

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061465.D
 Acq On : 1 Apr 2019 13:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:39:16 AM

Quant Time: Apr 02 01:24:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739509	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1286254	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1008806	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	467023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	333302	52.76	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	6.93	113	504045	51.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.41	98	1183815	50.21	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	13.55	95	479906	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	396103	50.155	ug/l	100
3) Chloromethane	1.76	50	311141	48.307	ug/l	97
4) Vinyl Chloride	1.86	62	312298	52.807	ug/l	99
5) Bromomethane	2.16	94	57787	49.276	ug/l	98
6) Chloroethane	2.28	64	109212	62.973	ug/l	96
7) Trichlorofluoromethane	2.54	101	490669	57.057	ug/l	100
8) Diethyl Ether	2.88	74	143866	51.959	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.17	101	449007	48.566	ug/l	99
10) Methyl Iodide	3.32	142	664169	47.445	ug/l	99
11) Tert butyl alcohol	4.07	59	97670	248.263	ug/l	96
12) 1,1-Dichloroethene	3.14	96	372719	46.956	ug/l	98
13) Acrolein	3.04	56	75503	252.079	ug/l	96
14) Allyl chloride	3.63	41	566576	51.176	ug/l	97
15) Acrylonitrile	4.19	53	338541	247.931	ug/l	96
16) Acetone	3.23	43	471954	290.624	ug/l	100
17) Carbon Disulfide	3.38	76	1180156	45.761	ug/l	99
18) Methyl Acetate	3.65	43	162557	47.609	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	700719	50.998	ug/l	98
20) Methylene Chloride	3.83	84	461471	50.755	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	421446	49.178	ug/l	98
22) Diisopropyl ether	5.13	45	1165317	49.740	ug/l	99
23) Vinyl Acetate	5.07	43	3106023	244.067	ug/l	99
24) 1,1-Dichloroethane	4.99	63	710770	51.623	ug/l	99
25) 2-Butanone	6.07	43	527933	258.440	ug/l	99
26) 2,2-Dichloropropane	6.03	77	574236	52.465	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	467643	49.806	ug/l	95
28) Bromochloromethane	6.45	49	283480	51.005	ug/l #	93
29) Tetrahydrofuran	6.46	42	269018	271.703	ug/l	99
30) Chloroform	6.67	83	749575	52.688	ug/l	98
31) Cyclohexane	6.96	56	509020	46.783	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	679518	54.140	ug/l	96
36) 1,1-Dichloropropene	7.16	75	567274	50.532	ug/l	99
37) Ethyl Acetate	6.19	43	242989	50.611	ug/l	99
38) Carbon Tetrachloride	7.12	117	640356m	49.640	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	618767	52.923	ug/l	96
40) Benzene	7.46	78	1432881	50.858	ug/l	98
41) Methacrylonitrile	6.45	41	302798	53.939	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	428630	50.860	ug/l	98
43) Isopropyl Acetate	9.24	43	371240	53.144	ug/l #	99
44) Trichloroethene	8.54	130	529946	50.543	ug/l	99
45) 1,2-Dichloropropane	8.95	63	379848	53.169	ug/l	97
46) Dibromomethane	9.07	93	251041	52.207	ug/l	95
47) Bromodichloromethane	9.38	83	573374	53.126	ug/l	98
48) Methyl methacrylate	9.12	41	207865	53.917	ug/l	98
49) 1,4-Dioxane	9.08	88	45197	1062.883	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	1112583	261.787	ug/l	98
52) Toluene	10.51	92	877910	51.075	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	543460	55.423	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	613562	51.387	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	293653	48.851	ug/l	99
56) Ethyl methacrylate	11.04	69	298361	46.203	ug/l	95
57) 1,3-Dichloropropane	11.41	76	431383	48.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	763567	242.800	ug/l	95
59) 2-Hexanone	11.54	43	819821	266.243	ug/l	97
60) Dibromochloromethane	11.68	129	459577	49.593	ug/l	99
61) 1,2-Dibromoethane	11.80	107	336452	48.336	ug/l	96
64) Tetrachloroethene	11.26	164	382185	48.272	ug/l	98
65) Chlorobenzene	12.40	112	1065840	51.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	424757	53.211	ug/l	98
67) Ethyl Benzene	12.52	91	1644701	52.265	ug/l	98
68) m/p-Xylenes	12.67	106	1225584	102.814	ug/l	97
69) o-Xylene	13.05	106	546847	47.273	ug/l	100
70) Styrene	13.07	104	995264	49.356	ug/l	96
71) Bromoform	13.24	173	284500	56.223	ug/l	99
73) Isopropylbenzene	13.41	105	1643201	50.553	ug/l	99
74) N-amyl acetate	13.27	43	454377	50.181	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	315915	46.073	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	313736	46.505	ug/l	99
77) Bromobenzene	13.67	156	428683	44.487	ug/l	88
78) n-propylbenzene	13.78	91	1894465	47.626	ug/l	98
79) 2-Chlorotoluene	13.84	91	1072960	49.678	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1343437	53.269	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	114847	55.834	ug/l	96
82) 4-Chlorotoluene	13.95	91	1173174	49.955	ug/l	94
83) tert-Butylbenzene	14.19	119	1570169	49.819	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1325356	48.542	ug/l	96
85) sec-Butylbenzene	14.37	105	1583096	47.281	ug/l	98
86) p-Isopropyltoluene	14.49	119	1438638	50.812	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	806880	49.448	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	799636	50.250	ug/l	98
89) n-Butylbenzene	14.80	91	1292736	49.746	ug/l	97
90) Hexachloroethane	15.01	117	411599	51.459	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	652895	48.779	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	40054	49.806	ug/l	60

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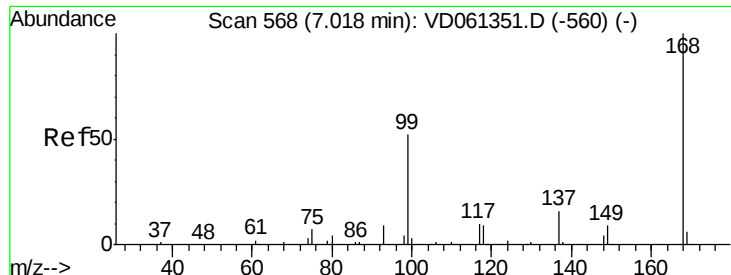
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285479	46.821	ug/l	96
94) Hexachlorobutadiene	16.03	225	224396	47.098	ug/l	96
95) Naphthalene	16.12	128	410770	44.199	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	117429	43.767	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



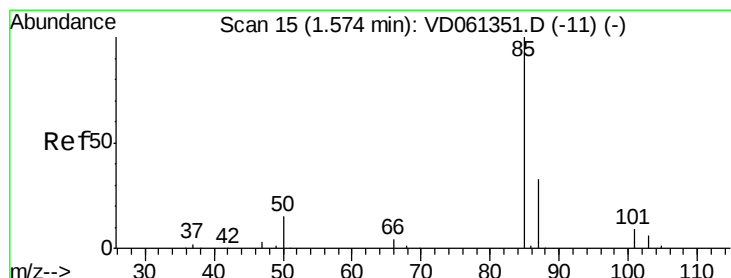
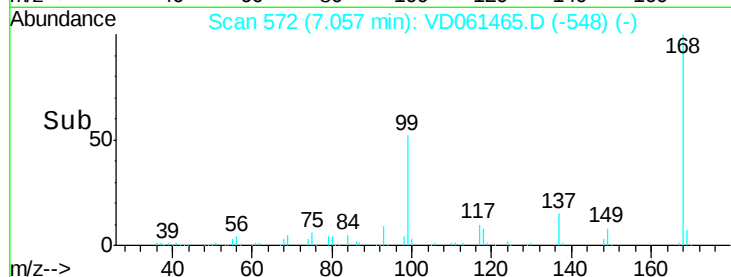
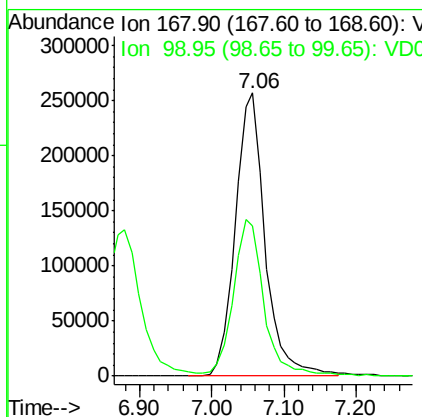
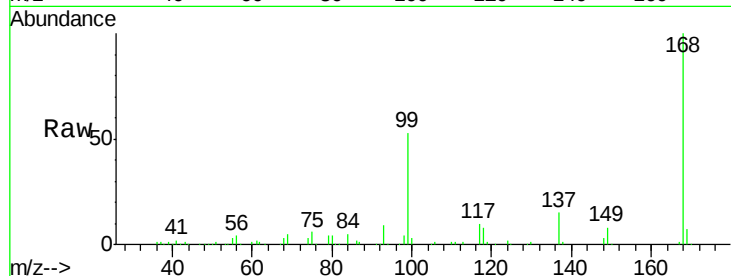
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.2	43.1	64.7

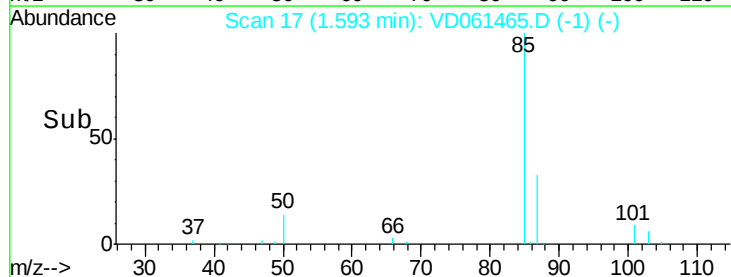
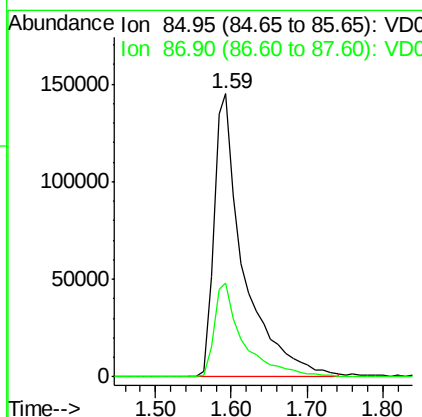
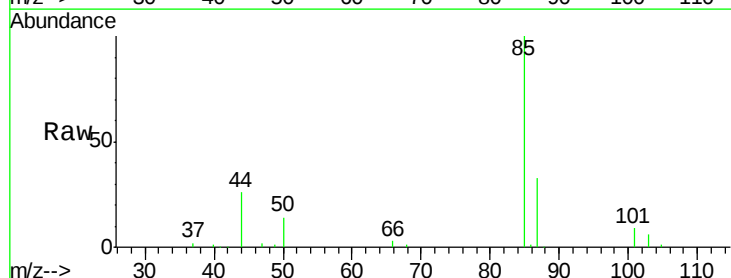
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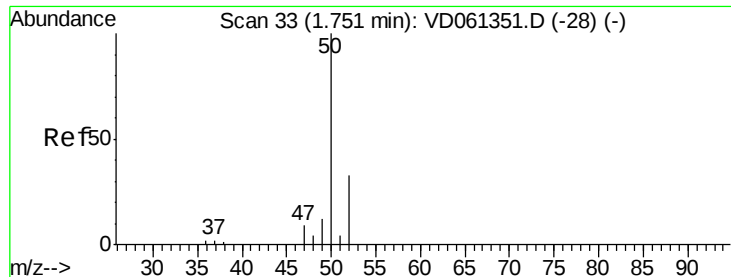
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#2
Dichlorodifluoromethane
Concen: 50.155 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.7





#3

Chloromethane

Concen: 48.307 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 311141

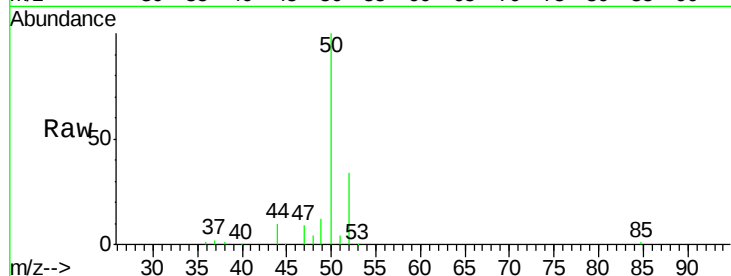
Ion Ratio Lower Upper

50 100

52 34.5 26.1 39.1

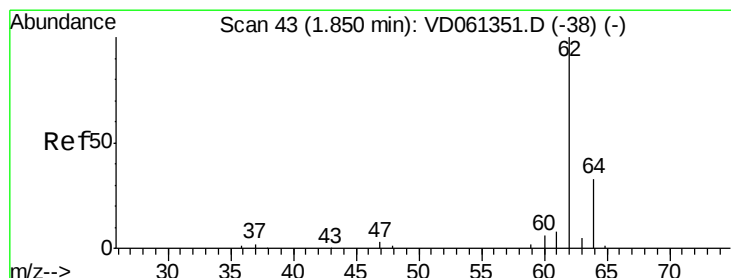
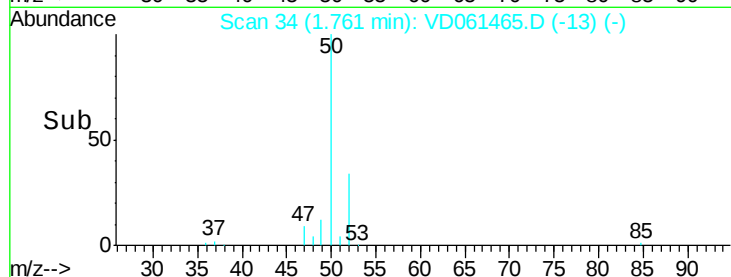
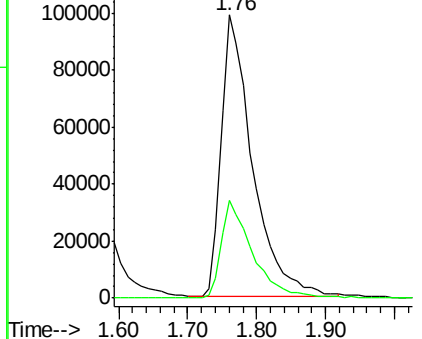
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.807 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061465.D

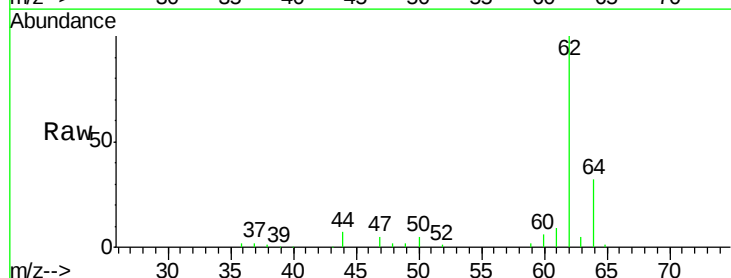
Acq: 1 Apr 2019 13:17

Tgt Ion: 62 Resp: 312298

Ion Ratio Lower Upper

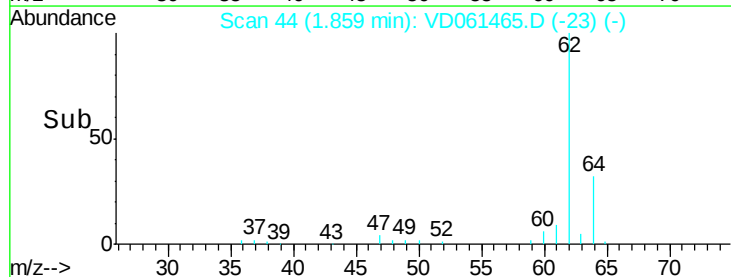
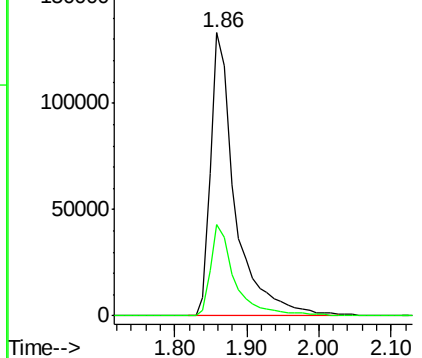
62 100

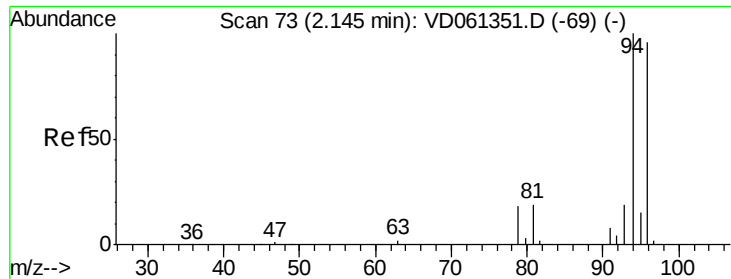
64 32.4 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.276 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

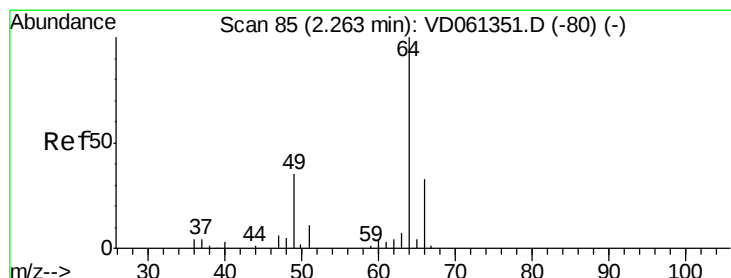
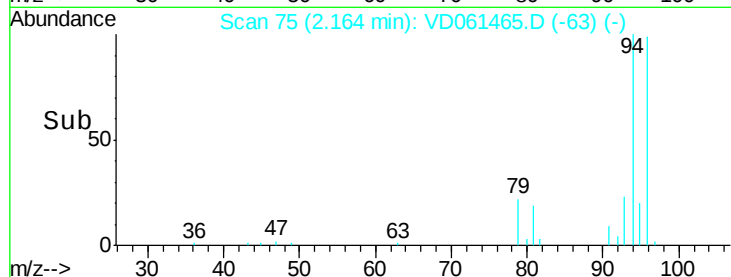
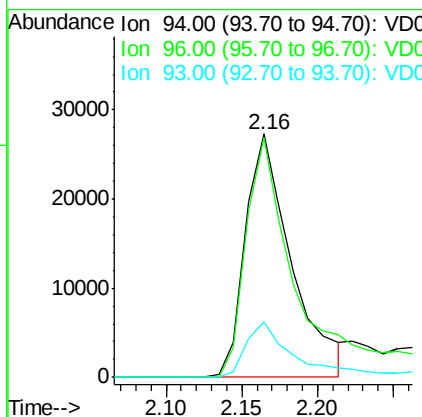
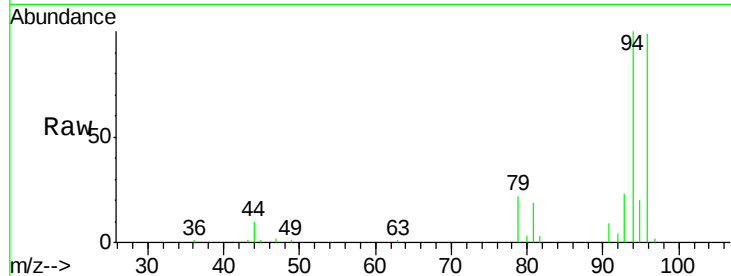
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	57787
Ion	Ratio	Lower	Upper
94	100		
96	98.5	78.3	117.5
93	22.6	15.6	23.4

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#6

Chloroethane

Concen: 62.973 ug/l

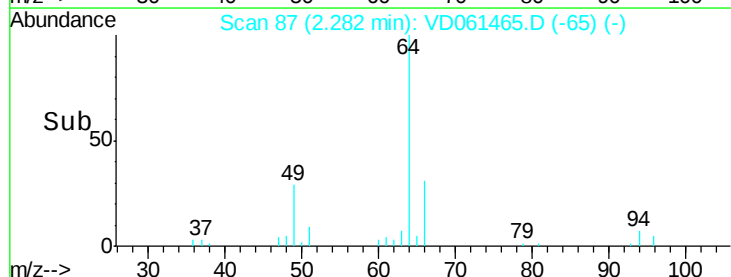
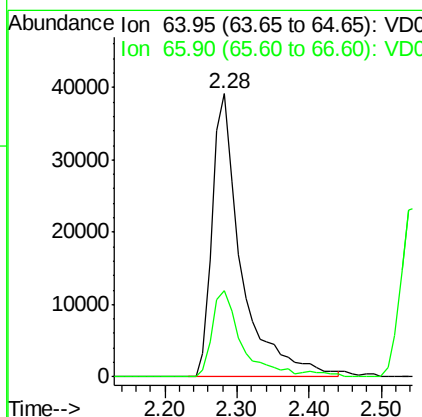
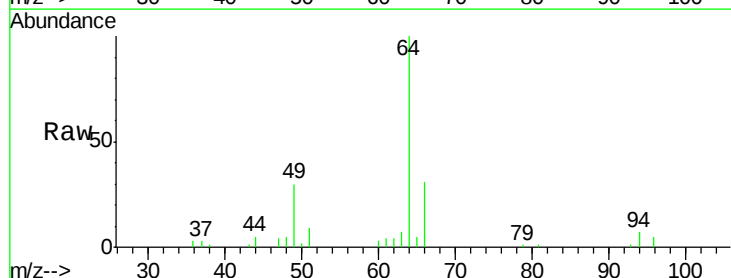
RT: 2.28 min Scan# 87

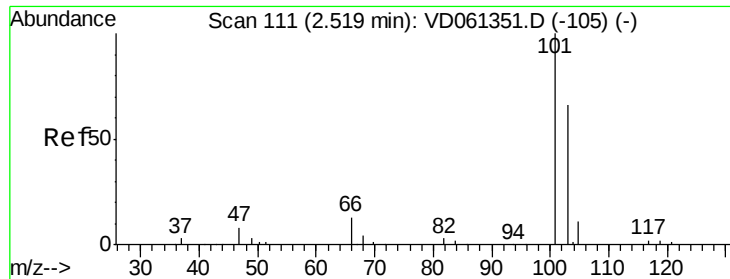
Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	64	Resp:	109212
Ion	Ratio	Lower	Upper
64	100		
66	30.7	26.2	39.2





#7

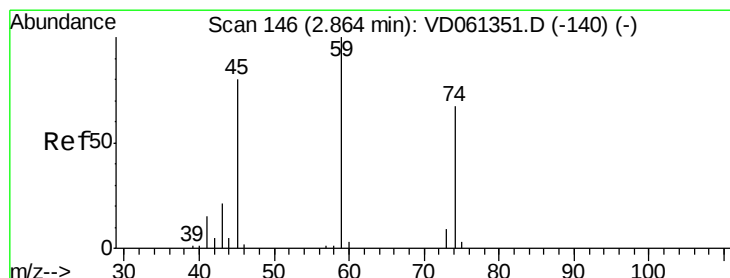
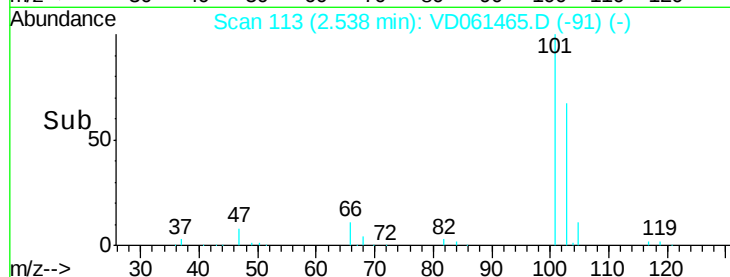
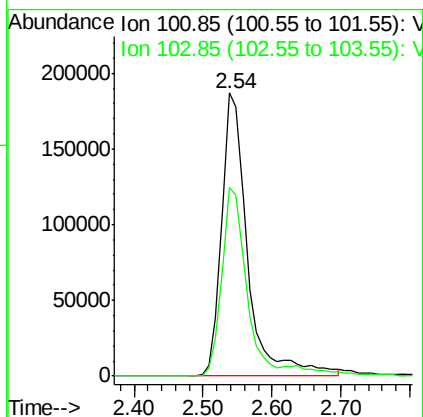
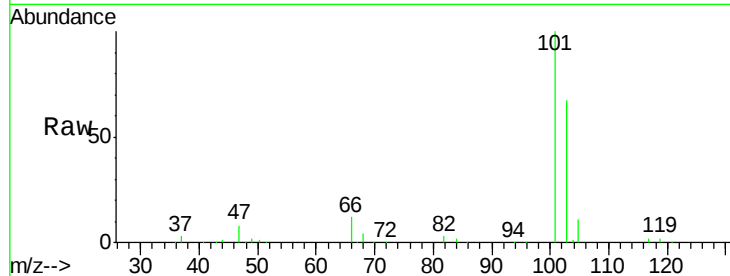
Trichlorofluoromethane
 Concen: 57.057 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

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Tot Ion:101 Resp: 490669
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.1 79.7

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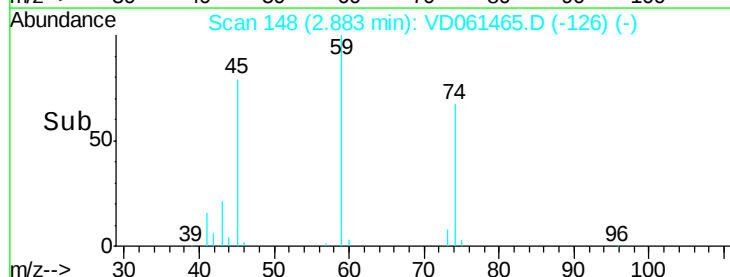
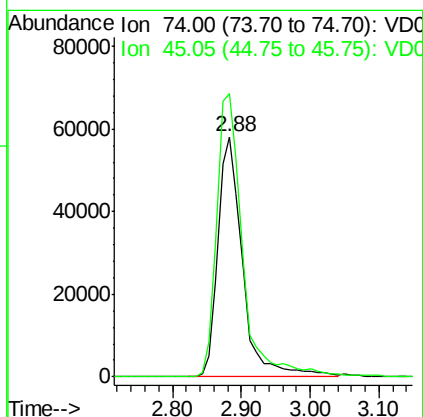
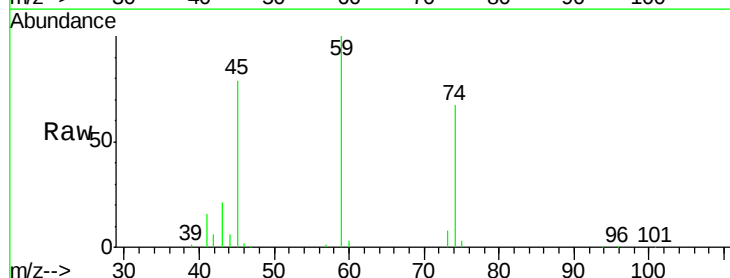
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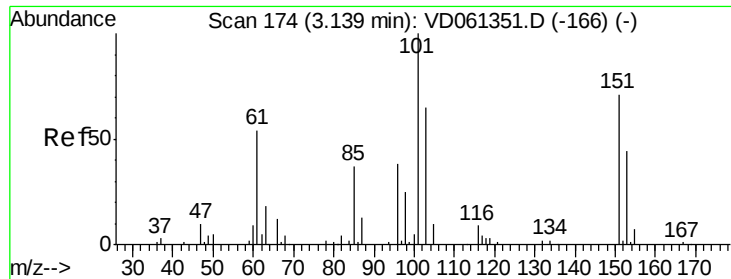


#8

Diethyl Ether
 Concen: 51.959 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 74 Resp: 143866
 Ion Ratio Lower Upper
 74 100
 45 117.9 59.7 179.1





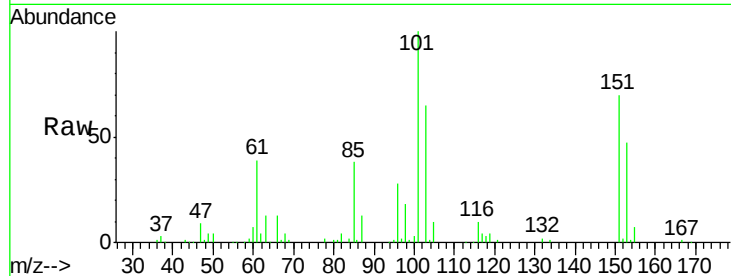
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.566 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.03 min
 Lab File: VD061465.D
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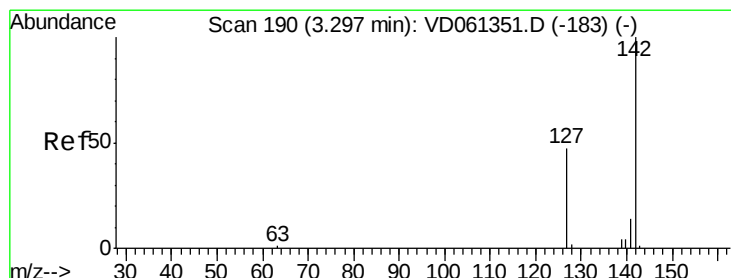
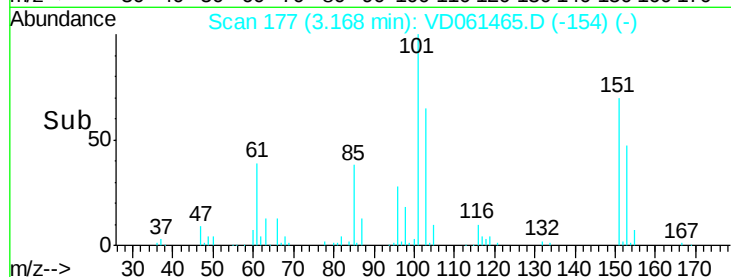
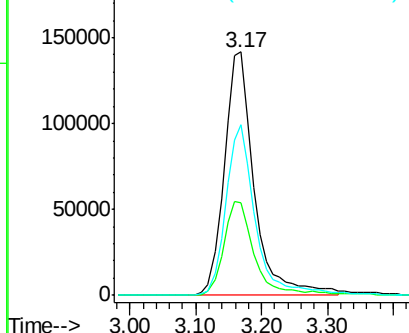
Tot Ion	Ratio	Resp	Lower	Upper
101	100	449007		
85	38.1	29.4	44.0	
151	70.3	57.0	85.4	

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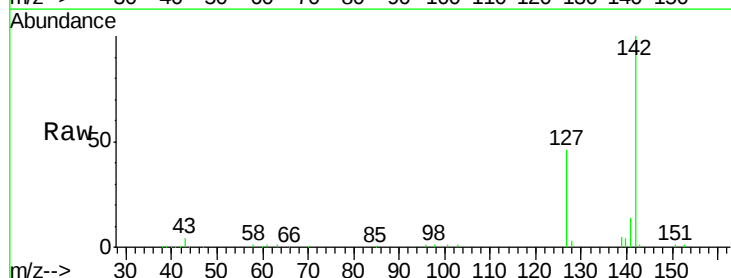


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

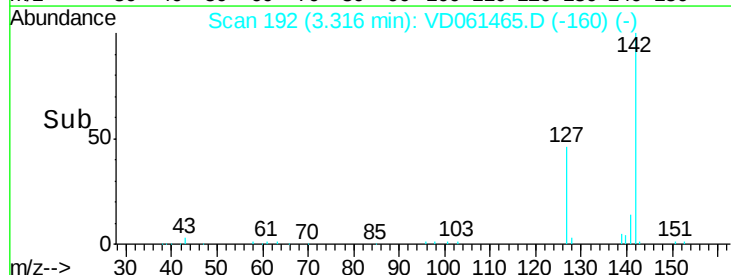
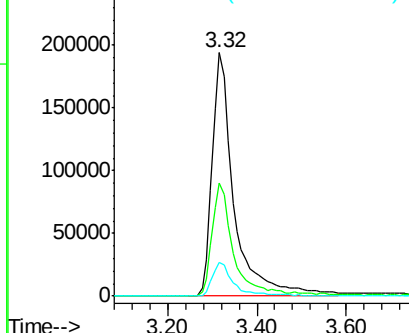


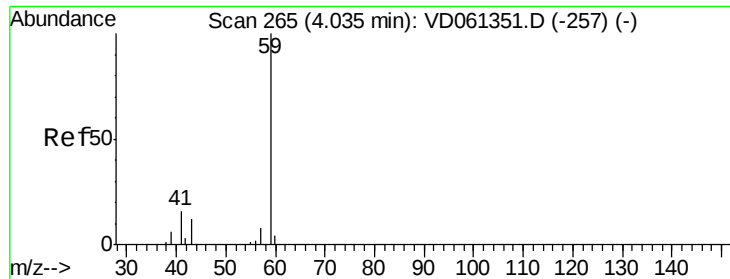
#10
 Methyl Iodide
 Concen: 47.445 ug/l
 RT: 3.32 min Scan# 192
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	664169		
127	46.2	37.7	56.5	
141	13.9	11.5	17.3	



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V





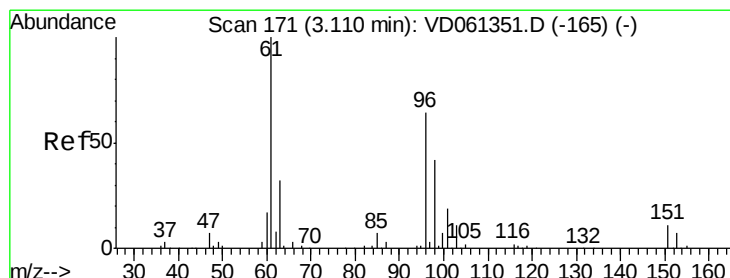
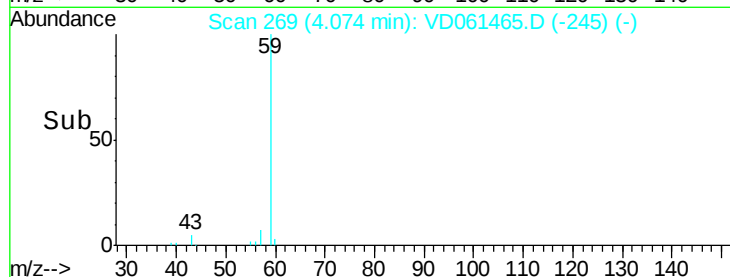
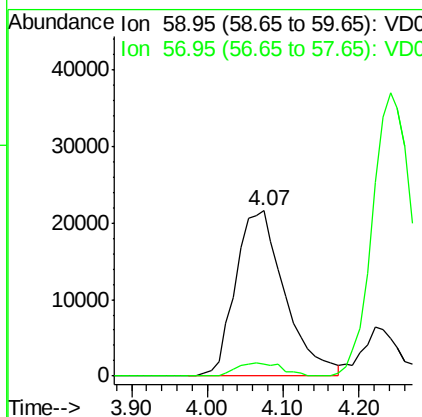
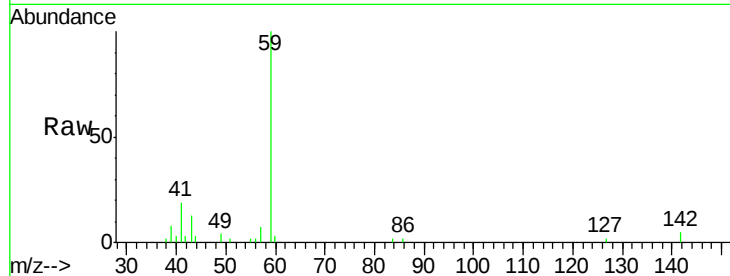
#11
Tert butyl alcohol
Concen: 248.263 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 97670
Ion Ratio Lower Upper
59 100
57 7.0 6.7 10.1

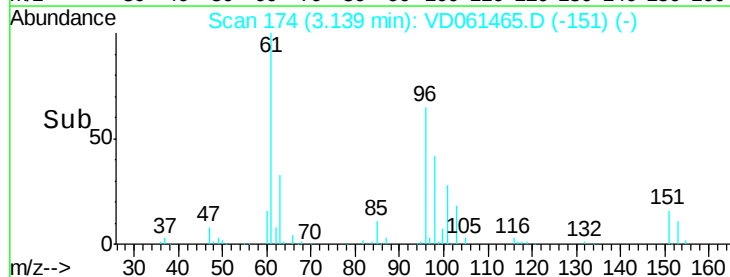
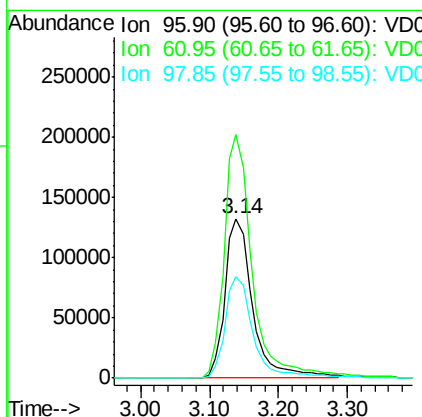
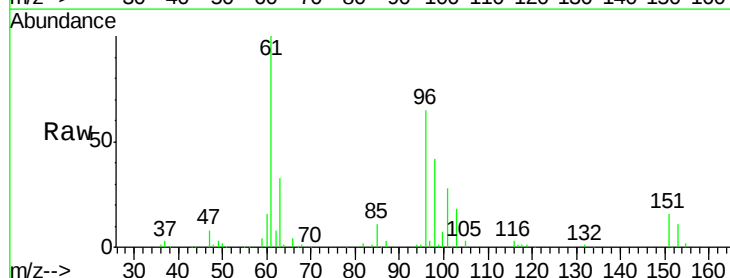
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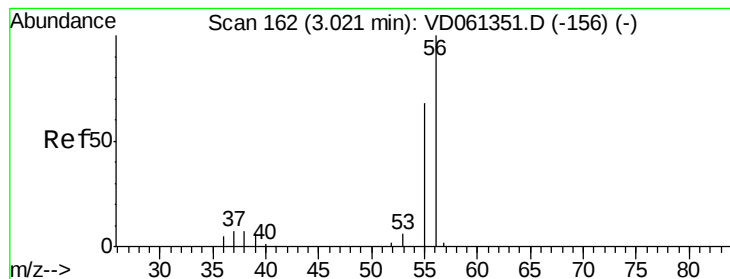
MMDadoda
4/2/2019 11:39:16 AM



#12
1,1-Dichloroethene
Concen: 46.956 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 96 Resp: 372719
Ion Ratio Lower Upper
96 100
61 153.0 124.9 187.3
98 63.6 52.5 78.7





#13

Acrolein

Concen: 252.079 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75503

Ion Ratio Lower Upper

56 100

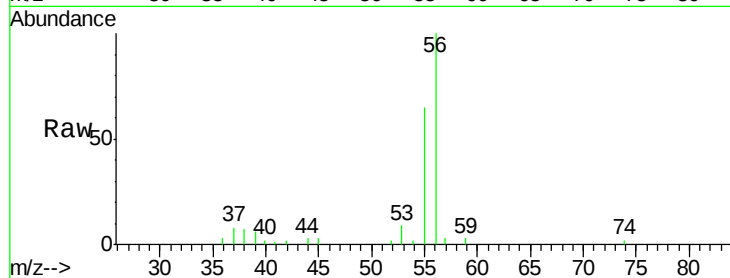
55 64.9 54.6 82.0

Manual Integrations

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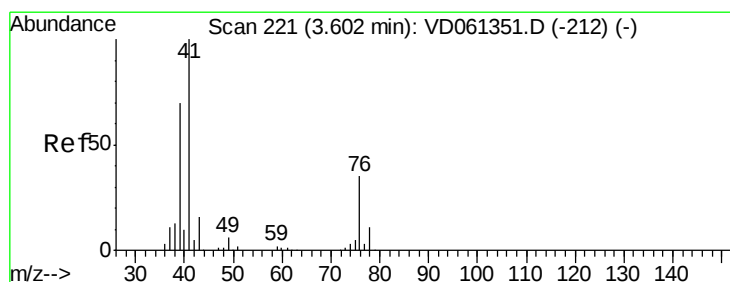
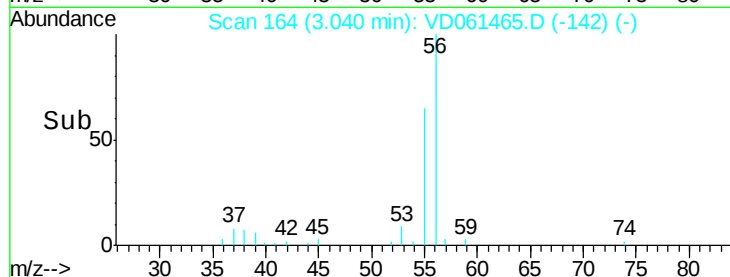
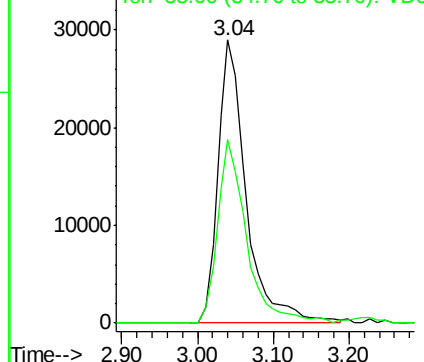
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.176 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

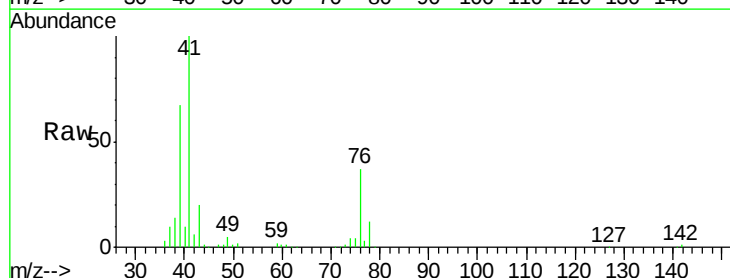
Tgt Ion: 41 Resp: 566576

Ion Ratio Lower Upper

41 100

39 67.2 55.6 83.4

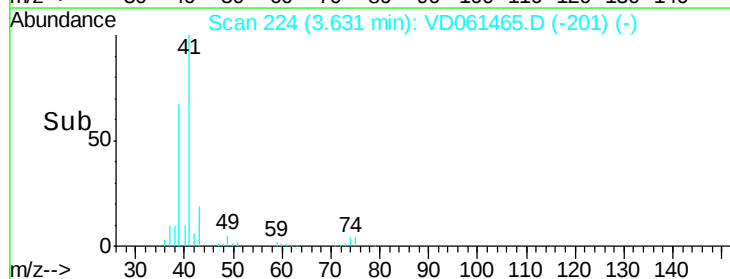
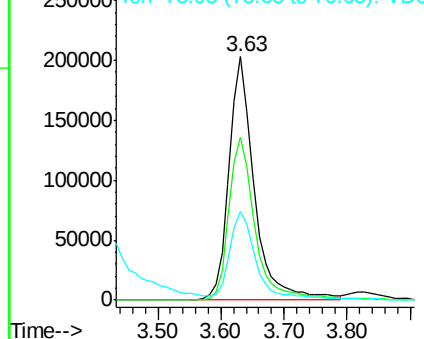
76 36.6 31.0 46.6

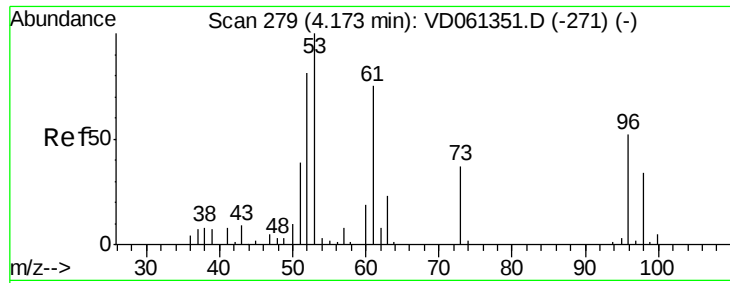


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





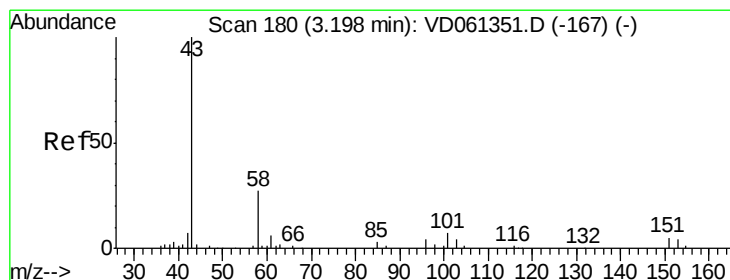
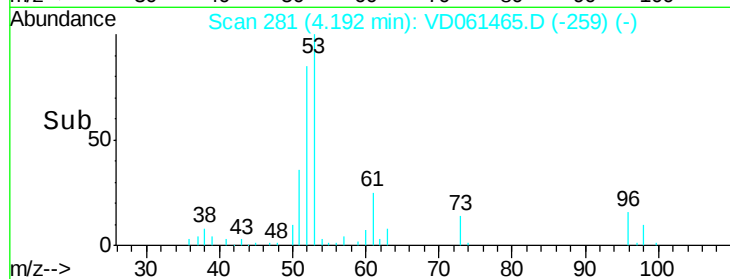
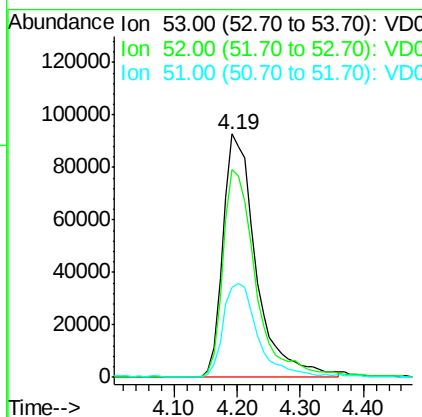
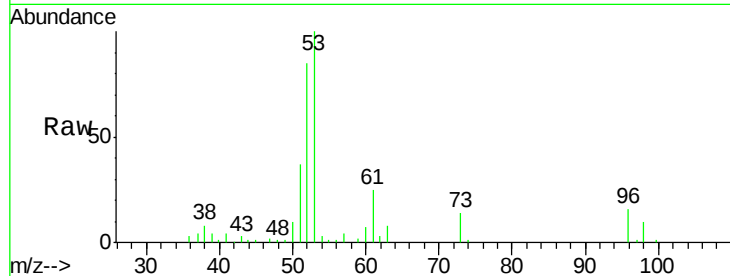
#15
Acrylonitrile
Concen: 247.931 ug/l
RT: 4.19 min Scan# 281
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.3	64.8	97.2
51	37.1	31.4	47.2

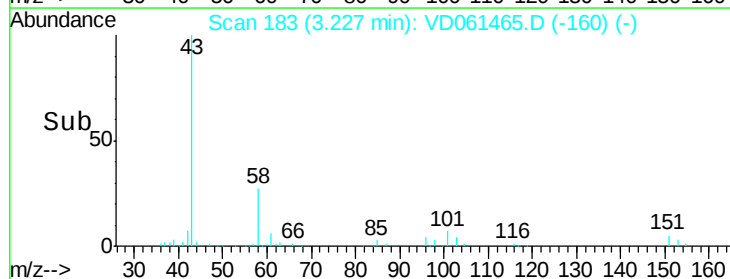
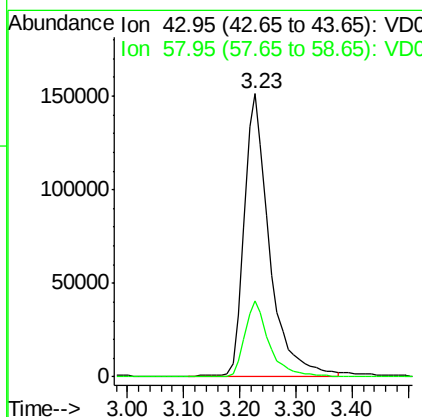
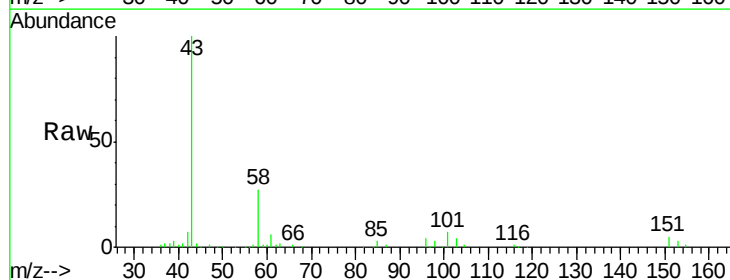
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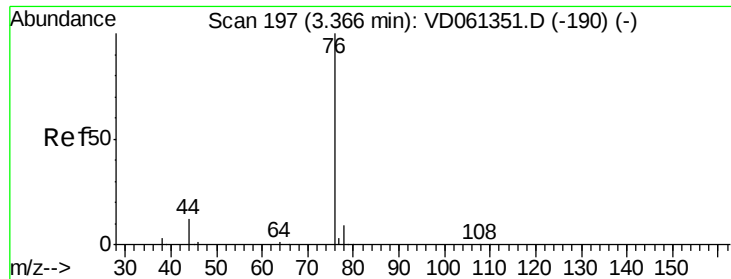
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#16
Acetone
Concen: 290.624 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.5	32.3





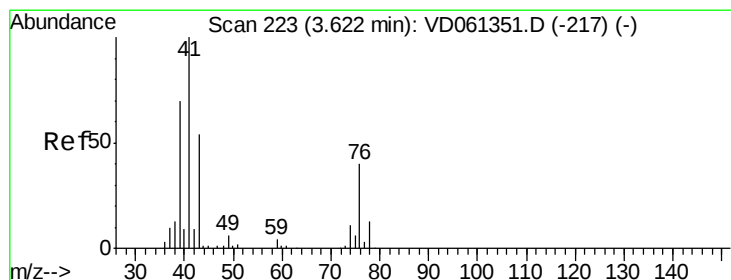
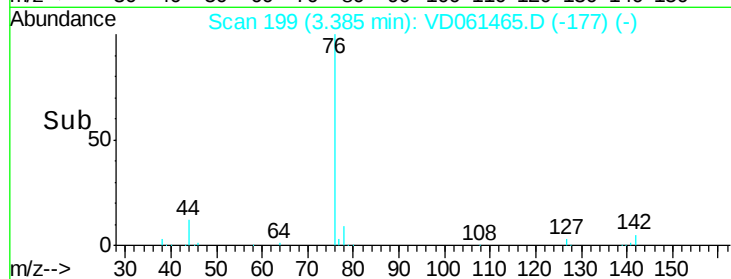
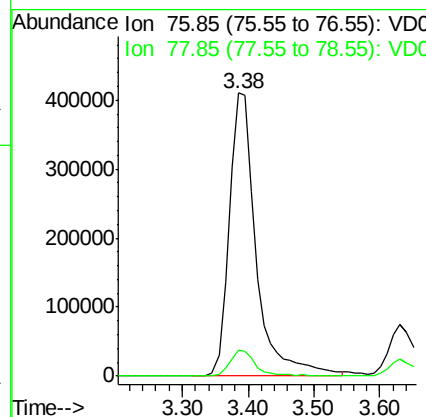
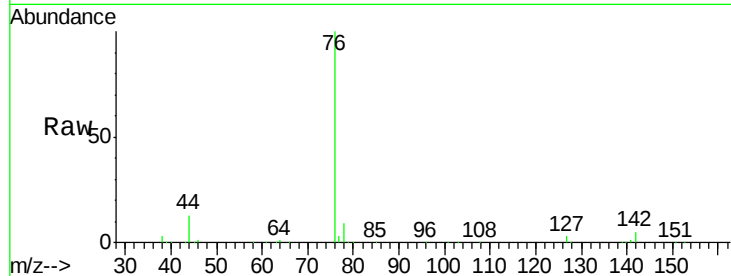
#17
Carbon Disulfide
Concen: 45.761 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1180156
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

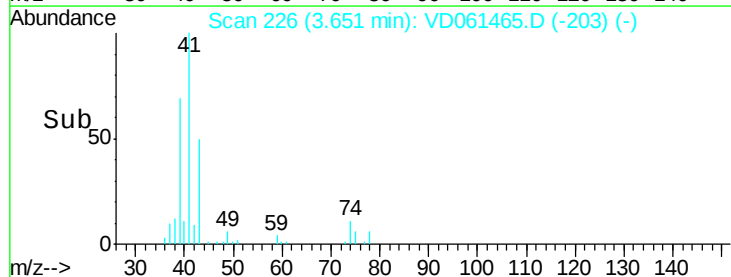
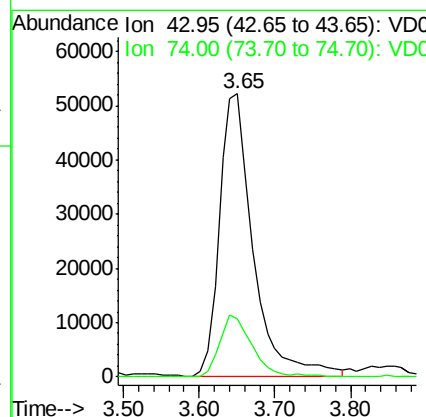
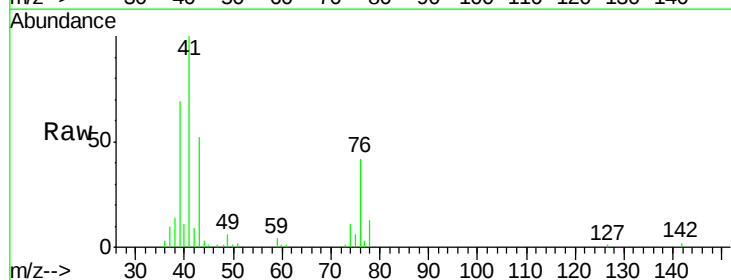
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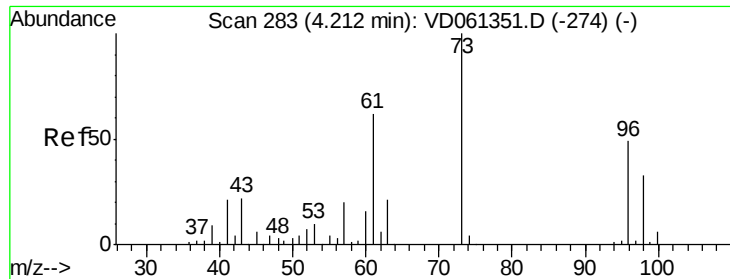
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#18
Methyl Acetate
Concen: 47.609 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 43 Resp: 162557
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1





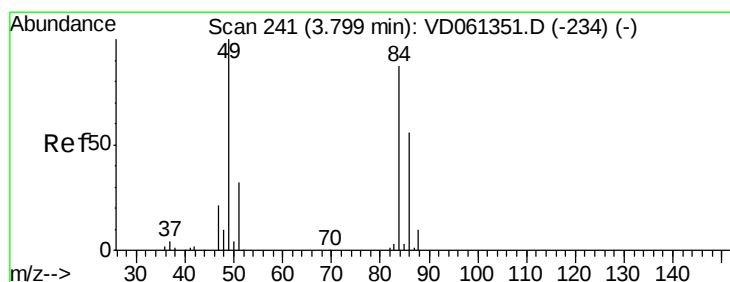
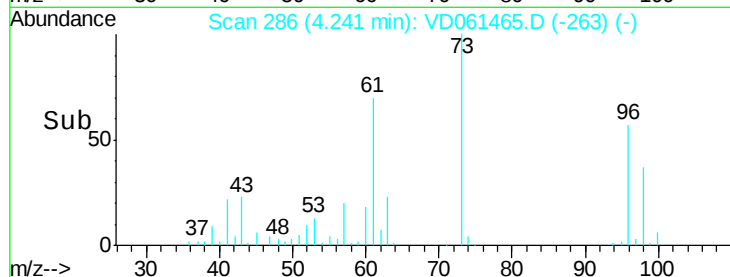
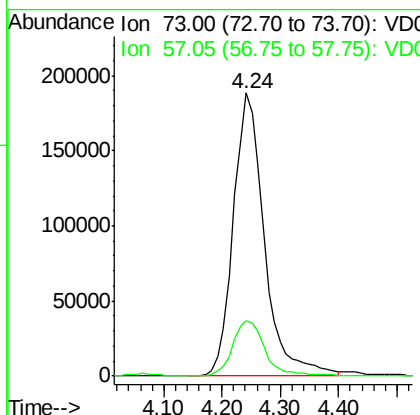
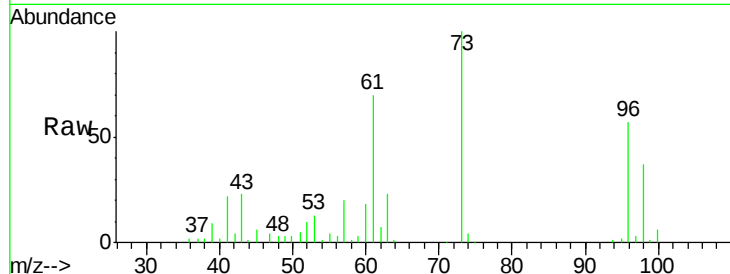
#19
Methvl tert-butvl Ether
Concen: 50.998 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 700719
Ion Ratio Lower Upper
73 100
57 19.6 16.4 24.6

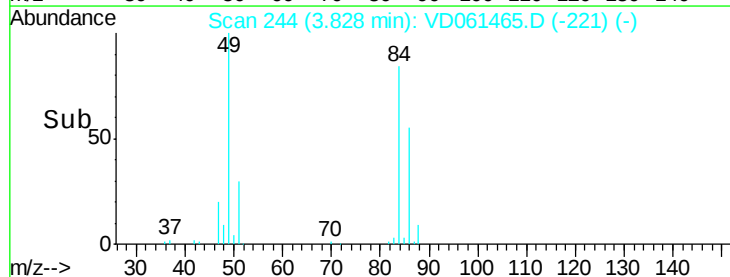
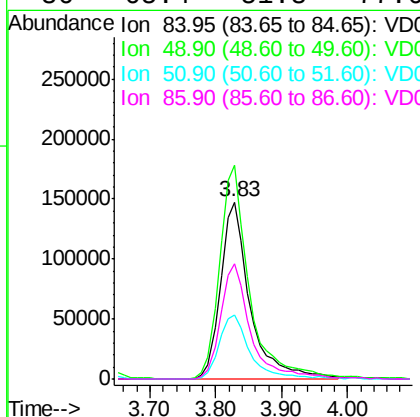
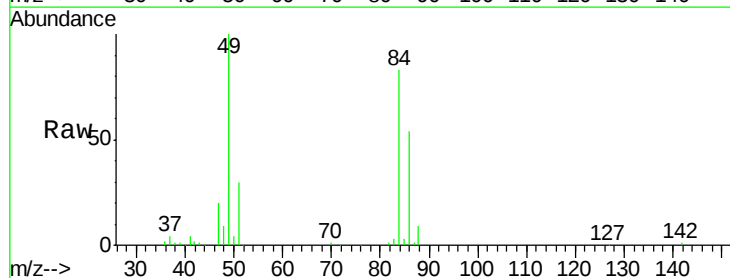
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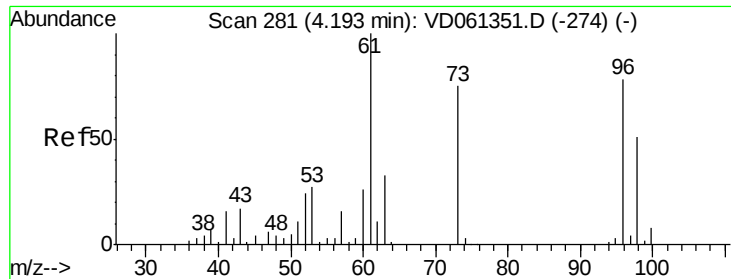
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#20
Methylene Chloride
Concen: 50.755 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 84 Resp: 461471
Ion Ratio Lower Upper
84 100
49 120.7 91.8 137.8
51 36.1 29.8 44.8
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.178 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

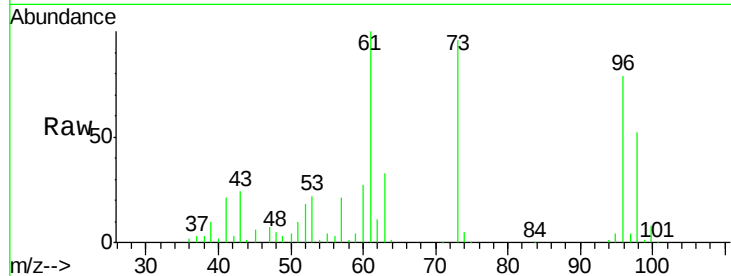
ClientSampleId :

VSTDCCC050

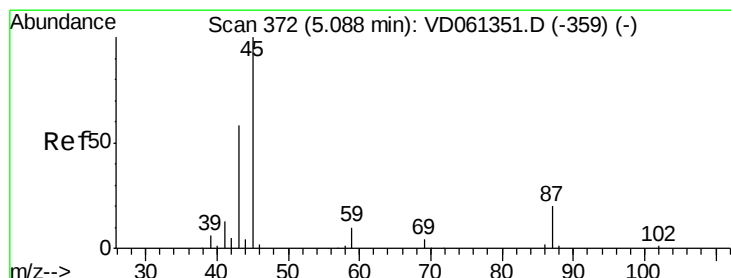
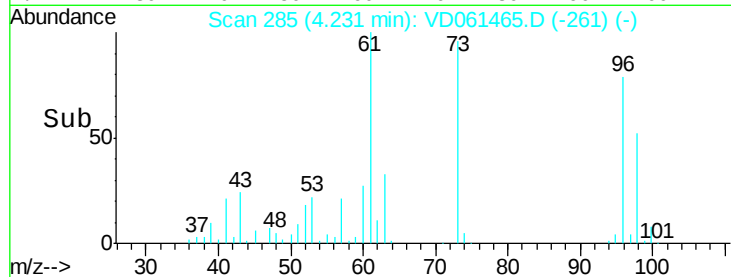
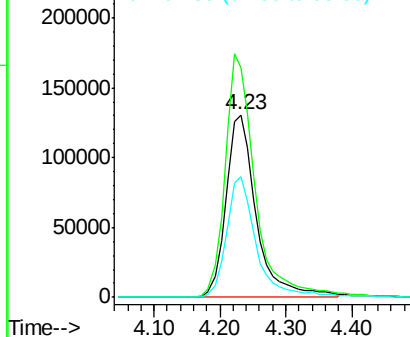
Tot Ion:	96	Resp:	421446
Ion	Ratio	Lower	Upper
96	100		
61	125.8	102.7	154.1
98	66.0	52.2	78.4

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.740 ug/l

RT: 5.13 min Scan# 376

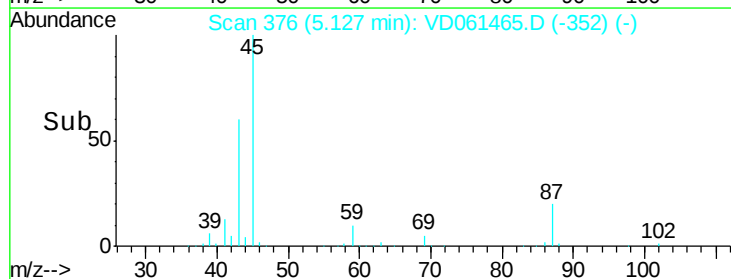
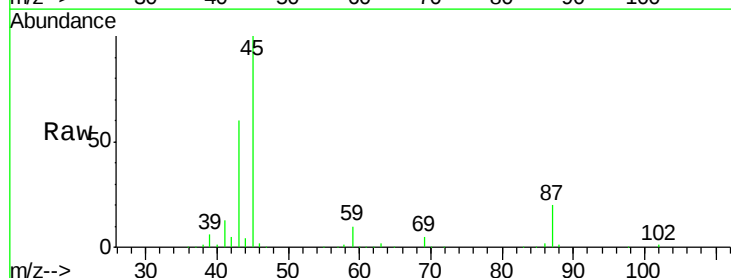
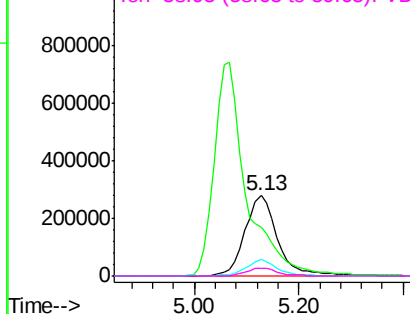
Delta R.T. 0.04 min

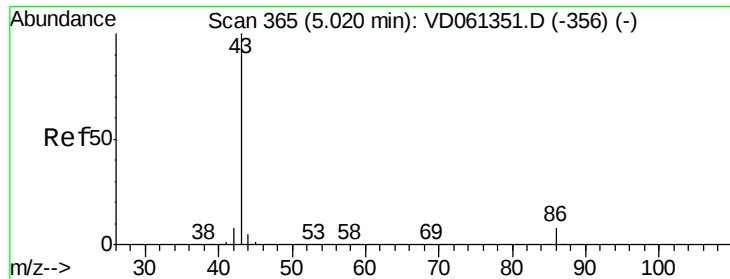
Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	45	Resp:	1165317
Ion	Ratio	Lower	Upper
45	100		
43	60.1	47.4	71.2
87	20.0	16.3	24.5
59	10.1	8.4	12.6

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 244.067 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.05 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3106023

Ion Ratio Lower Upper

43 100

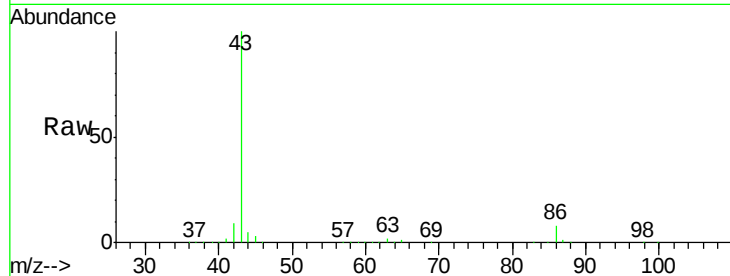
86 8.0 6.7 10.1

Manual Integrations

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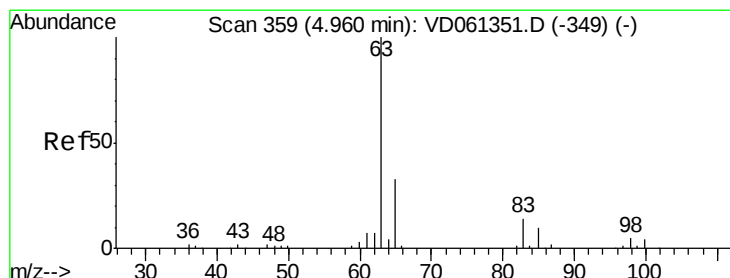
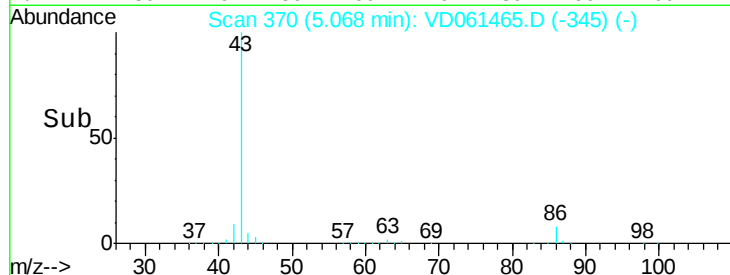
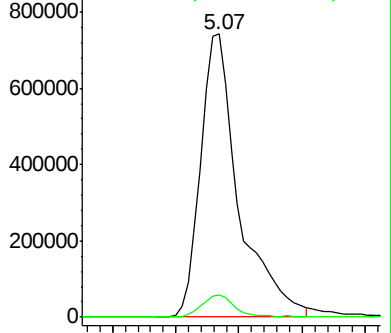
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.623 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

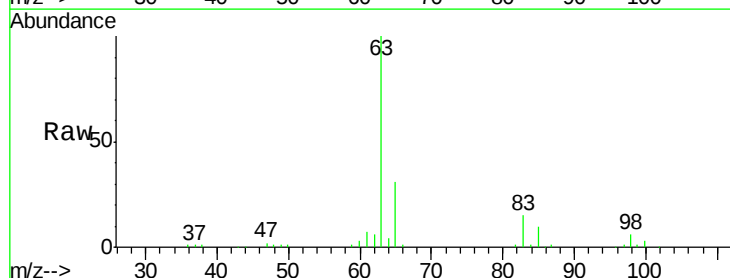
Tgt Ion: 63 Resp: 710770

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

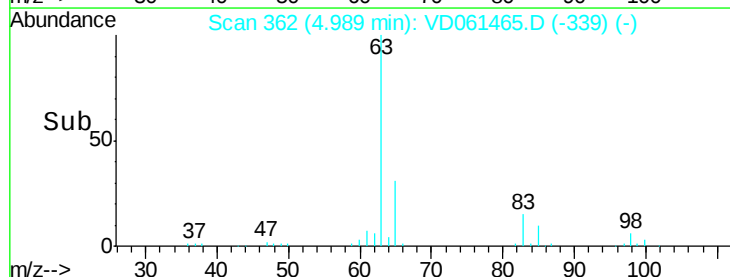
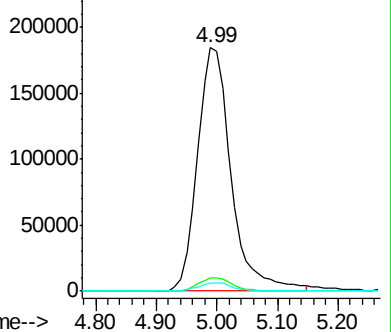
100 3.3 1.8 5.3

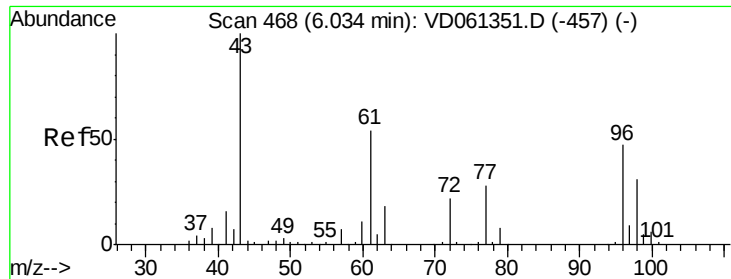


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 258.440 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tot Ion: 43 Resp: 527933

Ion Ratio Lower Upper

43 100

72 21.2 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

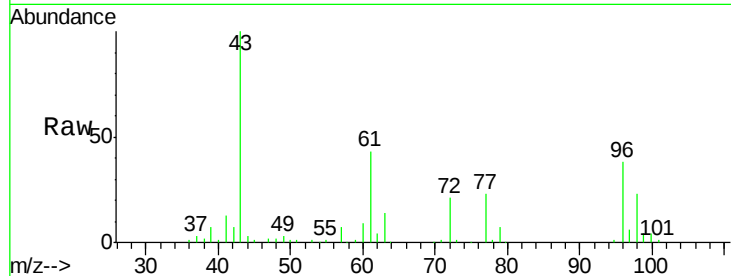
VSTDCCC050

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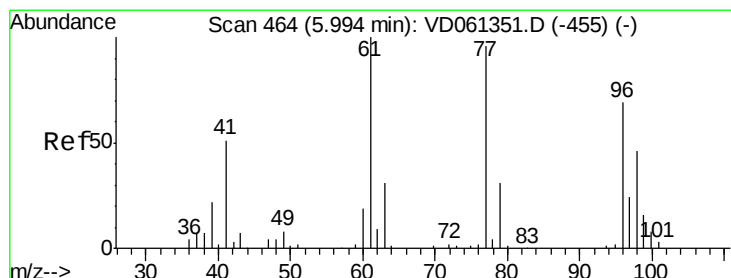
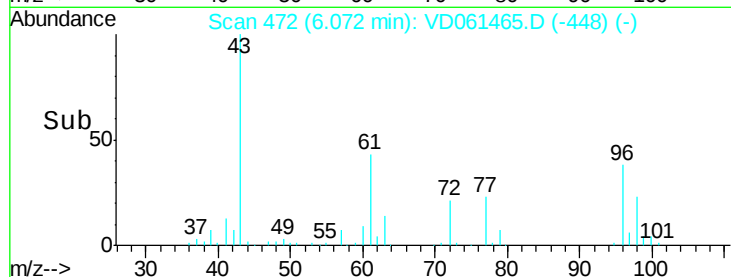
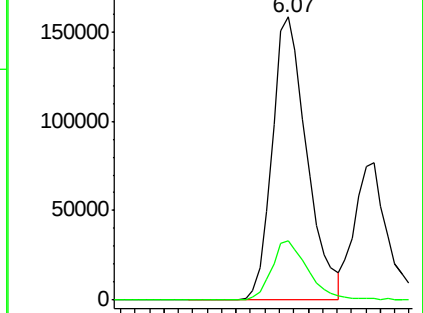
MMDadoda

4/2/2019 11:39:16 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.465 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061465.D

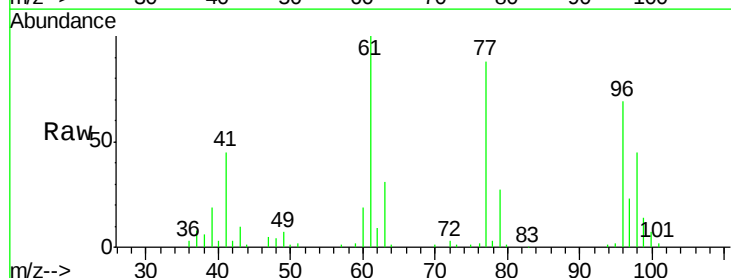
Acq: 1 Apr 2019 13:17

Tgt Ion: 77 Resp: 574236

Ion Ratio Lower Upper

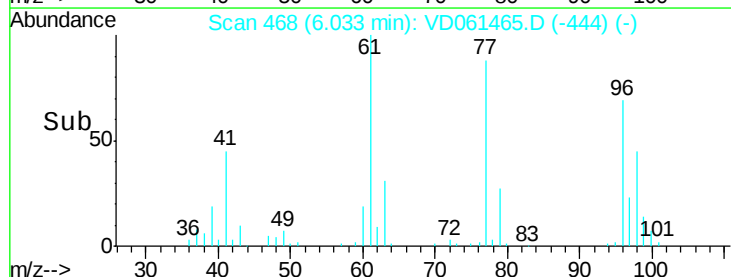
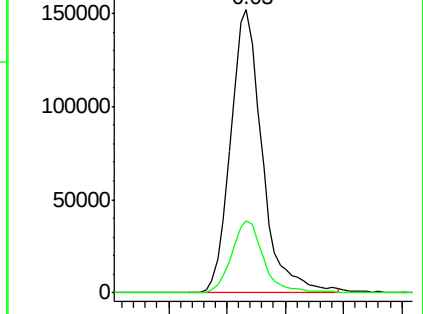
77 100

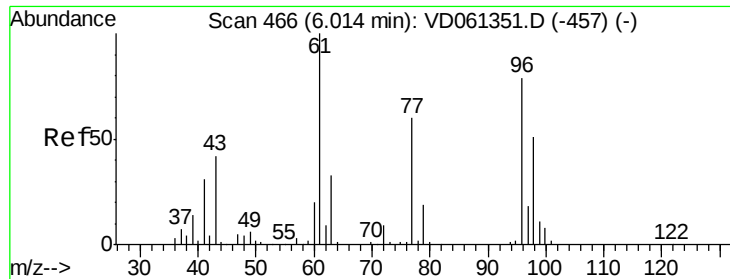
97 25.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





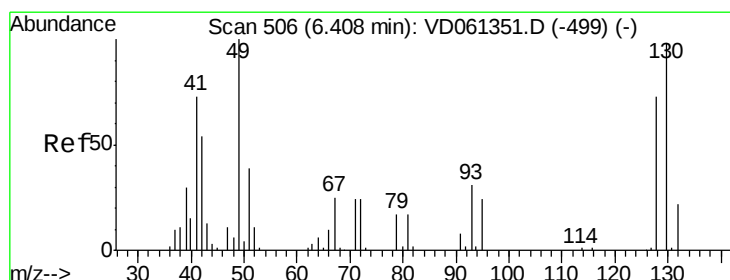
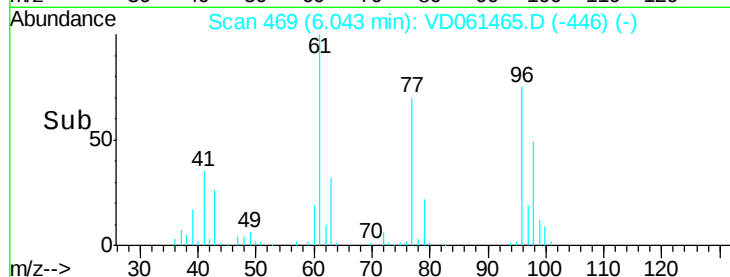
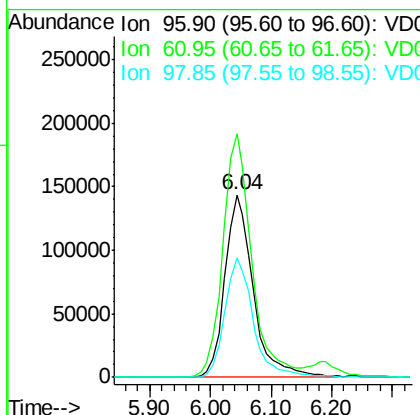
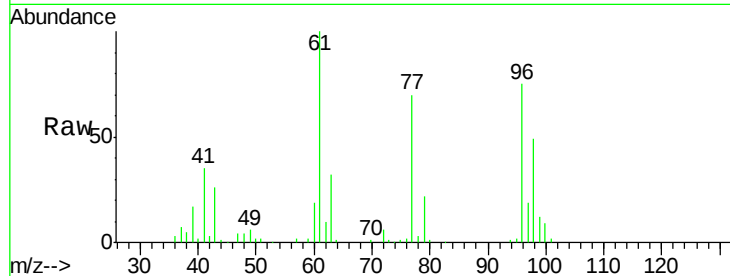
#27
 cis-1,2-Dichloroethene
 Concen: 49.806 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	251.6
98	65.6	0.0	129.2

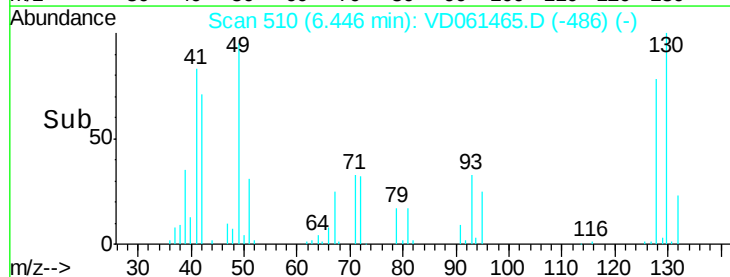
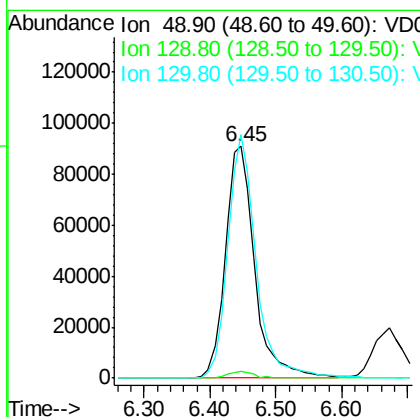
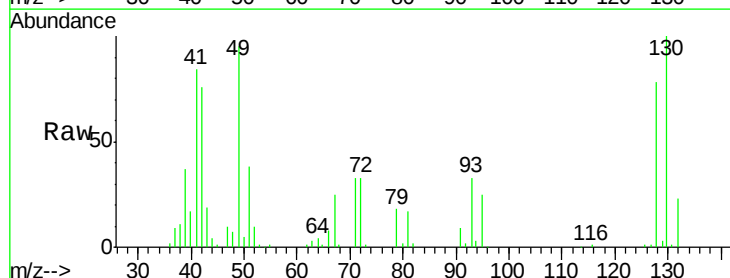
Manual Integrations
 APPROVED

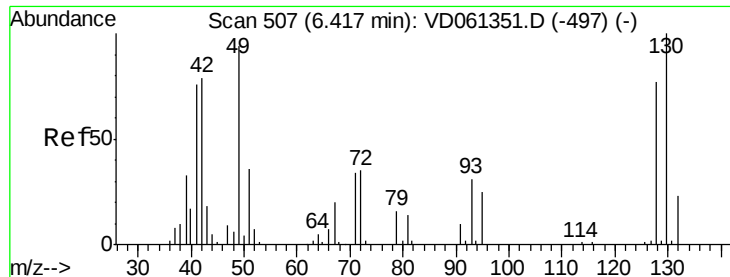
MMDadoda
 4/2/2019 11:39:16 AM



#28
 Bromochloromethane
 Concen: 51.005 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.04 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	0.0#
130	105.0	78.4	117.6





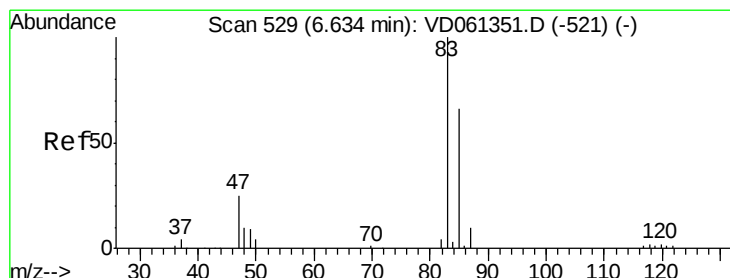
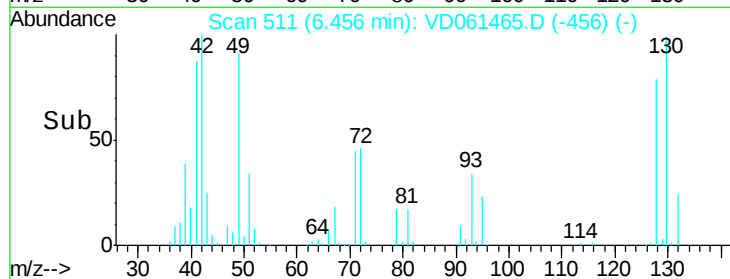
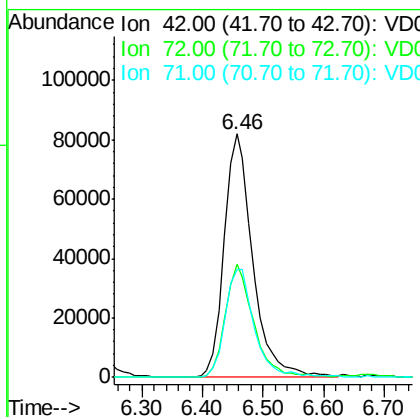
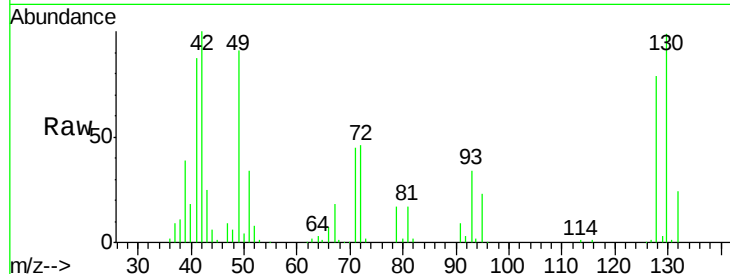
#29
Tetrahydrofuran
Concen: 271.703 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	269018		
72	45.8		37.4	56.0
71	45.5		36.7	55.1

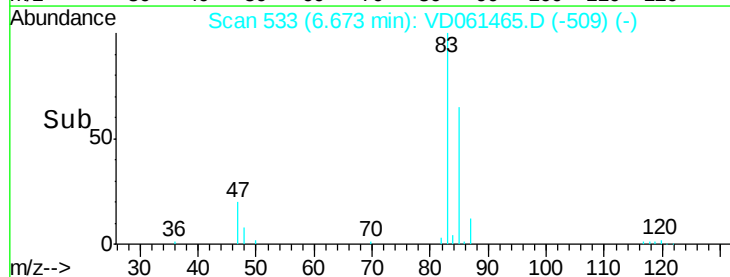
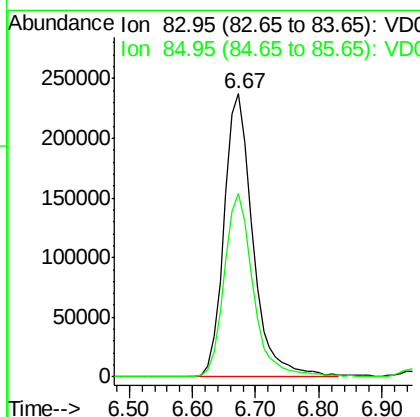
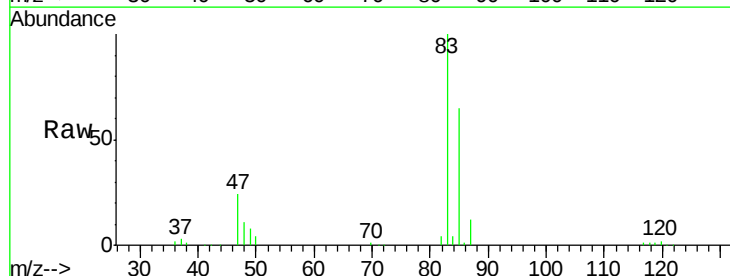
Manual Integrations
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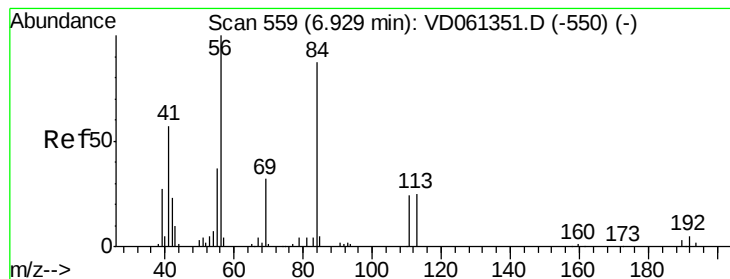
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#30
Chloroform
Concen: 52.688 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	749575		
85	64.9		53.0	79.4





#31

Cyclohexane

Concen: 46.783 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

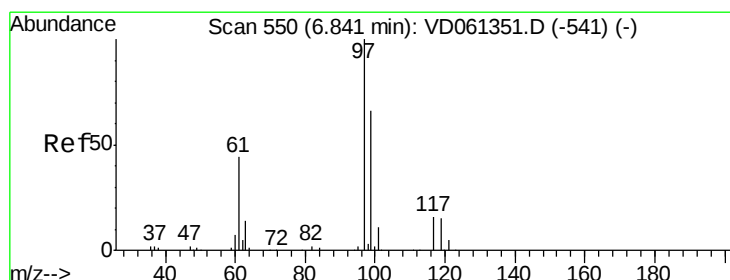
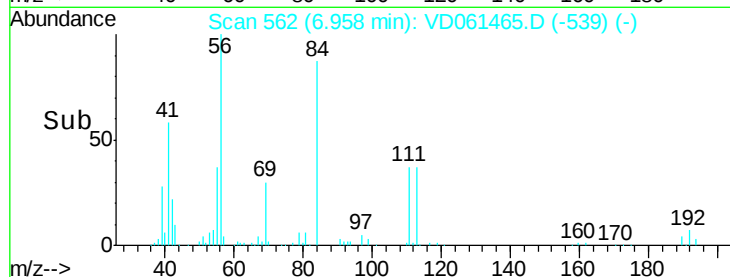
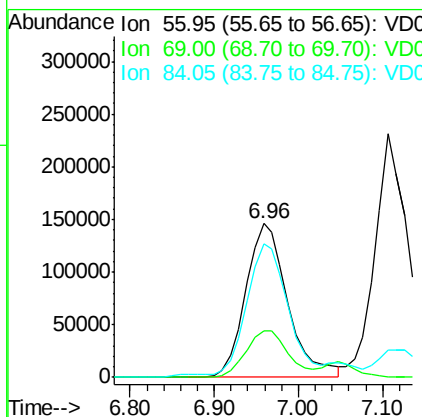
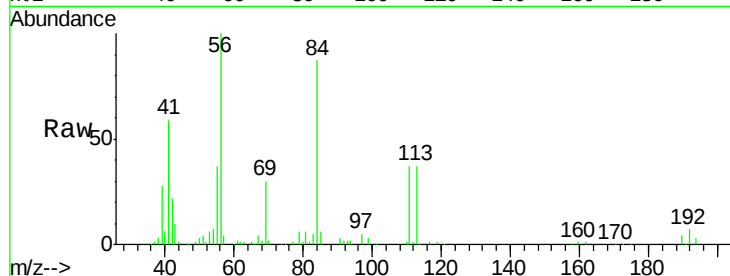
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	509020
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.7	38.5
84	87.2	70.6	105.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.140 ug/l

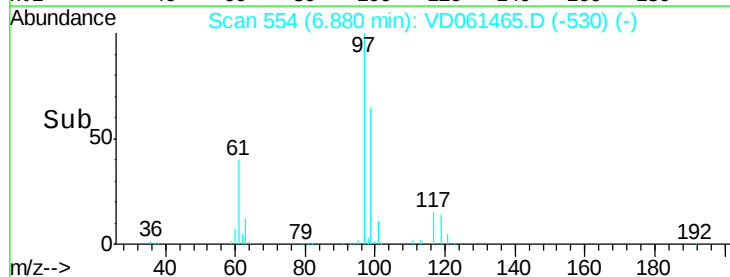
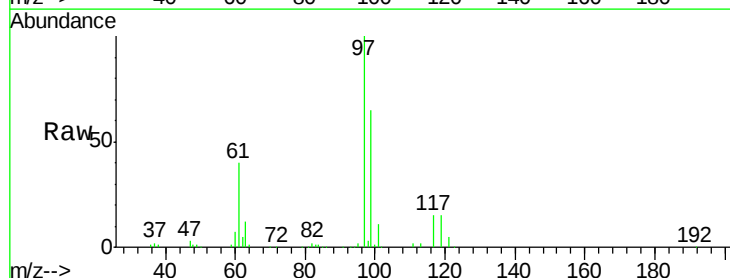
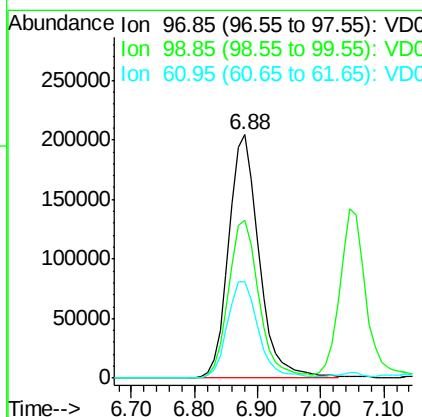
RT: 6.88 min Scan# 554

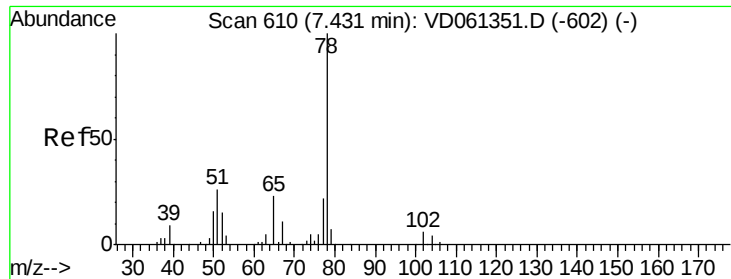
Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	97	Resp:	679518
Ion	Ratio	Lower	Upper
97	100		
99	64.7	53.1	79.7
61	39.9	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 54.140 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tot Ion: 65 Resp: 333302

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.8

Instrument :

MSVOA_D

ClientSampleId :

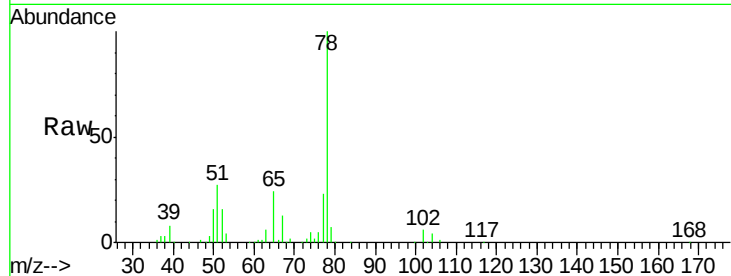
VSTDCCC050

Manual Integrations

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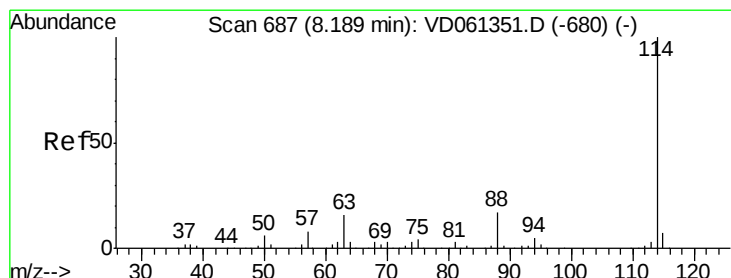
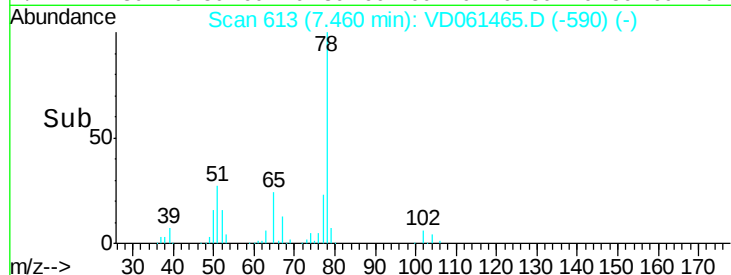
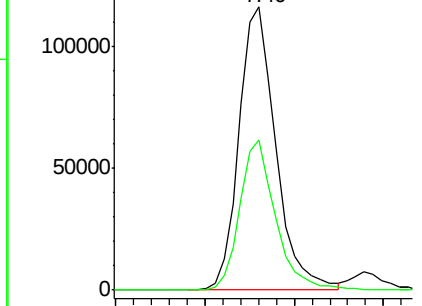
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

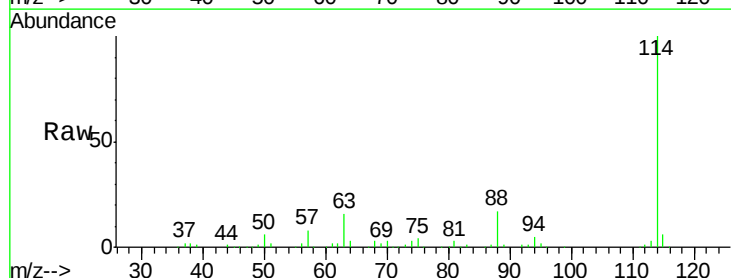
Tgt Ion: 114 Resp: 1286254

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

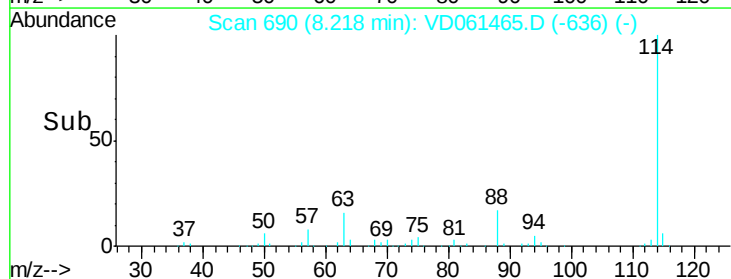
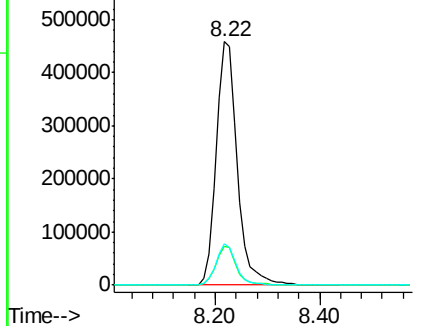
88 17.2 0.0 33.4

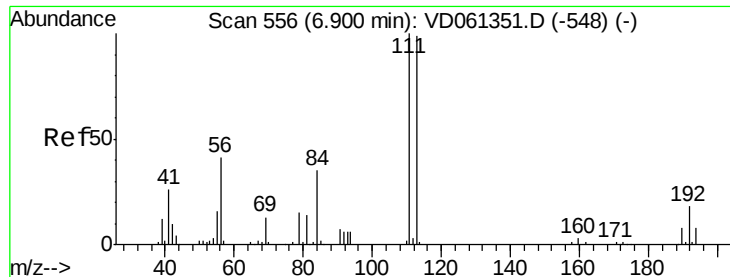


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

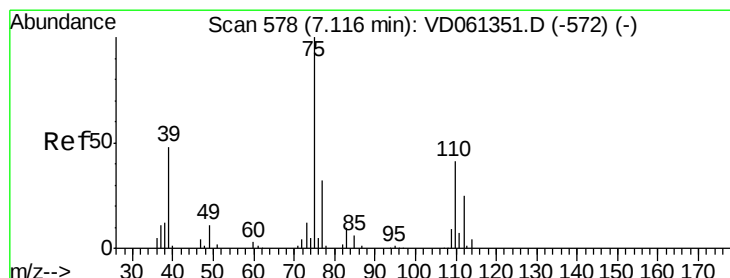
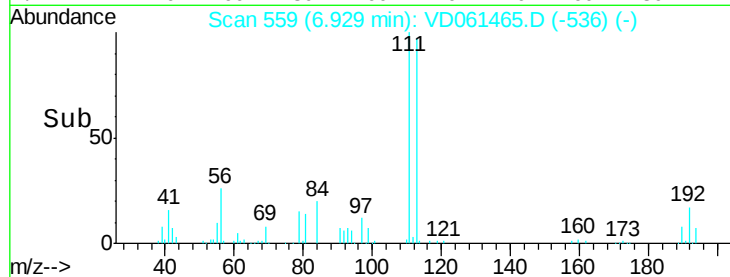
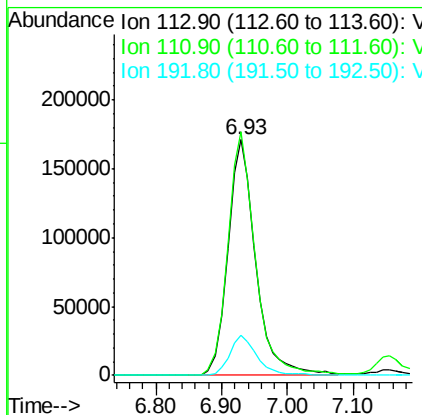
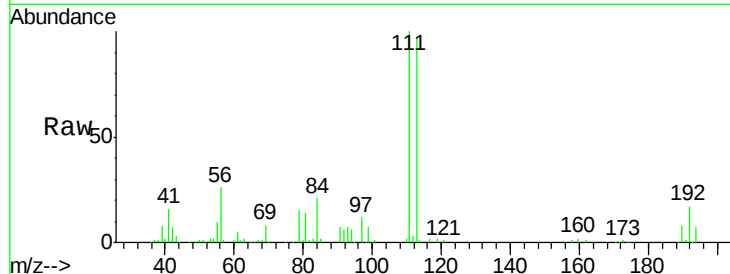
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	504045
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.0	121.6
192	17.1	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 50.532 ug/l

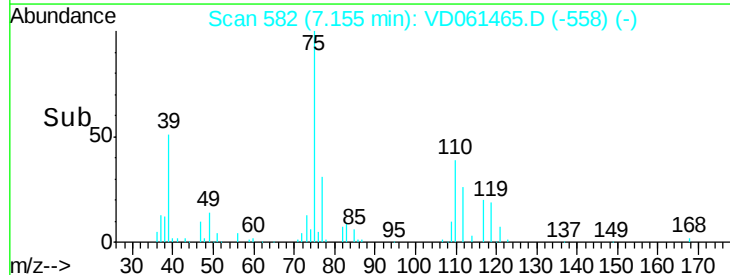
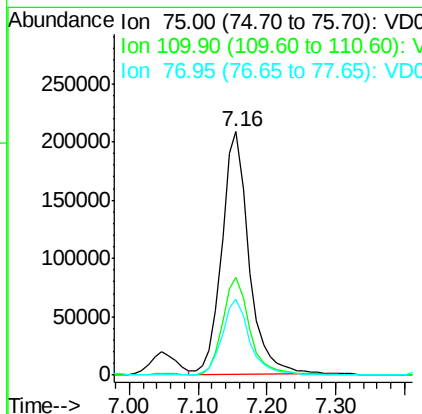
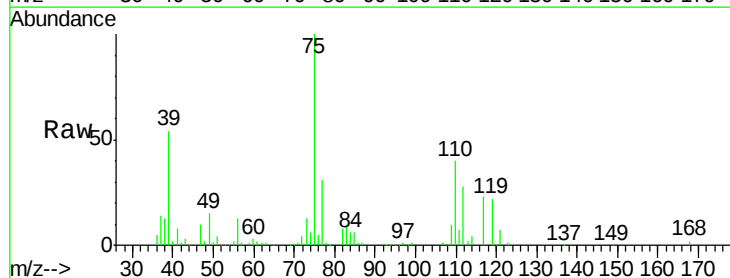
RT: 7.16 min Scan# 582

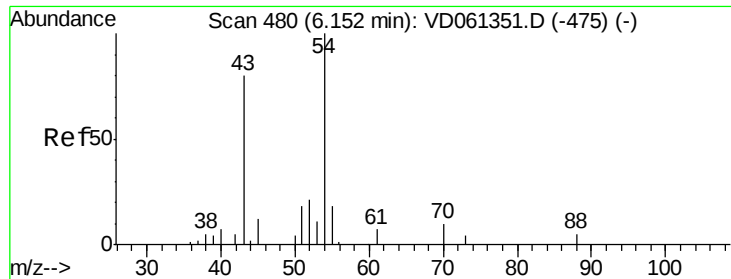
Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	75	Resp:	567274
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.4	61.3
77	31.2	24.9	37.3





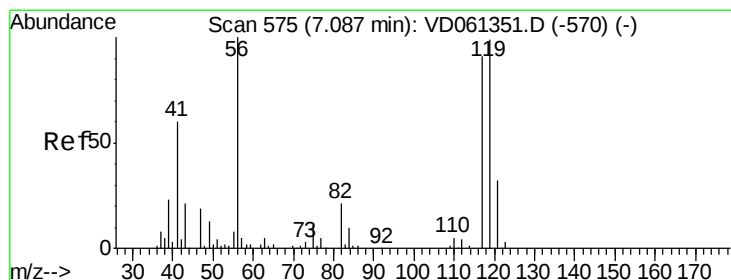
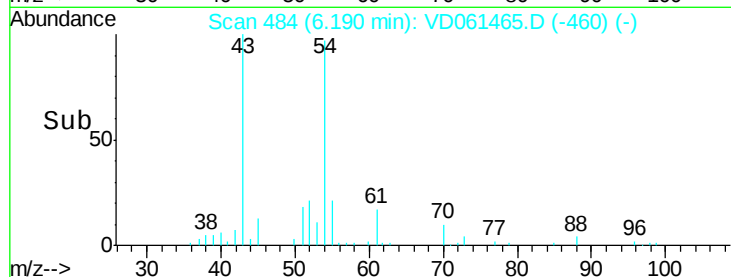
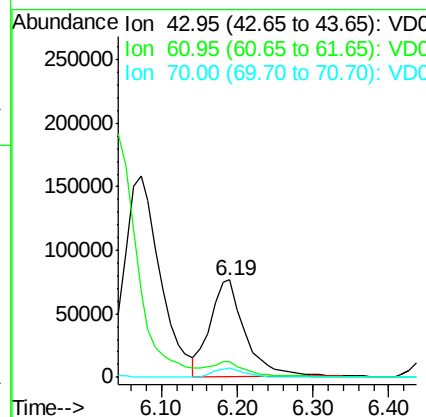
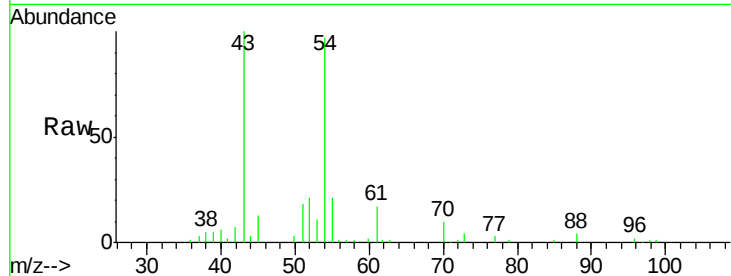
#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.8	20.8
70	9.7	7.8	11.8

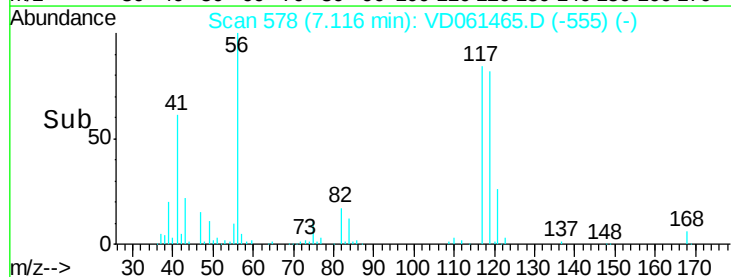
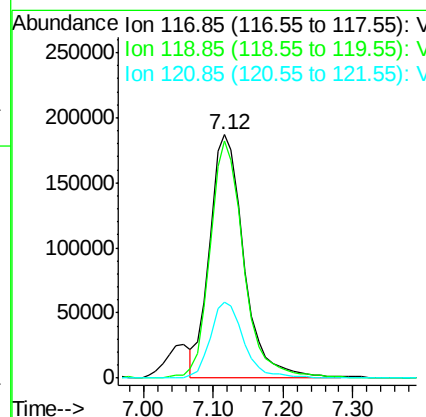
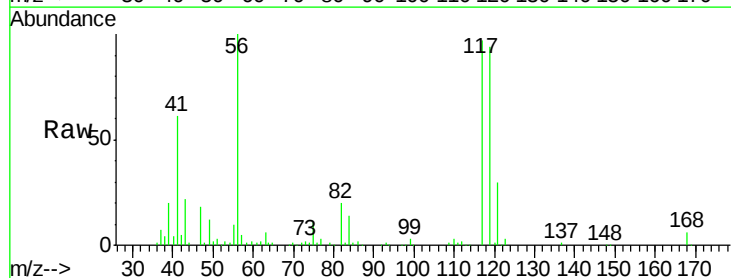
Manual Integrations
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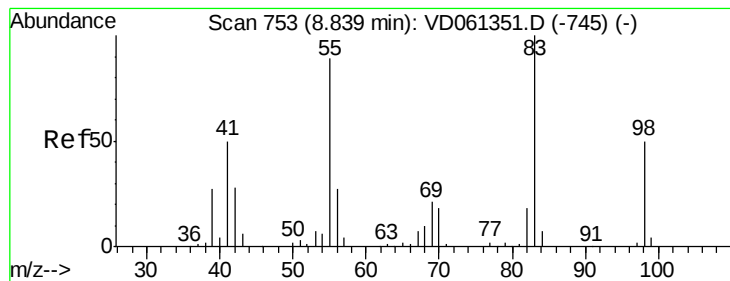
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#38
Carbon Tetrachloride
Concen: 49.640 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	80.1	120.1
121	31.2	25.6	38.4





#39

Methvlcvclohexane

Concen: 52.923 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 618767

Ion Ratio Lower Upper

83 100

55 87.0 71.5 107.3

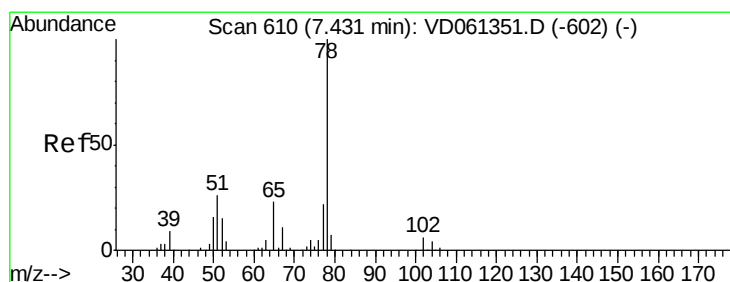
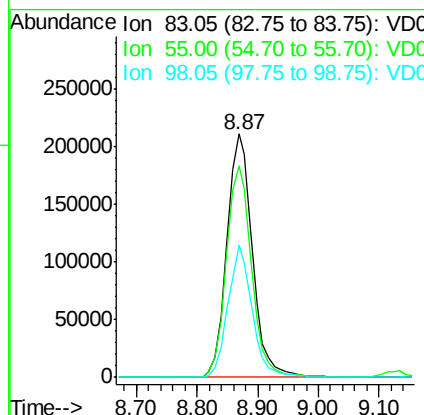
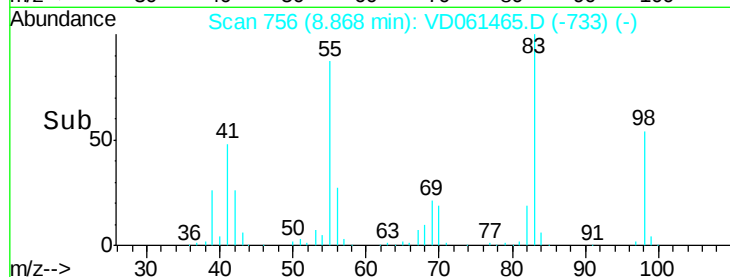
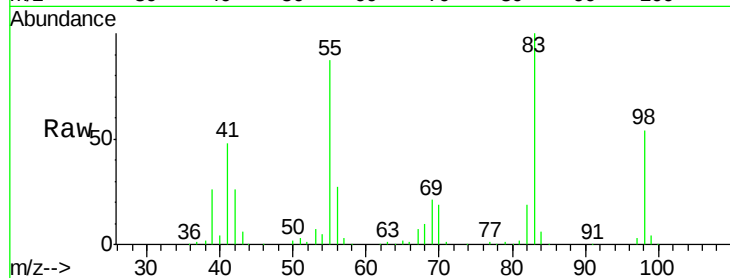
98 54.1 40.3 60.5

Manual Integrations

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#40

Benzene

Concen: 50.858 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061465.D

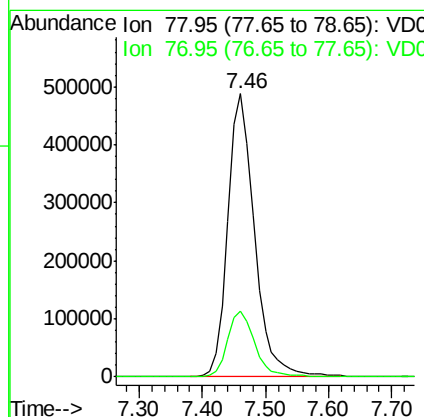
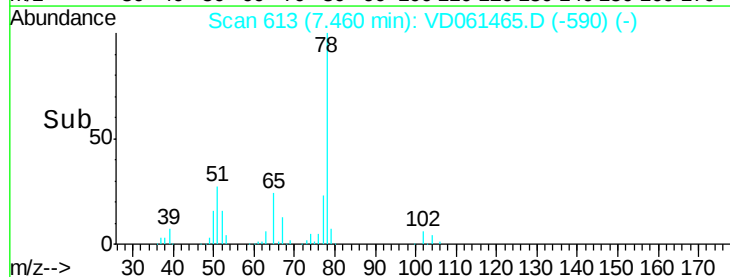
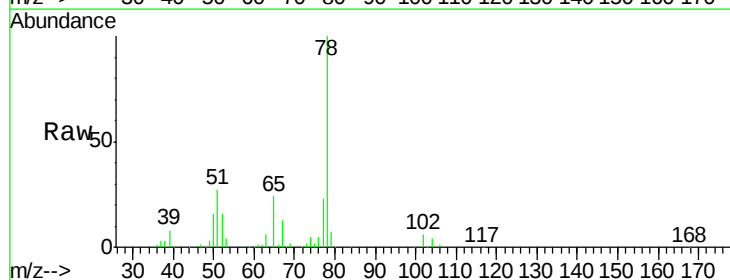
Acq: 1 Apr 2019 13:17

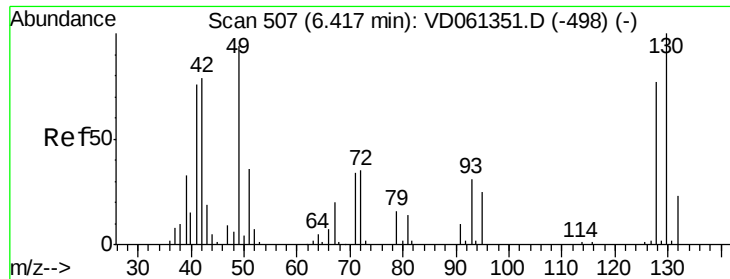
Tgt Ion: 78 Resp: 1432881

Ion Ratio Lower Upper

78 100

77 23.1 17.8 26.6





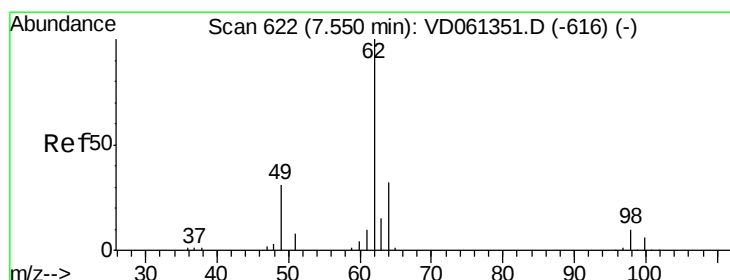
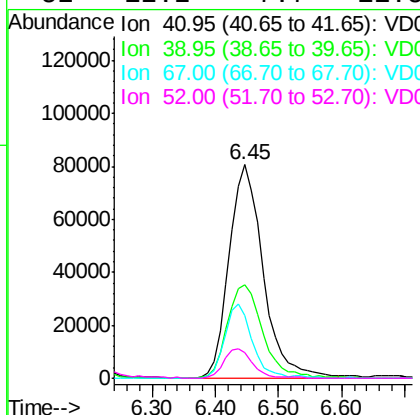
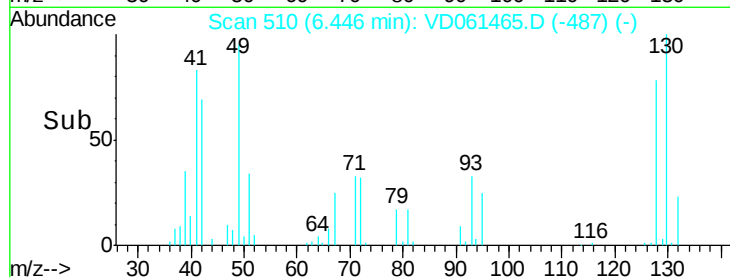
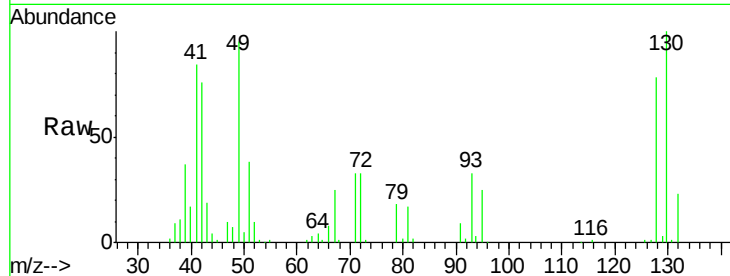
#41
Methacrylonitrile
Concen: 53.939 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	43.6	35.0	52.6	
67	29.5	21.0	31.6	
52	12.2	7.7	11.5	

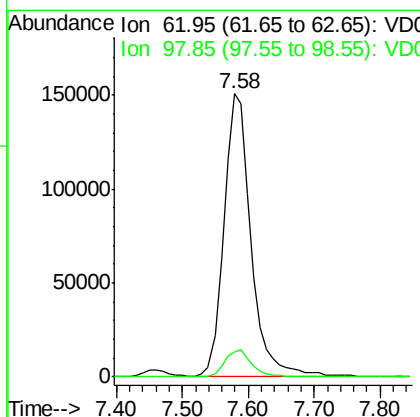
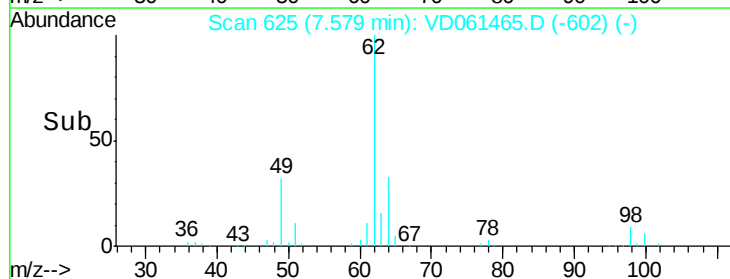
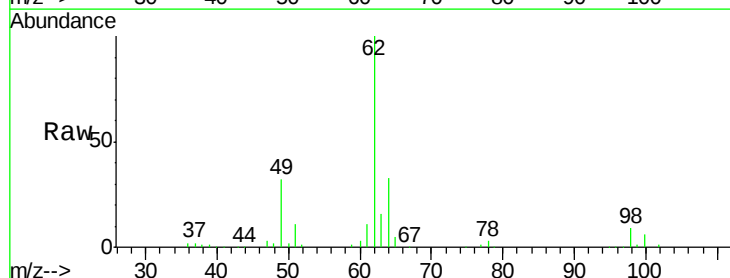
Manual Integrations
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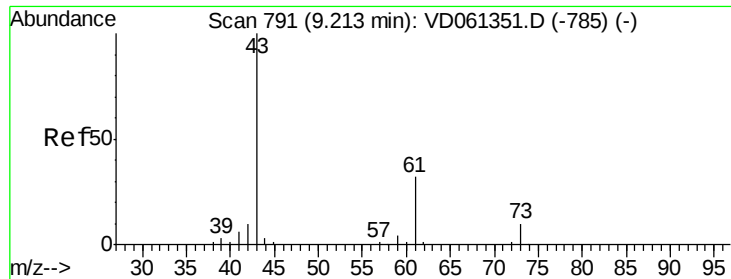
MMDadoda
4/2/2019 11:39:16 AM



#42
1,2-Dichloroethane
Concen: 50.860 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	19.8	





#43

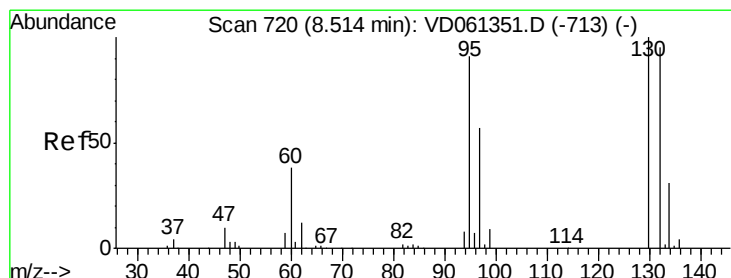
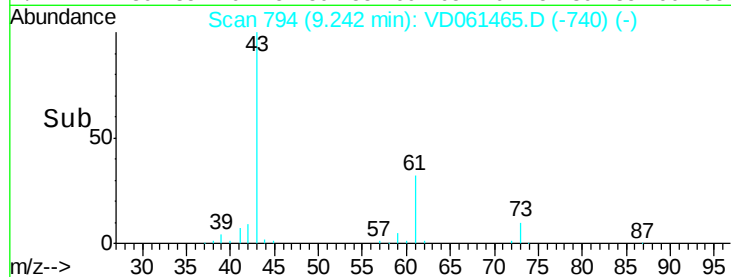
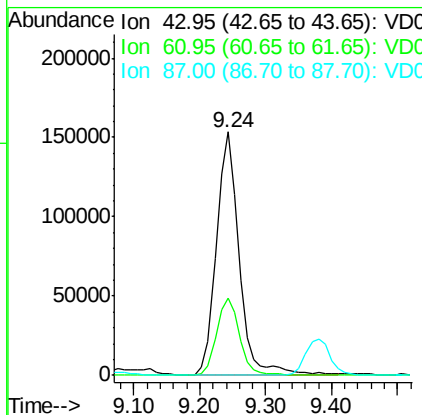
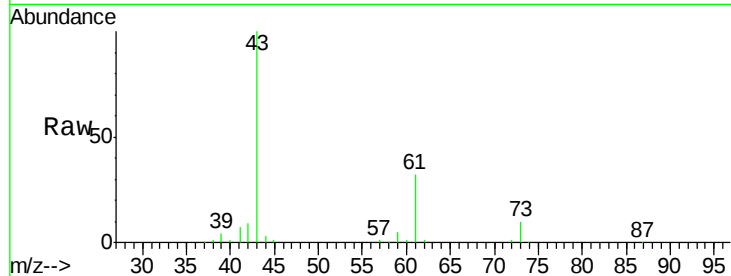
Isopropyl Acetate
 Concen: 53.144 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.8	38.6
87	0.2	0.0	0.0#

Manual Integrations
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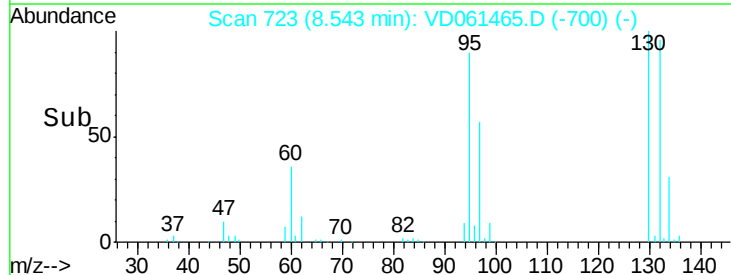
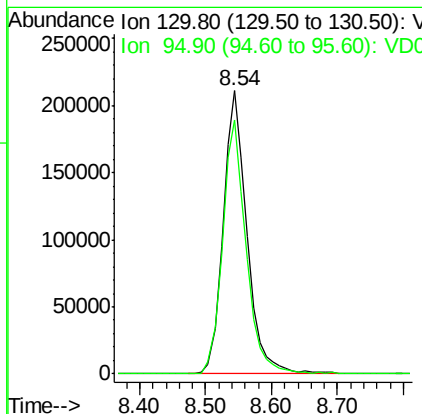
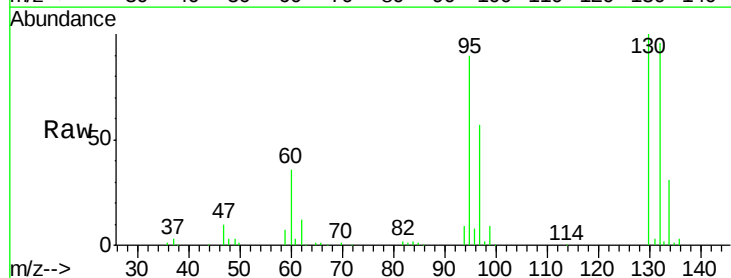
MMDadoda
 4/2/2019 11:39:16 AM

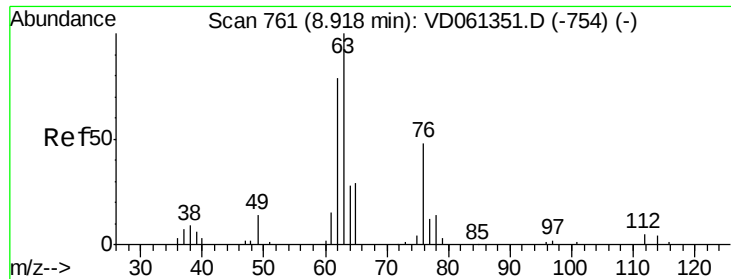


#44

Trichloroethene
 Concen: 50.543 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	181.4





#45

1,2-Dichloropropane

Concen: 53.169 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 379848

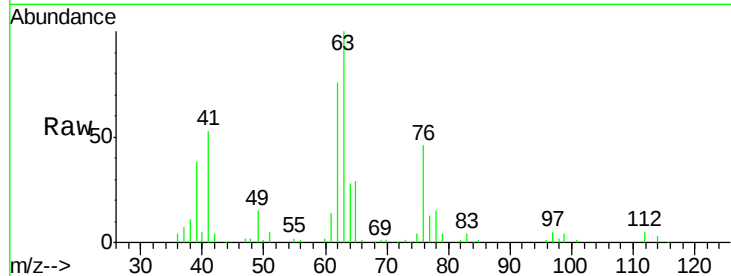
Ion Ratio Lower Upper

63 100

65 29.4 25.0 37.4

Manual Integrations
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4/2/2019 11:39:16 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

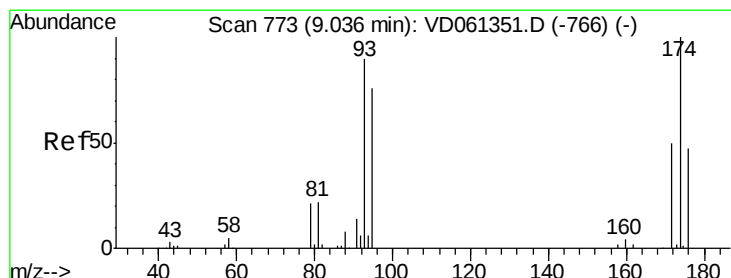
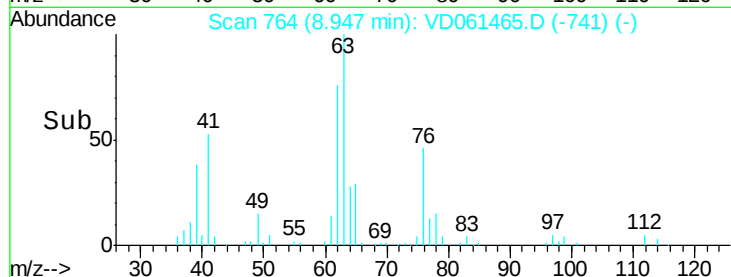
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.207 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

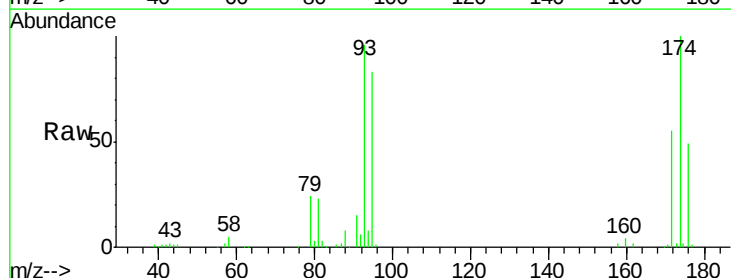
Tgt Ion: 93 Resp: 251041

Ion Ratio Lower Upper

93 100

95 86.8 67.4 101.0

174 104.2 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

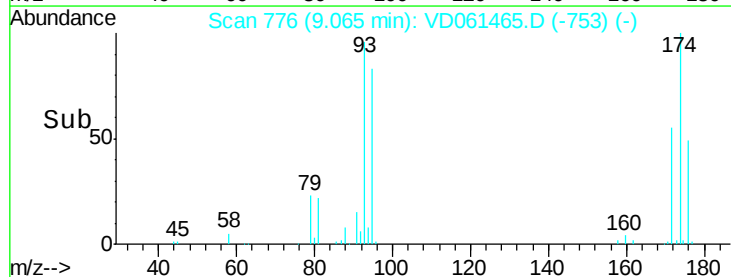
9.07

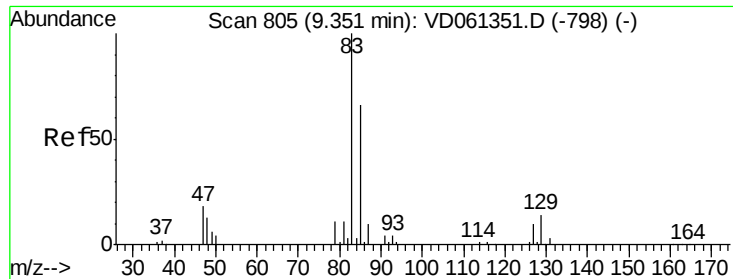
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.126 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

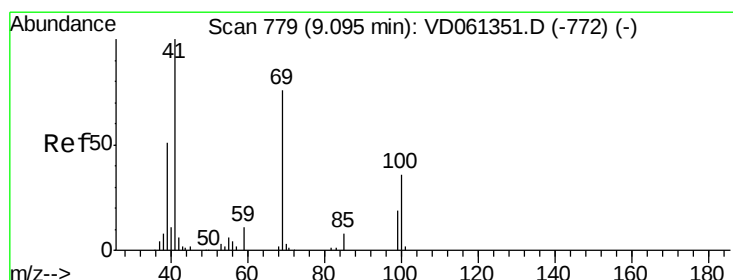
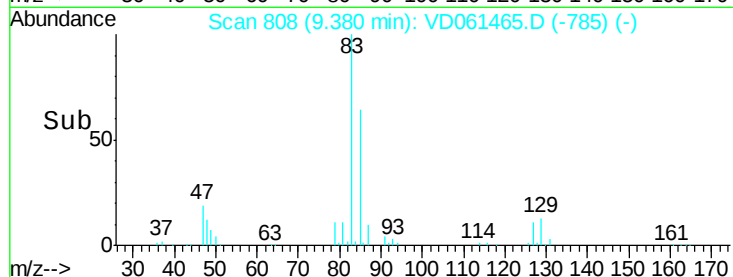
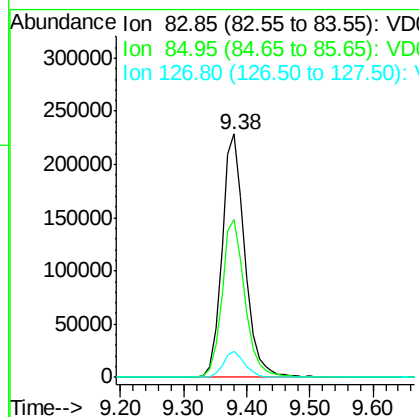
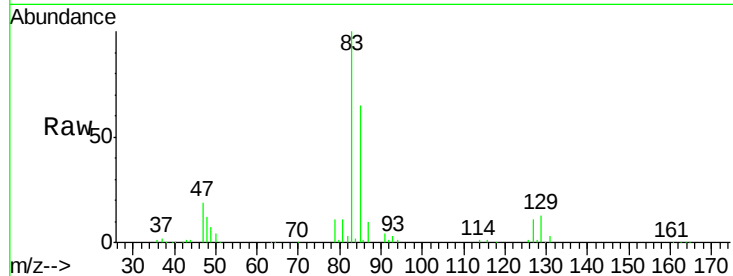
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	573374
Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.0	79.4
127	10.7	8.4	12.6

Manual Integrations
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4/2/2019 11:39:16 AM



#48

Methyl methacrylate

Concen: 53.917 ug/l

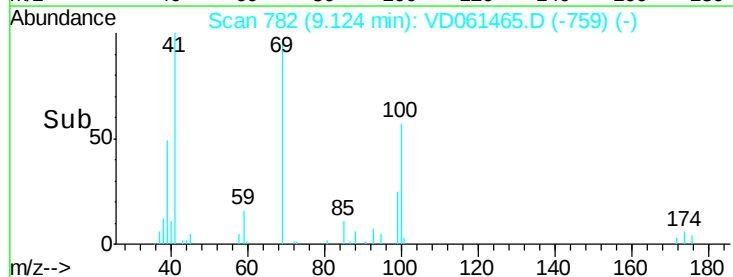
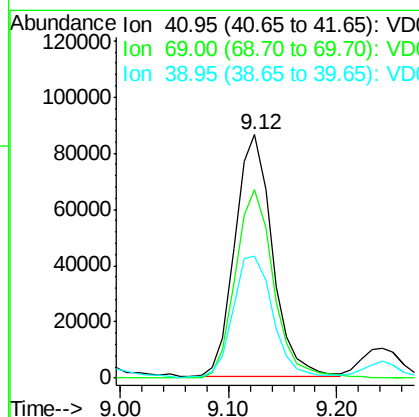
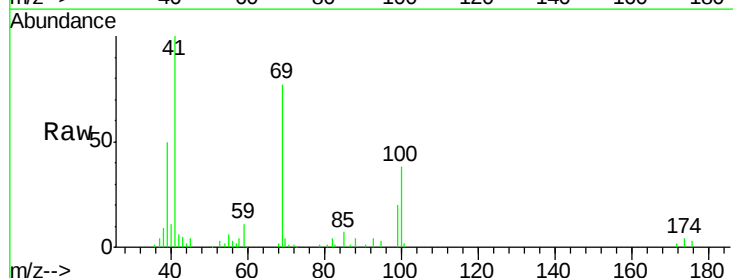
RT: 9.12 min Scan# 782

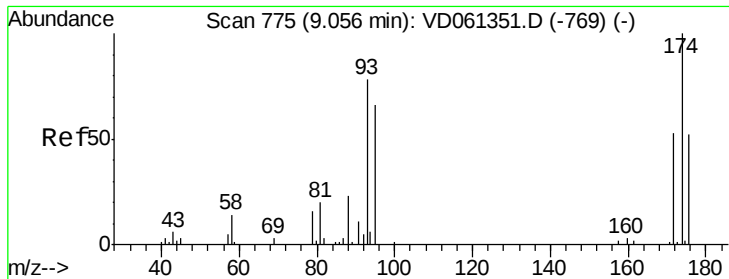
Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	41	Resp:	207865
Ion	Ratio	Lower	Upper
41	100		
69	77.3	60.2	90.4
39	50.2	41.4	62.2





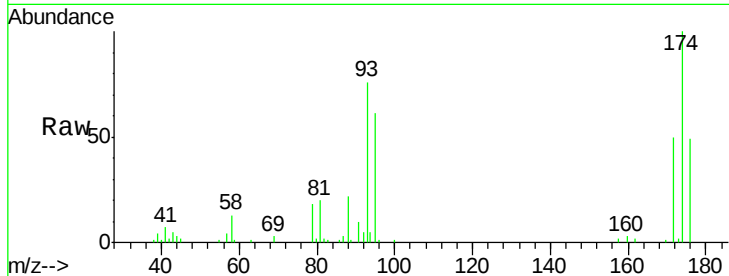
#49
1,4-Dioxane
Concen: 1062.883 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	45197
Ion	Ratio	Lower	Upper
88	100		
43	23.5	23.3	34.9
58	58.5	50.8	76.2

Manual Integrations
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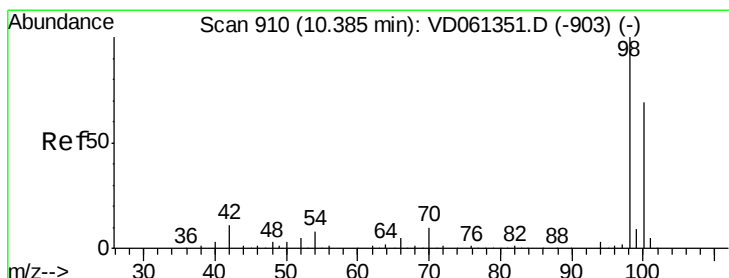
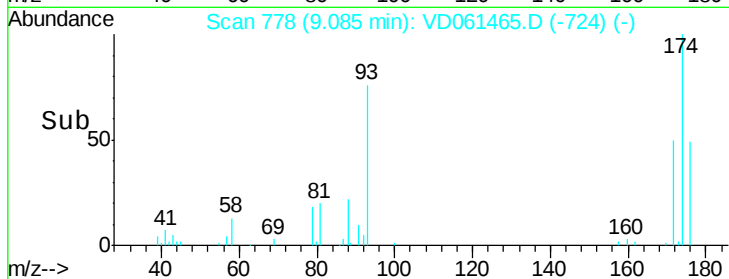
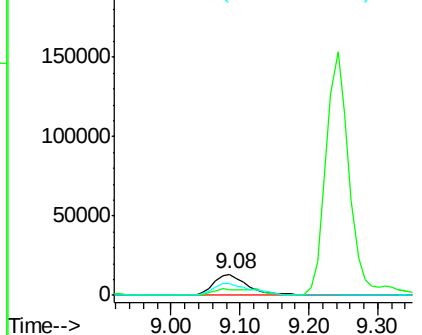


Abundance

Ion 88.00 (87.70 to 88.70): VDC

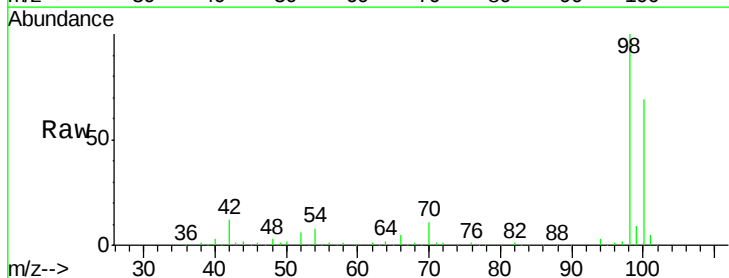
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 1062.883 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

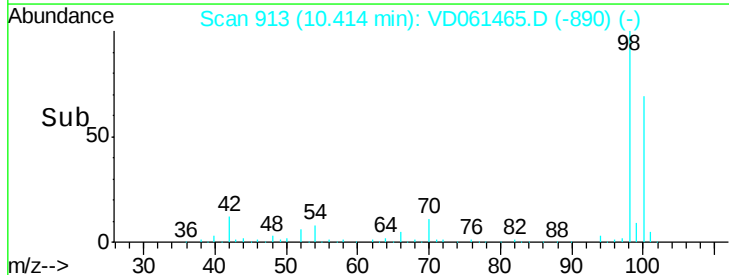
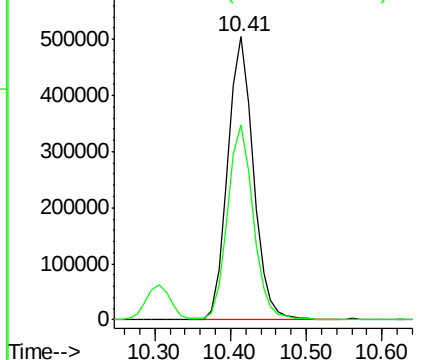
Tgt Ion	98	Resp	1183815
Ion	Ratio	Lower	Upper
98	100		
100	69.0	56.2	84.2

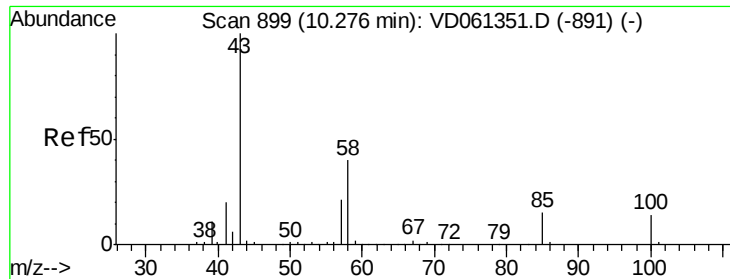


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 261.787 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tot Ion: 43 Resp: 1112583

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8

Instrument :

MSVOA_D

ClientSampleId :

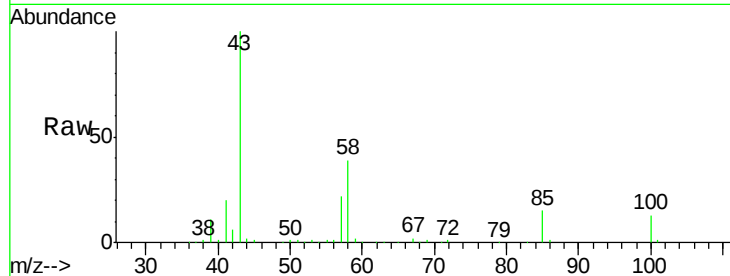
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

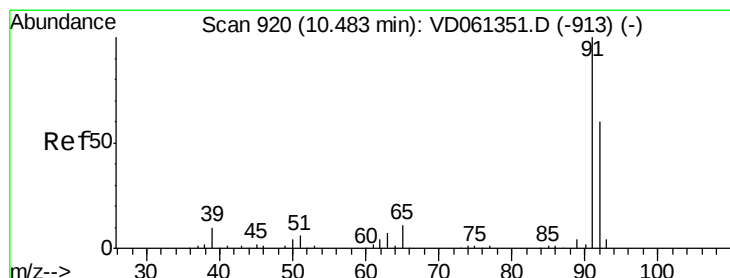
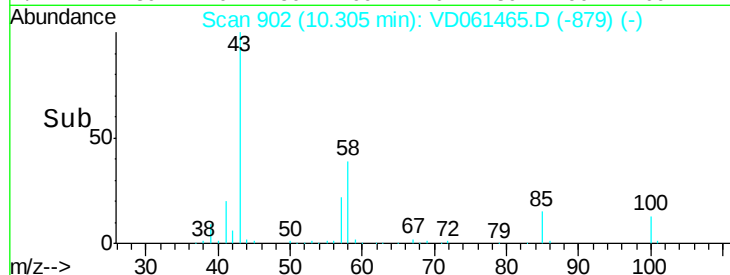
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.075 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061465.D

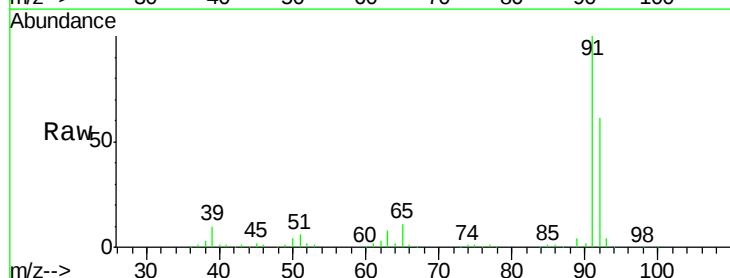
Acq: 1 Apr 2019 13:17

Tgt Ion: 92 Resp: 877910

Ion Ratio Lower Upper

92 100

91 162.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

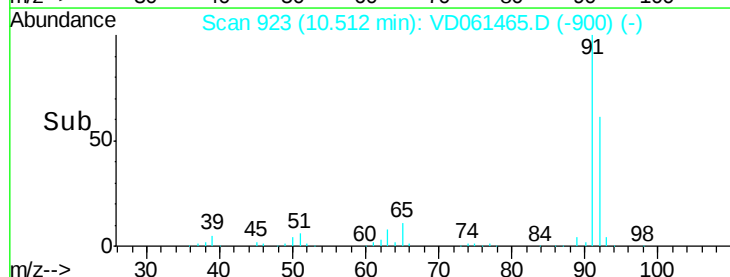
600000

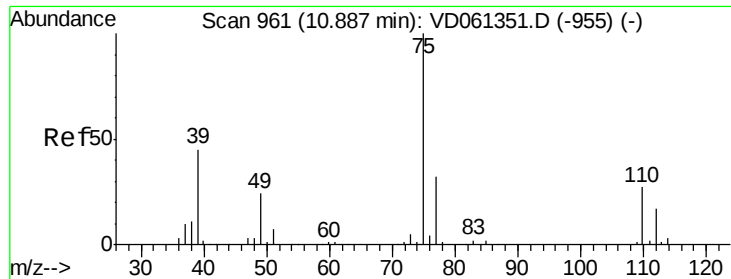
400000

200000

0

Time-->





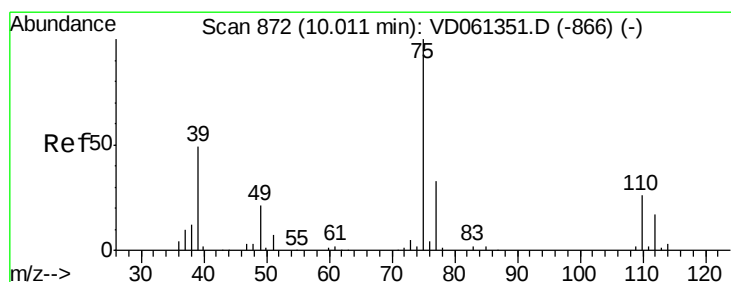
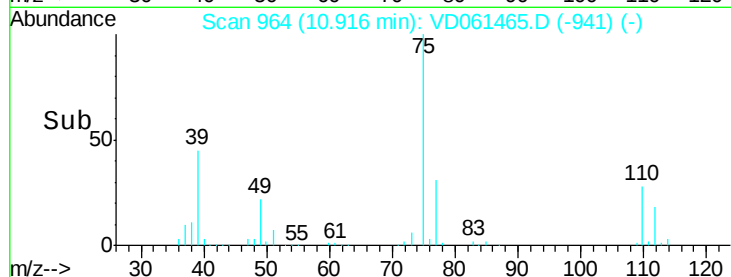
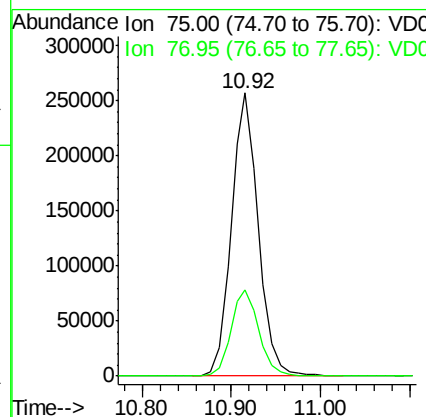
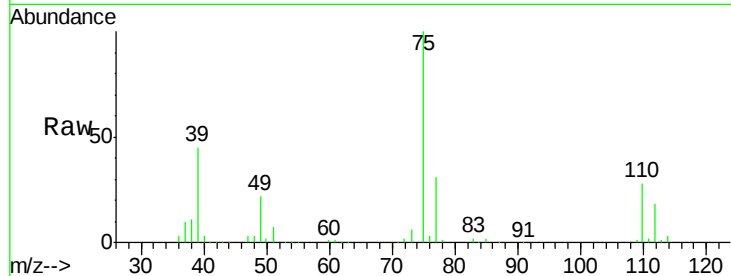
#53
t-1,3-Dichloropropene
Concen: 55.423 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 543460
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

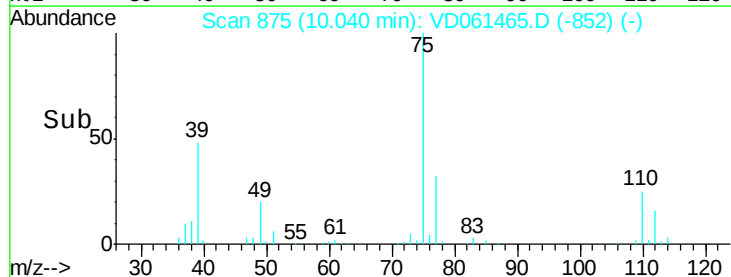
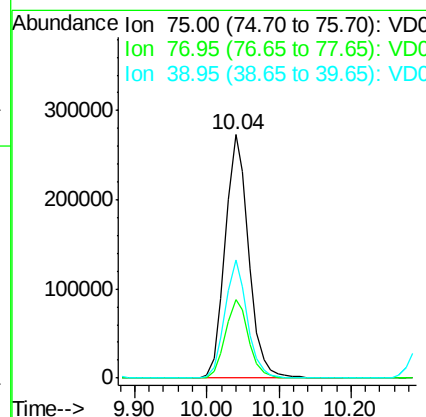
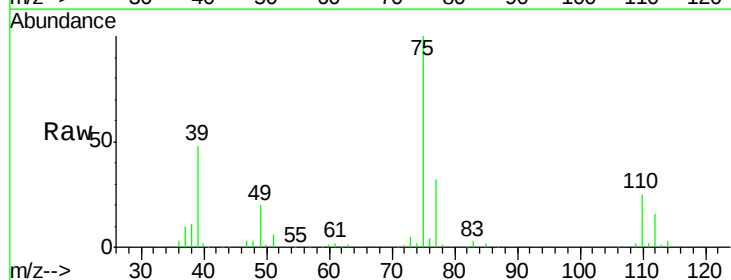
Manual Integrations
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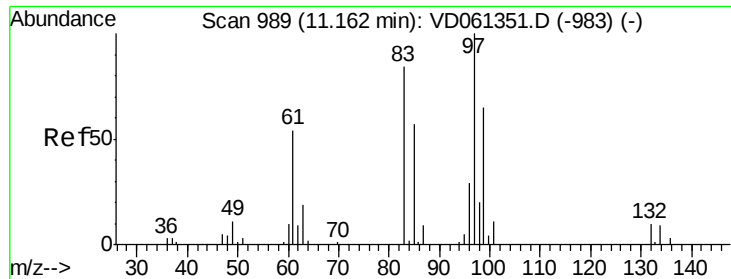
MMDadoda
4/2/2019 11:39:16 AM



#54
cis-1,3-Dichloropropene
Concen: 51.387 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 75 Resp: 613562
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.4
39 48.3 39.4 59.0





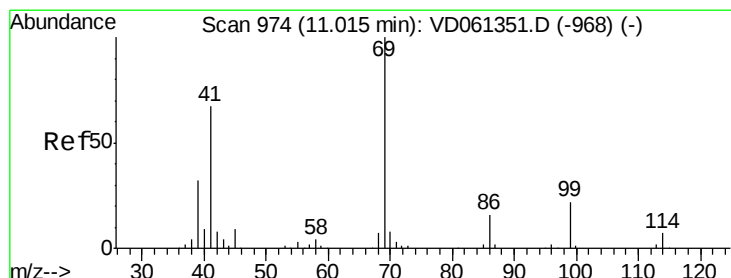
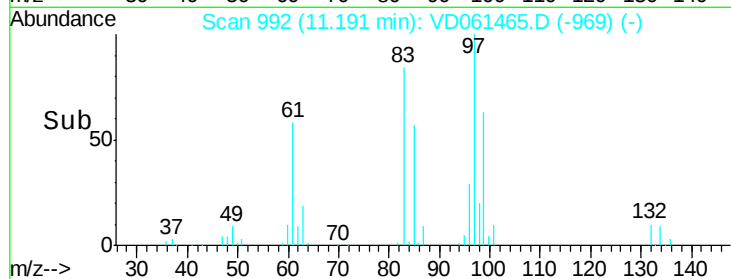
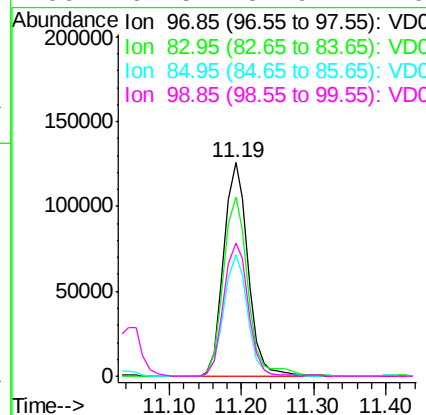
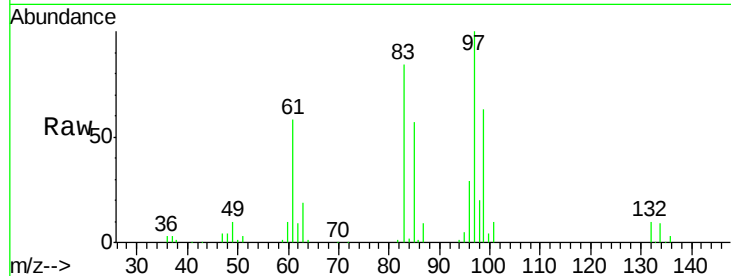
#55
 1,1,2-Trichloroethane
 Concen: 48.851 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	293653
Ion Ratio	Lower	Upper	
97	100		
83	84.0	67.0	100.6
85	56.9	45.4	68.2
99	62.5	51.9	77.9

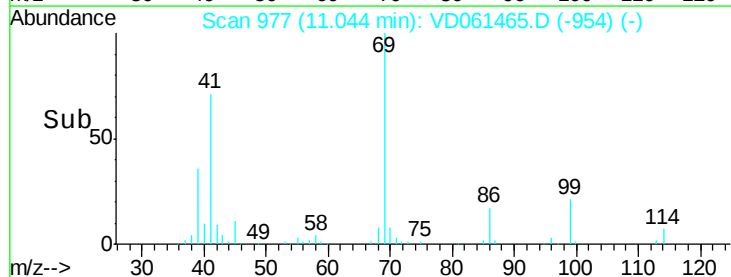
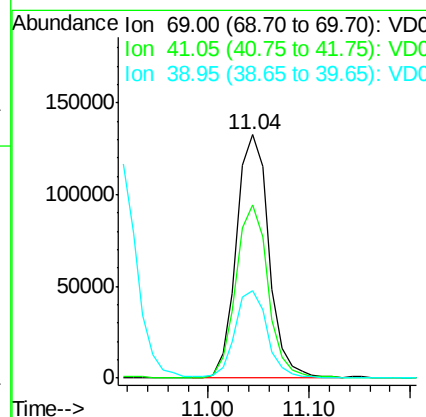
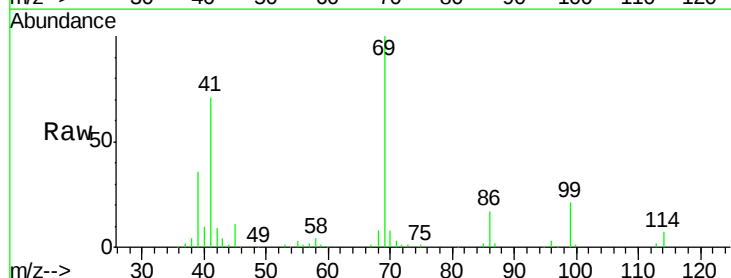
Manual Integrations
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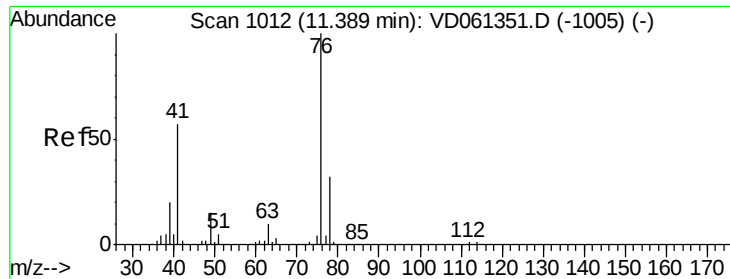
MMDadoda
 4/2/2019 11:39:16 AM



#56
 Ethyl methacrylate
 Concen: 46.203 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:	69	Resp:	298361
Ion Ratio	Lower	Upper	
69	100		
41	71.2	53.8	80.6
39	36.1	26.4	39.6





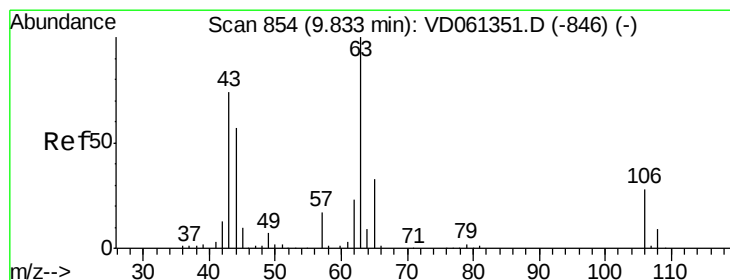
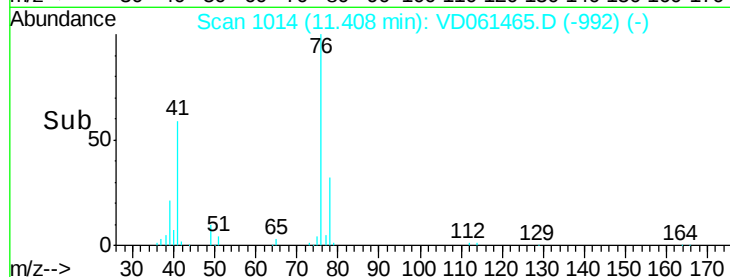
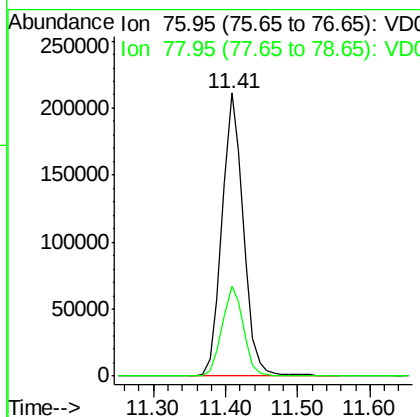
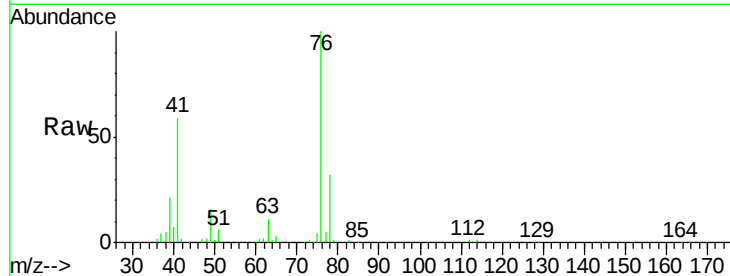
#57
 1,3-Dichloropropane
 Concen: 48.825 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 431383
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

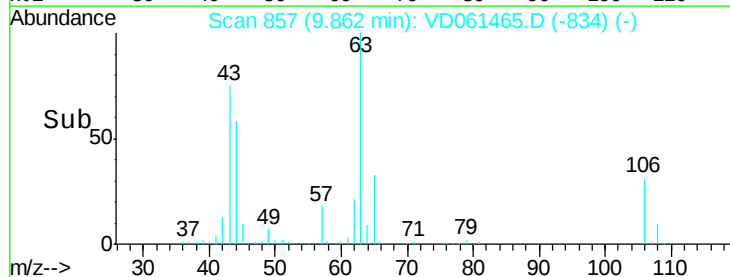
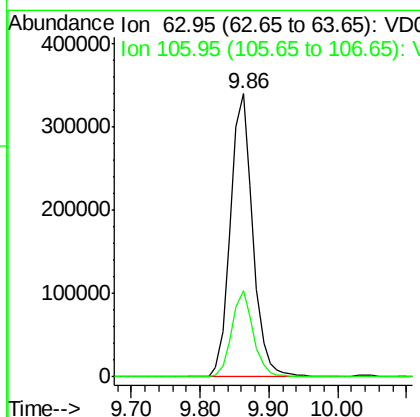
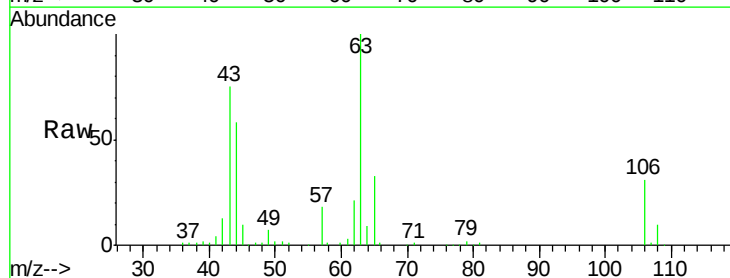
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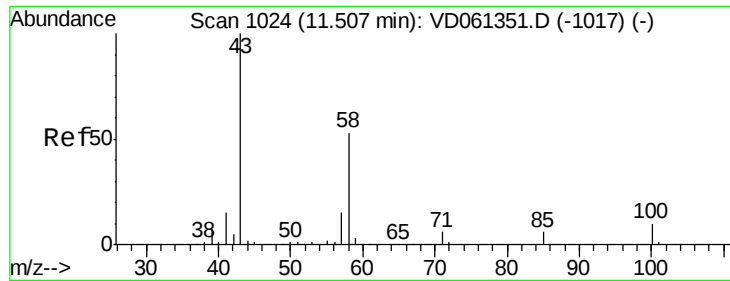
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.800 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 63 Resp: 763567
 Ion Ratio Lower Upper
 63 100
 106 30.7 22.4 33.6





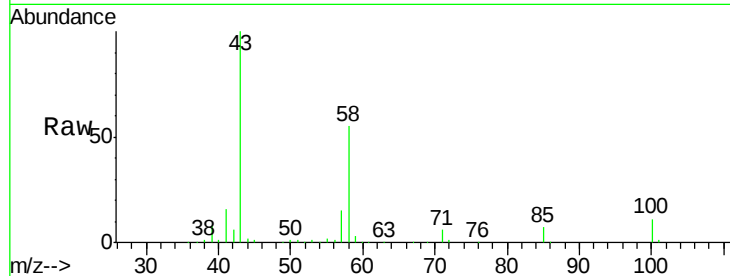
#59
2-Hexanone
Concen: 266.243 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

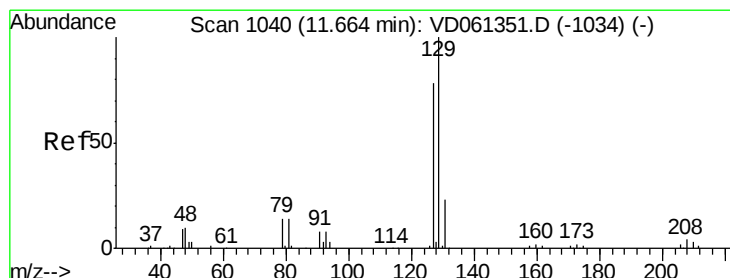
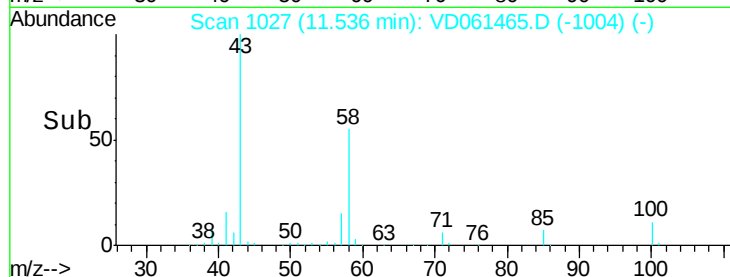
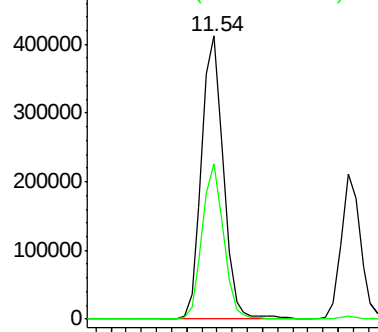
Tot Ion: 43 Resp: 819821
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.9

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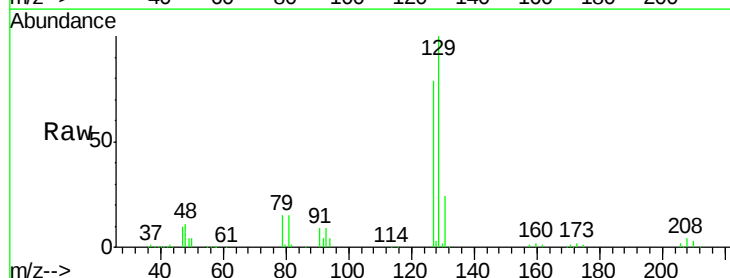


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

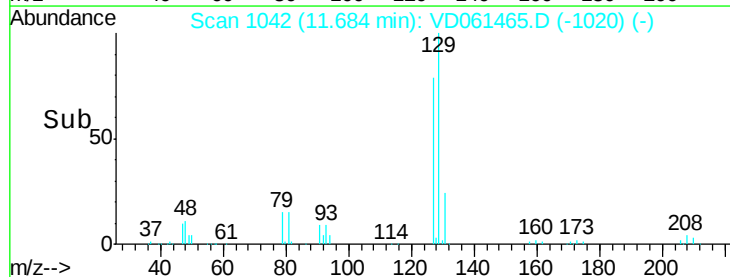
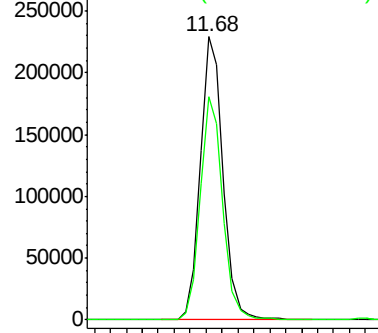


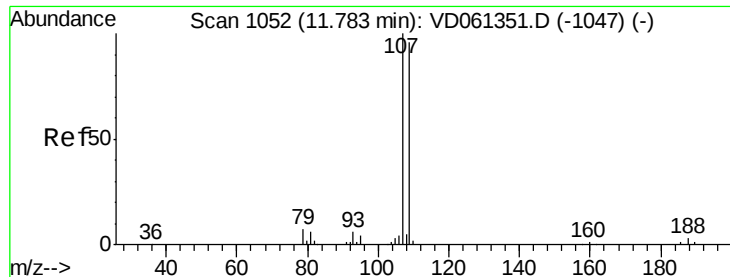
#60
Dibromochloromethane
Concen: 49.593 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 129 Resp: 459577
Ion Ratio Lower Upper
129 100
127 78.9 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 48.336 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 336452

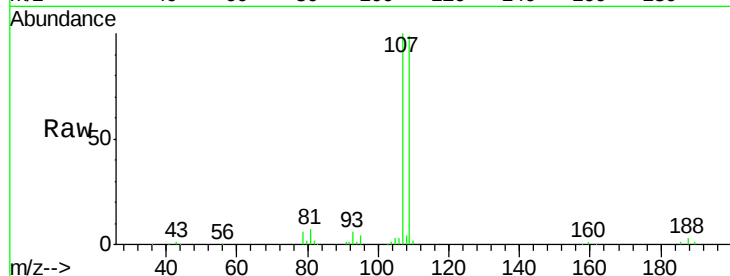
Ion Ratio Lower Upper

107 100

109 99.2 76.6 114.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

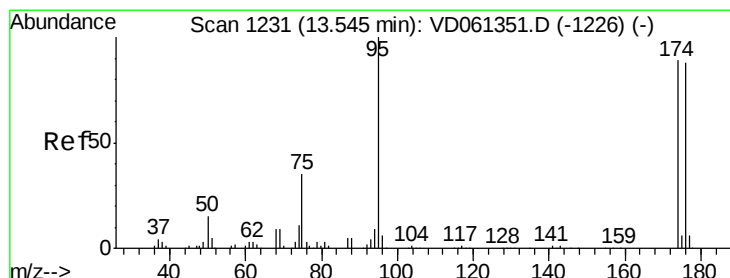
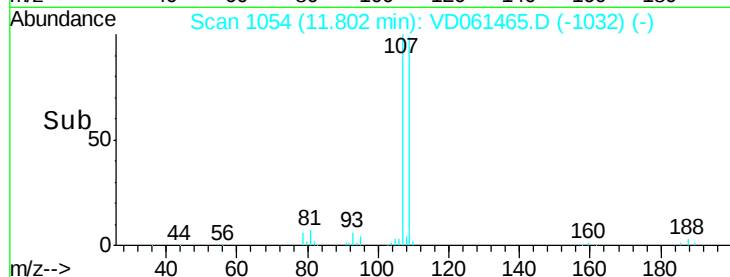
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.336 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

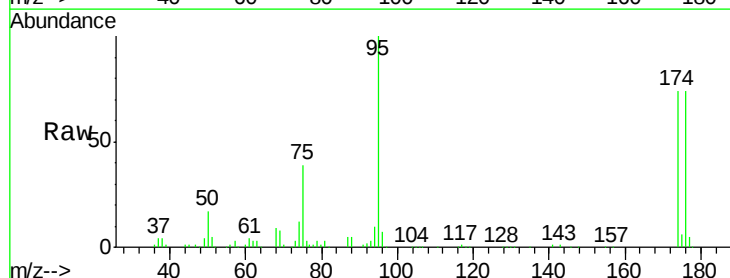
Tgt Ion: 95 Resp: 479906

Ion Ratio Lower Upper

95 100

174 74.4 0.0 178.0

176 73.7 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.55

400000

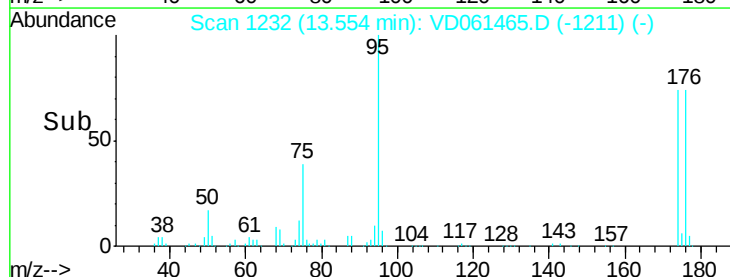
300000

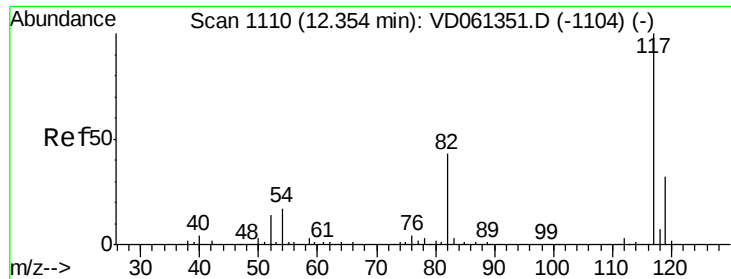
200000

100000

0

Time-->





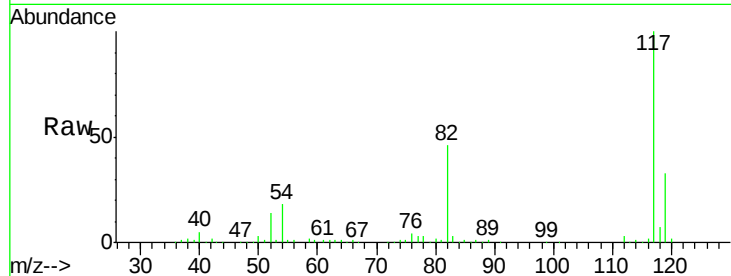
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

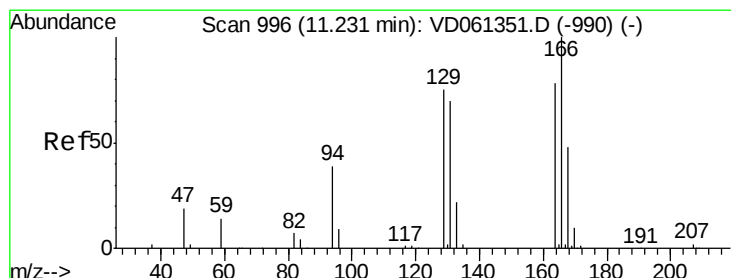
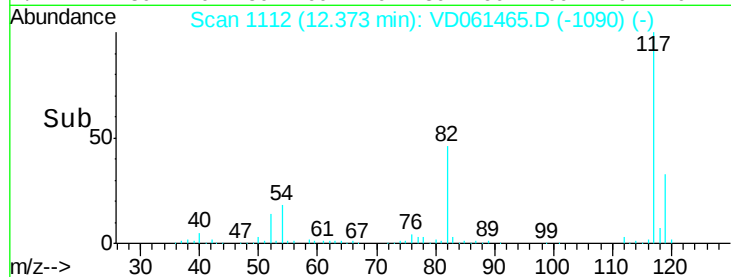
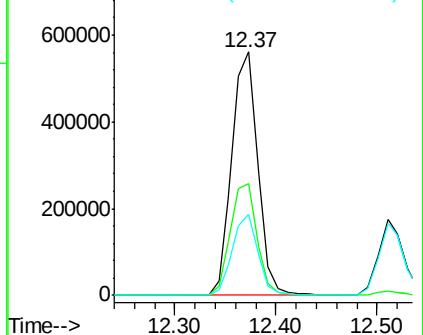
Tot Ion:117 Resp: 1008806
Ion Ratio Lower Upper
117 100
82 46.2 34.4 51.6
119 33.1 25.8 38.6

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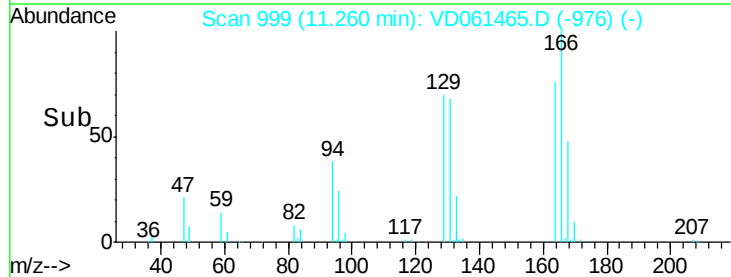
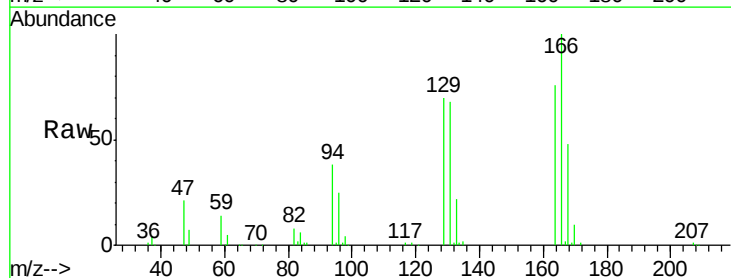
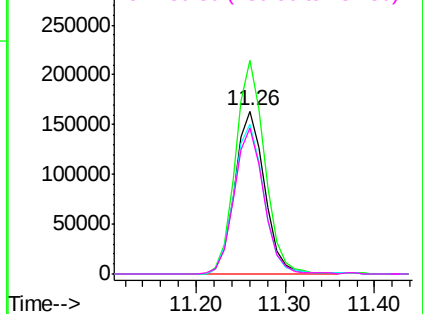
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

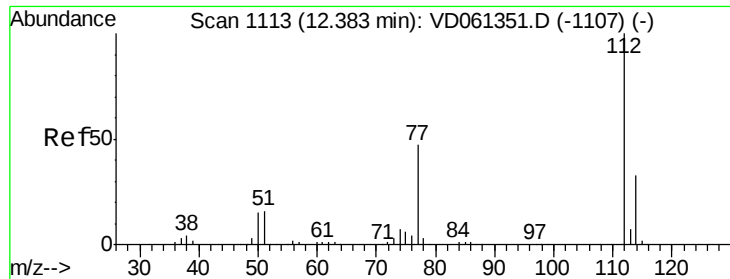


#64
Tetrachloroethene
Concen: 48.272 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:164 Resp: 382185
Ion Ratio Lower Upper
164 100
166 130.9 102.4 153.6
129 92.2 76.8 115.2
131 89.3 71.8 107.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.698 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1065840

Ion Ratio Lower Upper

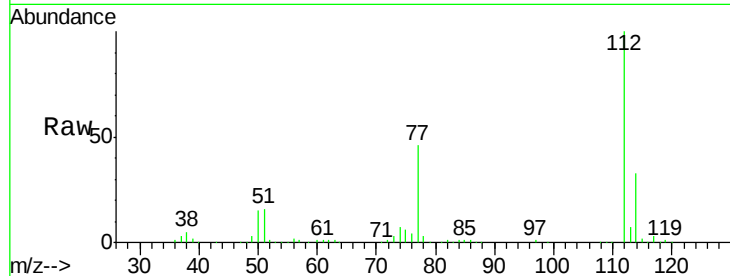
112 100

114 32.6 26.6 39.8

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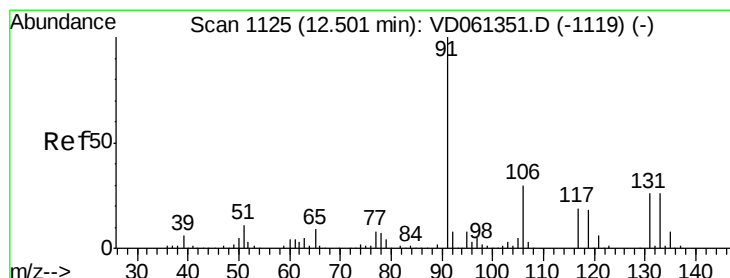
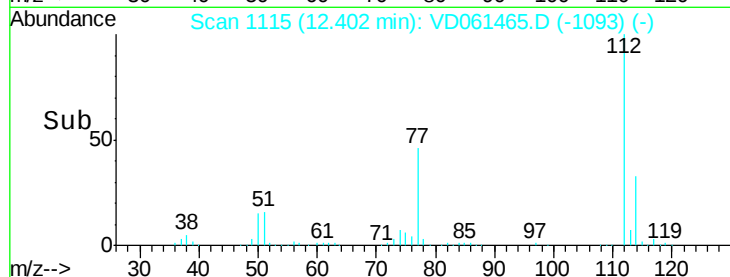
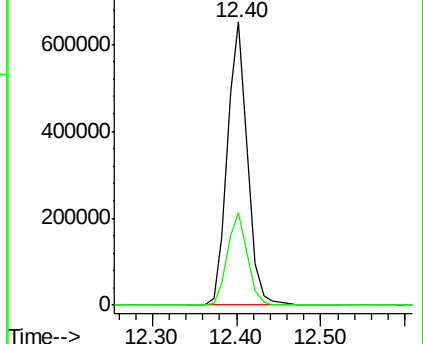
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.211 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

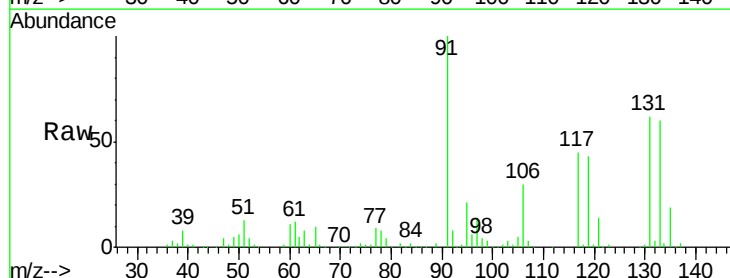
Tgt Ion:131 Resp: 424757

Ion Ratio Lower Upper

131 100

133 95.7 49.4 148.2

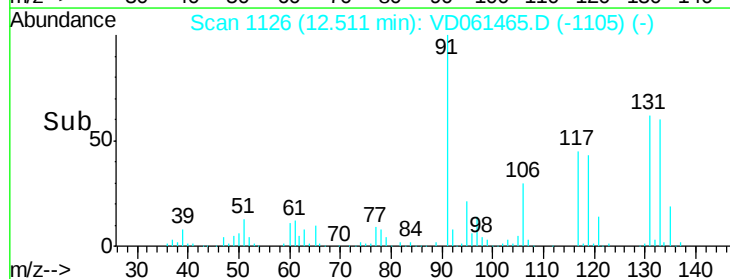
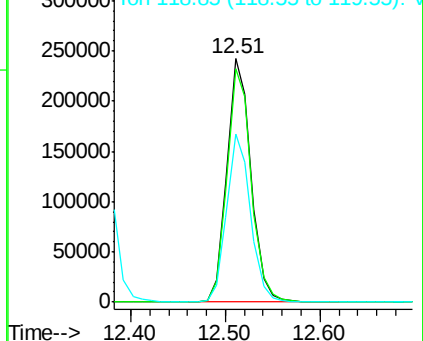
119 68.9 34.1 102.2

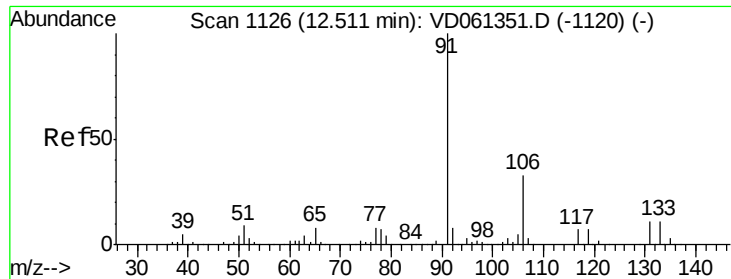


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





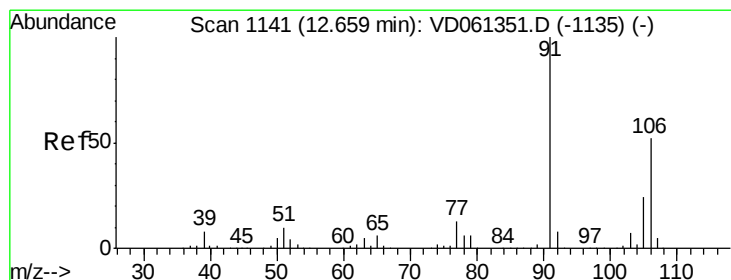
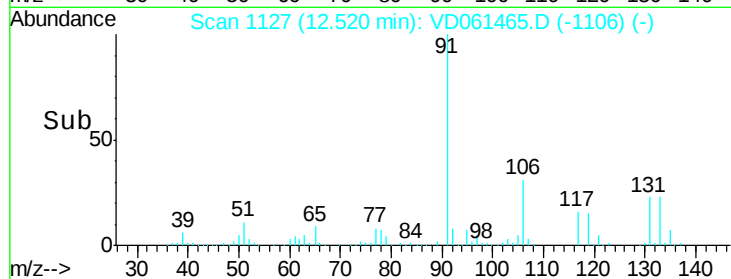
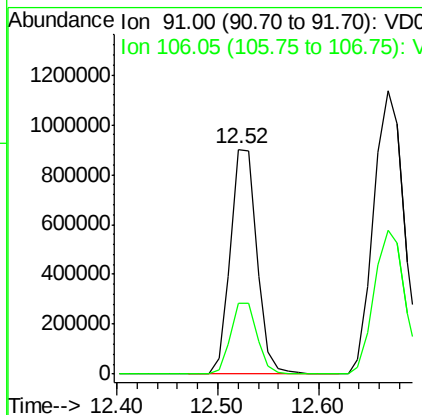
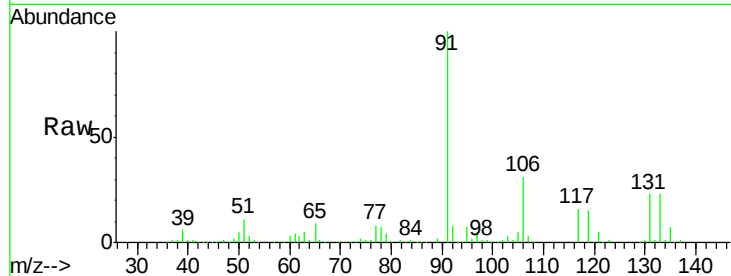
#67
Ethyl Benzene
Concen: 52.265 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1644701
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1

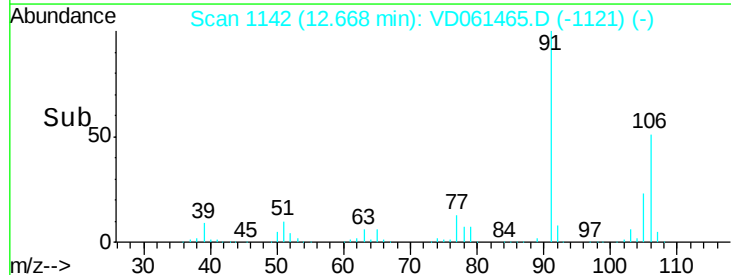
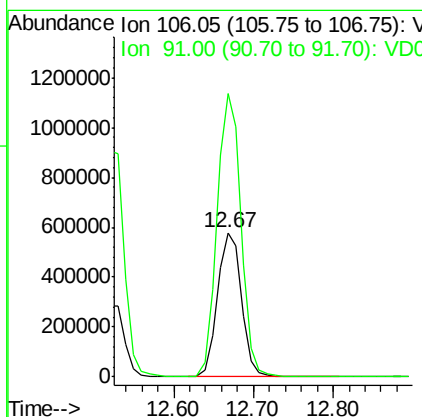
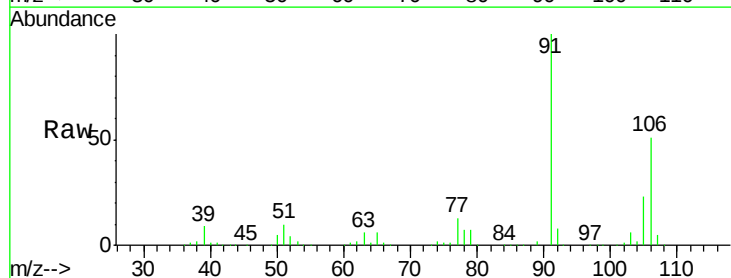
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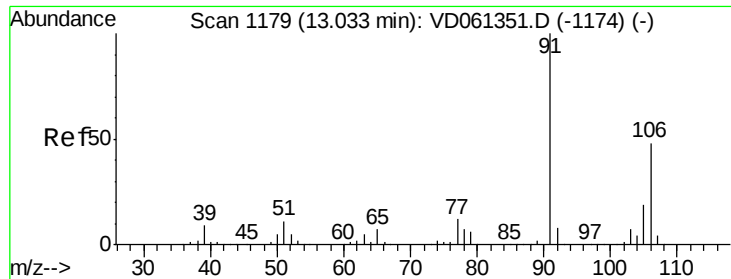
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#68
m/p-Xylenes
Concen: 102.814 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:106 Resp: 1225584
Ion Ratio Lower Upper
106 100
91 196.5 153.1 229.7





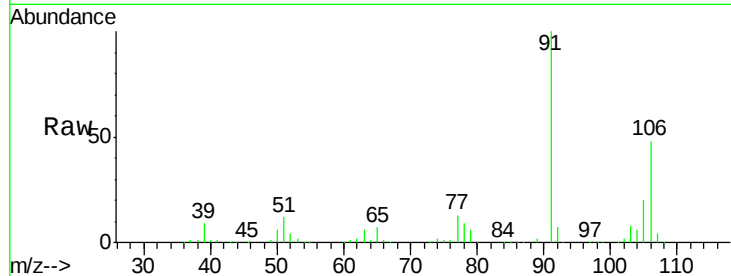
#69
o-Xylene
Concen: 47.273 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

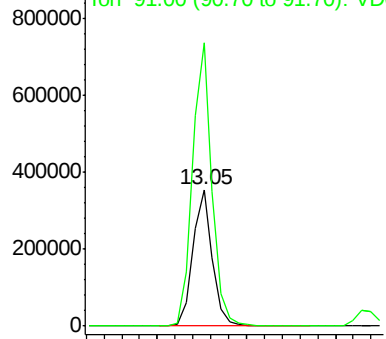
Tot Ion:106 Resp: 546847
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.3

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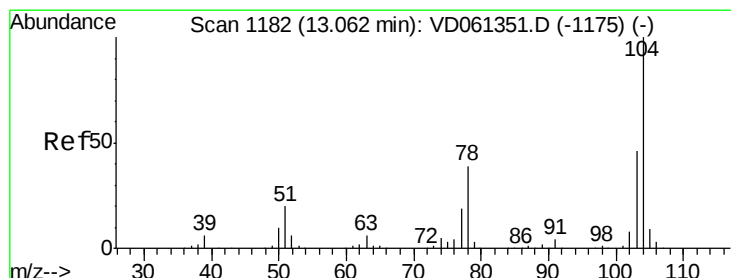
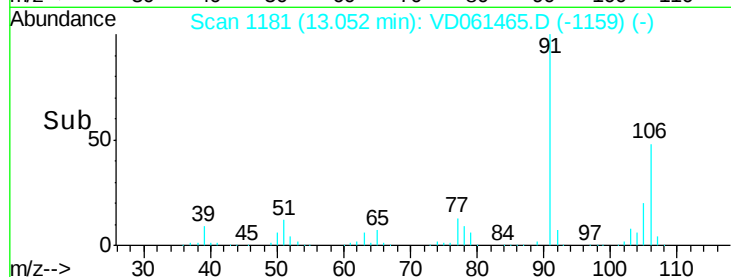
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

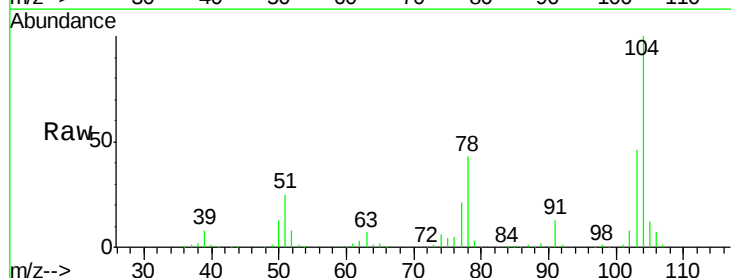


Time-->

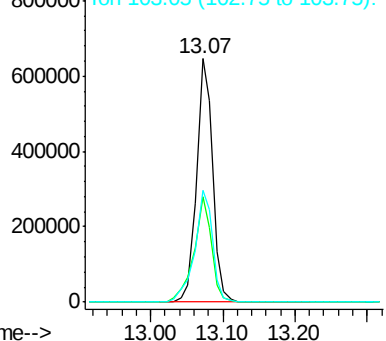


#70
Styrene
Concen: 49.356 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

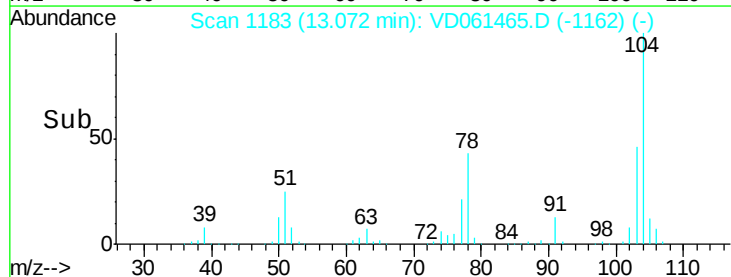
Tgt Ion:104 Resp: 995264
Ion Ratio Lower Upper
104 100
78 43.5 31.0 46.6
103 46.0 37.0 55.4

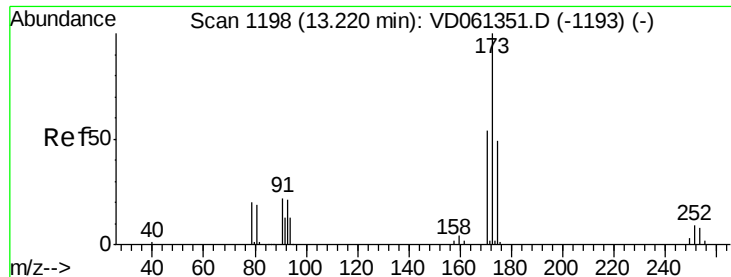


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 56.223 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

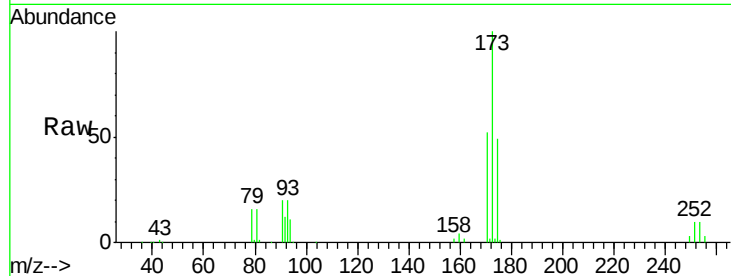
ClientSampleId :

VSTDCCC050

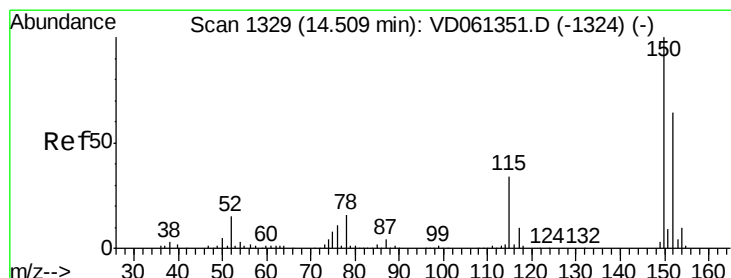
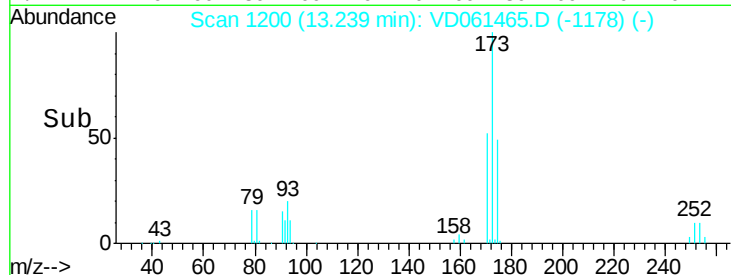
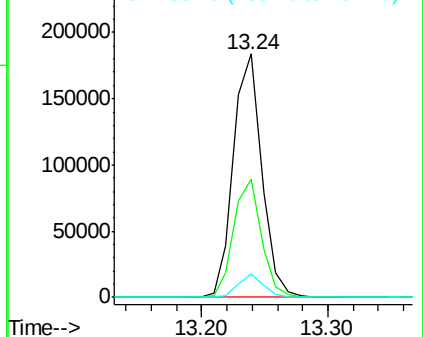
Tot Ion:	173	Resp:	284500
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.6	73.8
254	9.7	6.6	10.0

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

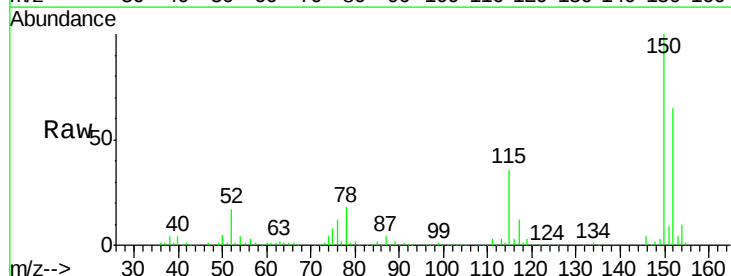
RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

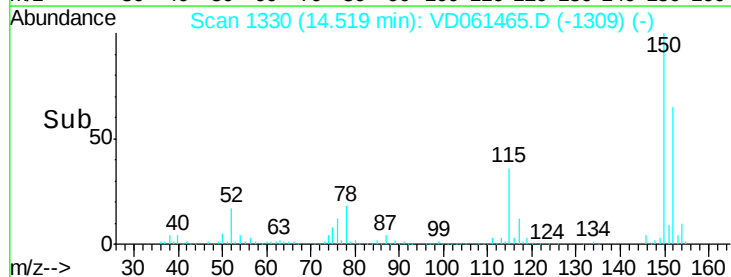
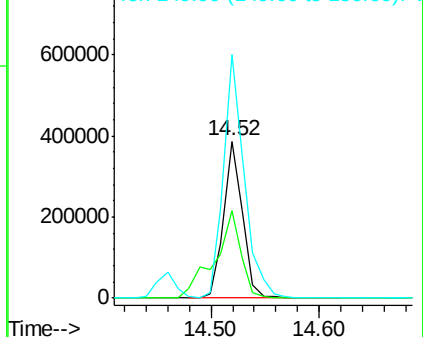
Lab File: VD061465.D

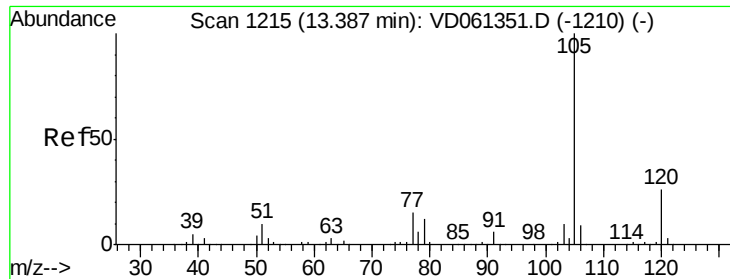
Acq: 1 Apr 2019 13:17

Tgt Ion:	152	Resp:	467023
Ion Ratio	Lower	Upper	
152	100		
115	55.9	26.9	80.6
150	154.9	0.0	318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.553 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1643201

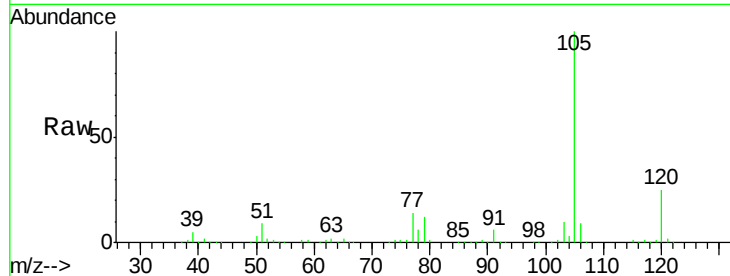
Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.3

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

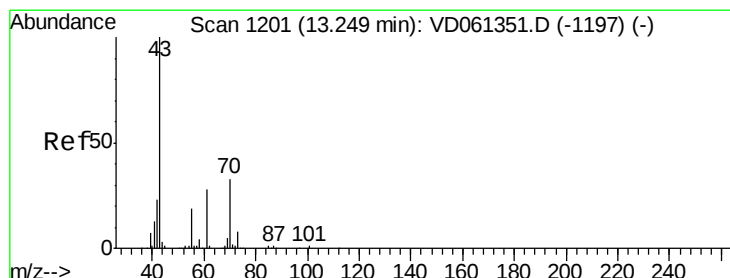
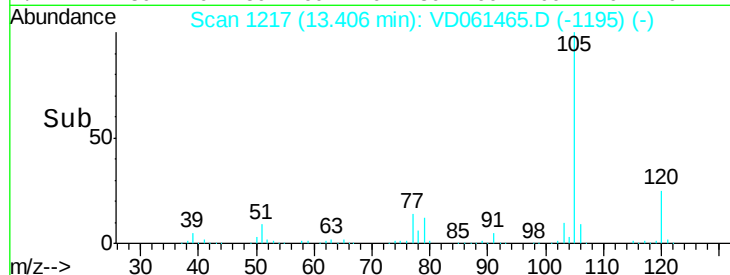
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 50.181 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion: 43 Resp: 454377

Ion Ratio Lower Upper

43 100

70 34.4 26.6 40.0

55 20.0 15.4 23.2

61 29.0 22.2 33.4

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

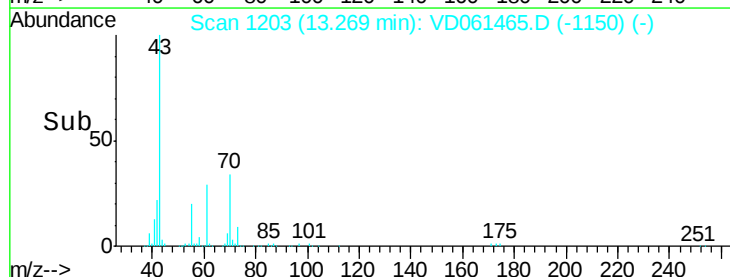
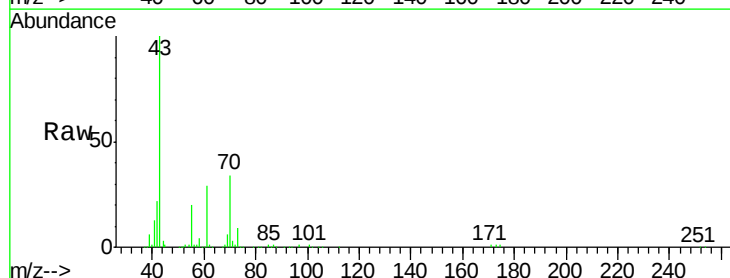
200000

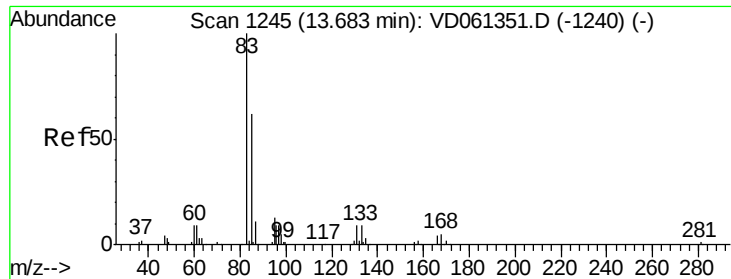
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.073 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

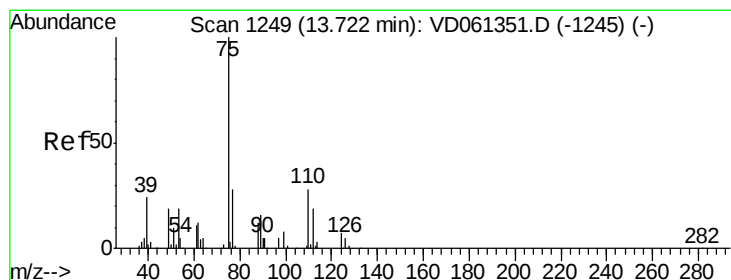
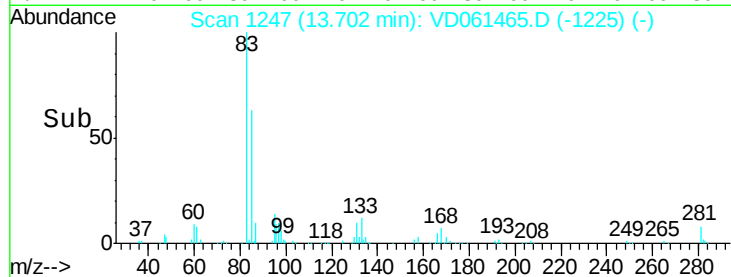
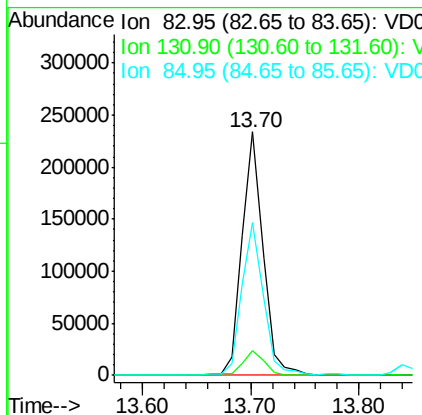
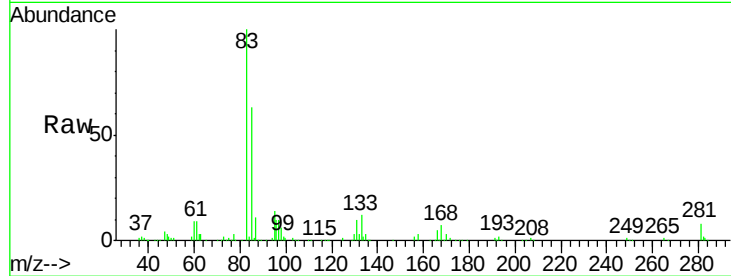
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315915
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.3	13.1
85	62.6	31.2	93.6

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#76

1,2,3-Trichloropropane

Concen: 46.505 ug/l

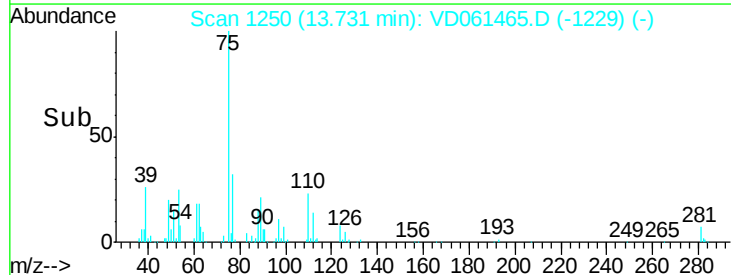
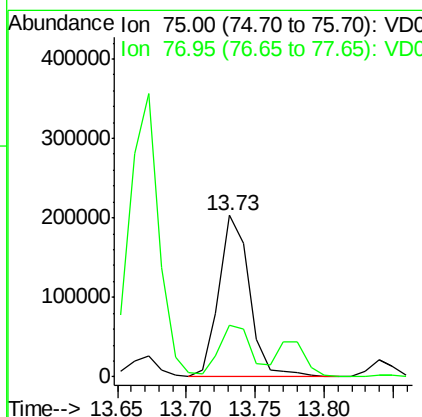
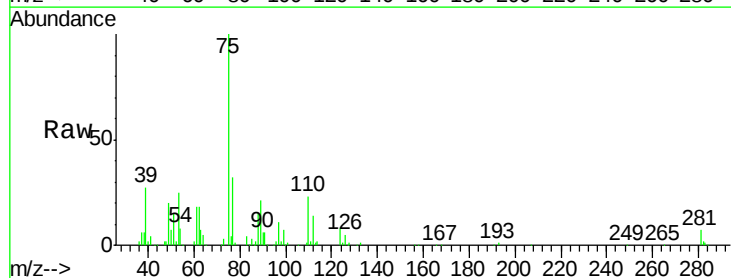
RT: 13.73 min Scan# 1250

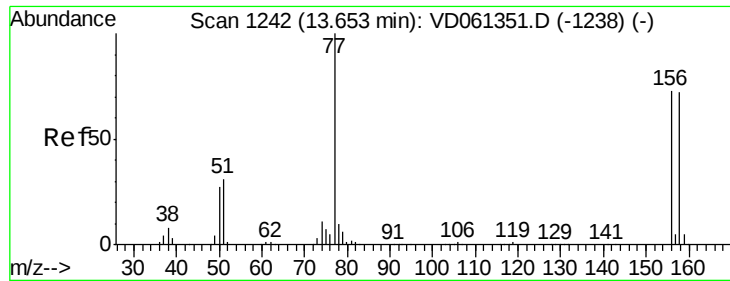
Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	75	Resp:	313736
Ion Ratio	Lower	Upper	
75	100		
77	32.0	16.2	48.5





#77

Bromobenzene

Concen: 44.487 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

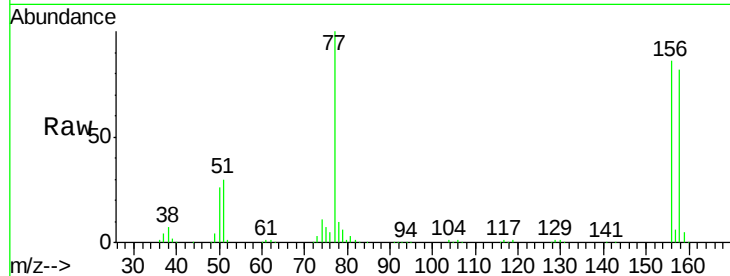
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		428683		
77	115.8	68.5	205.6		
158	95.3	49.1	147.3		

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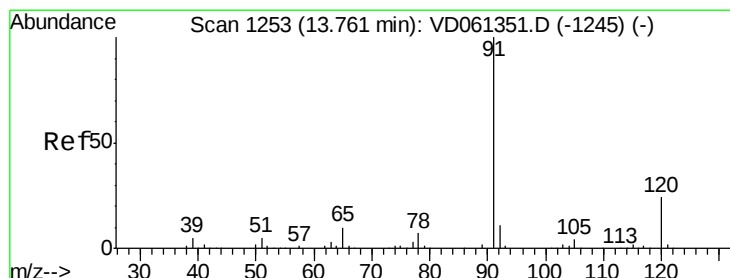
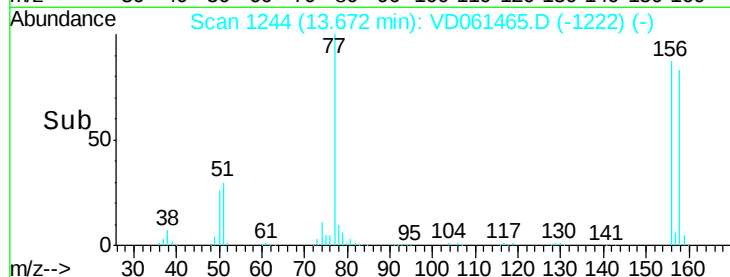
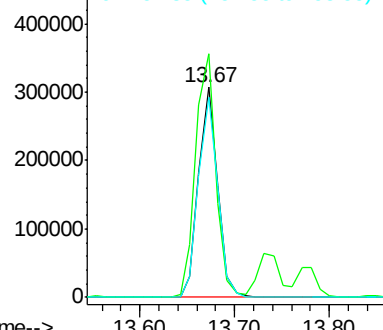
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.626 ug/l

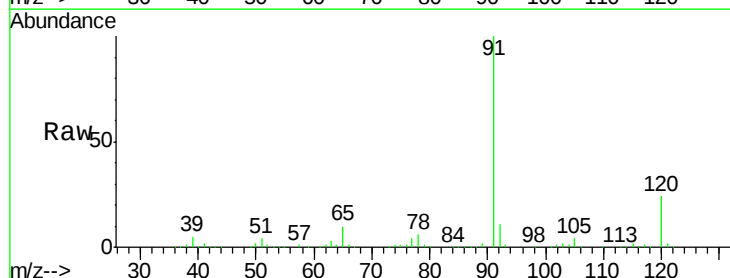
RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061465.D

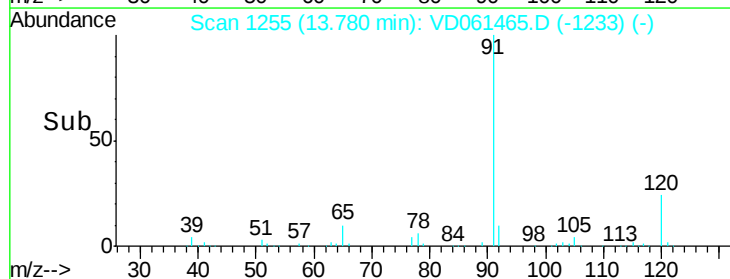
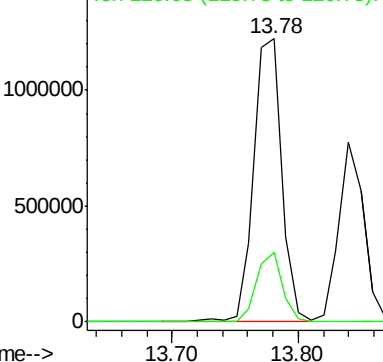
Acq: 1 Apr 2019 13:17

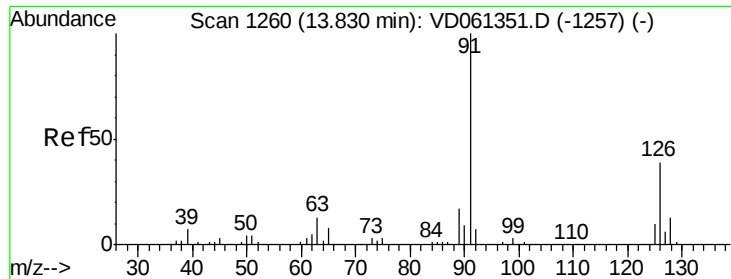
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1894465		
120	24.4	11.8	35.3		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.678 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tot Ion: 91 Resp: 1072960

Ion Ratio Lower Upper

91 100

126 36.9 19.4 58.2

Instrument :

MSVOA_D

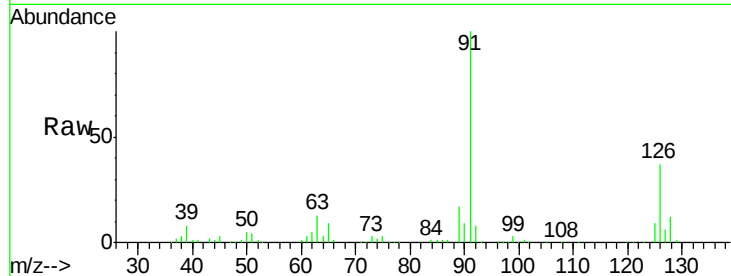
ClientSampleId :

VSTDCCC050

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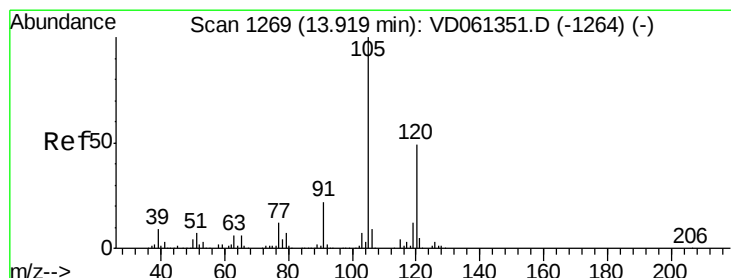
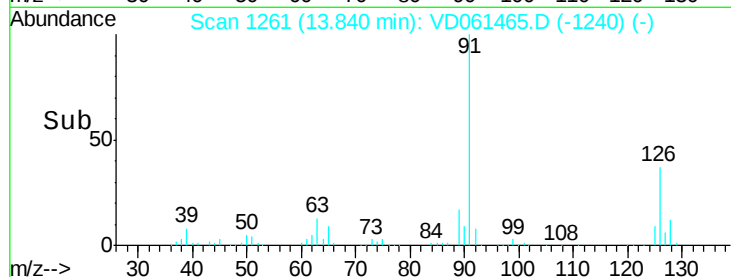
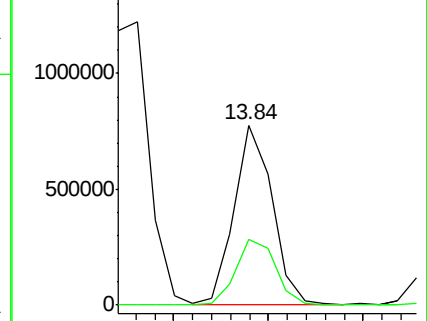
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.269 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061465.D

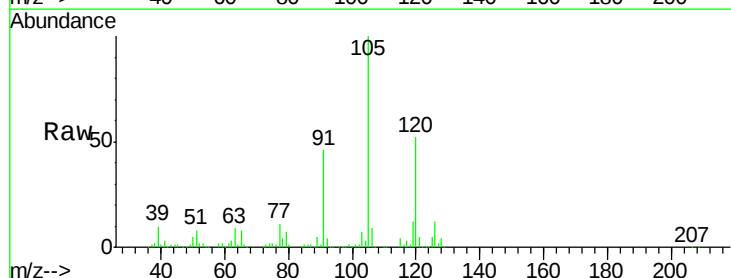
Acq: 1 Apr 2019 13:17

Tgt Ion:105 Resp: 1343437

Ion Ratio Lower Upper

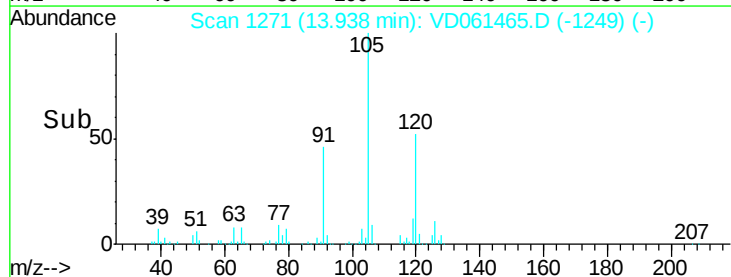
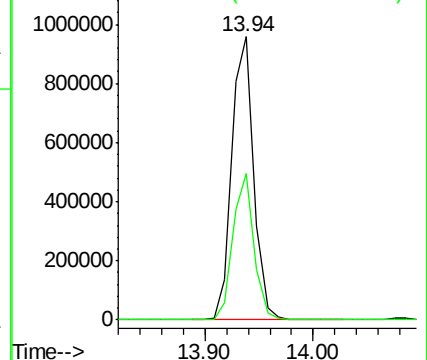
105 100

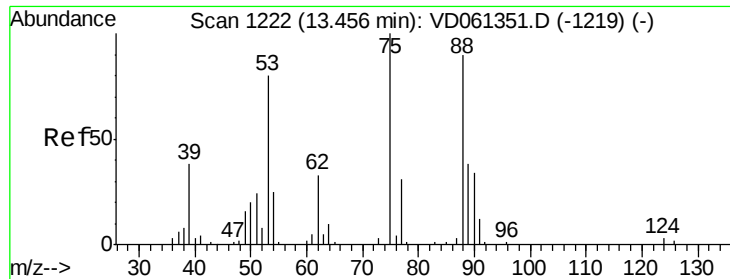
120 51.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.834 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

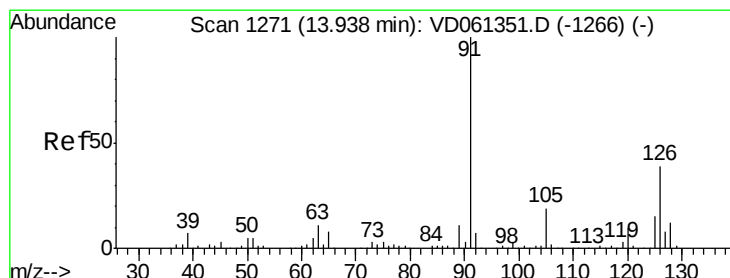
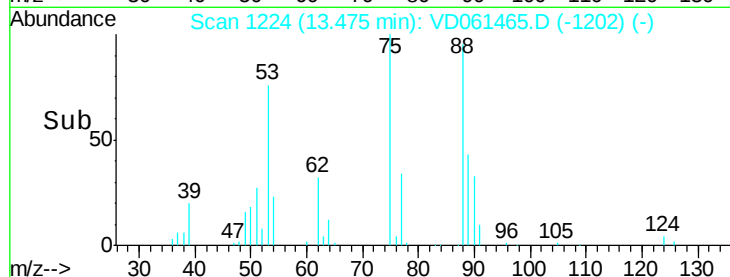
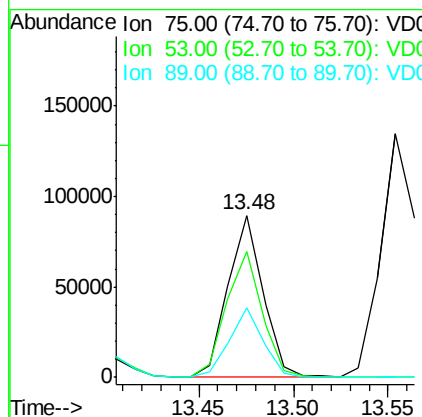
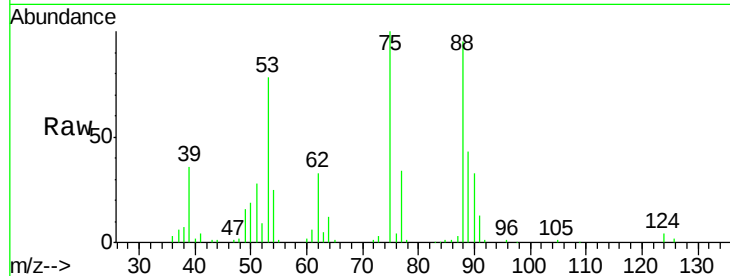
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	114847
Ion Ratio	Lower	Upper	
75	100		
53	78.0	63.8	95.8
89	42.8	30.5	45.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.955 ug/l

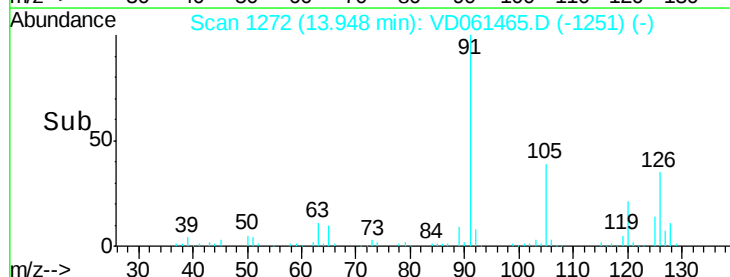
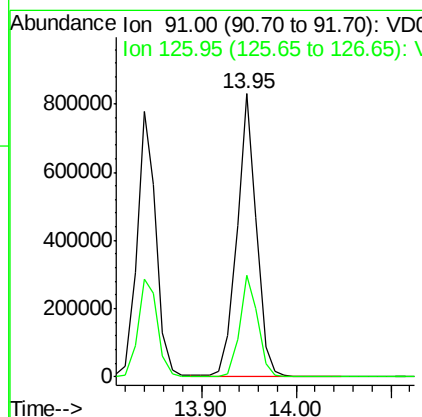
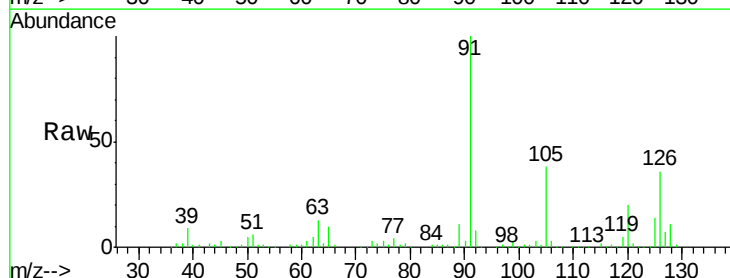
RT: 13.95 min Scan# 1272

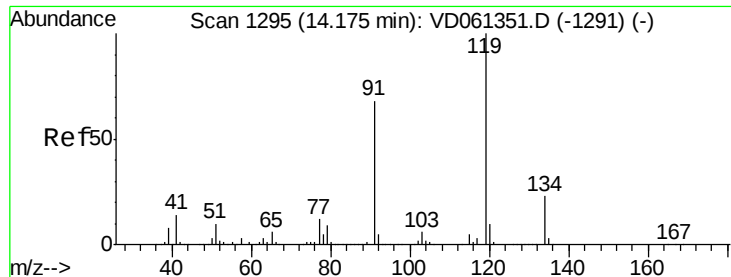
Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion:	91	Resp:	1173174
Ion Ratio	Lower	Upper	
91	100		
126	35.7	19.6	58.8





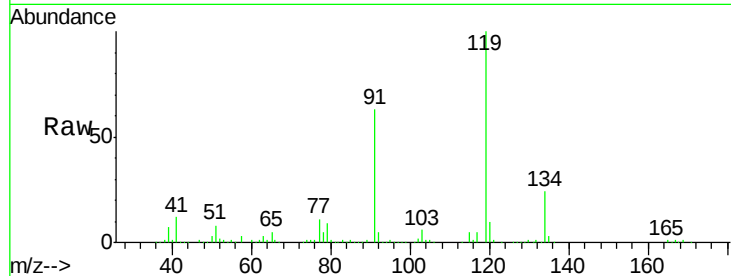
#83
tert-Butylbenzene
Concen: 49.819 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

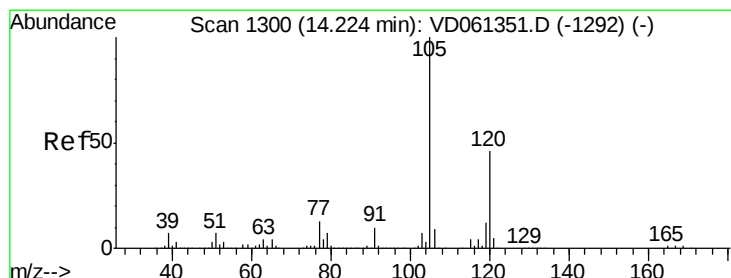
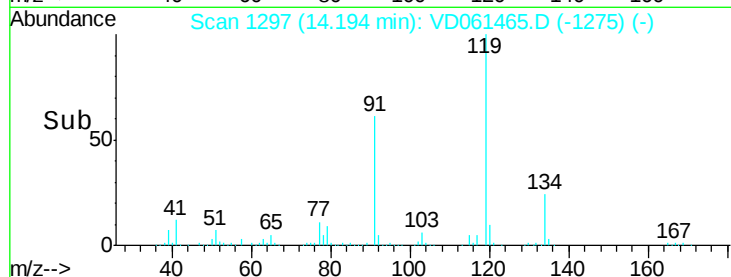
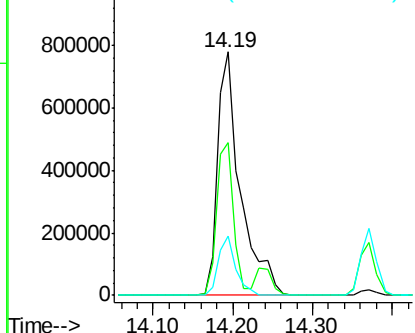
Tot Ion:119 Resp: 1570169
Ion Ratio Lower Upper
119 100
91 62.5 34.1 102.3
134 24.3 11.6 34.8

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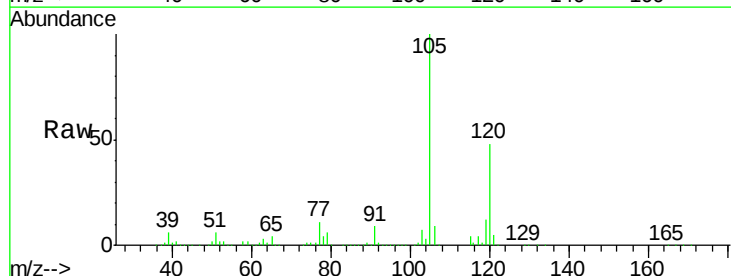


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

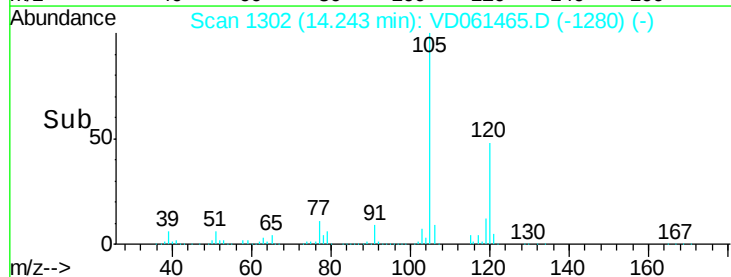
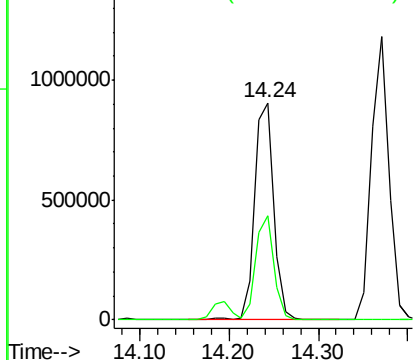


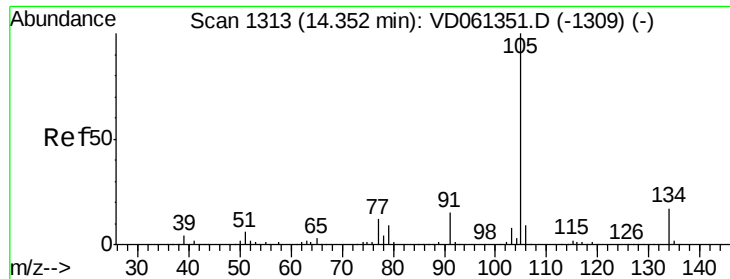
#84
1,2,4-Trimethylbenzene
Concen: 48.542 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:105 Resp: 1325356
Ion Ratio Lower Upper
105 100
120 48.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 47.281 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1583096

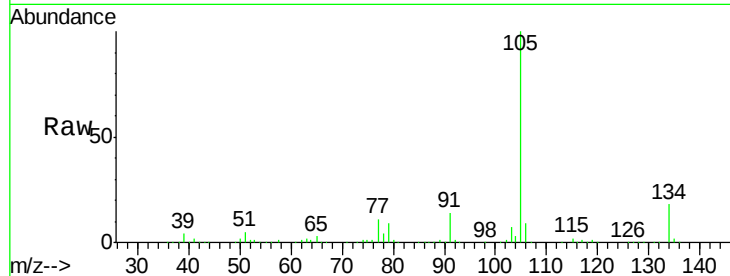
Ion Ratio Lower Upper

105 100

134 18.3 8.7 26.1

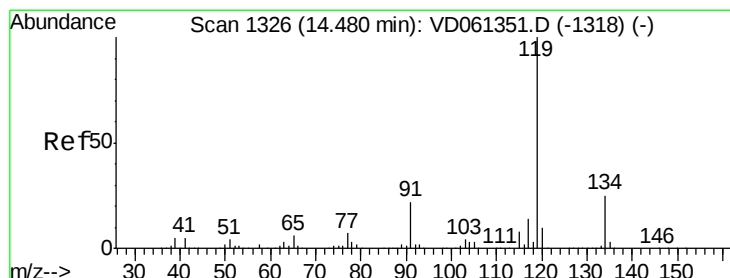
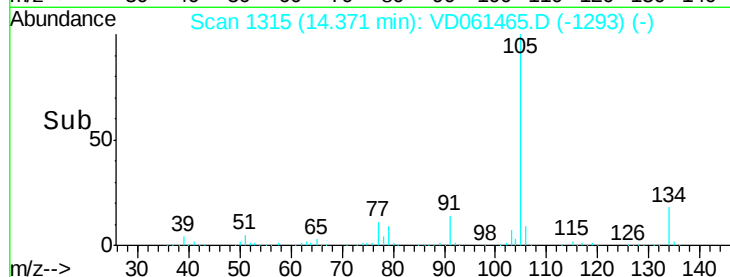
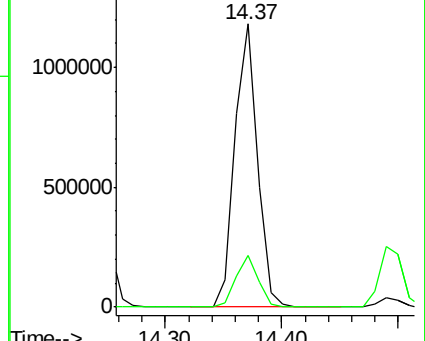
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.812 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

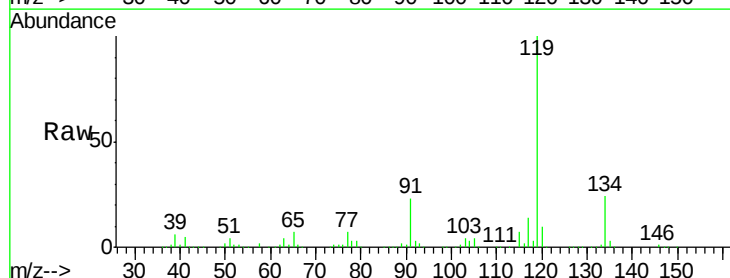
Tgt Ion:119 Resp: 1438638

Ion Ratio Lower Upper

119 100

134 23.7 12.3 36.8

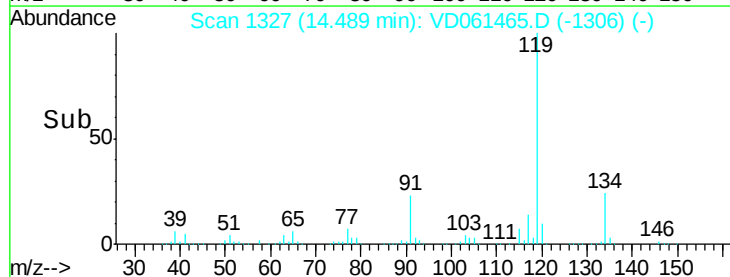
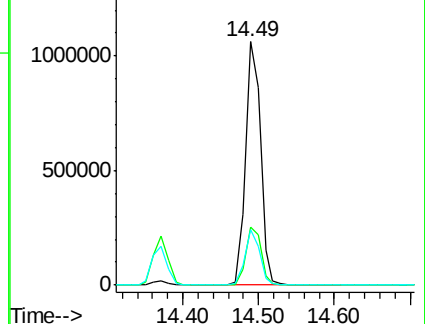
91 22.8 11.1 33.1

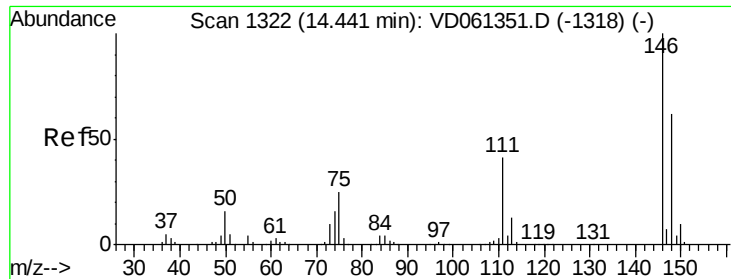


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





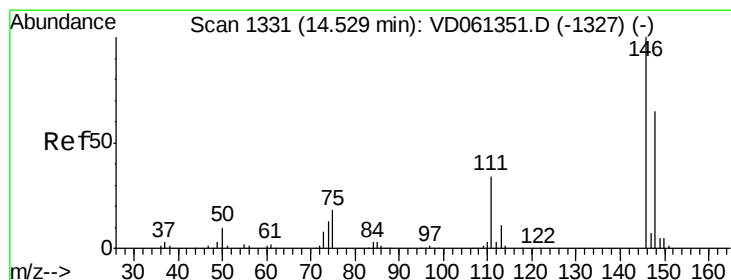
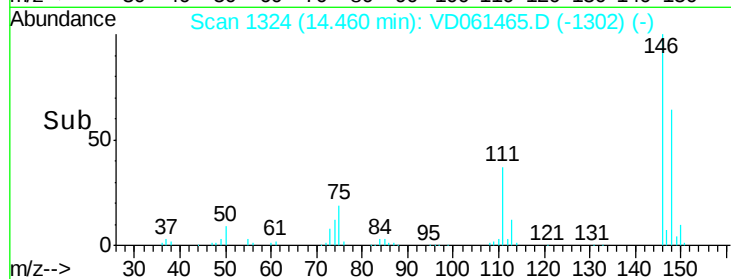
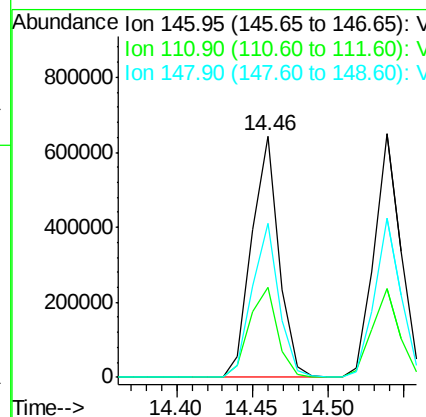
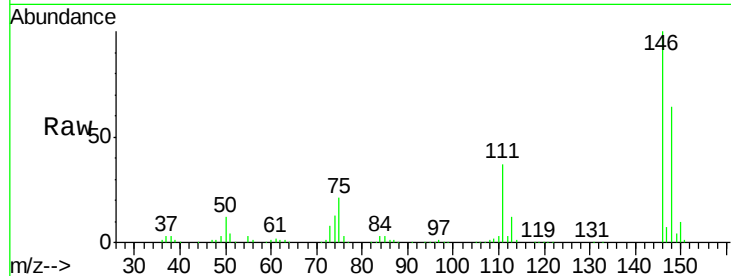
#87
 1,3-Dichlorobenzene
 Concen: 49.448 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.6	61.9
148	63.7	31.1	93.3

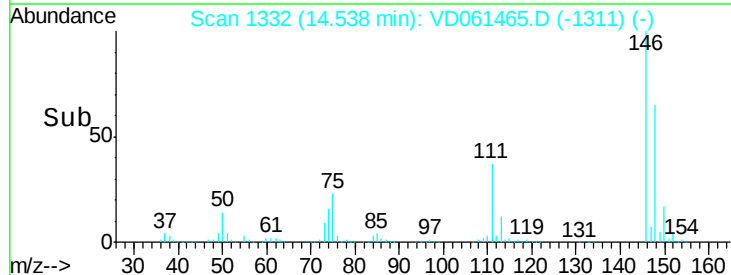
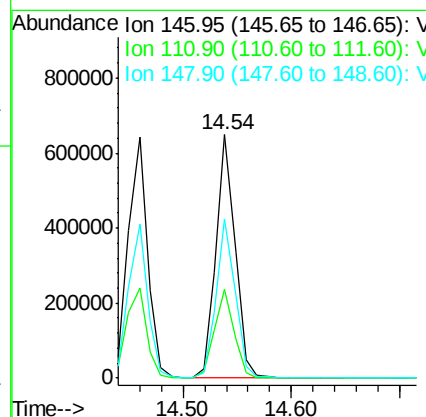
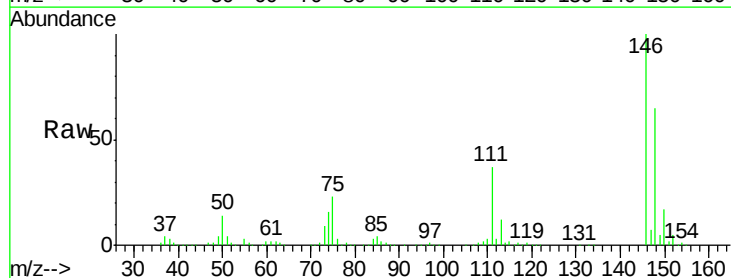
Manual Integrations
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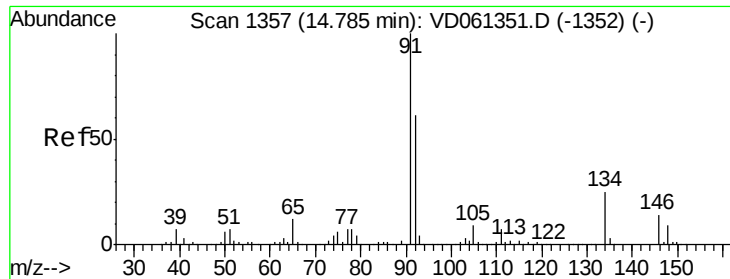
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#88
 1,4-Dichlorobenzene
 Concen: 50.250 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	16.8	50.4
148	65.3	32.6	98.0





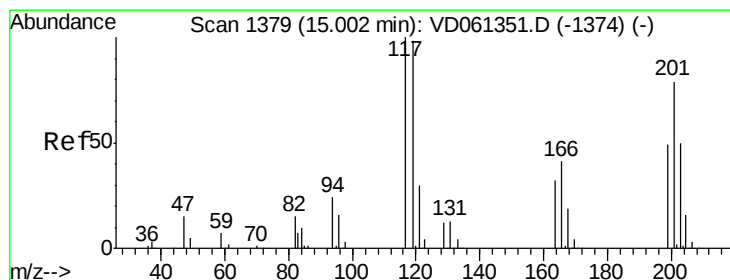
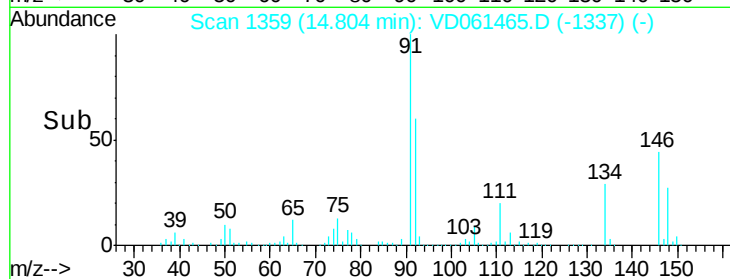
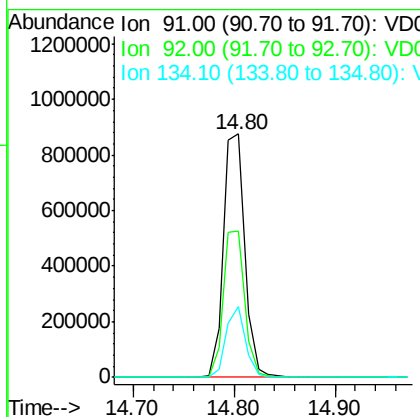
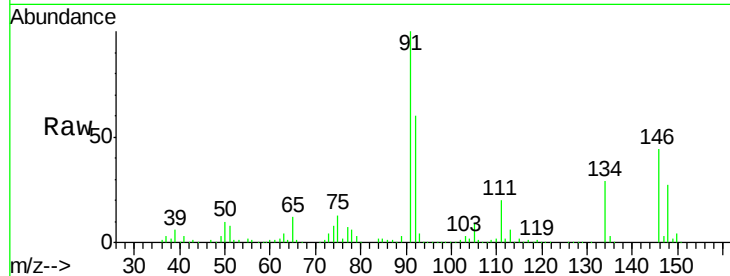
#89
n-Butylbenzene
Concen: 49.746 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1292736
Ion Ratio Lower Upper
91 100
92 60.1 30.3 91.0
134 29.3 12.4 37.0

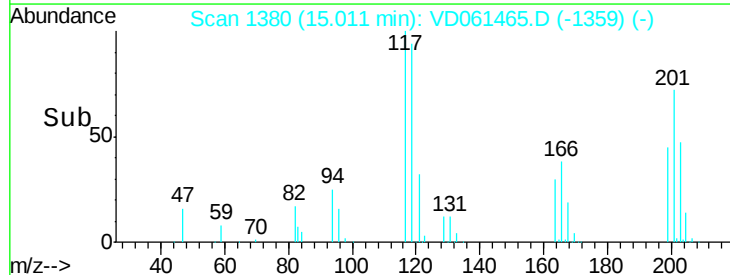
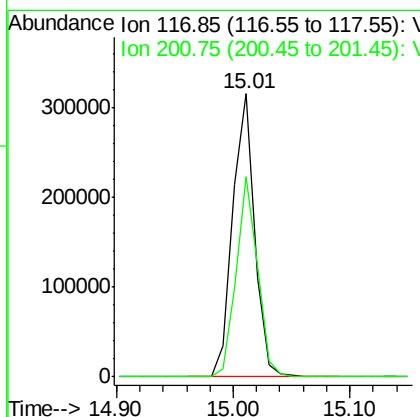
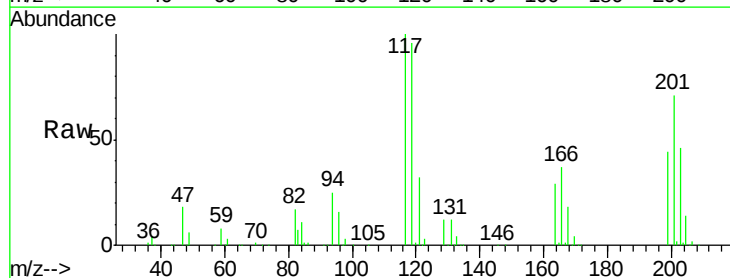
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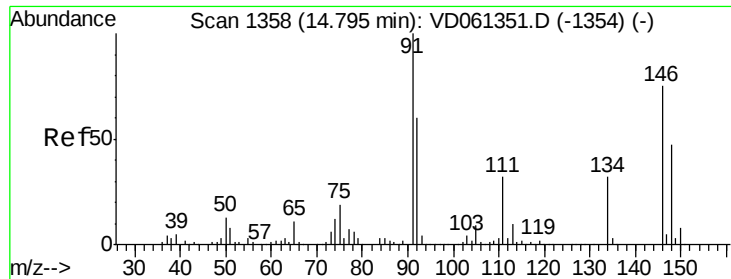
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#90
Hexachloroethane
Concen: 51.459 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 117 Resp: 411599
Ion Ratio Lower Upper
117 100
201 70.5 39.6 119.0





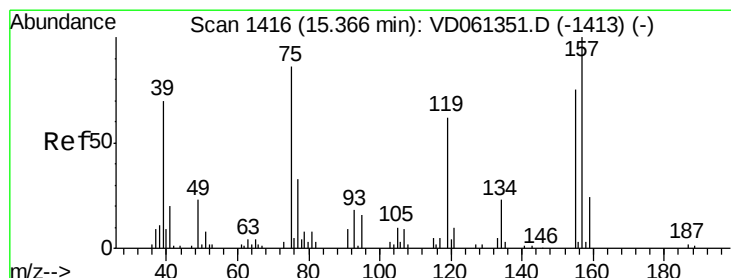
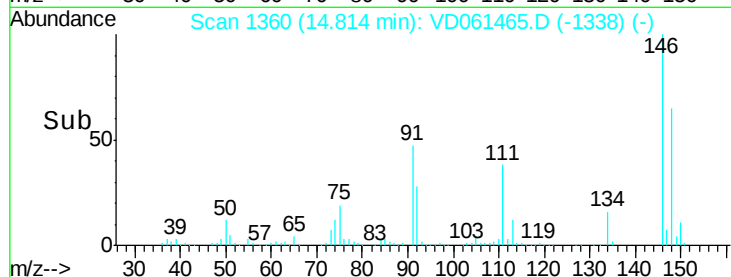
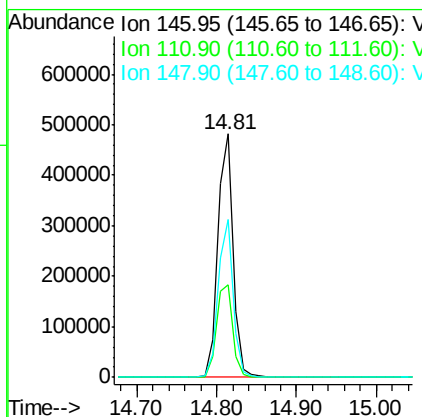
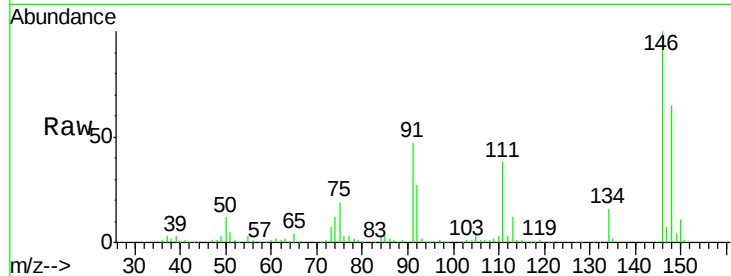
#91
 1,2-Dichlorobenzene
 Concen: 48.779 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.2	63.6
148	64.7	31.6	95.0

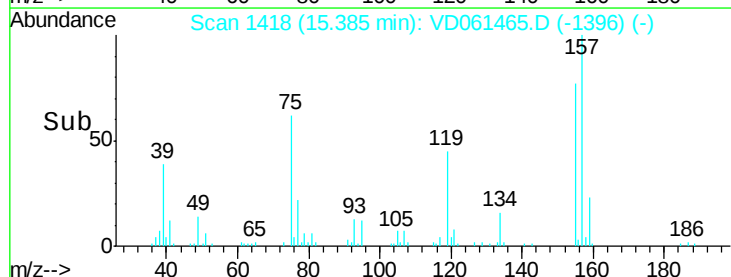
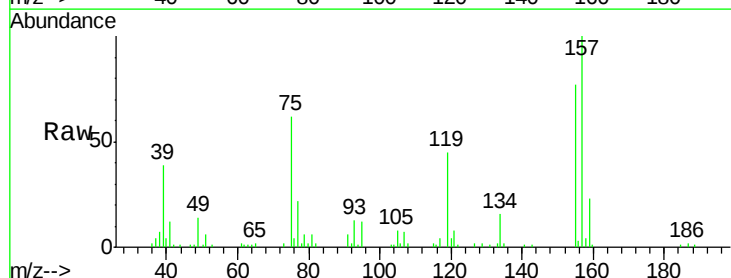
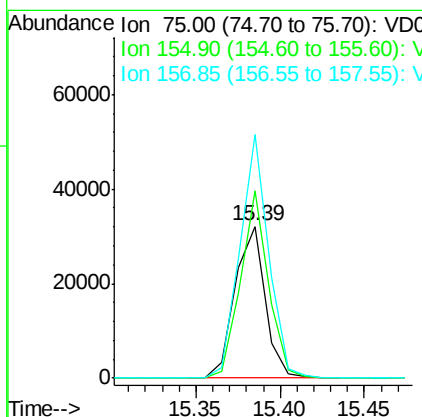
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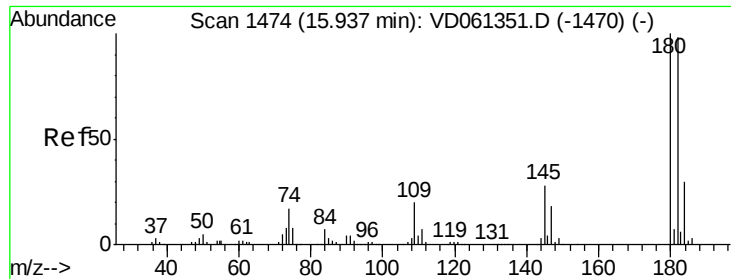
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.806 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	123.6	43.6	130.9
157	160.6	58.5	175.3





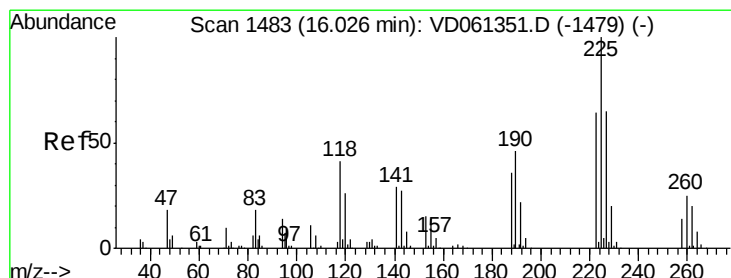
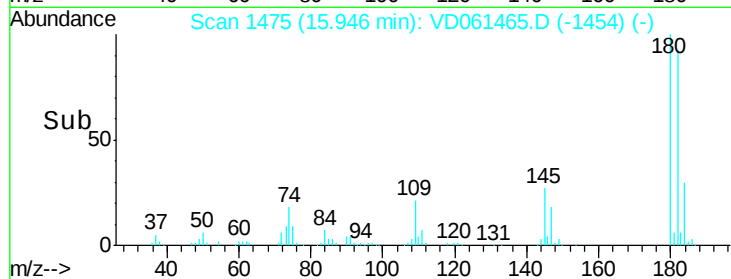
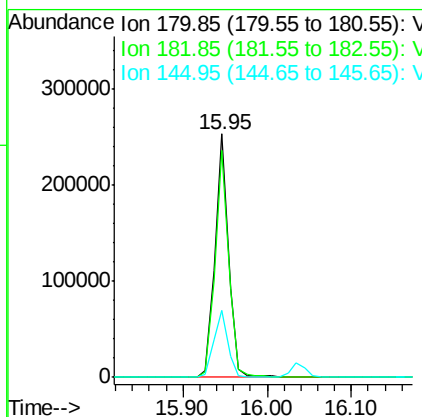
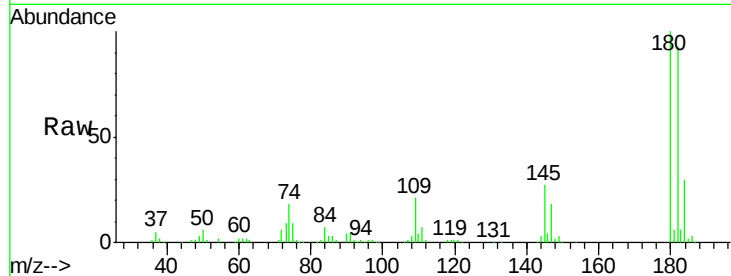
#93
 1,2,4-Trichlorobenzene
 Concen: 46.821 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285479		
182	93.2	48.9	146.8	
145	27.3	14.1	42.3	

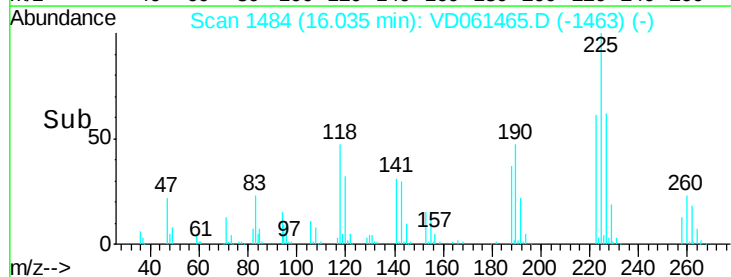
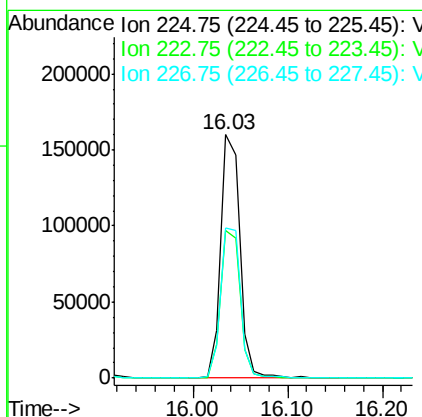
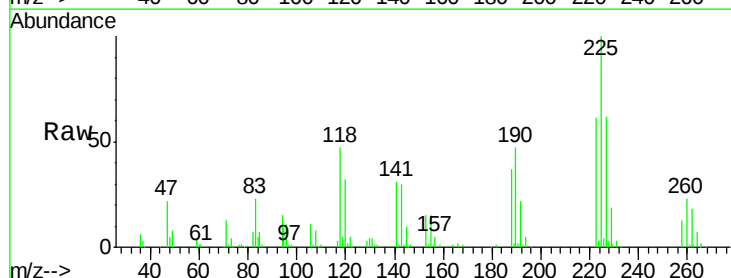
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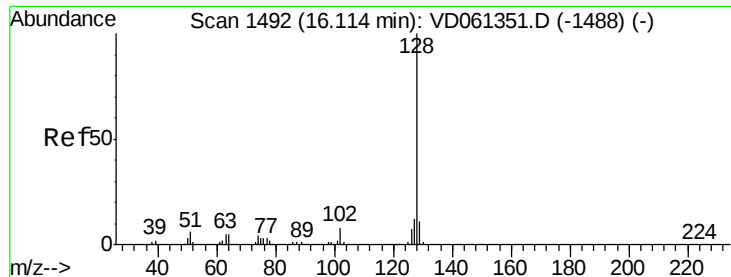
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#94
 Hexachlorobutadiene
 Concen: 47.098 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	224396		
223	60.5	32.0	96.0	
227	61.8	32.4	97.2	





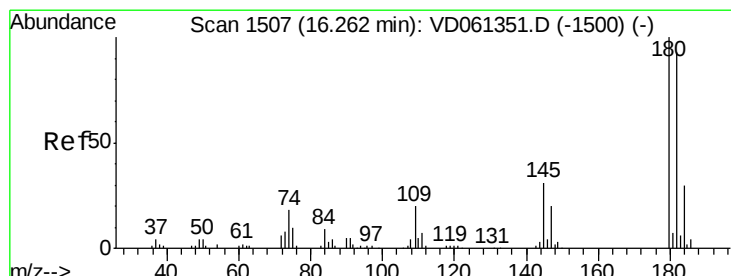
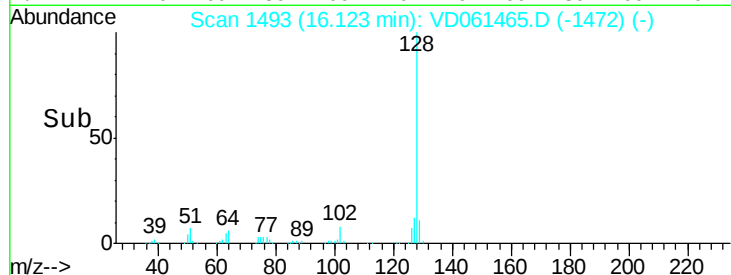
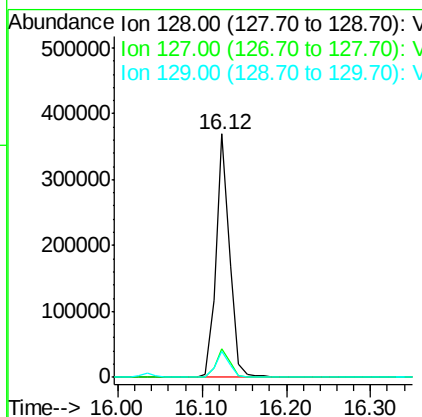
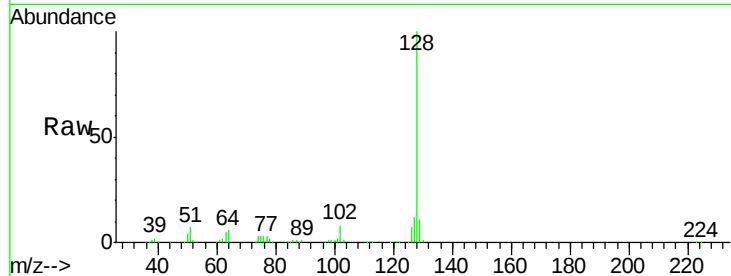
#95
Naphthalene
Concen: 44.199 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.9	14.9
129	10.9	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.767 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.4	139.1
145	31.6	15.3	45.9

