

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061409.D
 Acq On : 29 Mar 2019 00:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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MMDadoda
 4/2/2019 11:31:41 AM

Quant Time: Mar 29 02:17:01 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	7.04	168	648830	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1138600	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	921064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	400814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	270569	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	6.92	113	454038	52.18	ug/l	0.02
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.40	98	1033663	49.53	ug/l	0.02
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	13.55	95	369121	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	315710	45.562	ug/l	98
3) Chloromethane	1.76	50	234615	41.516	ug/l	99
4) Vinyl Chloride	1.86	62	229084	44.150	ug/l	97
5) Bromomethane	2.15	94	53621	52.114	ug/l	93
6) Chloroethane	2.27	64	78769	51.767	ug/l	97
7) Trichlorofluoromethane	2.54	101	356688	47.274	ug/l	96
8) Diethyl Ether	2.87	74	108507	44.666	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	372710	45.947	ug/l	97
10) Methyl Iodide	3.31	142	547264	44.768	ug/l	99
11) Tert butyl alcohol	4.05	59	83324	241.397	ug/l	99
12) 1,1-Dichloroethene	3.13	96	321365	46.145	ug/l	97
13) Acrolein	3.03	56	49430	181.691	ug/l	93
14) Allyl chloride	3.62	41	457957	47.146	ug/l	95
15) Acrylonitrile	4.18	53	276117	230.476	ug/l	96
16) Acetone	3.22	43	272626	191.342	ug/l	95
17) Carbon Disulfide	3.38	76	959522	42.405	ug/l	99
18) Methyl Acetate	3.64	43	141313	47.172	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	549487	45.581	ug/l	99
20) Methylene Chloride	3.82	84	387818	48.532	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	334690	44.513	ug/l	98
22) Diisopropyl ether	5.12	45	987311	48.032	ug/l	97
23) Vinyl Acetate	5.05	43	2619871	234.637	ug/l	97
24) 1,1-Dichloroethane	4.98	63	597933	49.497	ug/l	99
25) 2-Butanone	6.06	43	399124	222.690	ug/l	98
26) 2,2-Dichloropropane	6.02	77	419861	43.721	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	391511	47.525	ug/l	100
28) Bromochloromethane	6.43	49	278905	57.195	ug/l #	99
29) Tetrahydrofuran	6.45	42	222628	256.274	ug/l	98
30) Chloroform	6.65	83	605837	48.536	ug/l	99
31) Cyclohexane	6.95	56	454359	47.596	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	528358	47.980	ug/l	98
36) 1,1-Dichloropropene	7.14	75	407332	40.990	ug/l	97
37) Ethyl Acetate	6.17	43	200297	47.129	ug/l	97
38) Carbon Tetrachloride	7.11	117	485725m	42.536	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	469911	45.403	ug/l	96
40) Benzene	7.45	78	1032207	41.387	ug/l	97
41) Methacrylonitrile	6.43	41	247369	49.780	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	349719	46.878	ug/l	99
43) Isopropyl Acetate	9.23	43	290521	46.982	ug/l #	97
44) Trichloroethene	8.53	130	399268	43.018	ug/l	95
45) 1,2-Dichloropropane	8.93	63	293188	46.360	ug/l	99
46) Dibromomethane	9.06	93	200666	47.142	ug/l	96
47) Bromodichloromethane	9.36	83	452208	47.333	ug/l	96
48) Methyl methacrylate	9.11	41	157423	46.129	ug/l	97
49) 1,4-Dioxane	9.08	88	36859	979.208	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	871648	231.692	ug/l	98
52) Toluene	10.50	92	690583	45.387	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	381637	43.967	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496808	47.005	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	227507	42.755	ug/l	99
56) Ethyl methacrylate	11.03	69	274876	48.086	ug/l	99
57) 1,3-Dichloropropane	11.40	76	378275	48.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	690662	248.098	ug/l	99
59) 2-Hexanone	11.53	43	646617	237.226	ug/l	99
60) Dibromochloromethane	11.67	129	376033	45.840	ug/l	100
61) 1,2-Dibromoethane	11.79	107	289415	46.971	ug/l	99
64) Tetrachloroethene	11.25	164	318379	44.044	ug/l	98
65) Chlorobenzene	12.39	112	871936	46.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	331716	45.514	ug/l	98
67) Ethyl Benzene	12.52	91	1266148	44.068	ug/l	98
68) m/p-Xylenes	12.66	106	977060	89.773	ug/l	95
69) o-Xylene	13.04	106	504399	47.757	ug/l	99
70) Styrene	13.06	104	879446	47.767	ug/l	97
71) Bromoform	13.23	173	207582	44.930	ug/l	98
73) Isopropylbenzene	13.40	105	1240581	44.471	ug/l	99
74) N-amyl acetate	13.26	43	358909	46.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	263759	44.821	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	268808	46.427	ug/l	100
77) Bromobenzene	13.66	156	385989	46.673	ug/l	91
78) n-propylbenzene	13.77	91	1533319	44.915	ug/l	100
79) 2-Chlorotoluene	13.84	91	791235	42.686	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1028322	47.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	84238	47.718	ug/l	93
82) 4-Chlorotoluene	13.94	91	973840	48.317	ug/l	91
83) tert-Butylbenzene	14.18	119	1236425	45.710	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1029032	43.914	ug/l	98
85) sec-Butylbenzene	14.36	105	1268844	44.156	ug/l	99
86) p-Isopropyltoluene	14.49	119	1108784	45.631	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	629867	44.976	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	615106	45.039	ug/l	95
89) n-Butylbenzene	14.79	91	972218	43.592	ug/l	98
90) Hexachloroethane	15.00	117	337913	49.225	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	507166	44.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29797	43.172	ug/l	79

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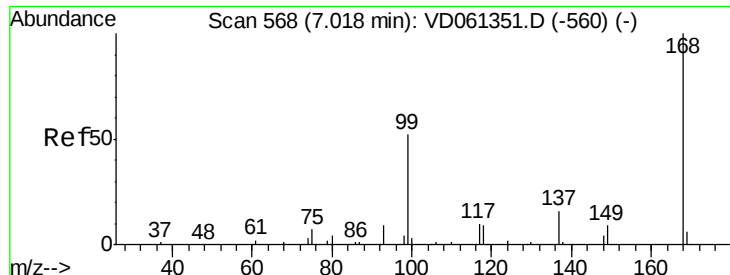
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	253049	48.358	ug/l	95
94) Hexachlorobutadiene	16.03	225	198159	48.461	ug/l	98
95) Naphthalene	16.11	128	431123	54.051	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	141738	61.554	ug/l	94

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



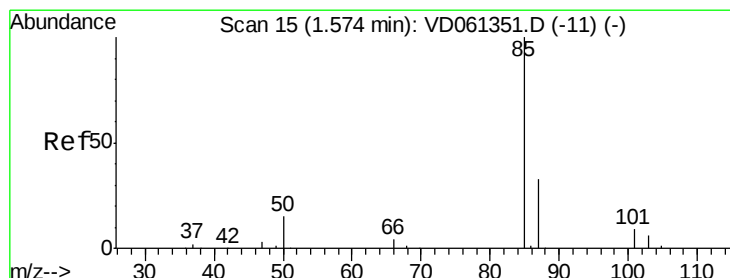
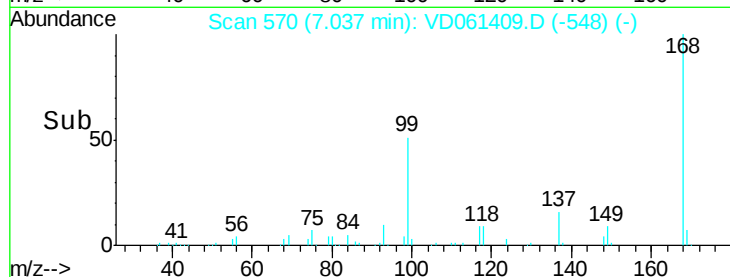
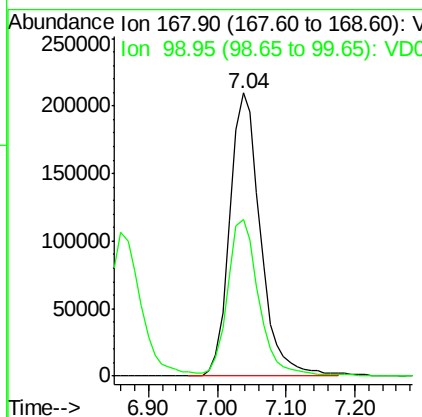
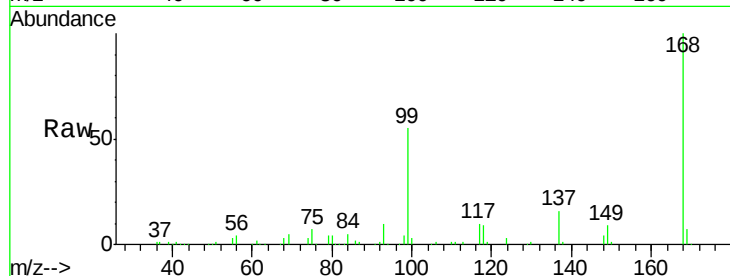
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 648830
Ion Ratio Lower Upper
168 100
99 55.4 43.1 64.7

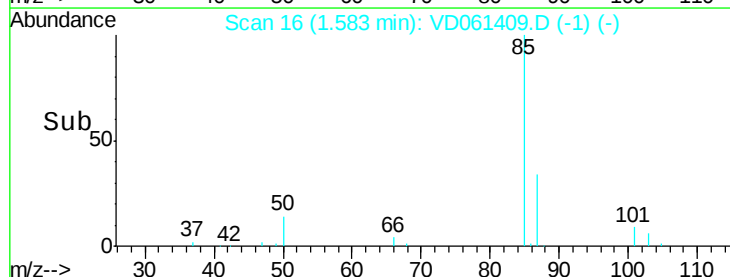
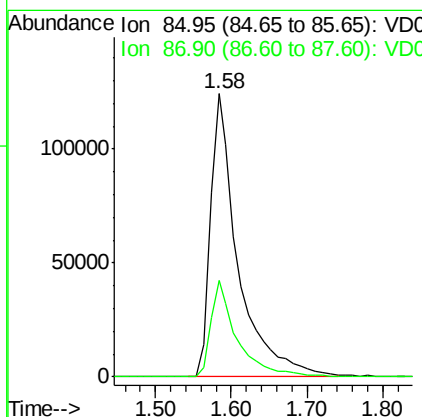
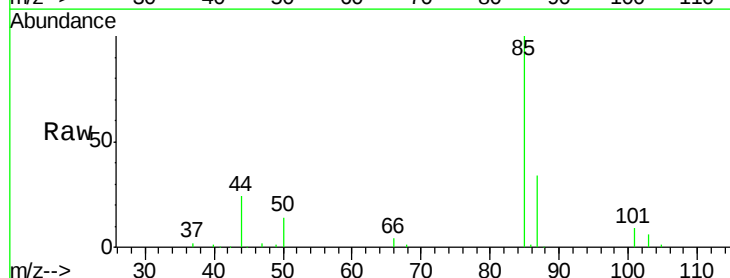
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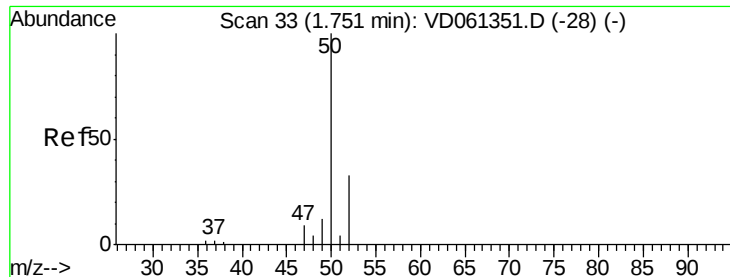
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#2
Dichlorodifluoromethane
Concen: 45.562 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 85 Resp: 315710
Ion Ratio Lower Upper
85 100
87 34.2 16.6 49.7





#3

Chloromethane

Concen: 41.516 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234615

Ion Ratio Lower Upper

50 100

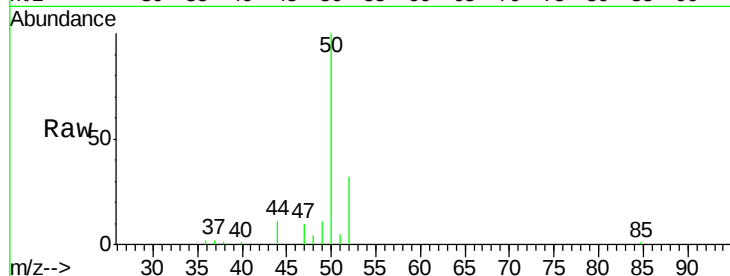
52 32.2 26.1 39.1

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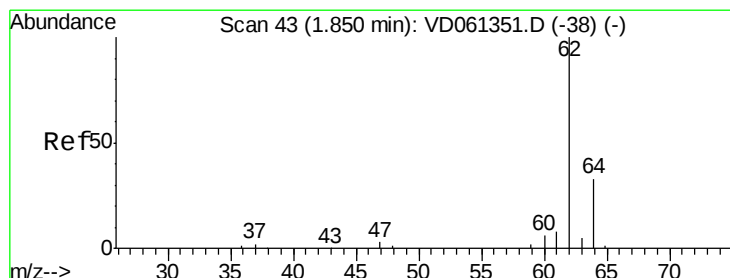
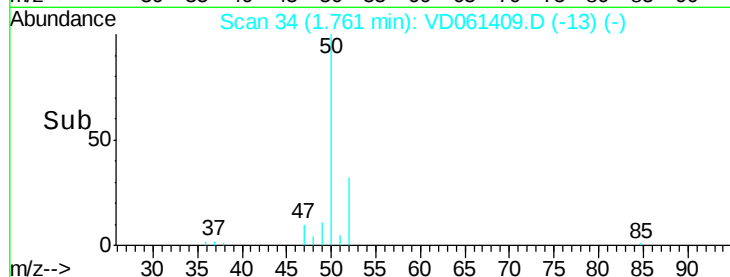
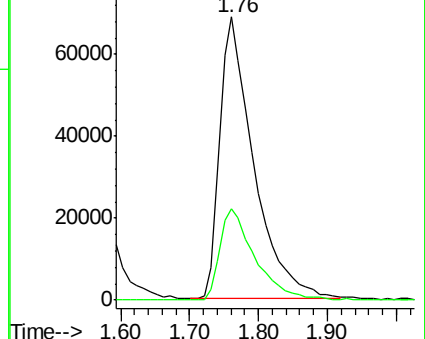
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.150 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061409.D

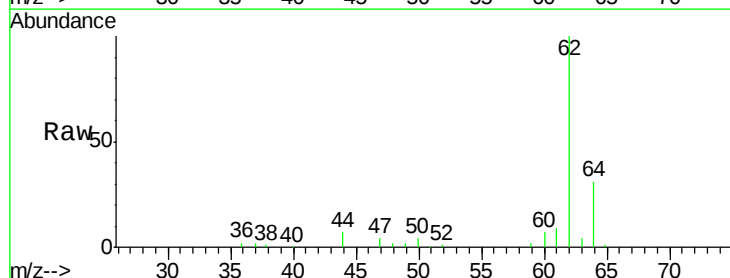
Acq: 29 Mar 2019 00:09

Tgt Ion: 62 Resp: 229084

Ion Ratio Lower Upper

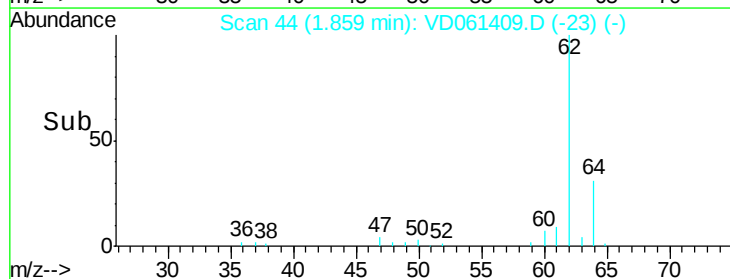
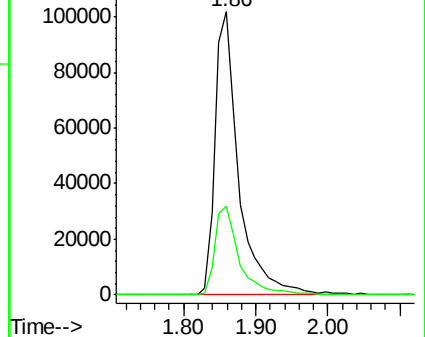
62 100

64 31.3 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: 52.114 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

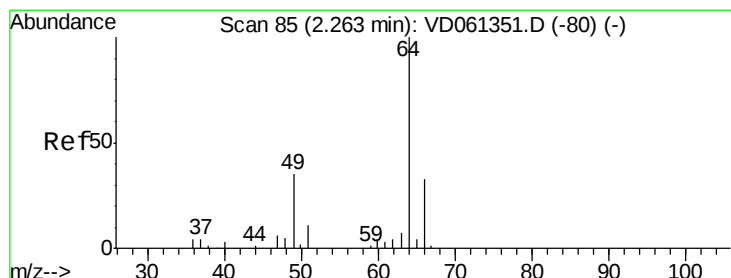
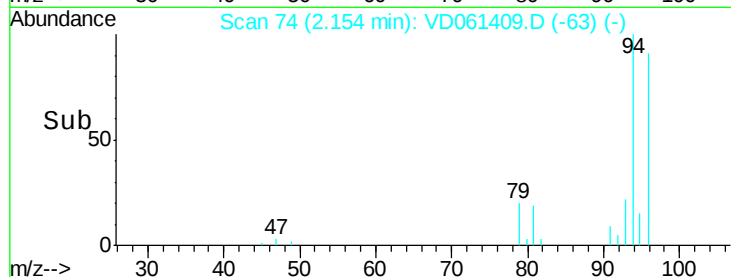
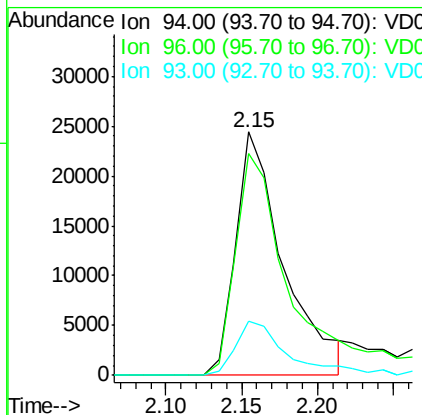
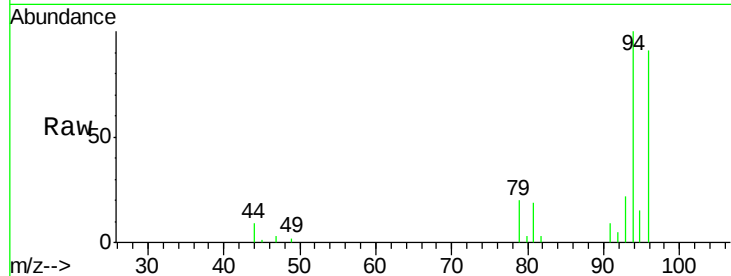
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	53621
Ion	Ratio	Lower	Upper
94	100		
96	91.0	78.3	117.5
93	22.4	15.6	23.4

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#6

Chloroethane

Concen: 51.767 ug/l

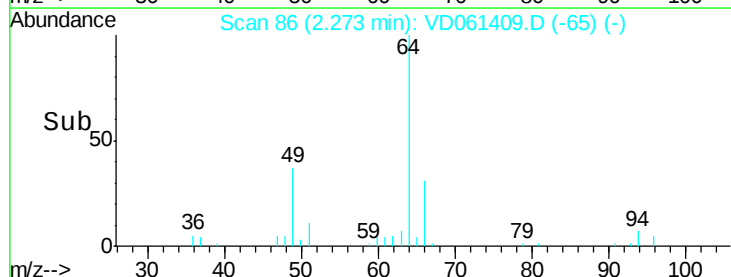
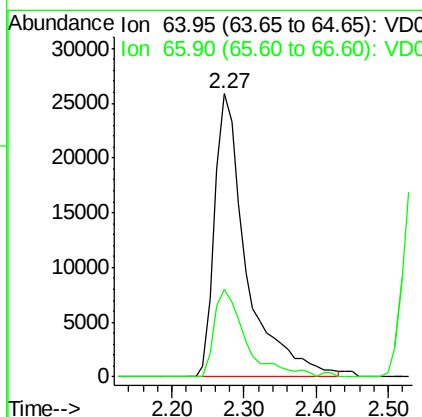
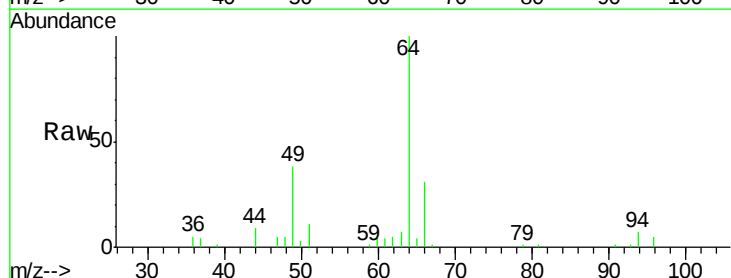
RT: 2.27 min Scan# 86

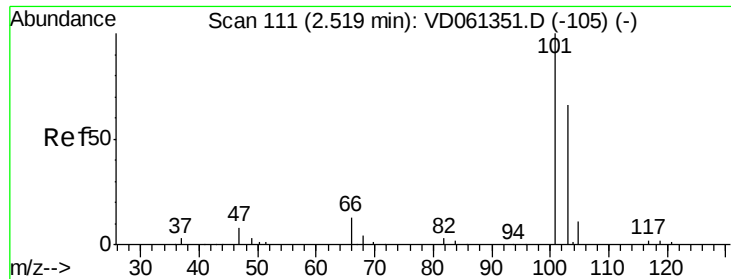
Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	64	Resp:	78769
Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.2





#7

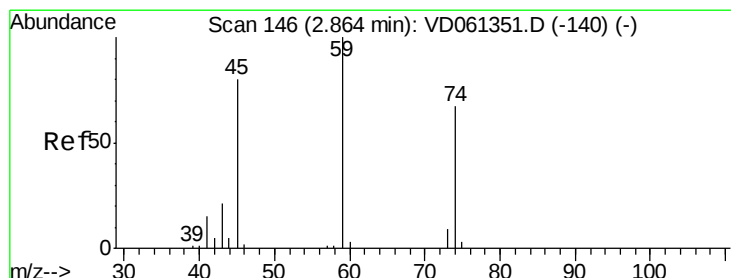
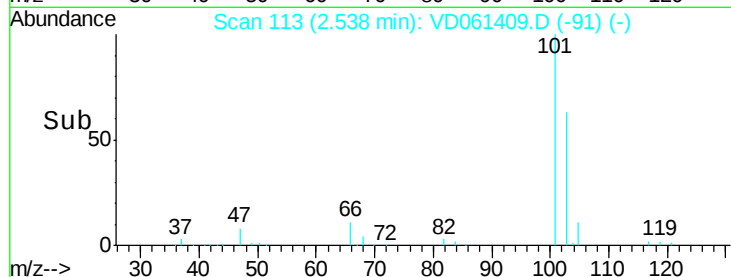
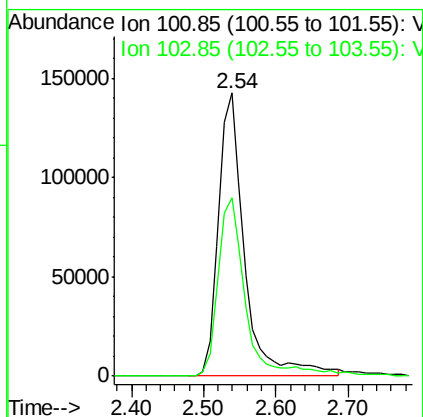
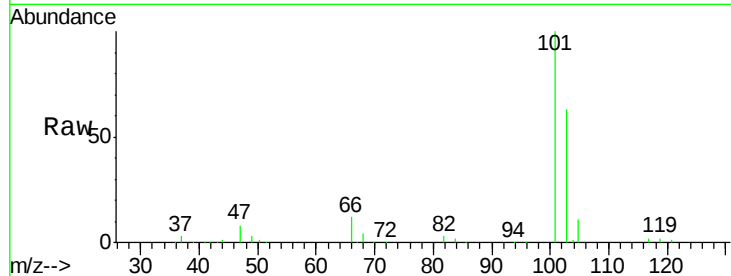
Trichlorofluoromethane
Concen: 47.274 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 356688
Ion Ratio Lower Upper
101 100
103 63.2 53.1 79.7

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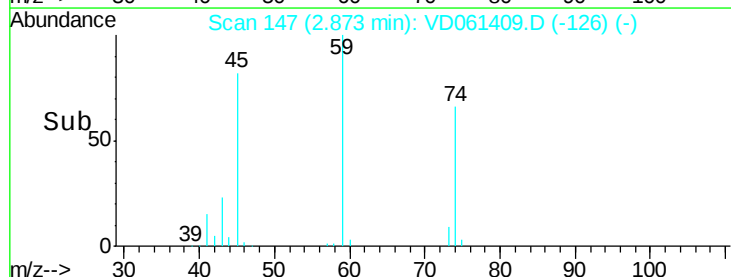
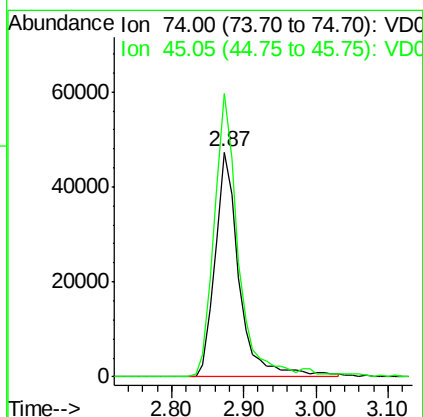
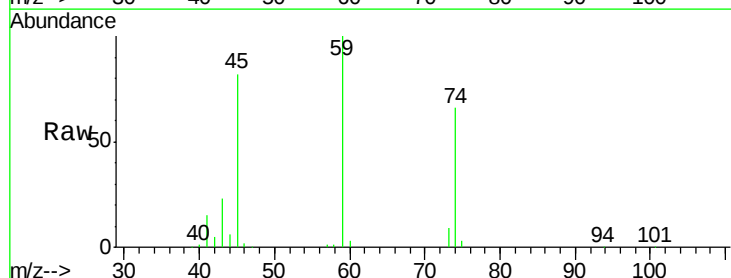
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#8

Diethyl Ether
Concen: 44.666 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 74 Resp: 108507
Ion Ratio Lower Upper
74 100
45 125.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.947 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

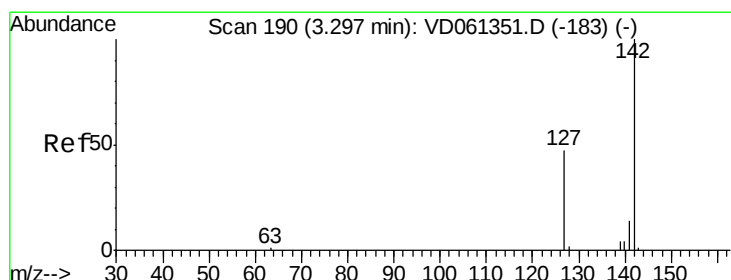
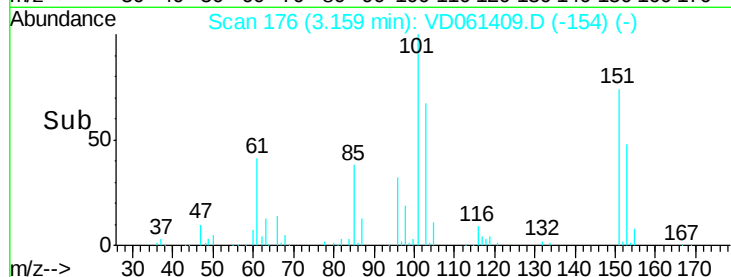
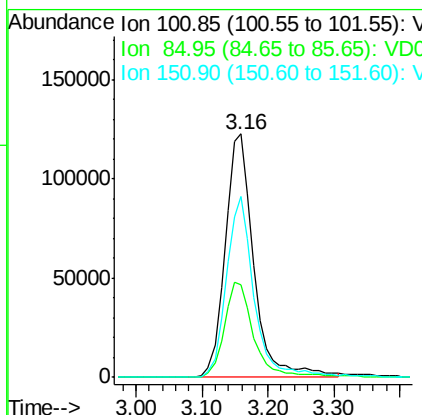
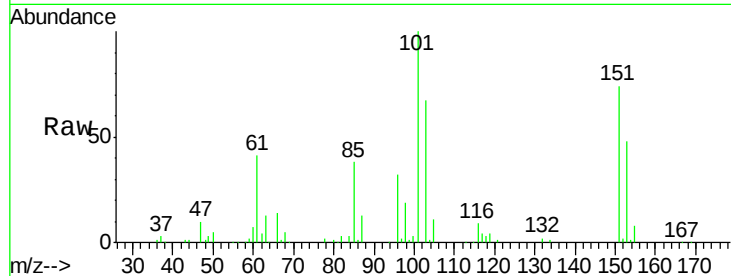
ClientSampleId :

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Tot Ion:	101	Resp:	372710
Ion Ratio	Lower	Upper	
101	100		
85	38.2	29.4	44.0
151	74.1	57.0	85.4

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#10

Methyl Iodide

Concen: 44.768 ug/l

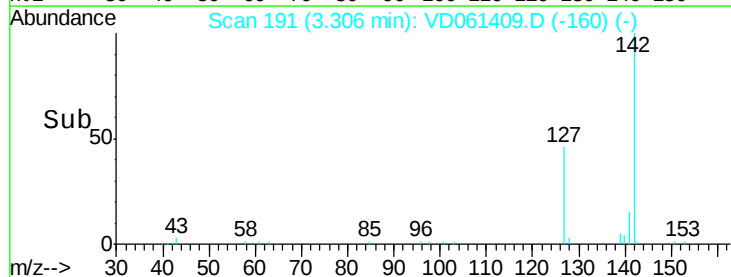
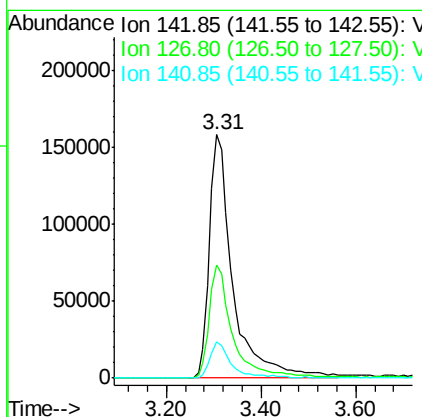
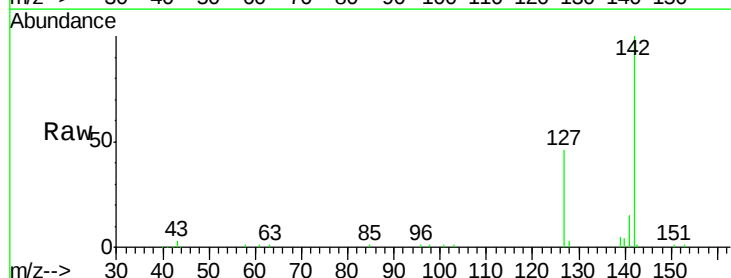
RT: 3.31 min Scan# 191

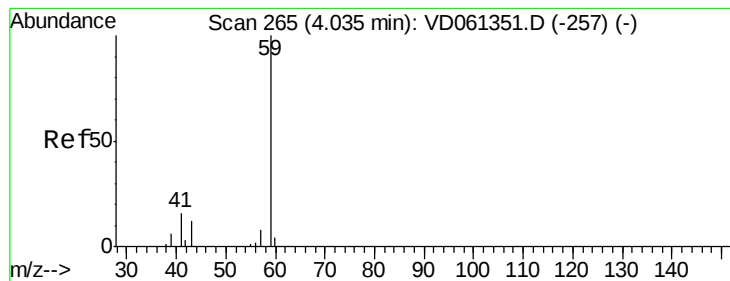
Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	142	Resp:	547264
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.7	56.5
141	14.7	11.5	17.3





#11

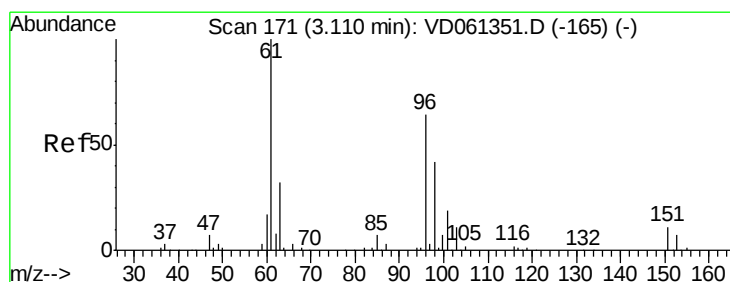
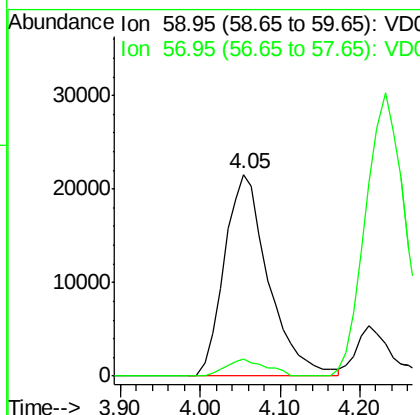
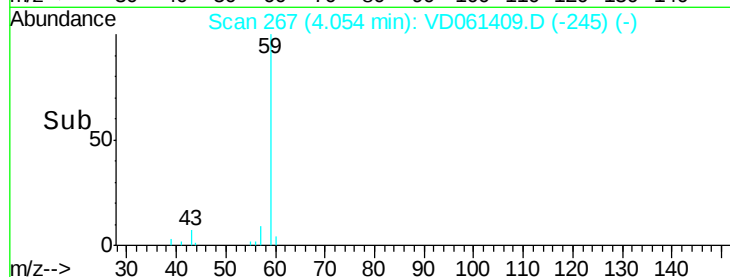
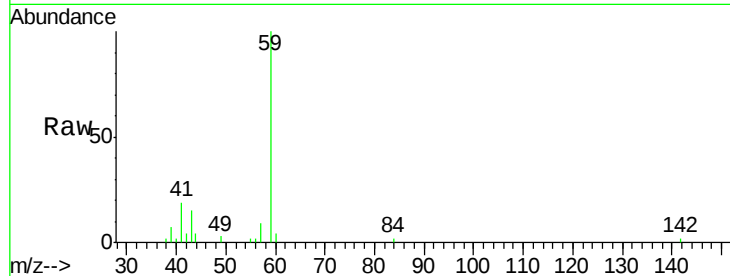
Tert butyl alcohol
Concen: 241.397 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 83324
Ion Ratio Lower Upper
59 100
57 8.6 6.7 10.1

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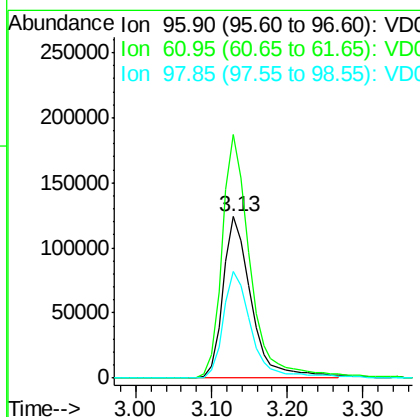
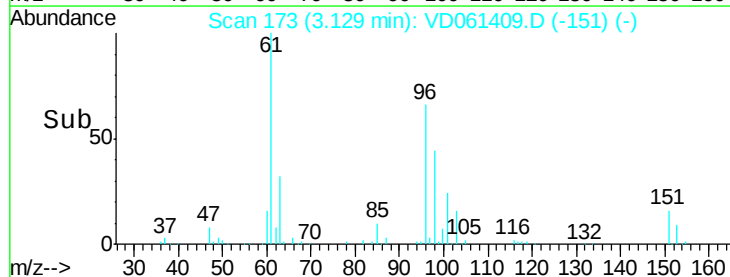
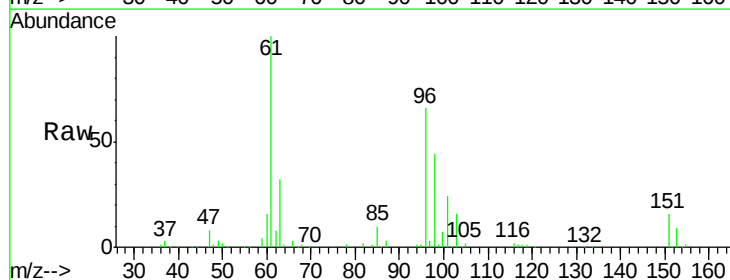
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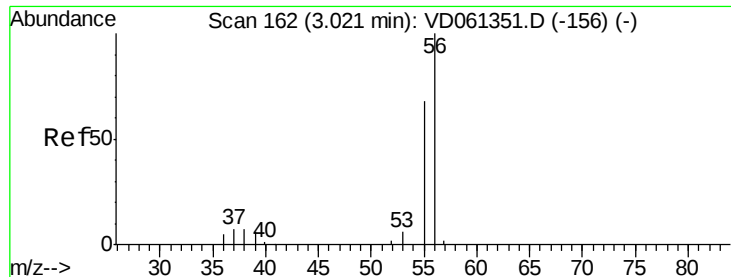


#12

1,1-Dichloroethene
Concen: 46.145 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 96 Resp: 321365
Ion Ratio Lower Upper
96 100
61 151.2 124.9 187.3
98 65.9 52.5 78.7





#13

Acrolein

Concen: 181.691 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 49430

Ion Ratio Lower Upper

56 100

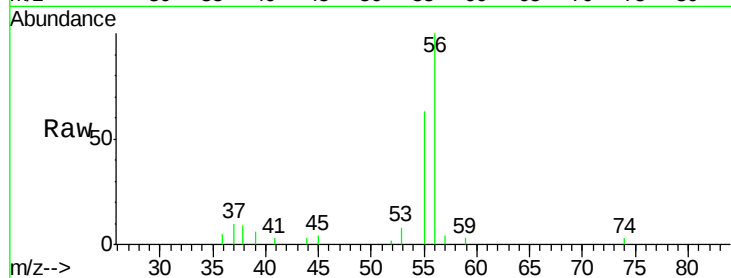
55 62.8 54.6 82.0

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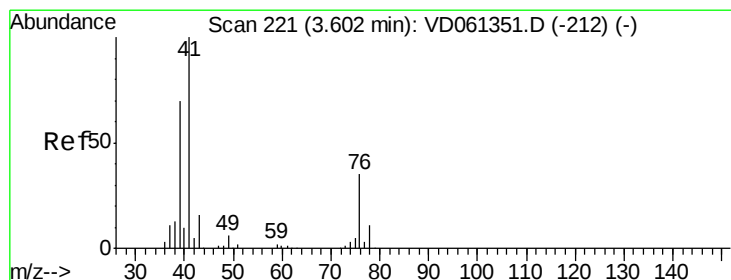
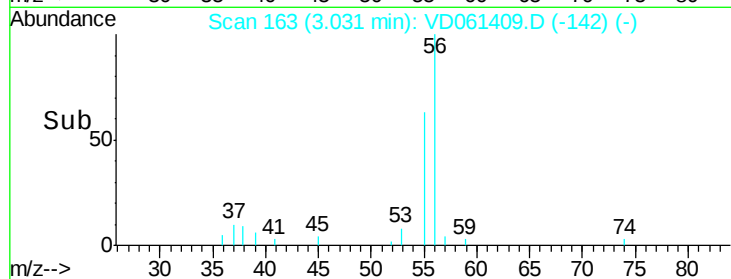
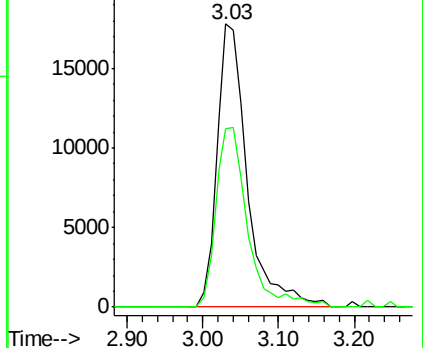
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.146 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

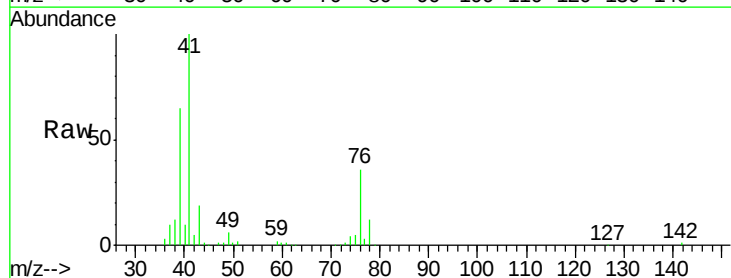
Tgt Ion: 41 Resp: 457957

Ion Ratio Lower Upper

41 100

39 65.2 55.6 83.4

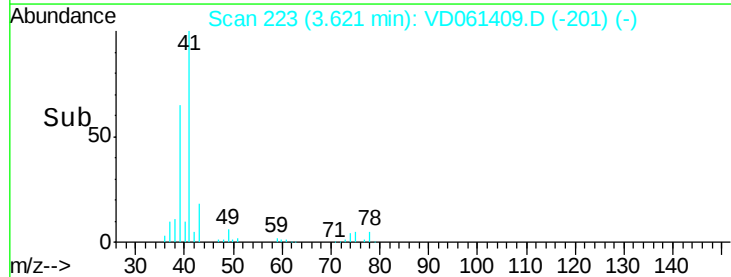
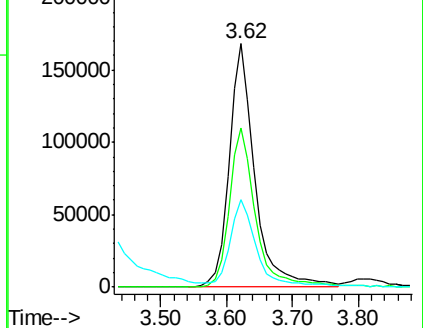
76 36.2 31.0 46.6



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: 230.476 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tot Ion:	53	Resp:	276117
Ion	Ratio	Lower	Upper
53	100		
52	85.3	64.8	97.2
51	38.7	31.4	47.2

Instrument :

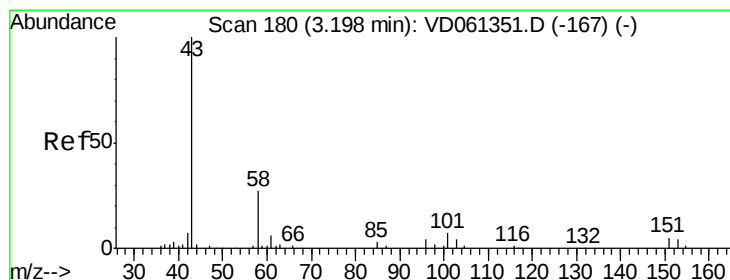
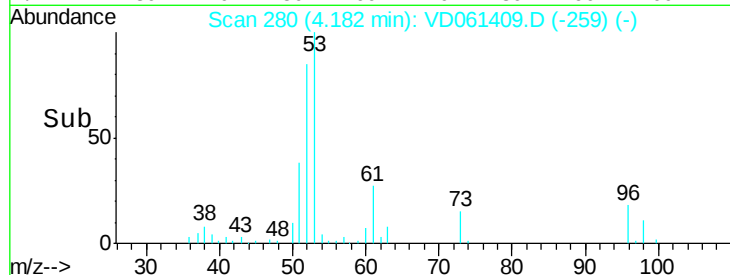
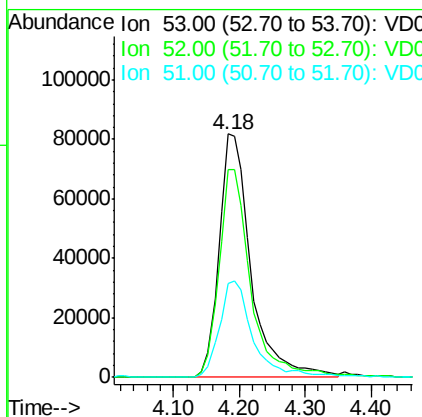
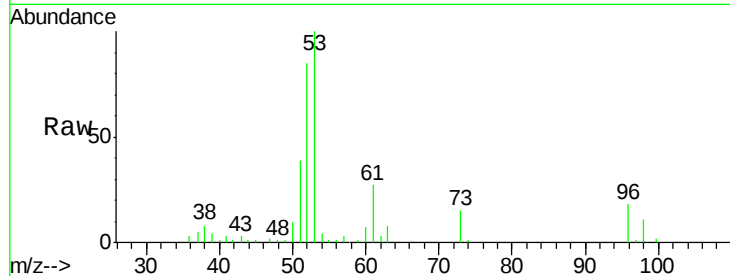
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#16

Acetone

Concen: 191.342 ug/l

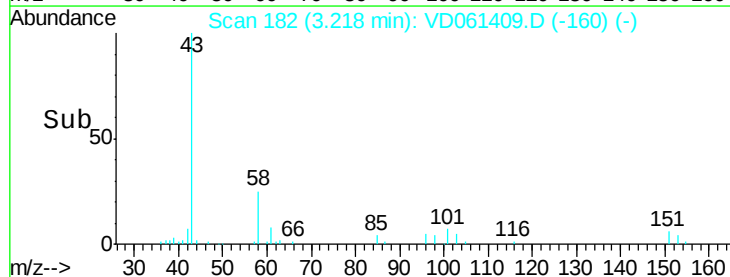
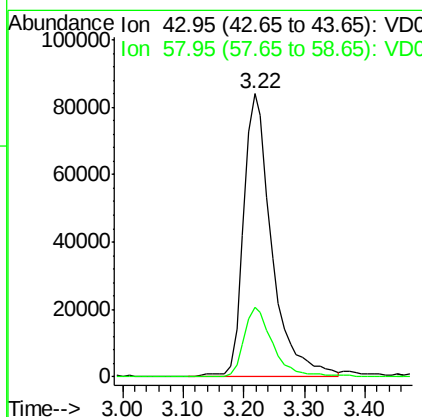
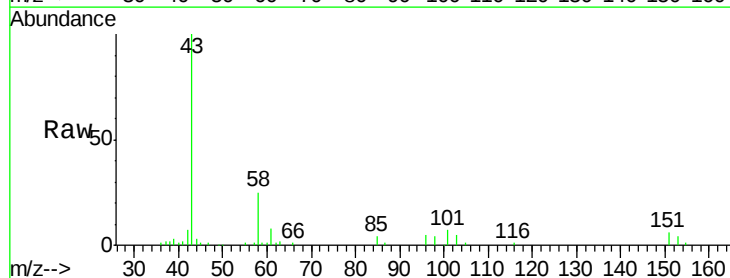
RT: 3.22 min Scan# 182

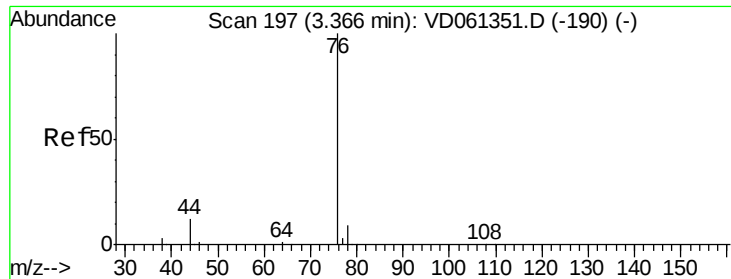
Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	43	Resp:	272626
Ion	Ratio	Lower	Upper
43	100		
58	24.6	21.5	32.3





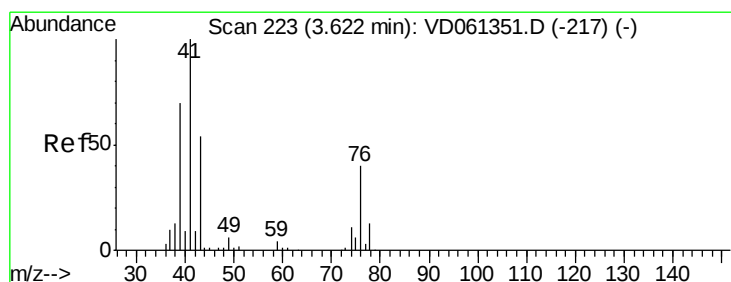
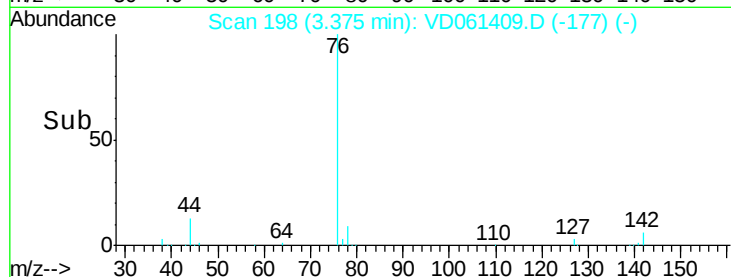
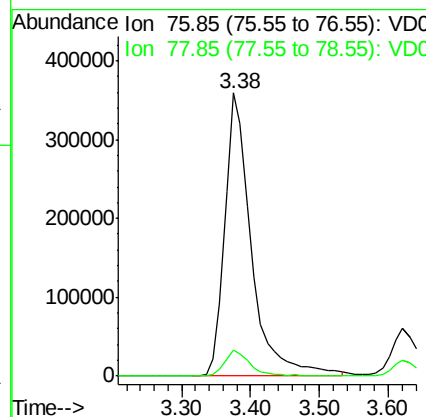
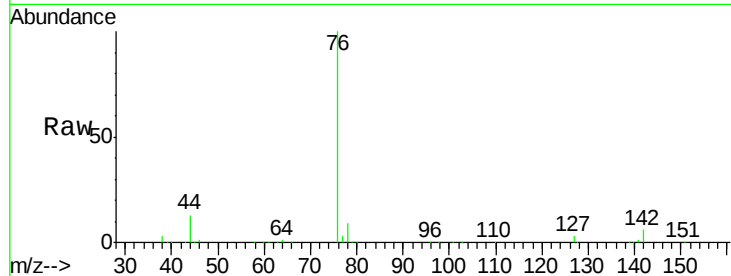
#17
Carbon Disulfide
Concen: 42.405 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

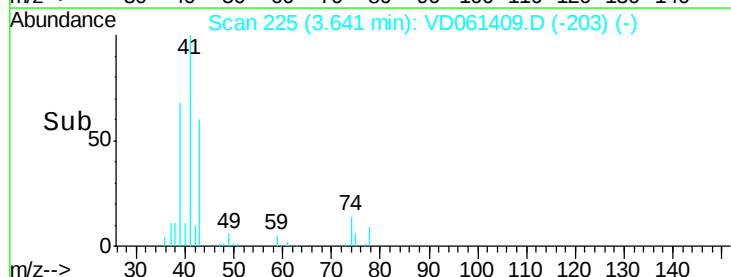
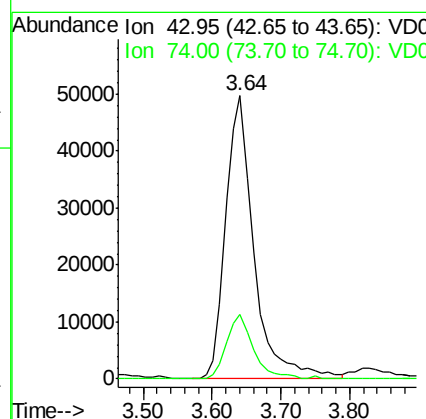
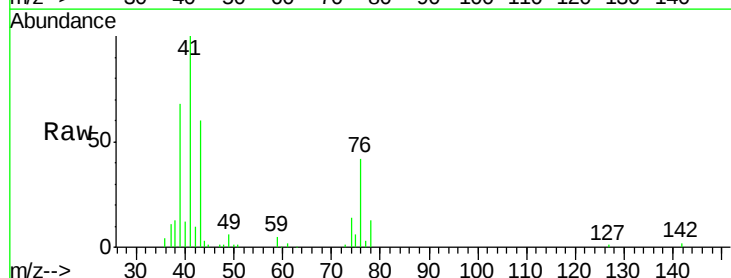
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#18
Methyl Acetate
Concen: 47.172 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	16.7	25.1





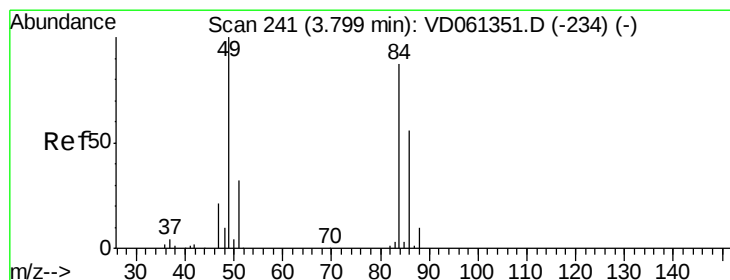
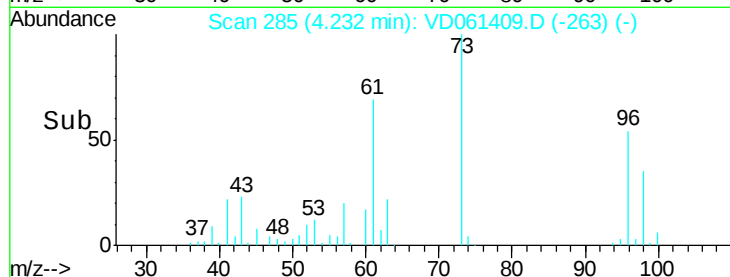
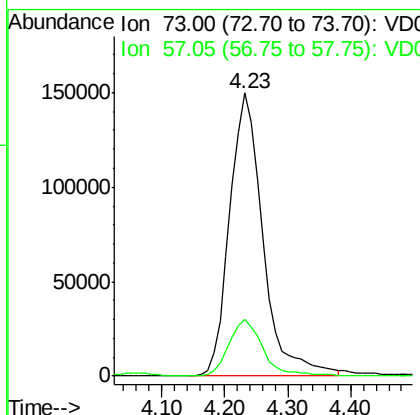
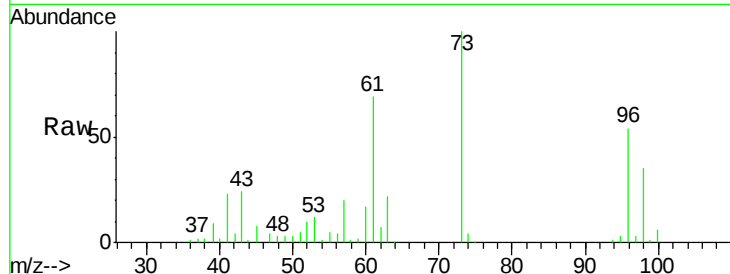
#19
Methvl tert-butvl Ether
Concen: 45.581 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 549487
Ion Ratio Lower Upper
73 100
57 20.2 16.4 24.6

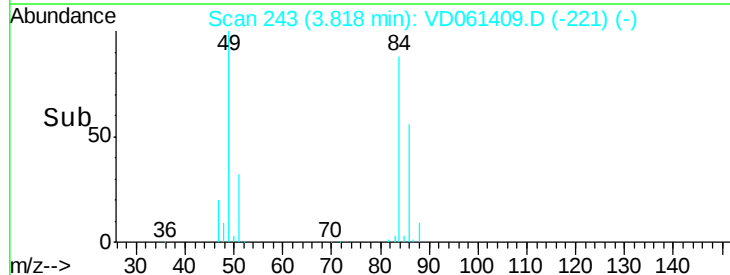
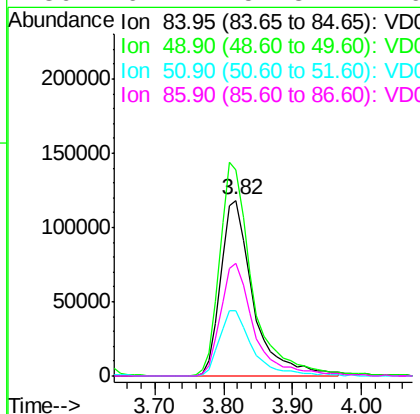
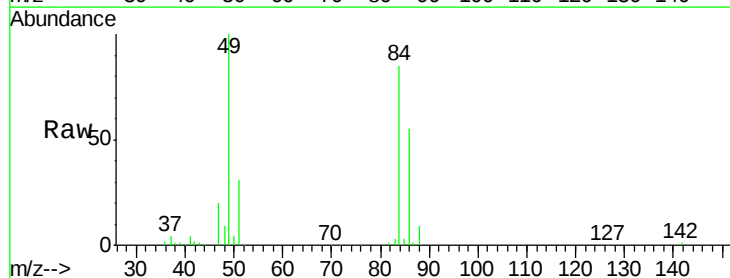
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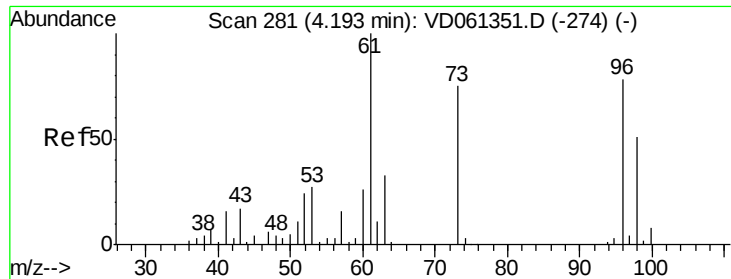
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#20
Methylene Chloride
Concen: 48.532 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 84 Resp: 387818
Ion Ratio Lower Upper
84 100
49 117.3 91.8 137.8
51 36.9 29.8 44.8
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 44.513 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

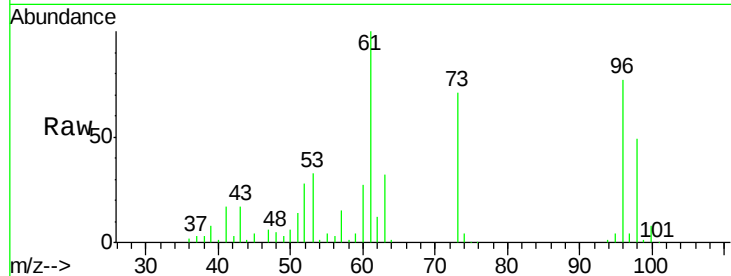
ClientSampleId :

VSTDCCC050EC

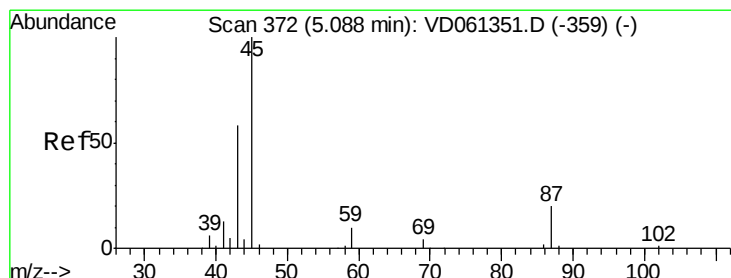
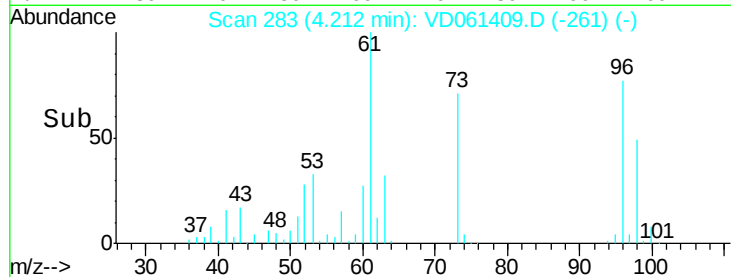
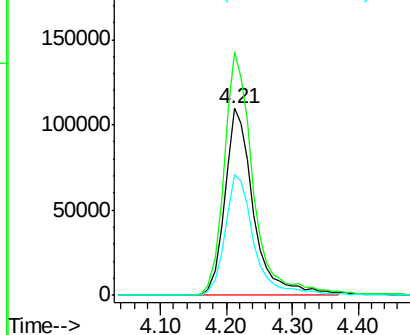
Tot Ion:	96	Resp:	334690
Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.7	154.1
98	64.4	52.2	78.4

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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: 48.032 ug/l

RT: 5.12 min Scan# 375

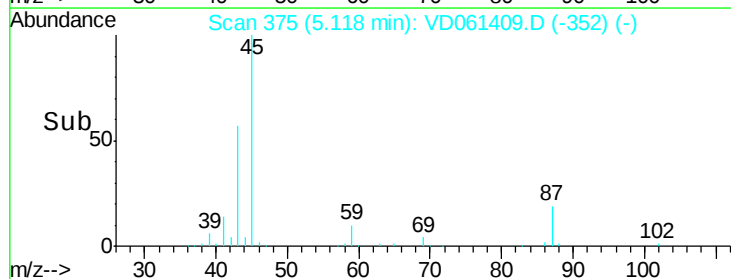
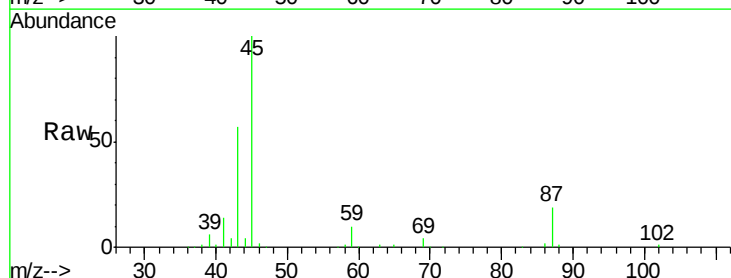
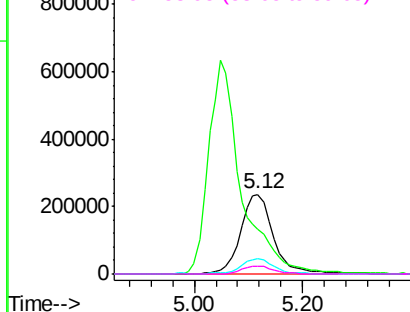
Delta R.T. 0.03 min

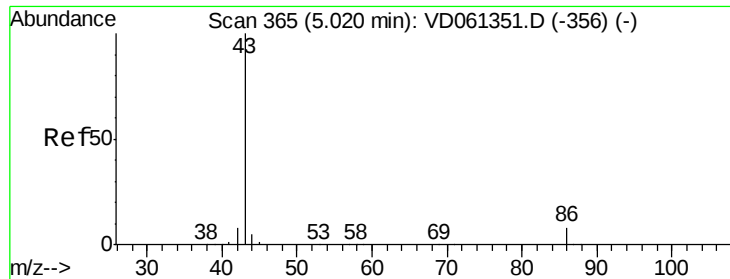
Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	45	Resp:	987311
Ion	Ratio	Lower	Upper
45	100		
43	56.7	47.4	71.2
87	19.5	16.3	24.5
59	9.8	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





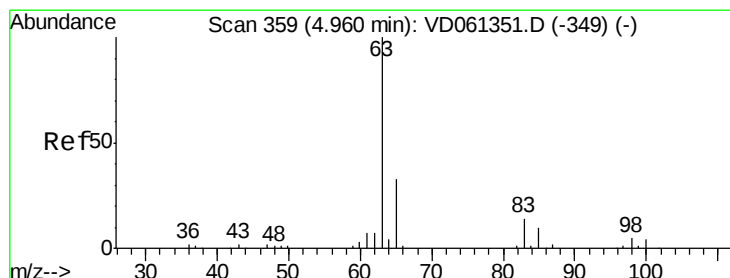
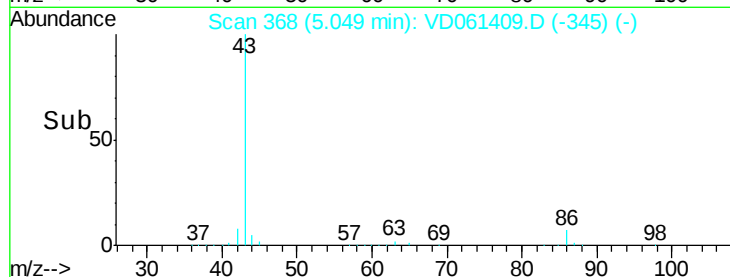
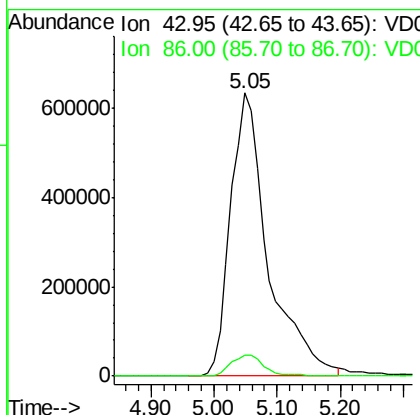
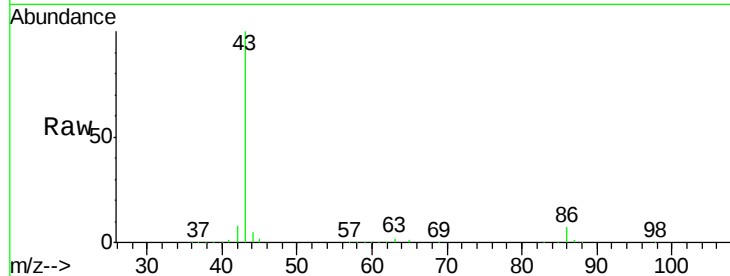
#23
 Vinyl Acetate
 Concen: 234.637 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. 0.03 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2619871
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.7 10.1

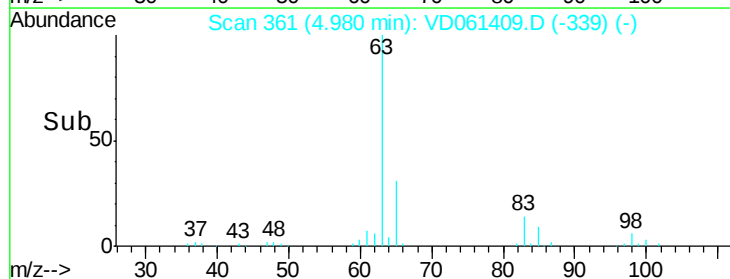
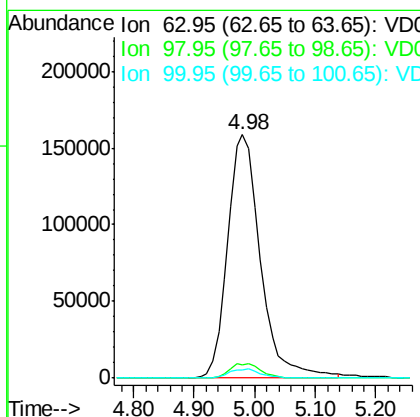
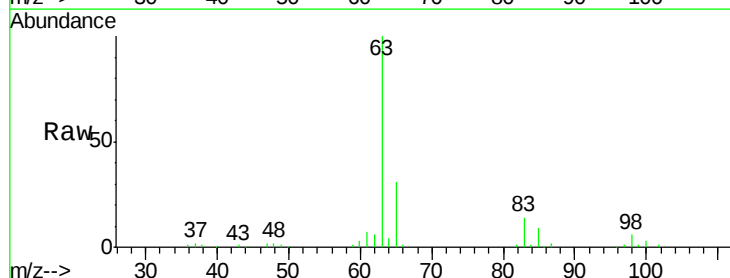
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#24
 1,1-Dichloroethane
 Concen: 49.497 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 63 Resp: 597933
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.6 8.0
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 222.690 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 399124

Ion Ratio Lower Upper

43 100

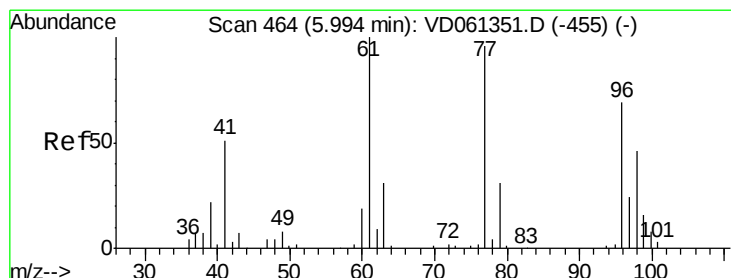
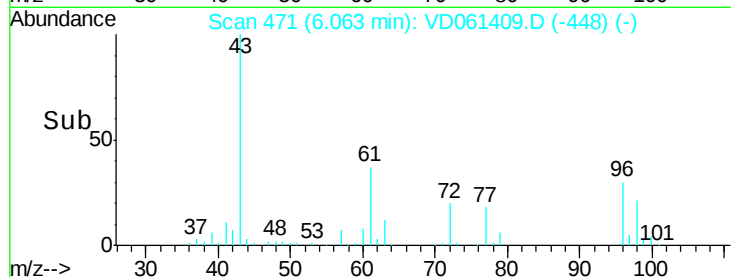
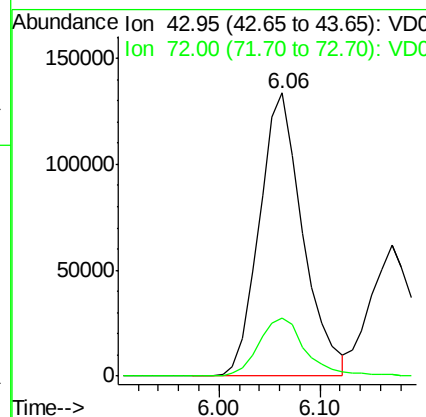
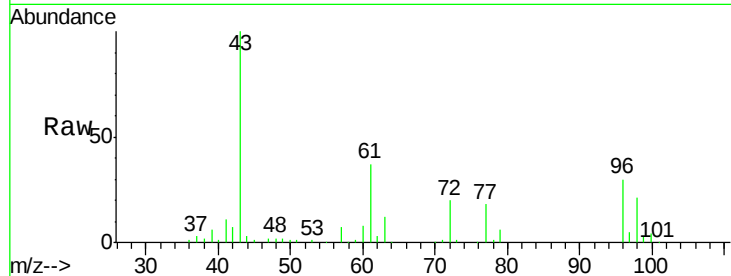
72 20.5 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.721 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD061409.D

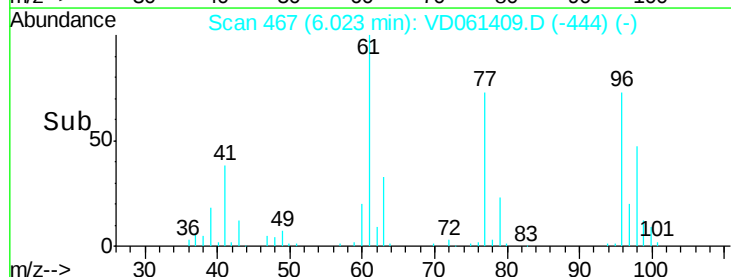
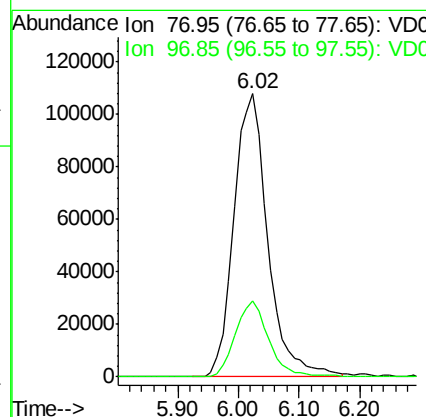
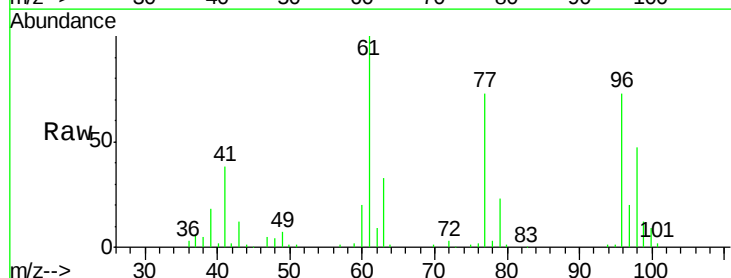
Acq: 29 Mar 2019 00:09

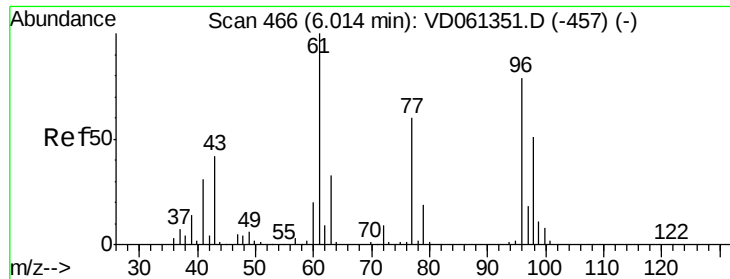
Tgt Ion: 77 Resp: 419861

Ion Ratio Lower Upper

77 100

97 26.9 12.7 38.0





#27

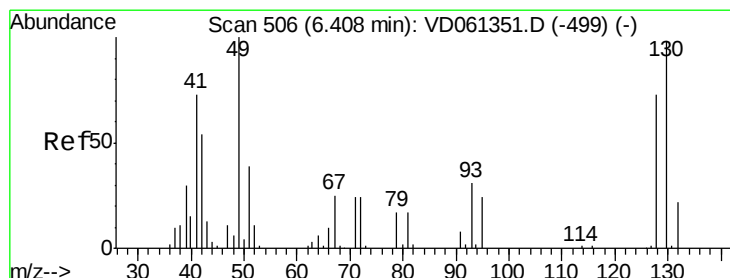
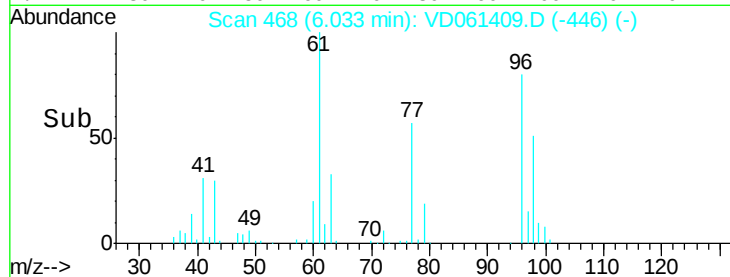
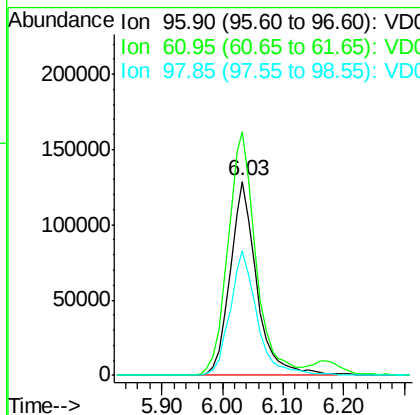
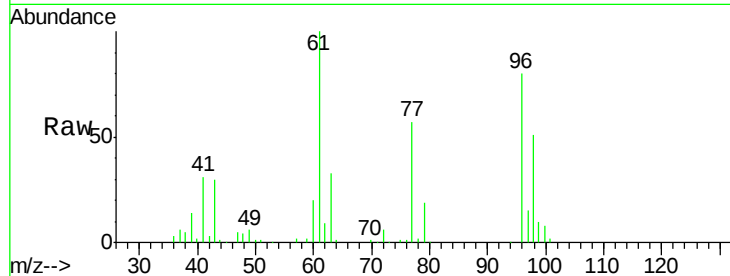
cis-1,2-Dichloroethene
Concen: 47.525 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	391511		
61	125.6	0.0	251.6	
98	64.0	0.0	129.2	

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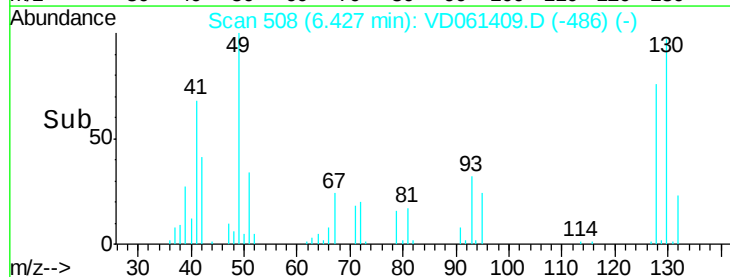
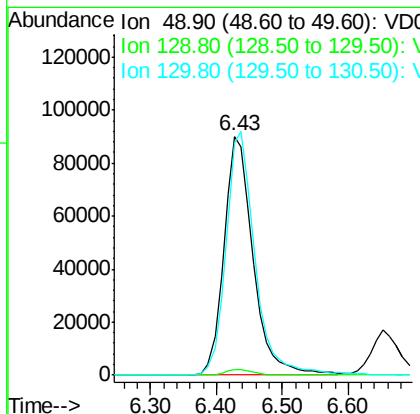
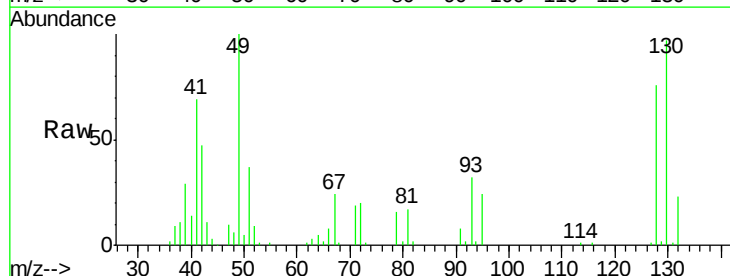
MMDadoda
4/2/2019 11:31:41 AM



#28

Bromochloromethane
Concen: 57.195 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	278905		
129	2.2	0.0	0.0#	
130	97.2	78.4	117.6	





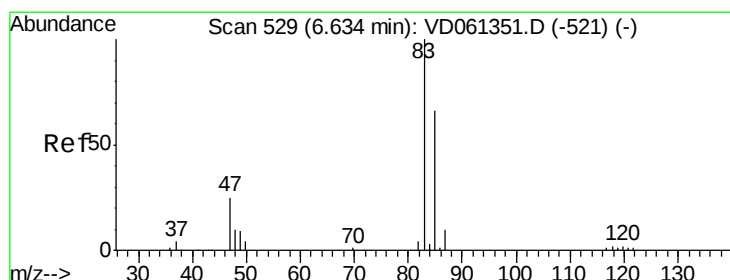
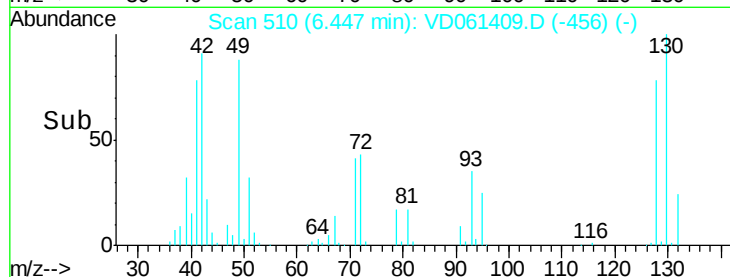
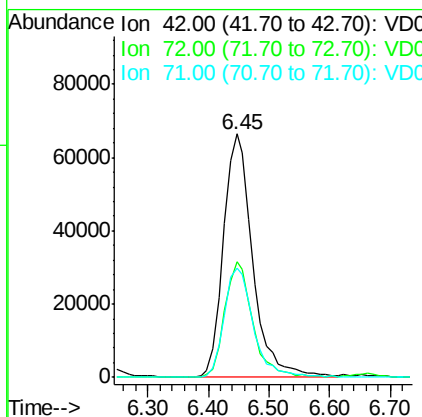
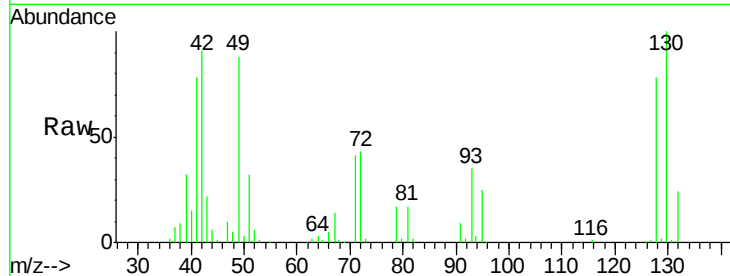
#29
Tetrahydrofuran
Concen: 256.274 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.4	56.0
71	44.6	36.7	55.1

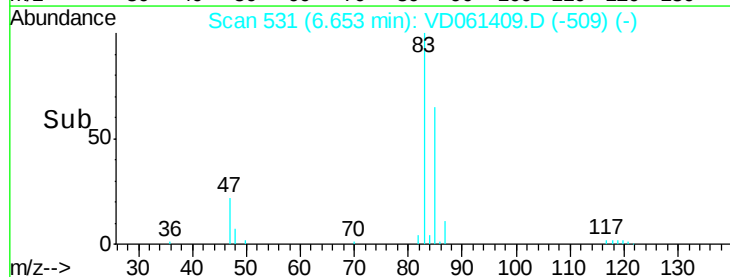
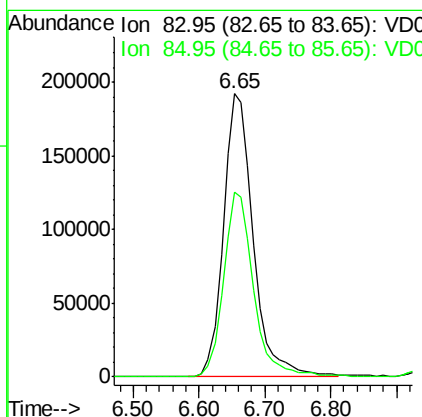
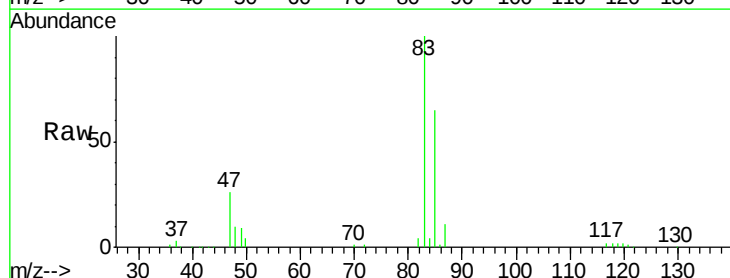
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#30
Chloroform
Concen: 48.536 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.0	79.4





#31

Cvclohexane

Concen: 47.596 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 454359

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

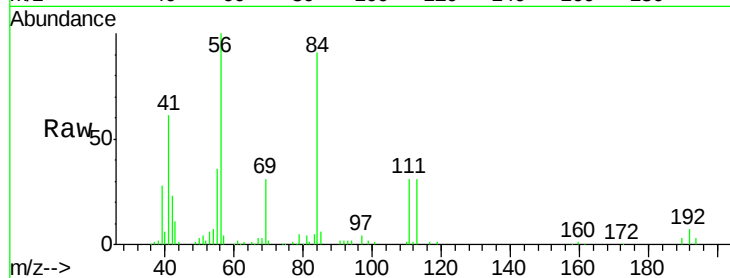
84 90.6 70.6 105.8

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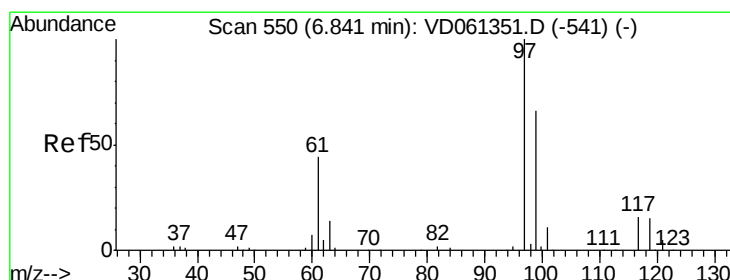
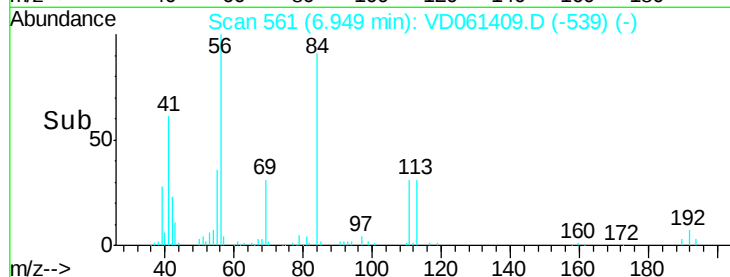
Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->



#32

1,1,1-Trichloroethane

Concen: 47.980 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

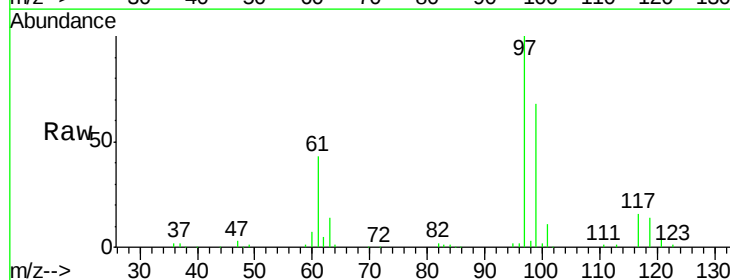
Tgt Ion: 97 Resp: 528358

Ion Ratio Lower Upper

97 100

99 68.1 53.1 79.7

61 43.4 35.5 53.3



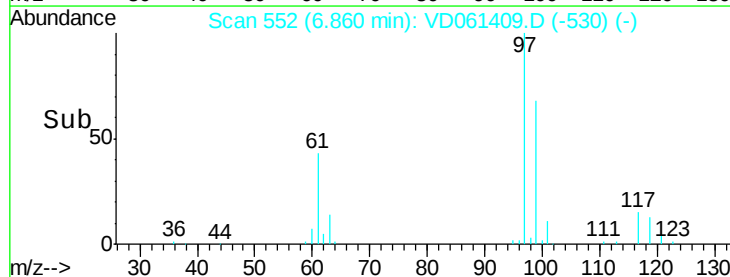
Abundance

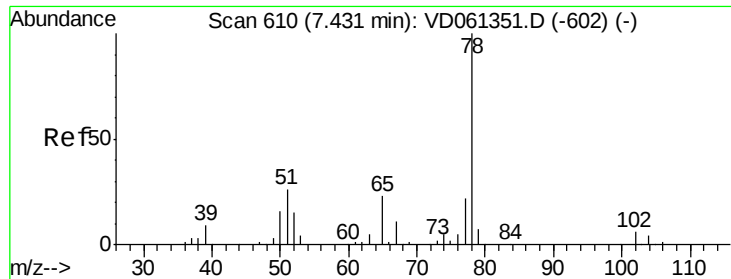
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.980 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 270569

Ion Ratio Lower Upper

65 100

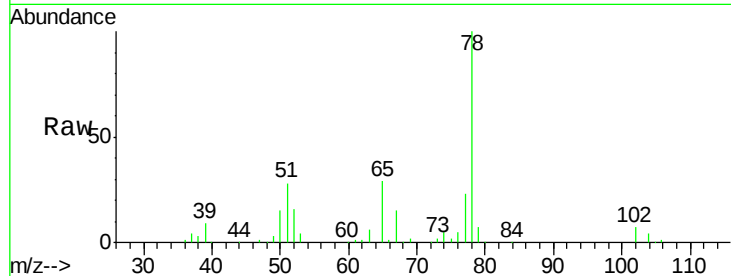
67 51.2 0.0 99.8

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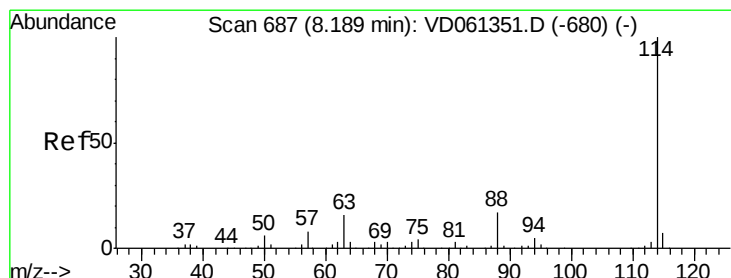
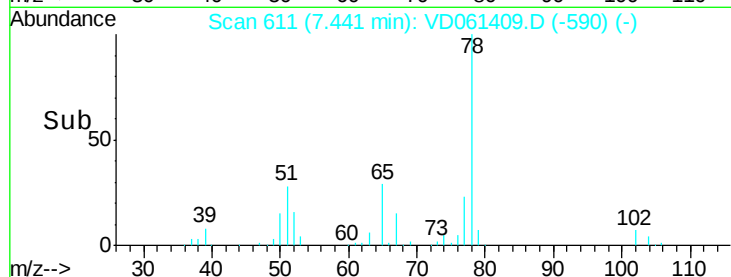
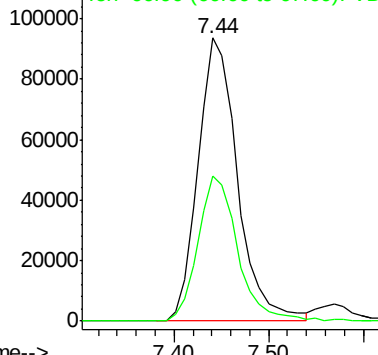
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

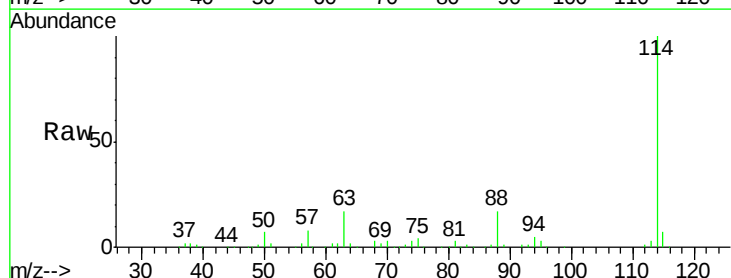
Tgt Ion: 114 Resp: 1138600

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.6

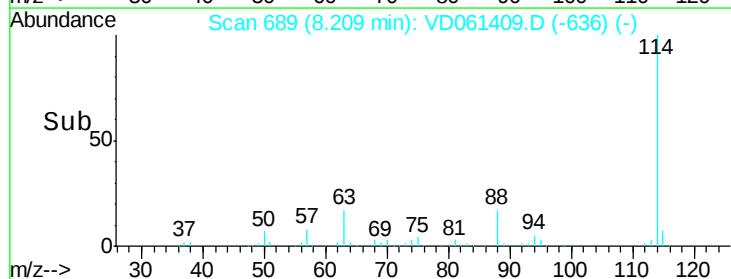
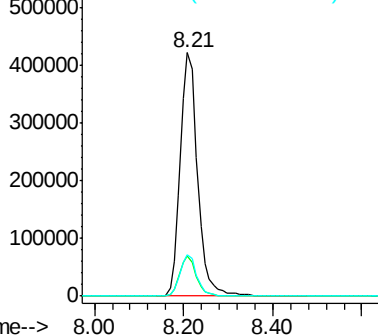
88 16.9 0.0 33.4

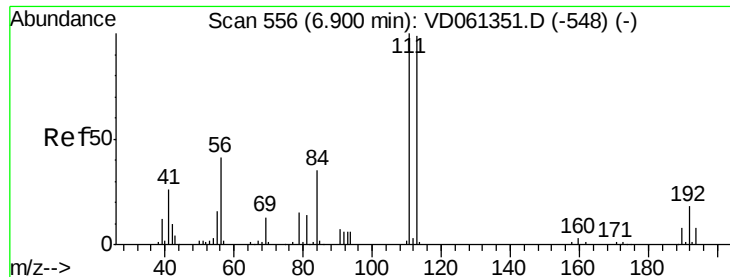


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 454038

Ion Ratio Lower Upper

113 100

111 100.7 81.0 121.6

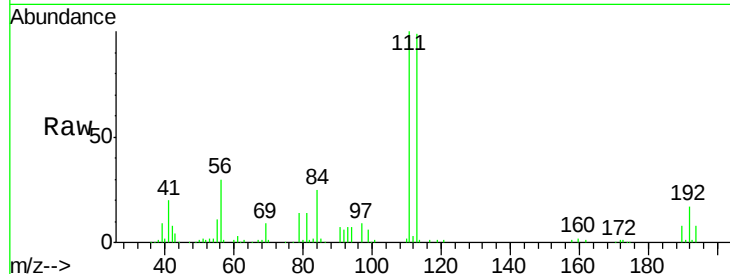
192 17.2 14.4 21.6

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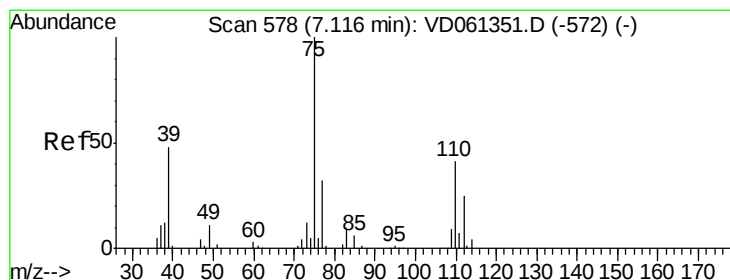
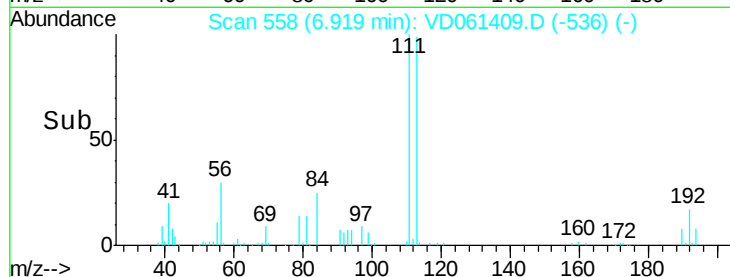
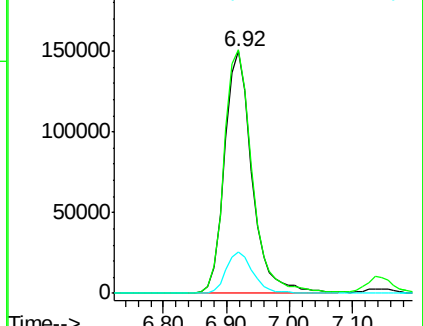
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 40.990 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

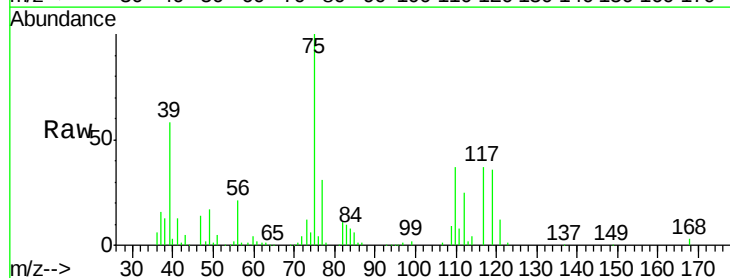
Tgt Ion: 75 Resp: 407332

Ion Ratio Lower Upper

75 100

110 37.3 20.4 61.3

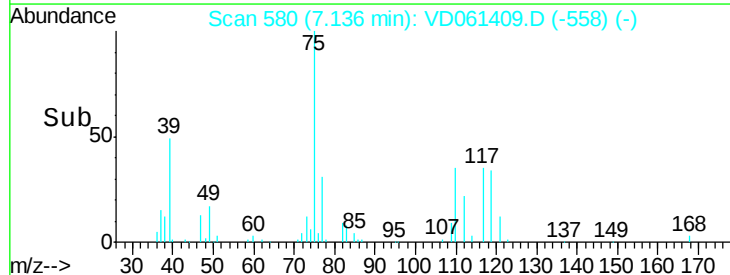
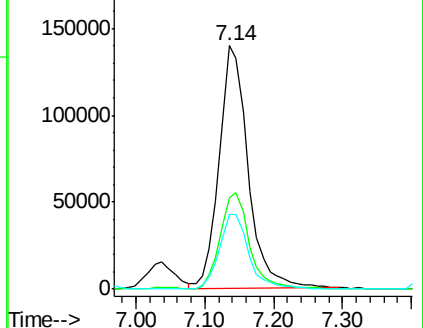
77 30.9 24.9 37.3

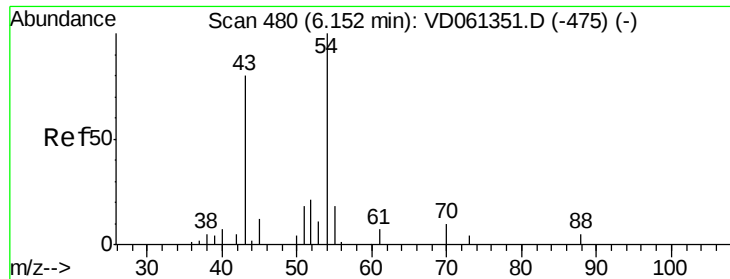


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





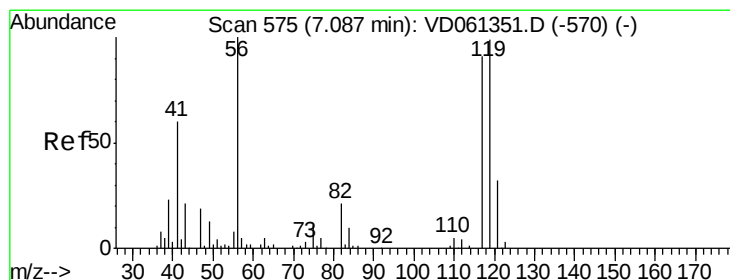
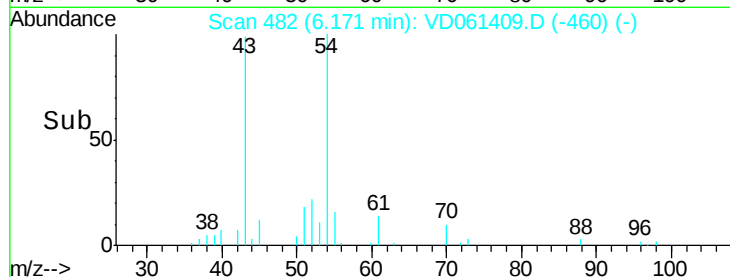
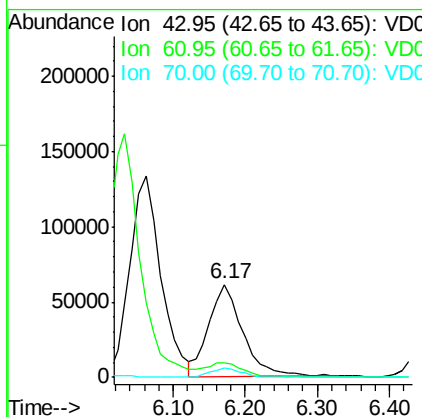
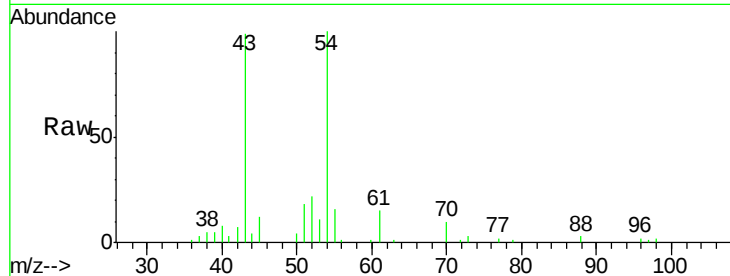
#37
Ethyl Acetate
Concen: 47.129 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	13.8	20.8
70	9.9	7.8	11.8

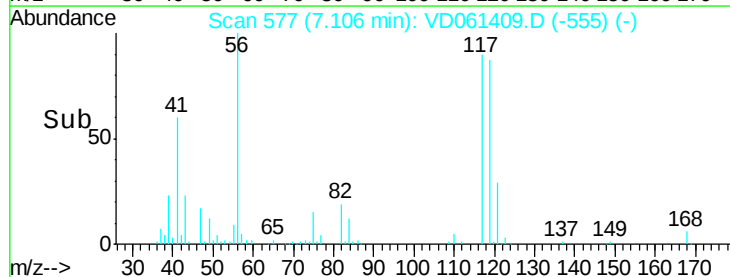
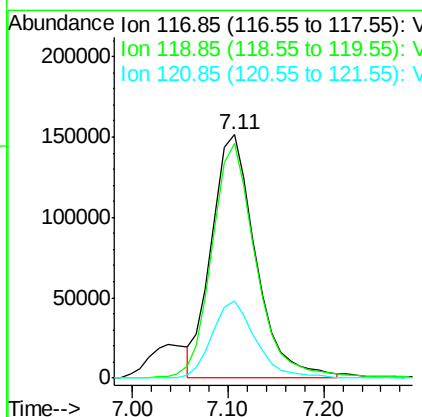
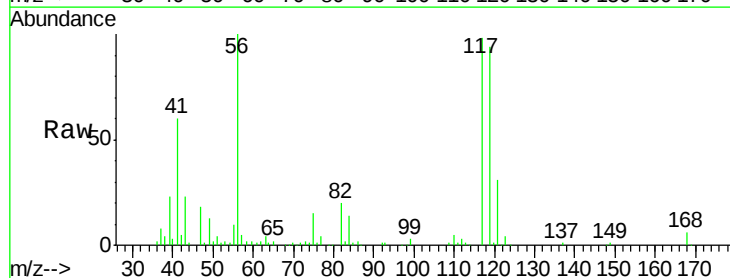
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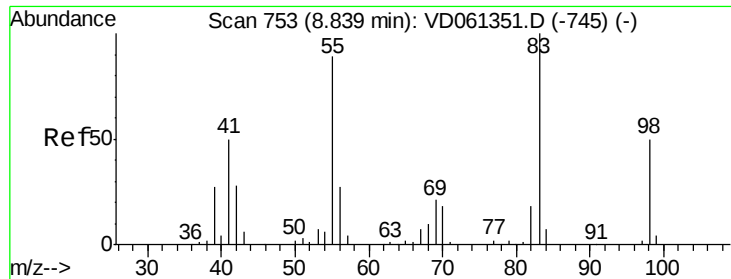
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#38
Carbon Tetrachloride
Concen: 42.536 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	80.1	120.1
121	31.6	25.6	38.4





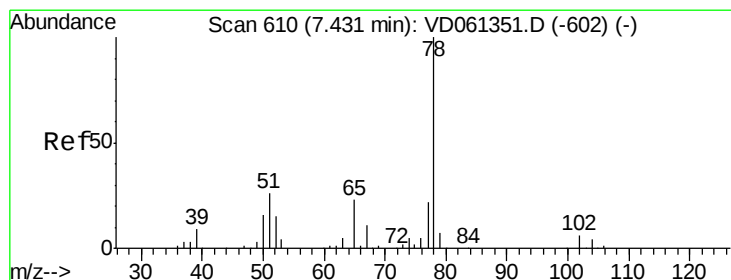
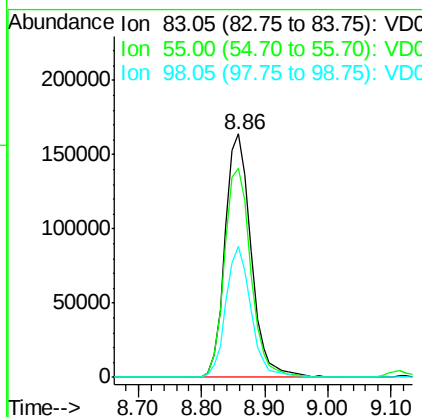
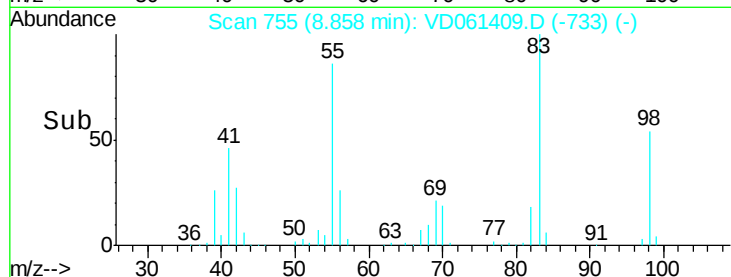
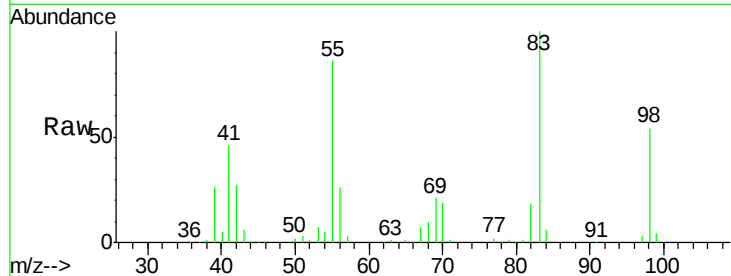
#39
Methvlcvclohexane
Concen: 45.403 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	469911
Ion	Ratio	Lower	Upper
83	100		
55	85.9	71.5	107.3
98	53.8	40.3	60.5

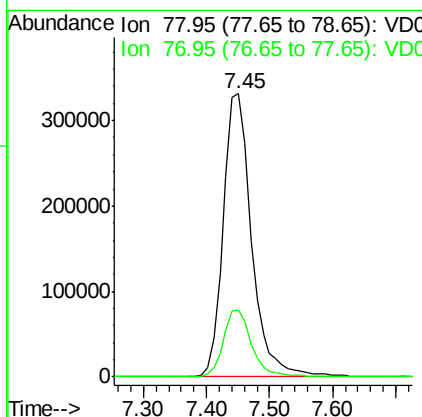
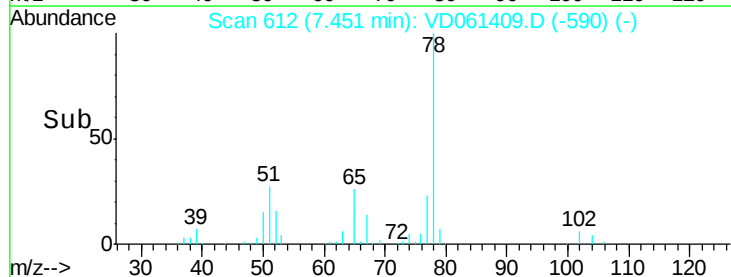
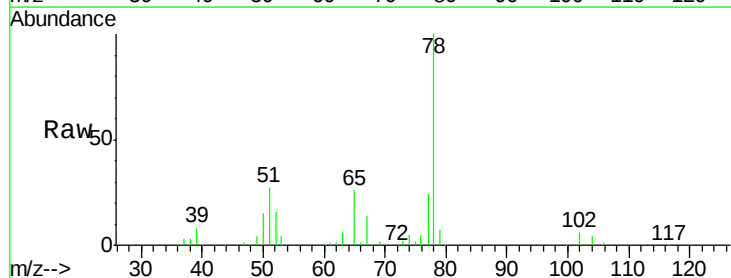
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#40
Benzene
Concen: 41.387 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	78	Resp	1032207
Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.8	26.6





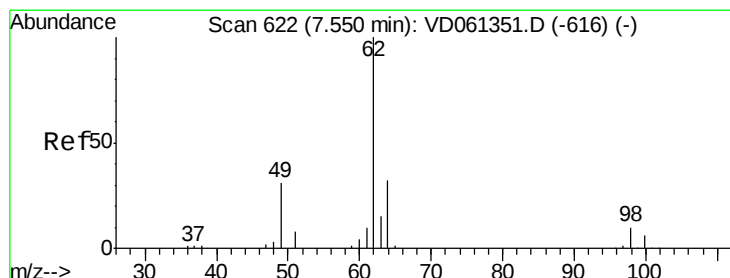
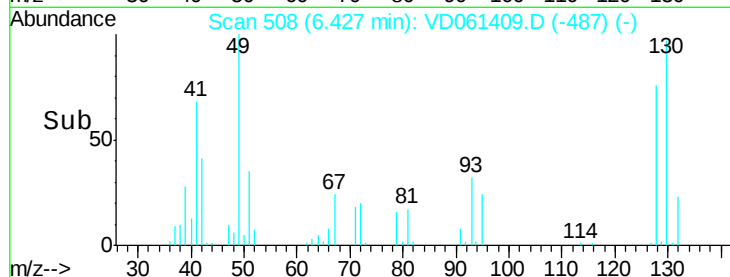
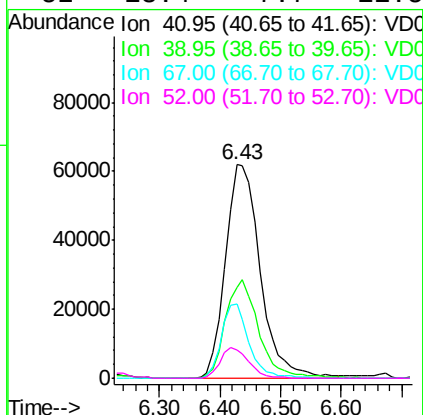
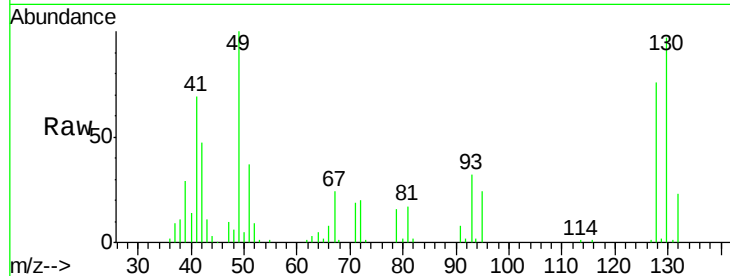
#41
Methacrylonitrile
Concen: 49.780 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.6	35.0	52.6
67	34.9	21.0	31.6
52	13.4	7.7	11.5

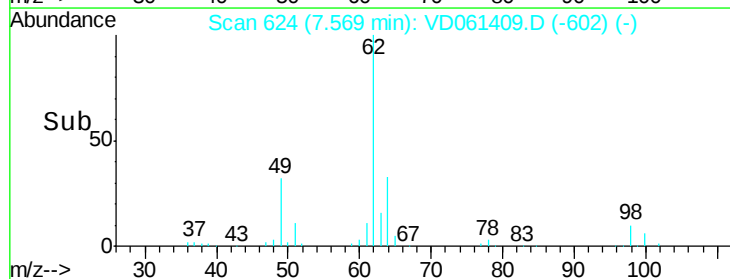
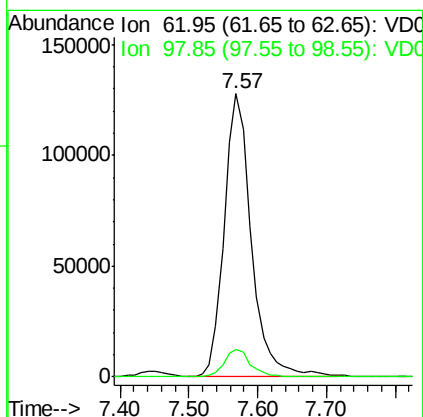
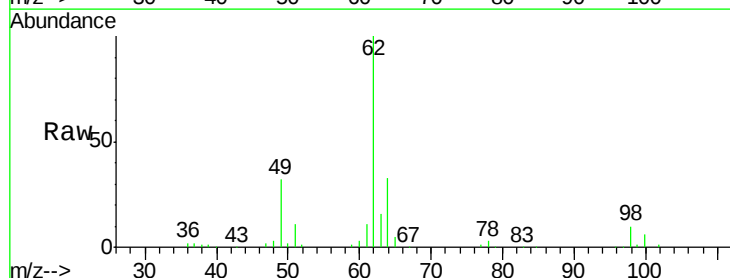
Manual Integrations
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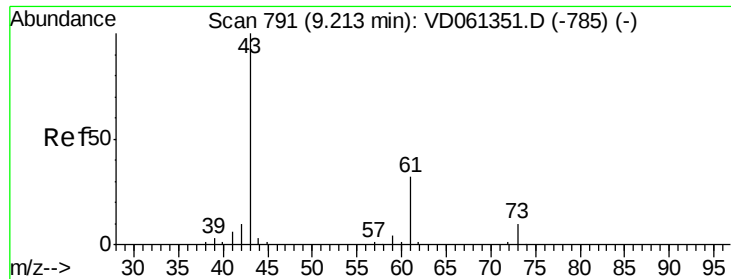
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.878 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





#43

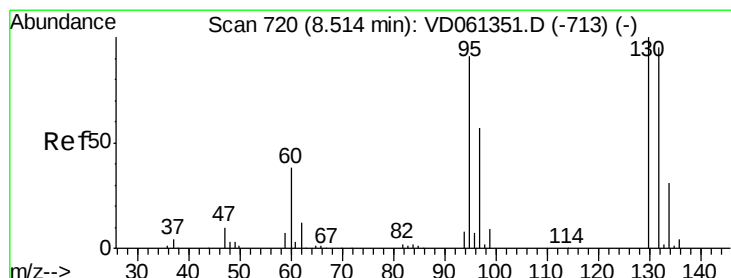
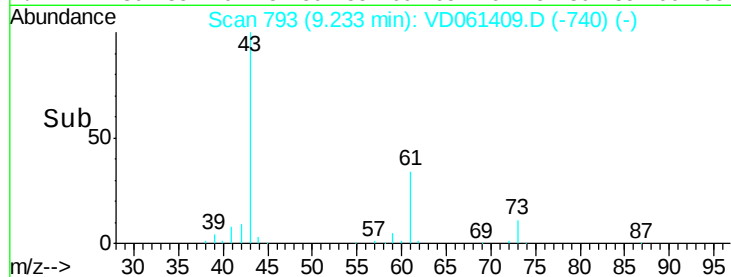
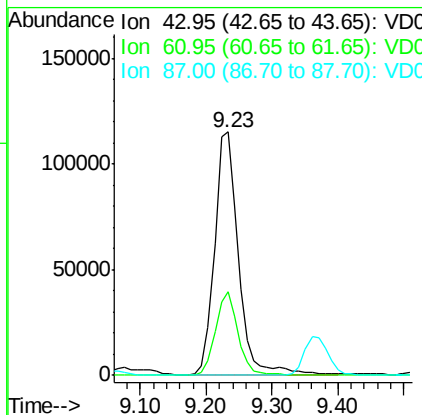
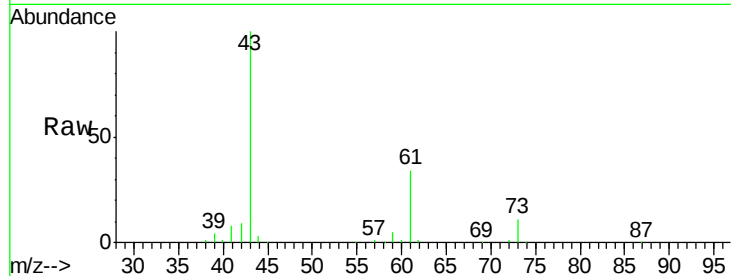
Isopropyl Acetate
 Concen: 46.982 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.8	38.6
87	0.4	0.0	0.0

Manual Integrations
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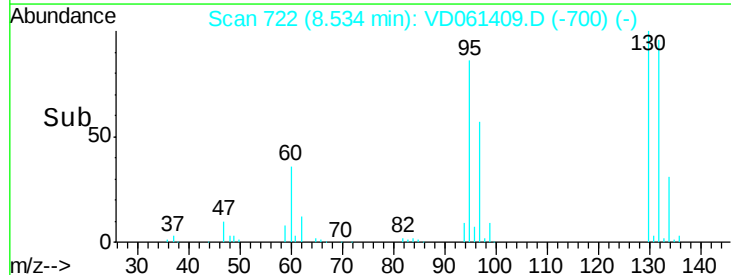
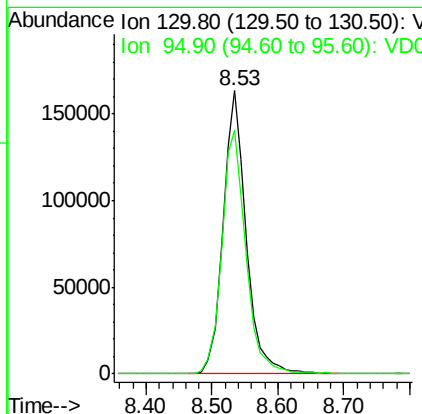
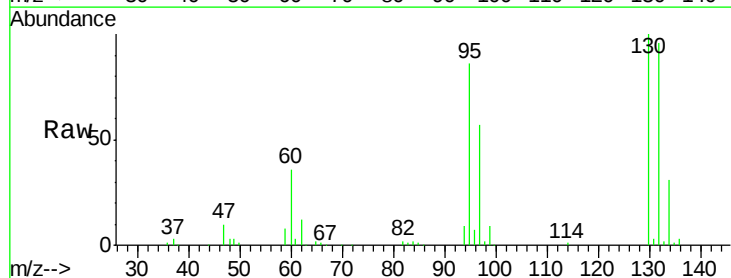
MMDadoda
 4/2/2019 11:31:41 AM

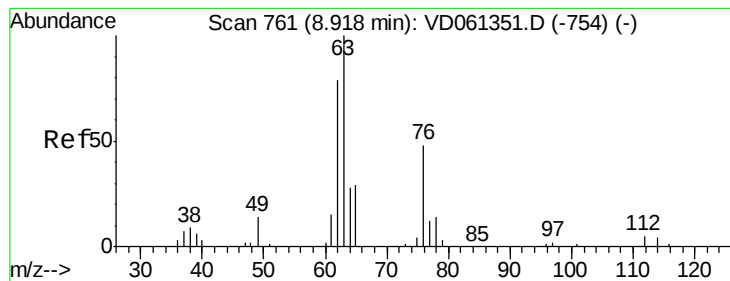


#44

Trichloroethene
 Concen: 43.018 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	181.4





#45

1,2-Dichloropropane

Concen: 46.360 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 293188

Ion Ratio Lower Upper

63 100

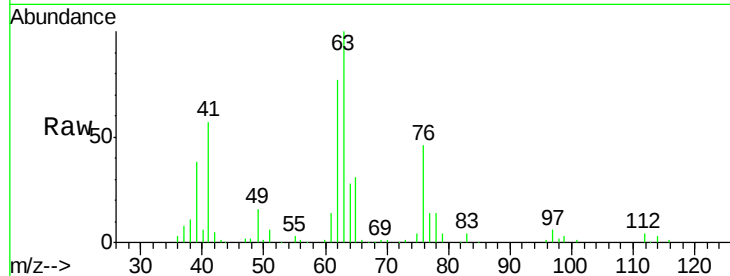
65 30.7 25.0 37.4

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

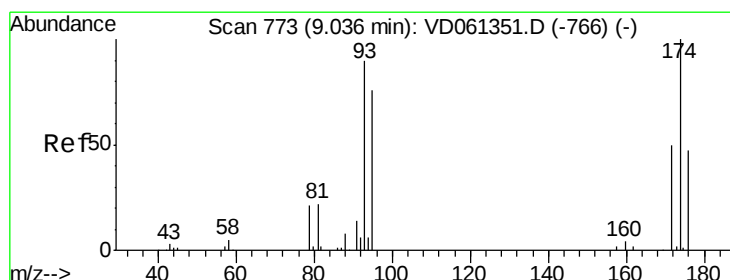
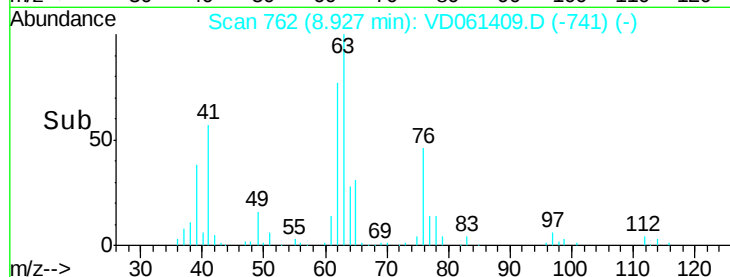
8.93

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 47.142 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

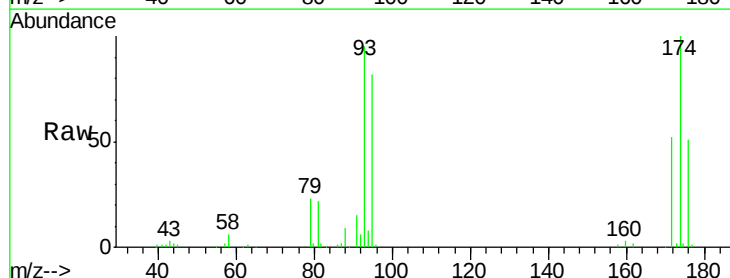
Tgt Ion: 93 Resp: 200666

Ion Ratio Lower Upper

93 100

95 86.9 67.4 101.0

174 105.7 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

120000

100000

80000

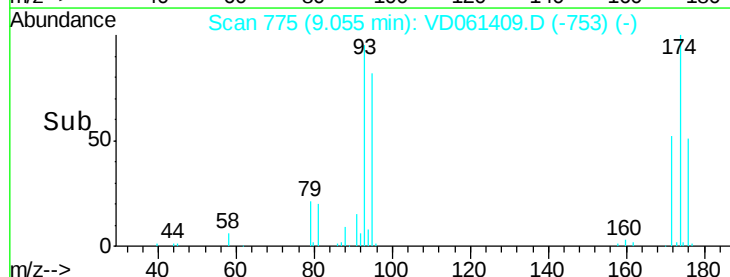
60000

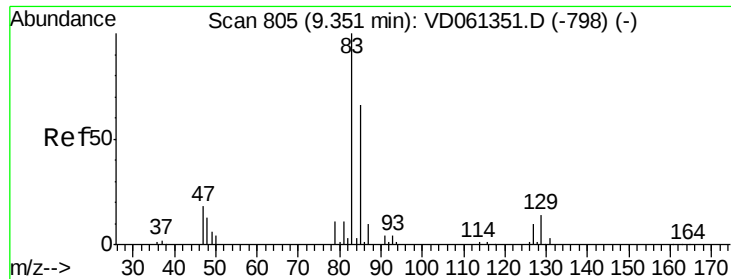
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 47.333 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

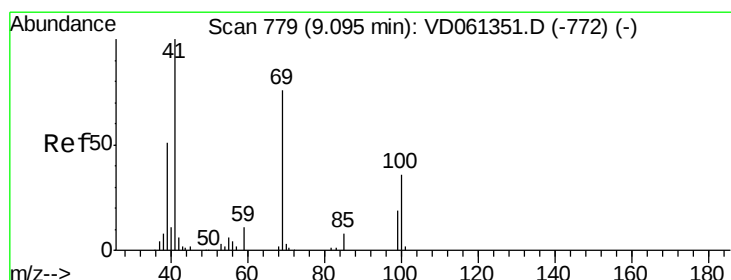
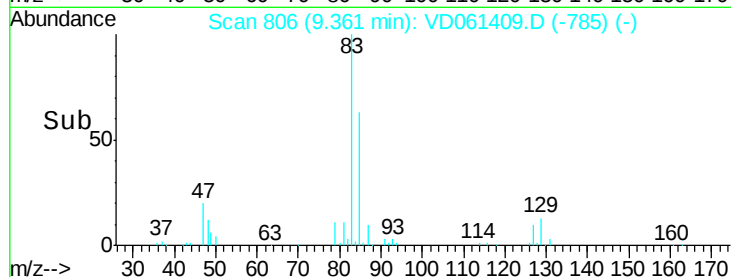
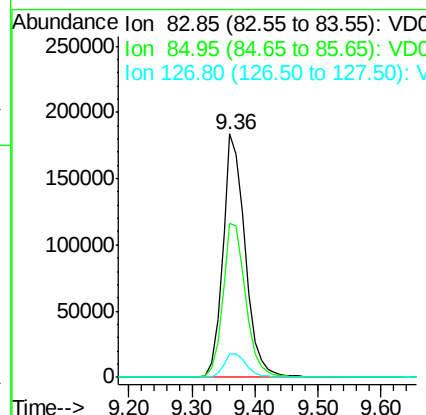
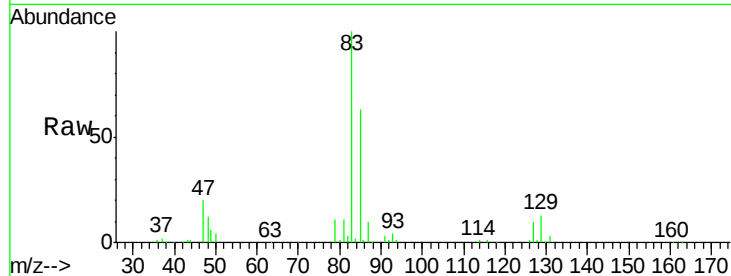
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	452208
Ion Ratio	Lower	Upper	
83	100		
85	63.1	53.0	79.4
127	9.8	8.4	12.6

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#48

Methyl methacrylate

Concen: 46.129 ug/l

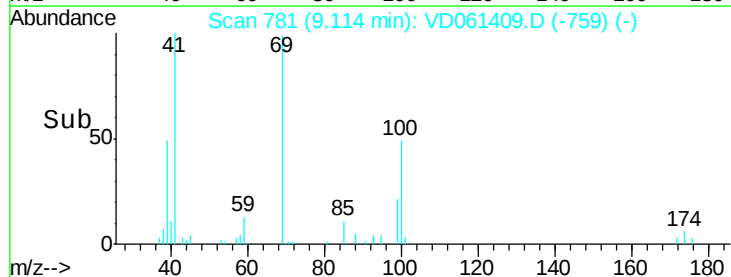
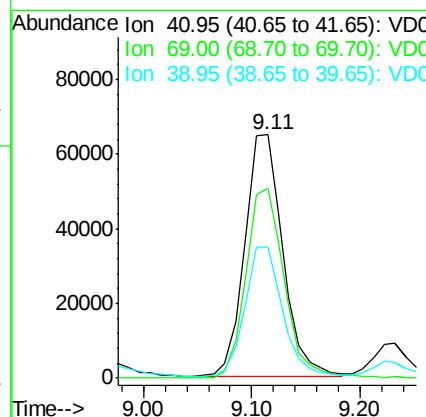
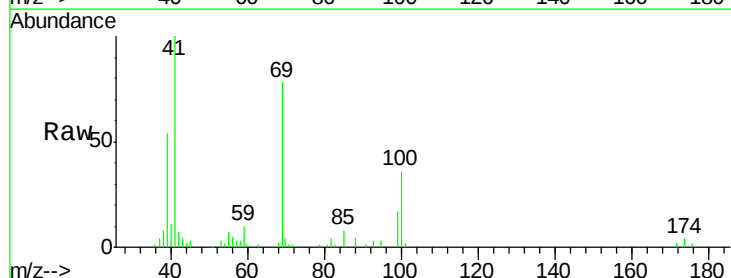
RT: 9.11 min Scan# 781

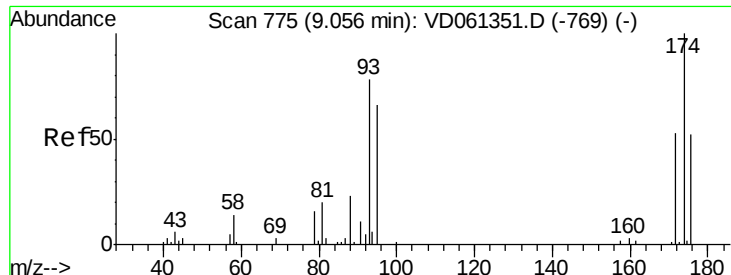
Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	41	Resp:	157423
Ion Ratio	Lower	Upper	
41	100		
69	78.1	60.2	90.4
39	53.5	41.4	62.2





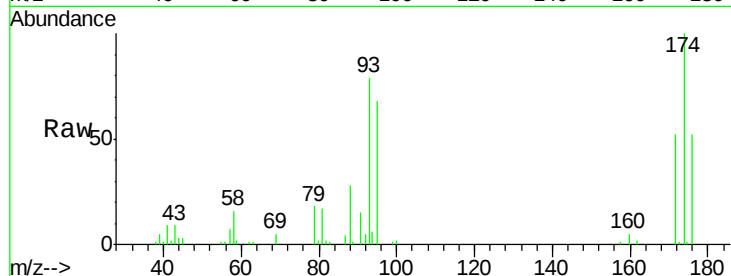
#49
1,4-Dioxane
Concen: 979.208 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

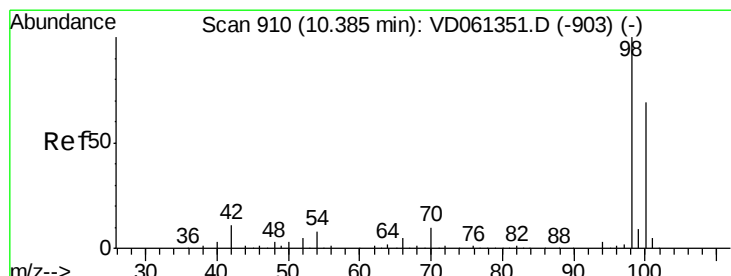
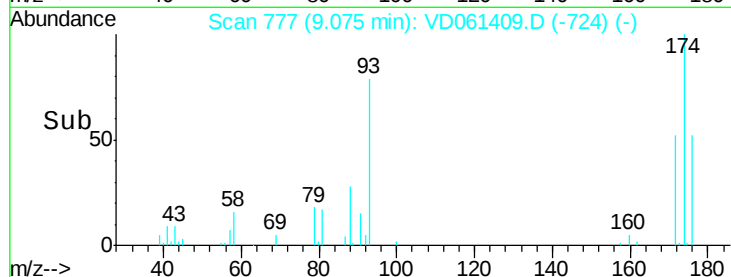
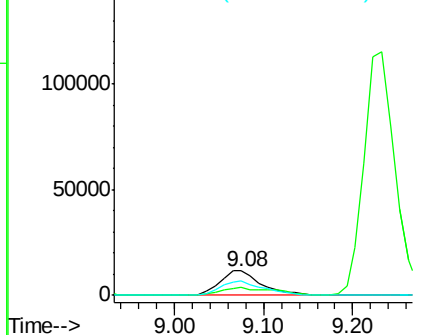
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	23.3	34.9
58	58.0	50.8	76.2

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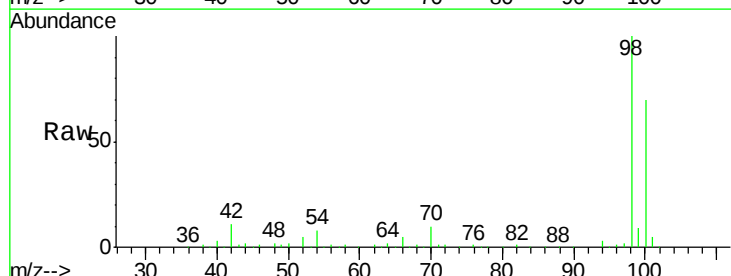


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

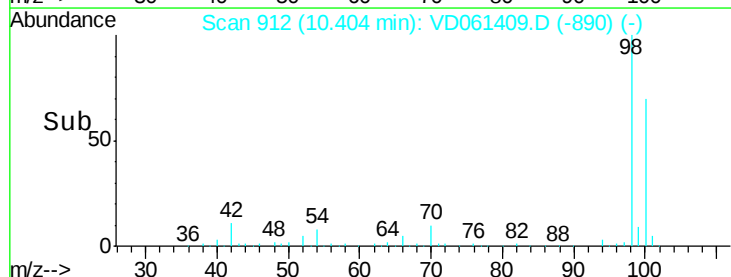
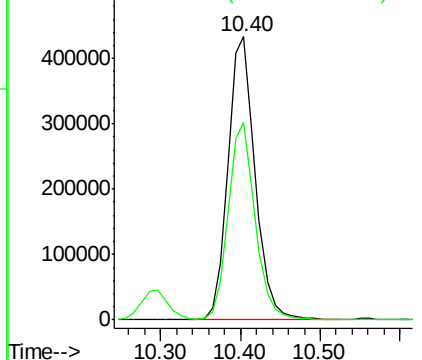


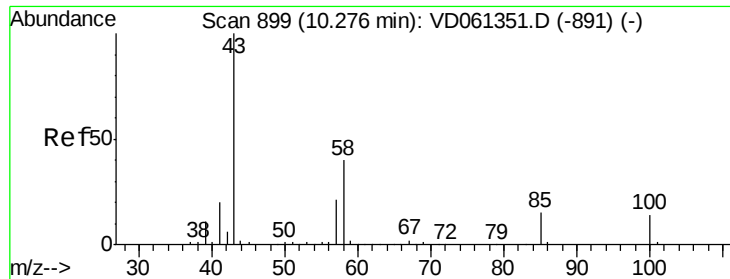
#50
Toluene-d8
Concen: 979.208 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	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: 231.692 ug/l

RT: 10.29 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 871648

Ion Ratio Lower Upper

43 100

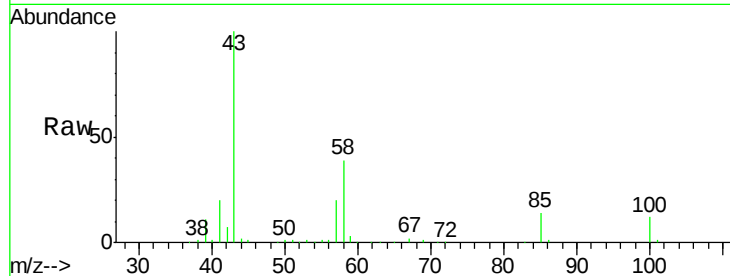
58 38.7 31.8 47.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

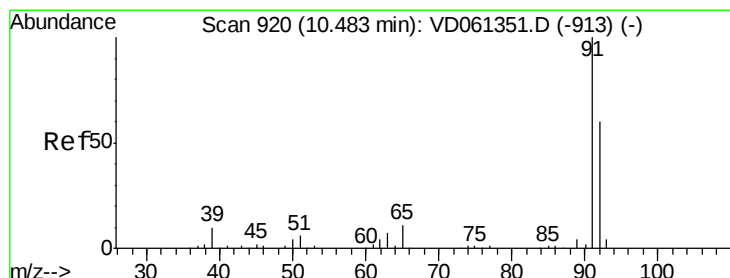
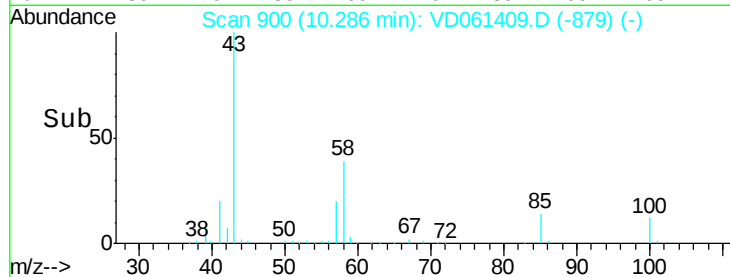
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 45.387 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061409.D

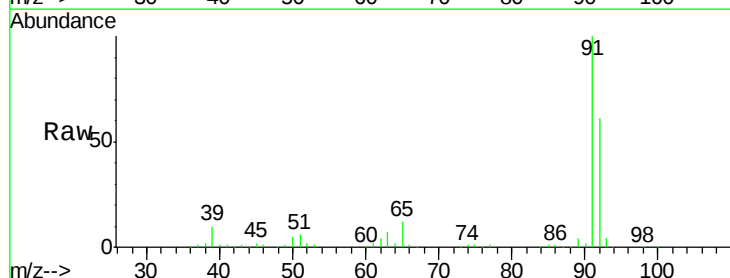
Acq: 29 Mar 2019 00:09

Tgt Ion: 92 Resp: 690583

Ion Ratio Lower Upper

92 100

91 164.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

500000

400000

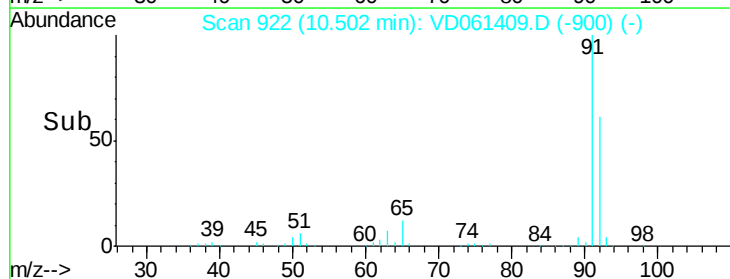
300000

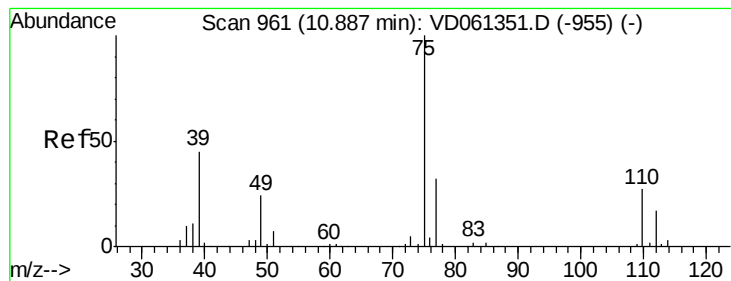
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.967 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 381637

Ion Ratio Lower Upper

75 100

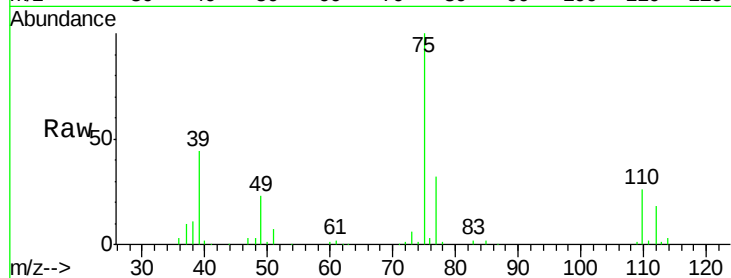
77 32.1 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

200000

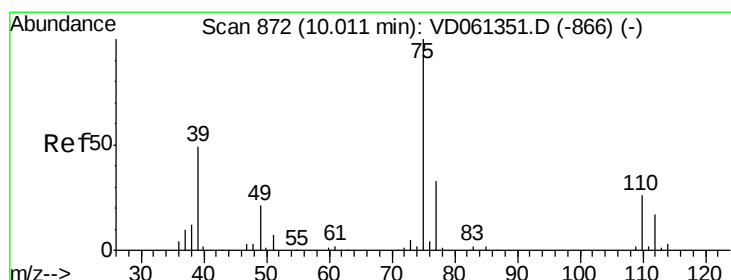
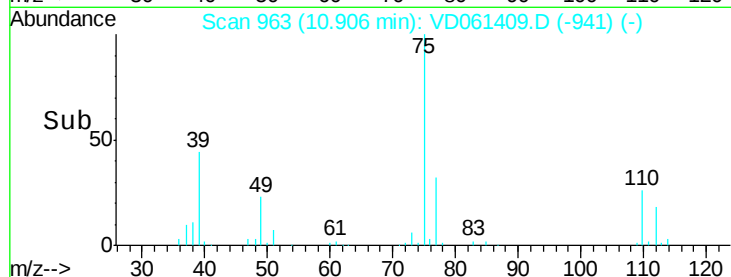
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.005 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

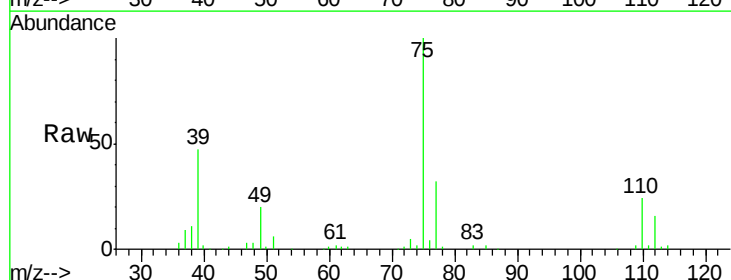
Tgt Ion: 75 Resp: 496808

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

39 46.6 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

300000

250000

200000

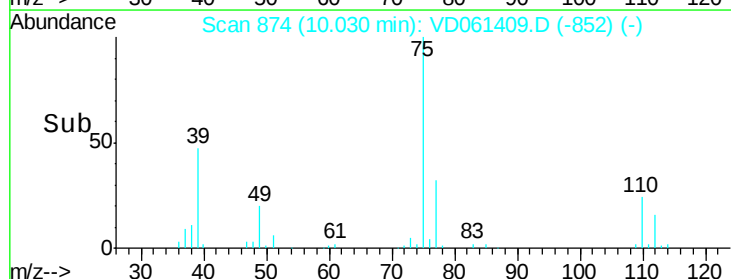
150000

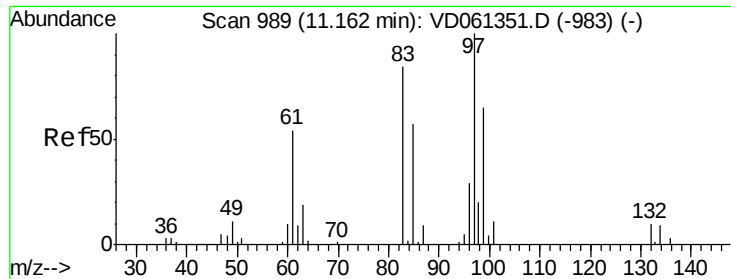
100000

50000

0

Time-->





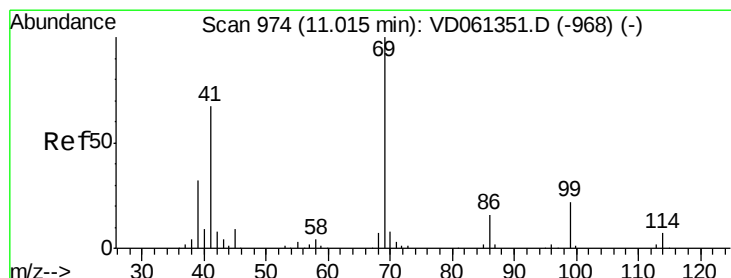
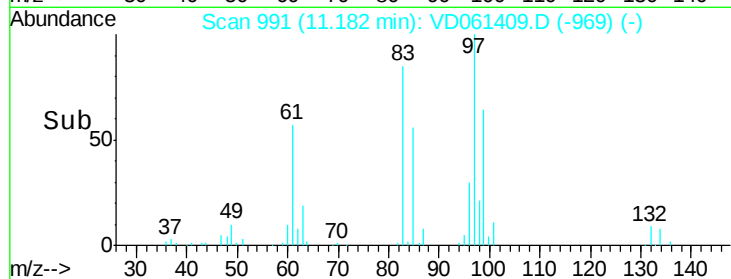
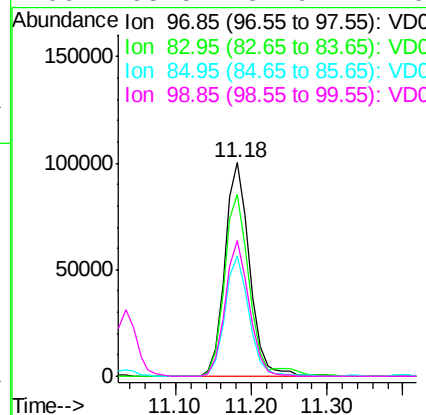
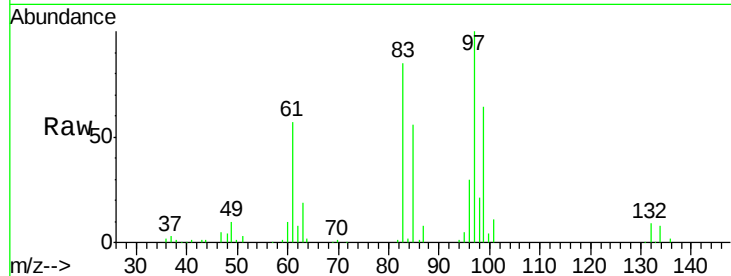
#55
1,1,2-Trichloroethane
Concen: 42.755 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	227507
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.0	100.6
85	56.3	45.4	68.2
99	63.5	51.9	77.9

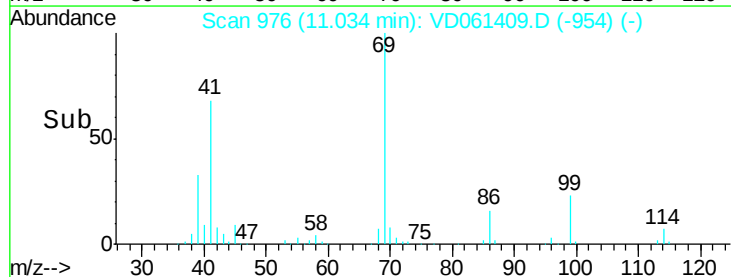
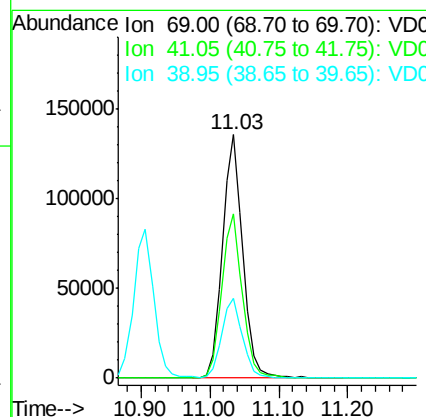
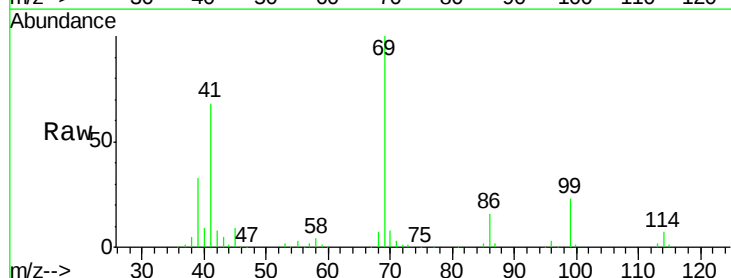
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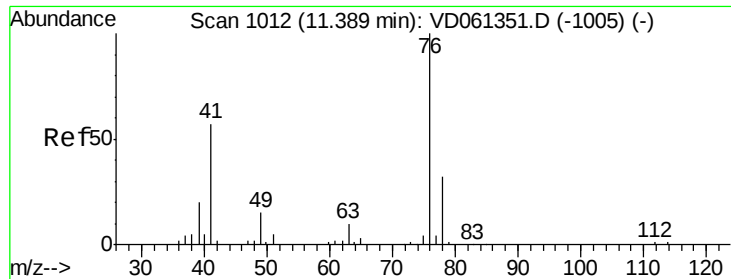
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#56
Ethyl methacrylate
Concen: 48.086 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:	69	Resp:	274876
Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.8	80.6
39	32.7	26.4	39.6





#57

1,3-Dichloropropane

Concen: 48.366 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 378275

Ion Ratio Lower Upper

76 100

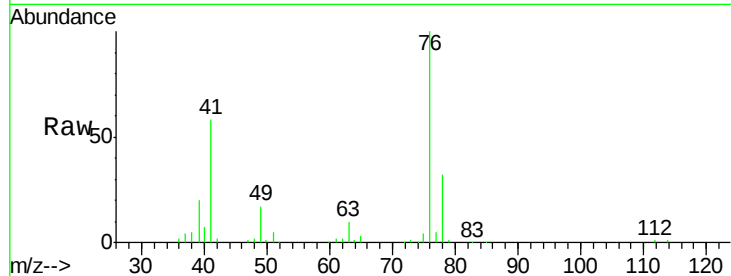
78 32.0 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

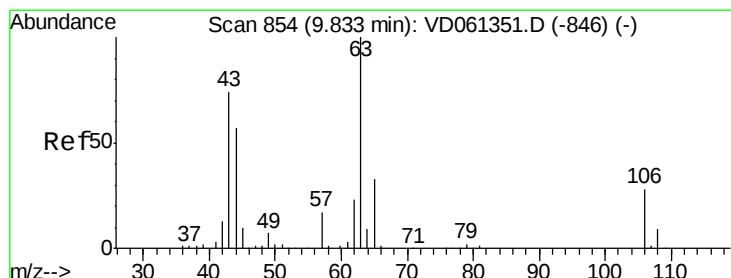
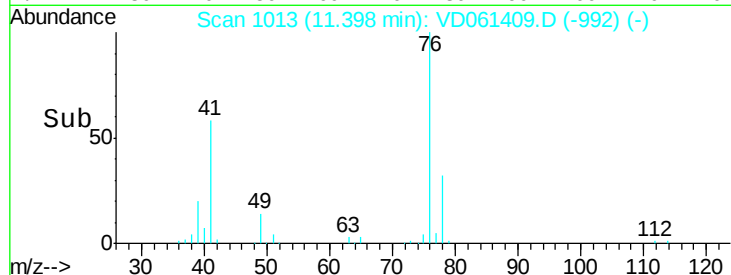
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.098 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.02 min

Lab File: VD061409.D

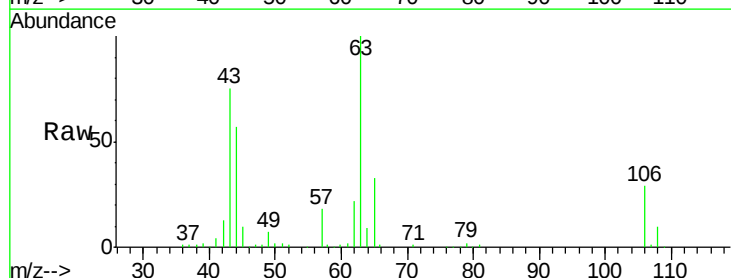
Acq: 29 Mar 2019 00:09

Tgt Ion: 63 Resp: 690662

Ion Ratio Lower Upper

63 100

106 28.8 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

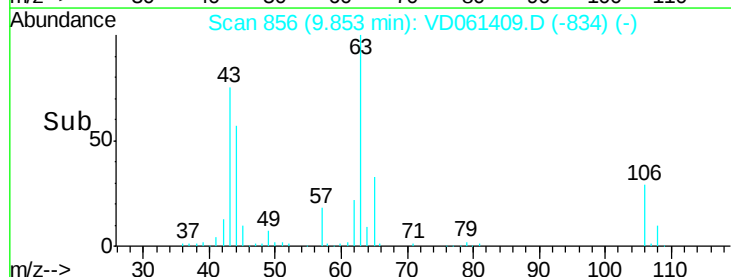
300000

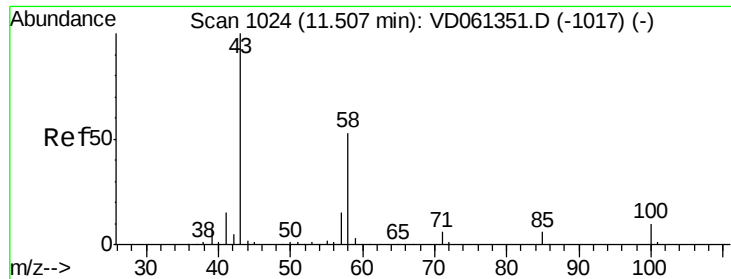
200000

100000

0

Time-->





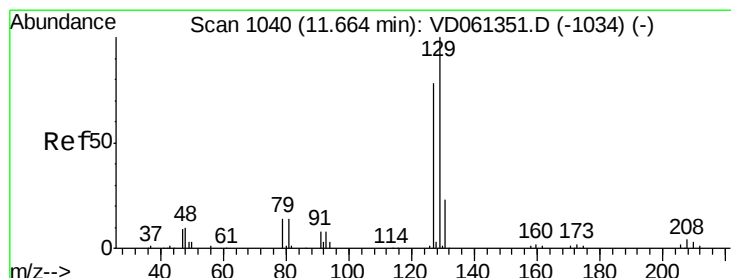
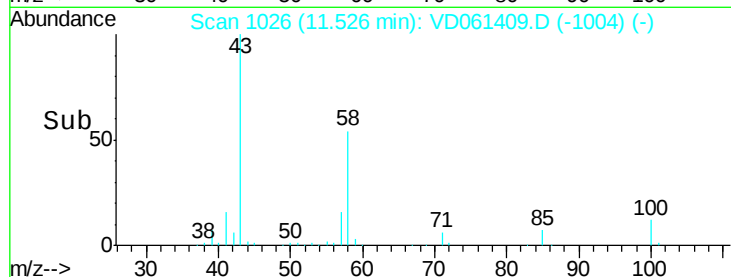
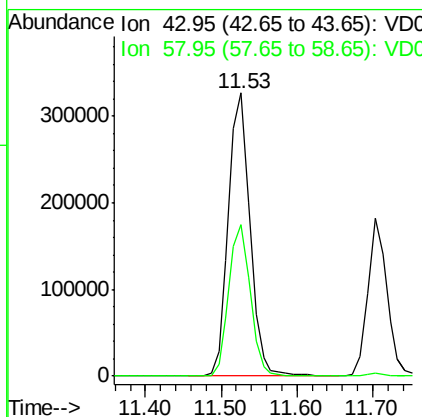
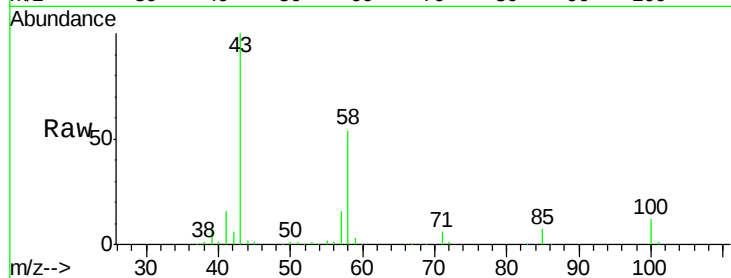
#59
2-Hexanone
Concen: 237.226 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 646617
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.9

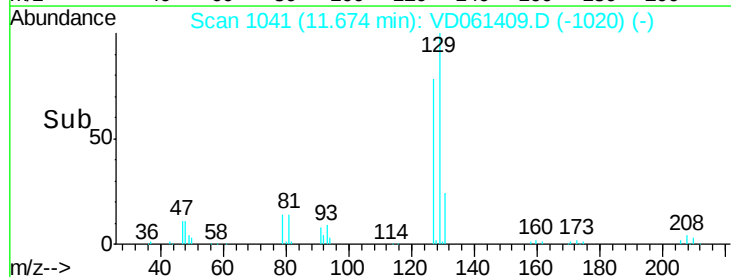
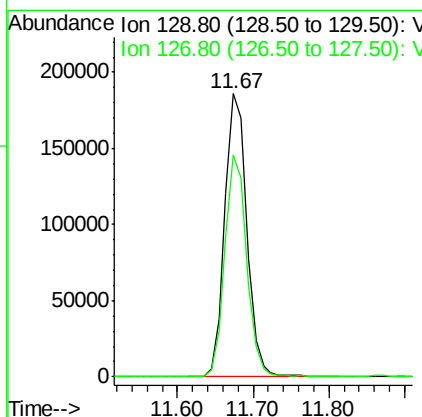
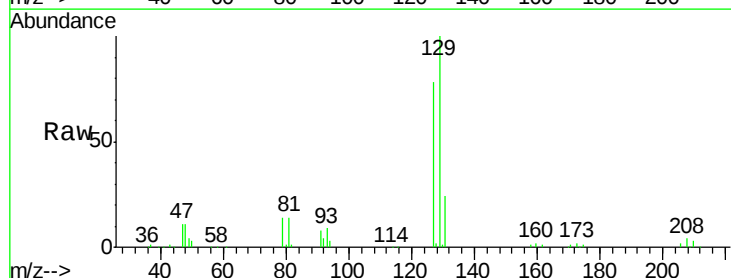
Manual Integrations
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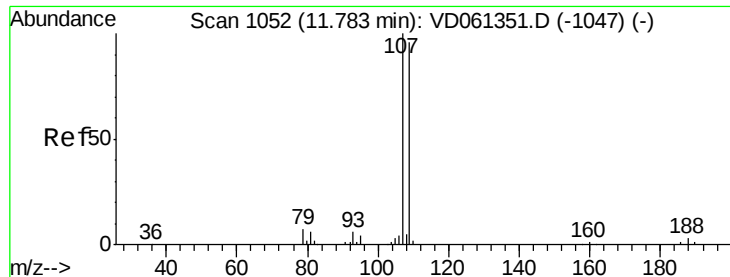
MMDadoda
4/2/2019 11:31:41 AM



#60
Dibromochloromethane
Concen: 45.840 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 129 Resp: 376033
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 46.971 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 289415

Ion Ratio Lower Upper

107 100

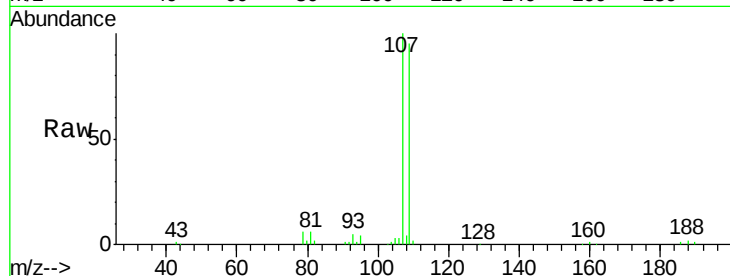
109 95.1 76.6 114.8

Manual Integrations

APPROVED

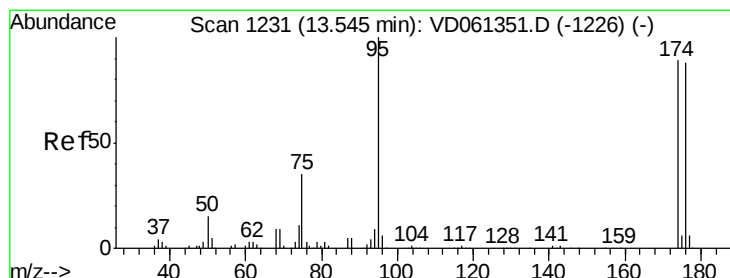
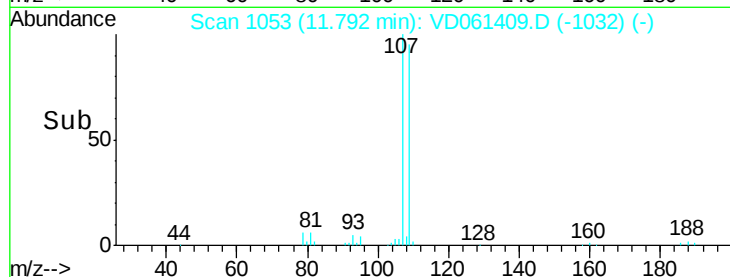
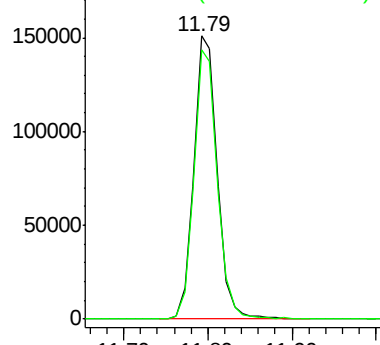
MMDadoda

4/2/2019 11:31:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 46.971 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

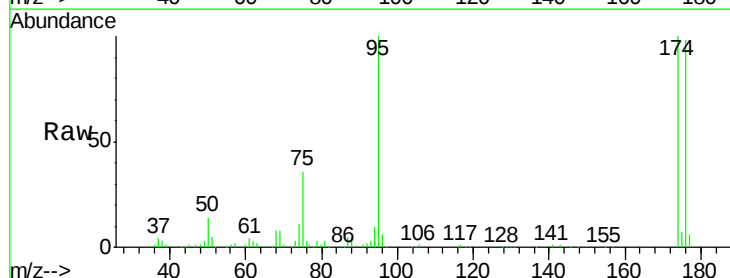
Tgt Ion: 95 Resp: 369121

Ion Ratio Lower Upper

95 100

174 100.0 0.0 178.0

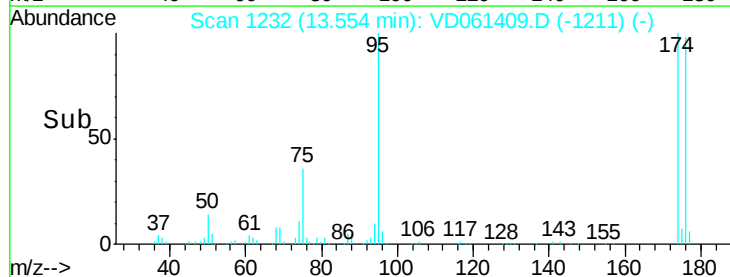
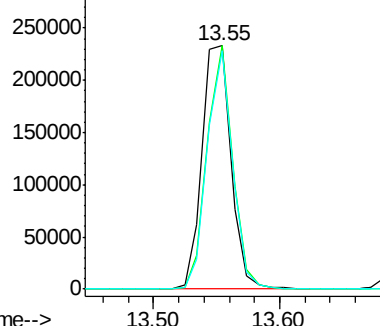
176 97.8 0.0 175.0



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





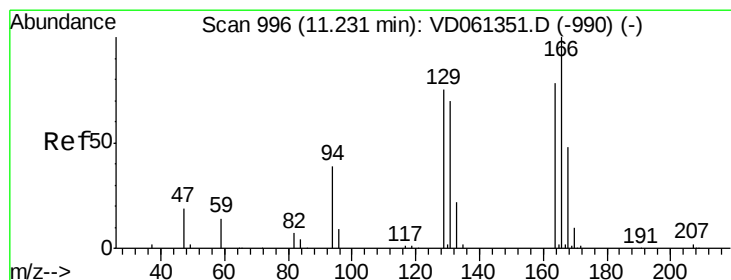
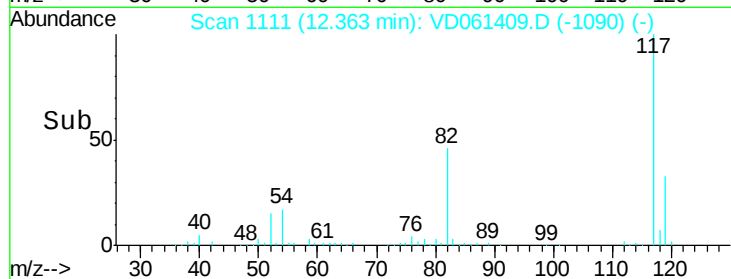
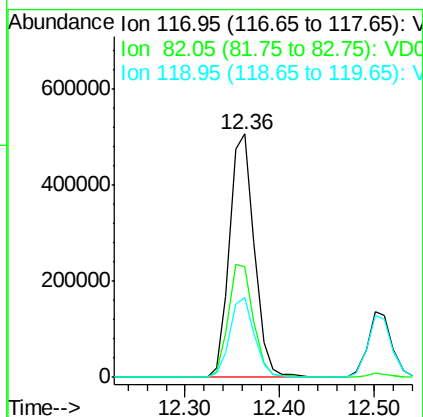
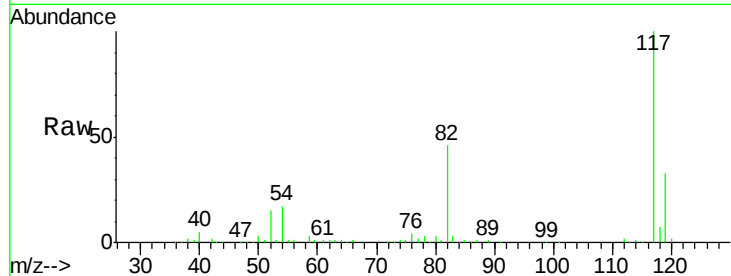
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.6	34.4	51.6
119	32.9	25.8	38.6

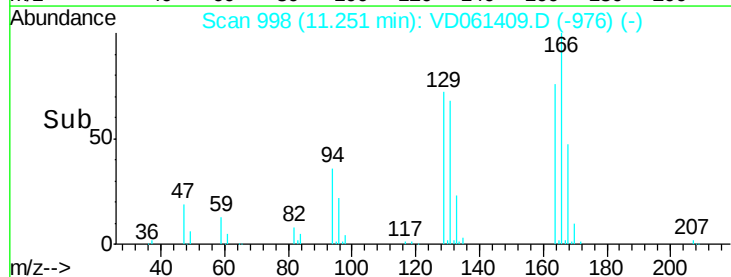
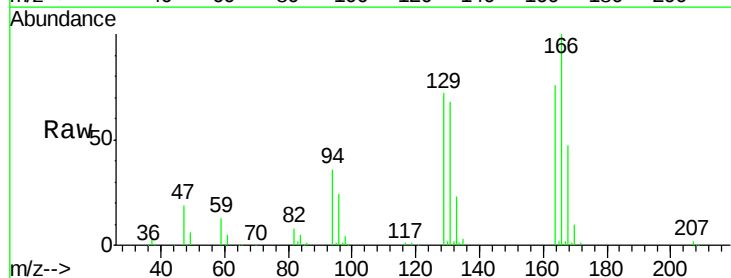
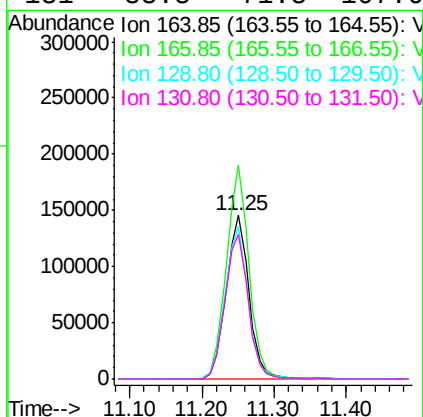
Manual Integrations
APPROVED

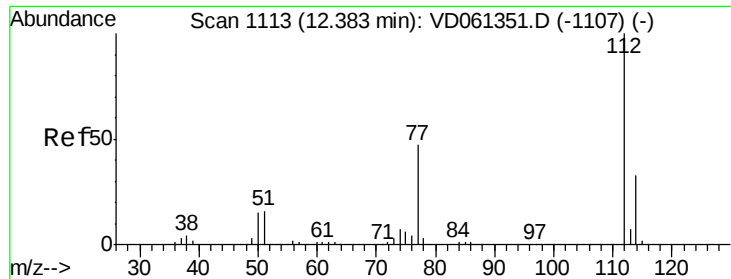
MMDadoda
4/2/2019 11:31:41 AM



#64
Tetrachloroethene
Concen: 44.044 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.4	153.6
129	93.7	76.8	115.2
131	88.8	71.8	107.6





#65

Chlorobenzene

Concen: 46.322 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 871936

Ion Ratio Lower Upper

112 100

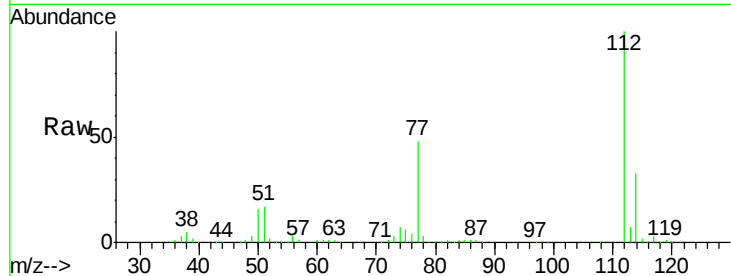
114 33.1 26.6 39.8

Manual Integrations

APPROVED

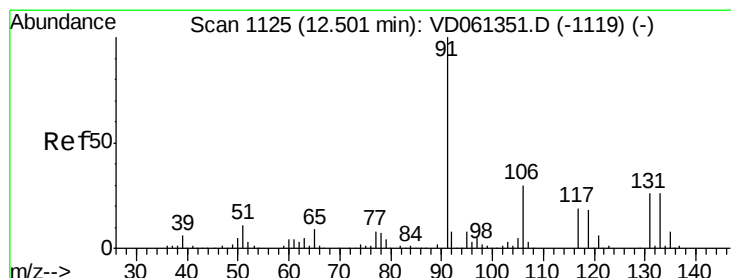
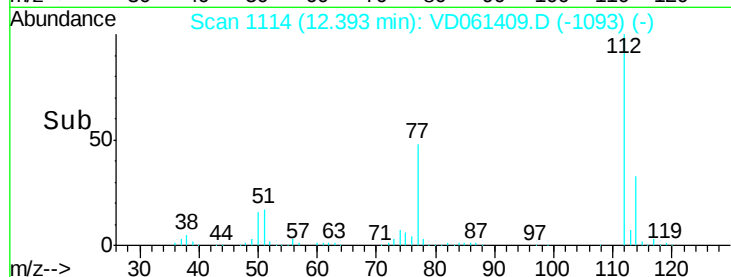
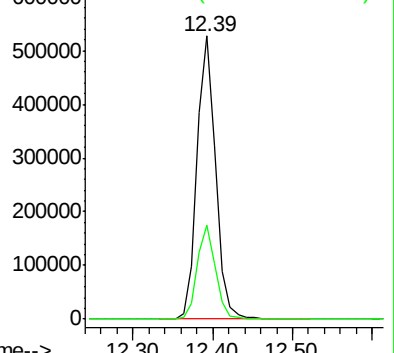
MMDadoda

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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: 45.514 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

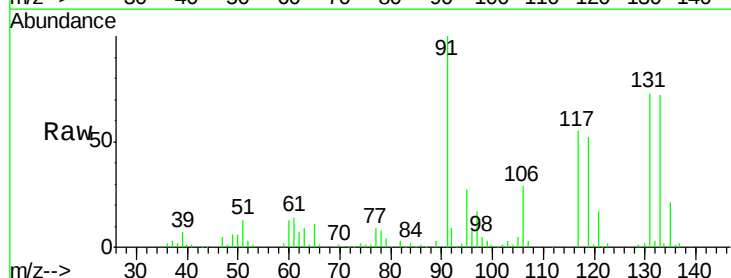
Tgt Ion:131 Resp: 331716

Ion Ratio Lower Upper

131 100

133 97.6 49.4 148.2

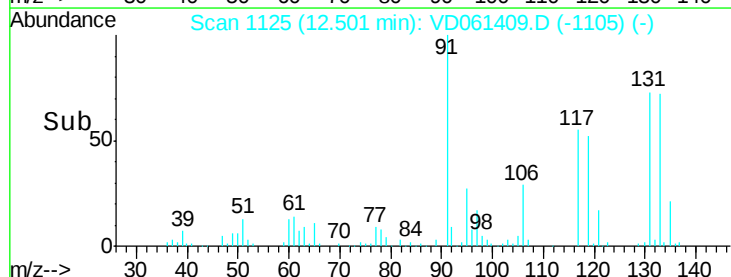
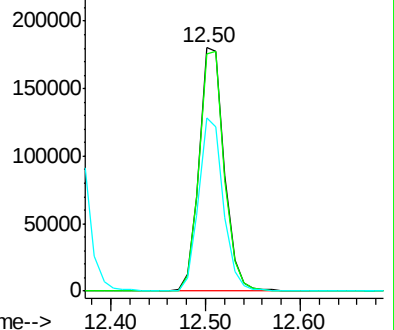
119 71.1 34.1 102.2



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: 44.068 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 1266148

Ion Ratio Lower Upper

91 100

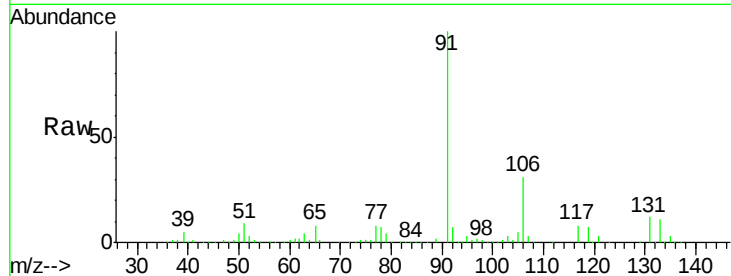
106 31.3 26.1 39.1

Manual Integrations

APPROVED

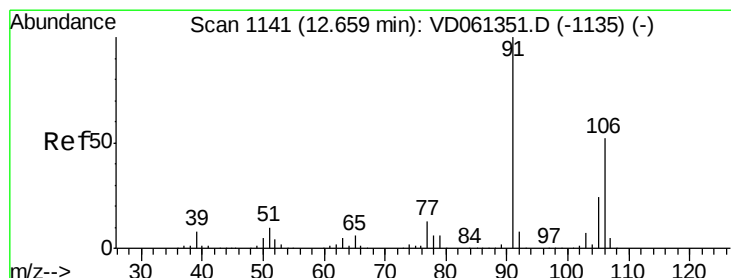
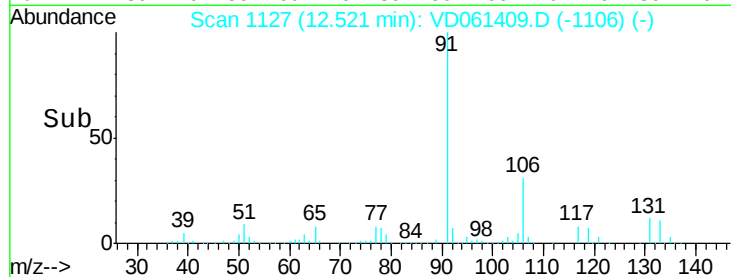
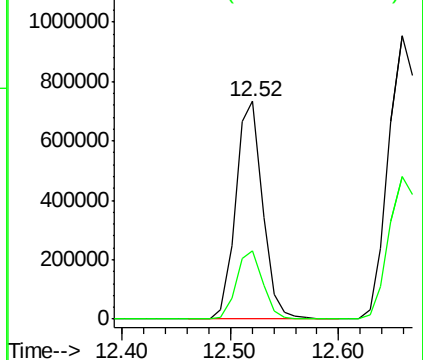
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 89.773 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD061409.D

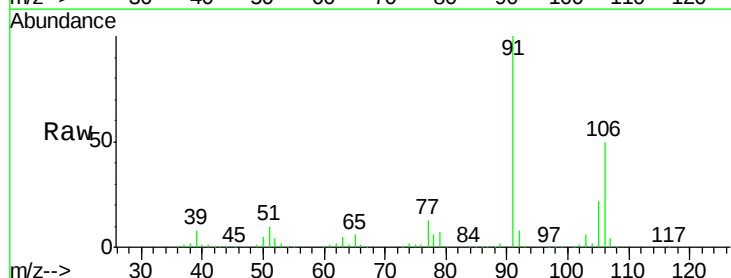
Acq: 29 Mar 2019 00:09

Tgt Ion: 106 Resp: 977060

Ion Ratio Lower Upper

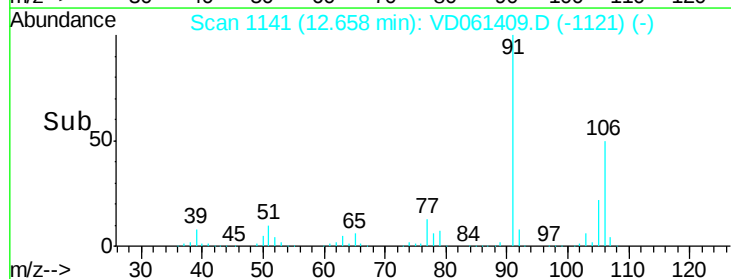
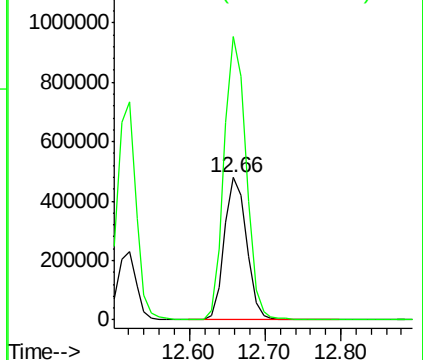
106 100

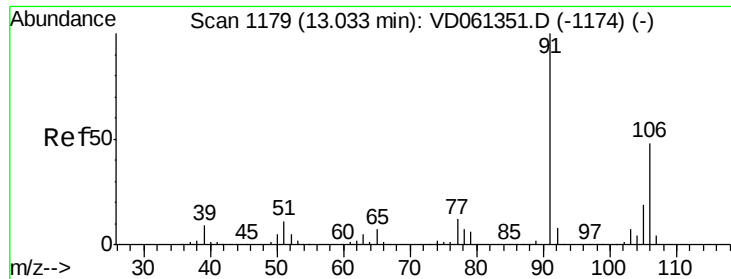
91 198.9 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





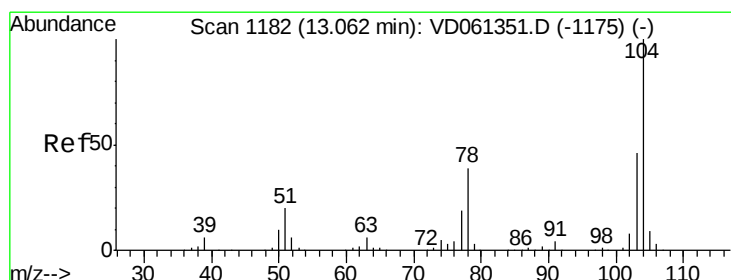
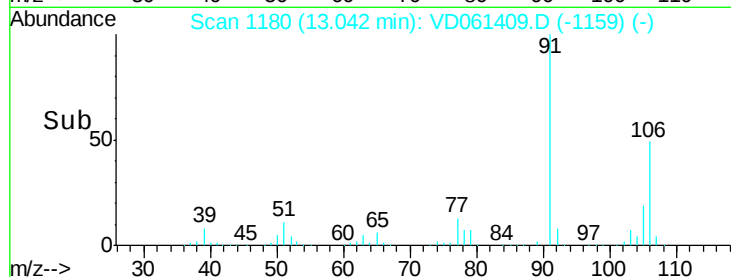
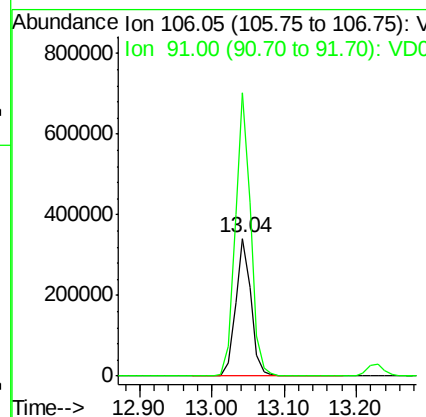
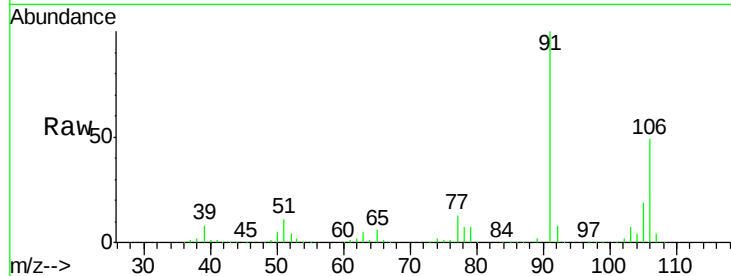
#69
o-Xylene
Concen: 47.757 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.6	103.8	311.3		

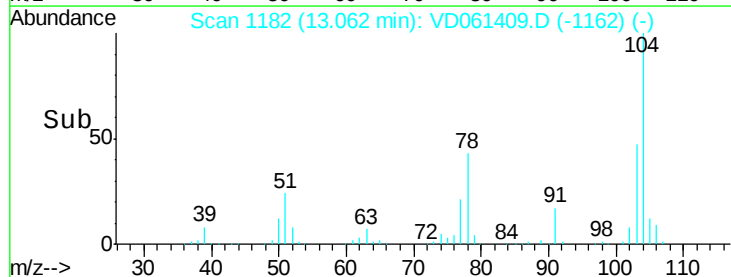
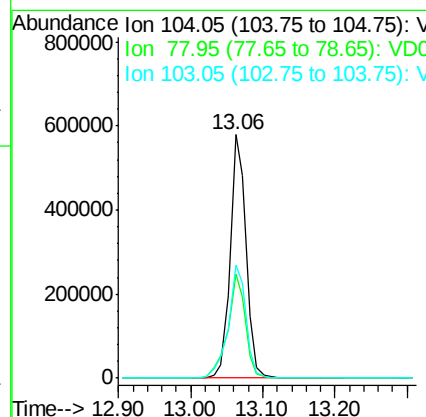
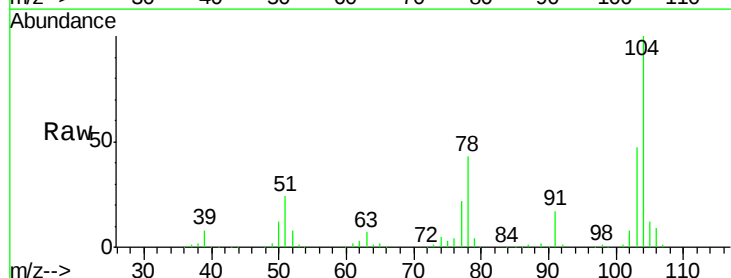
Manual Integrations
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#70
Styrene
Concen: 47.767 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	43.0	31.0	46.6		
103	46.6	37.0	55.4		





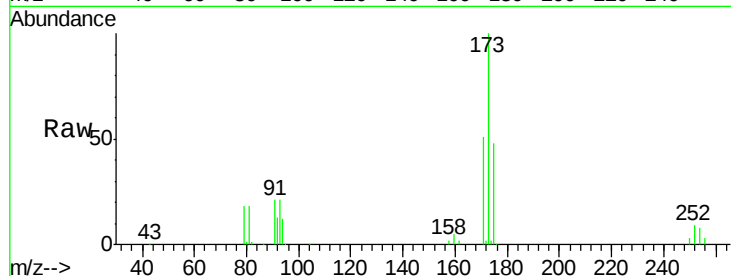
#71
Bromoform
Concen: 44.930 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

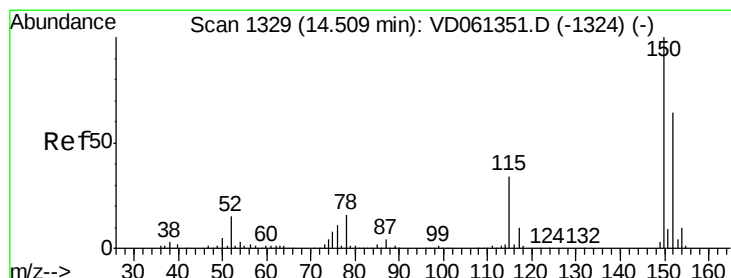
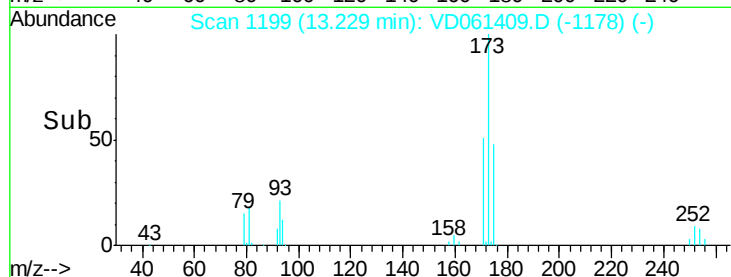
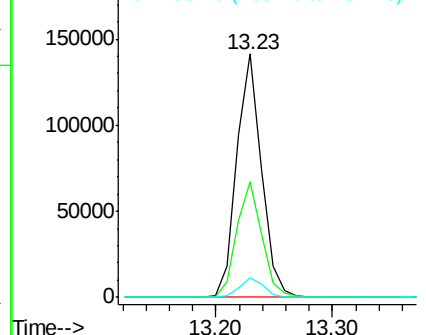
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	8.0	6.6	10.0

Manual Integrations
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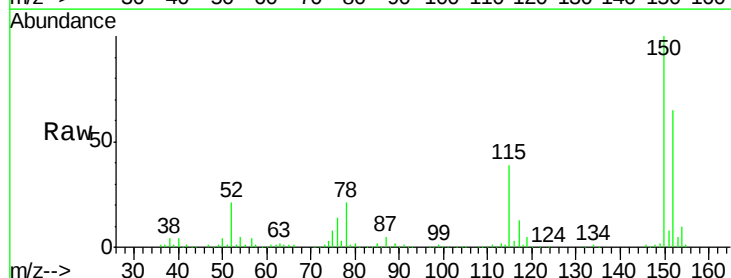


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

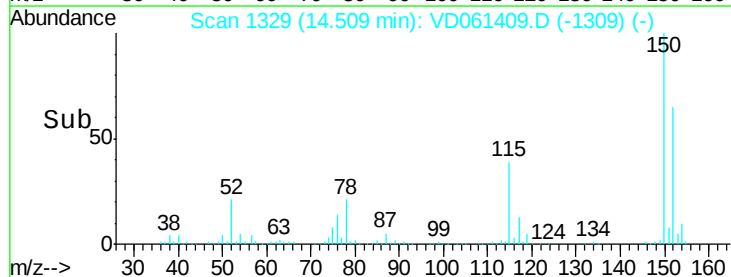
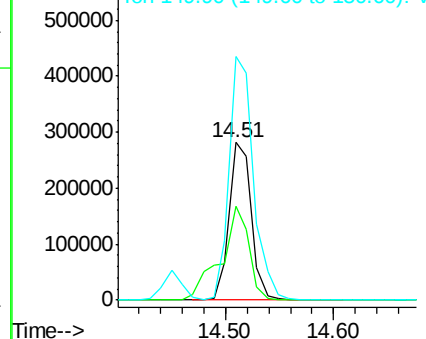


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	26.9	80.6
150	154.3	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: 44.471 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1240581

Ion Ratio Lower Upper

105 100

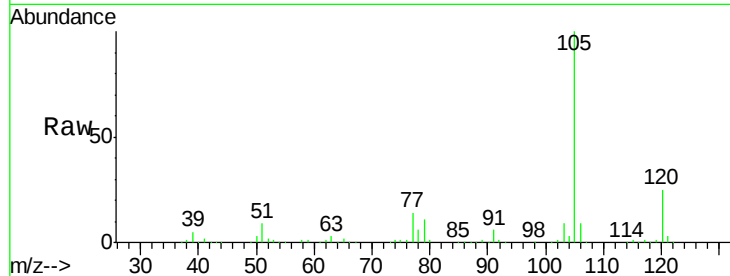
120 24.8 12.8 38.3

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

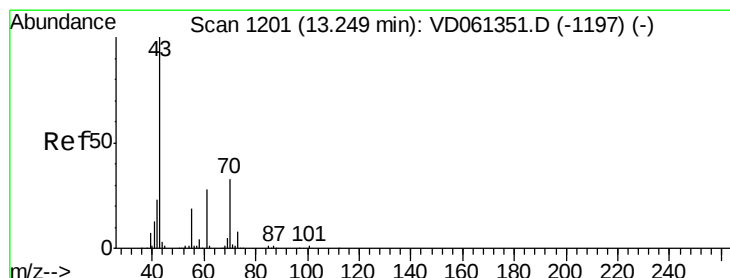
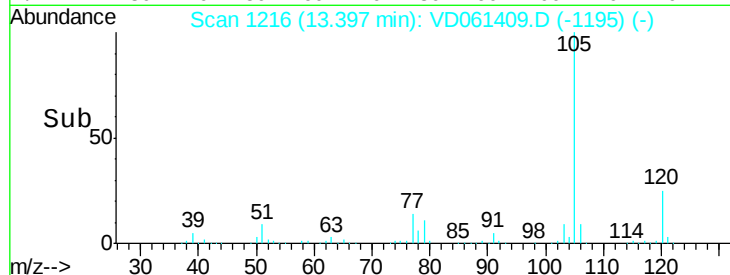
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 46.185 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion: 43 Resp: 358909

Ion Ratio Lower Upper

43 100

70 33.1 26.6 40.0

55 18.7 15.4 23.2

61 26.7 22.2 33.4

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

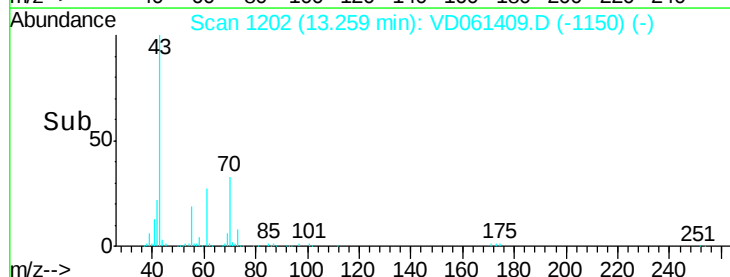
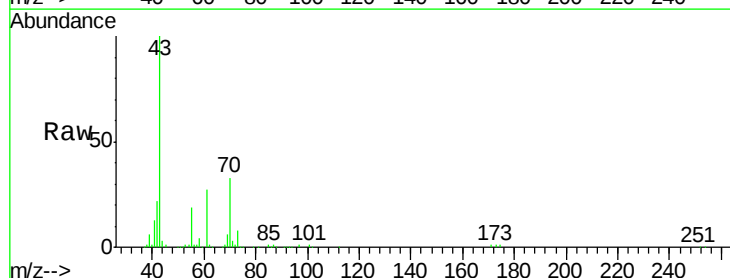
200000

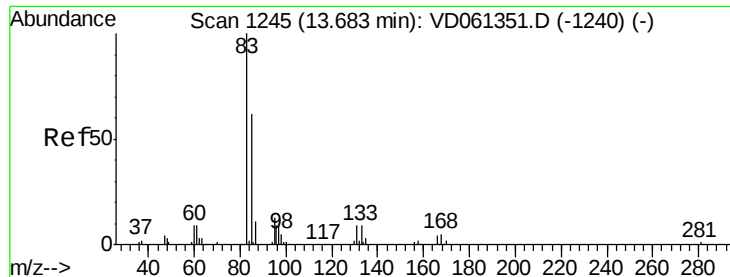
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.821 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

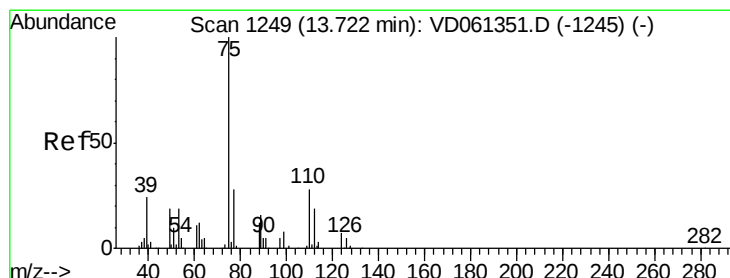
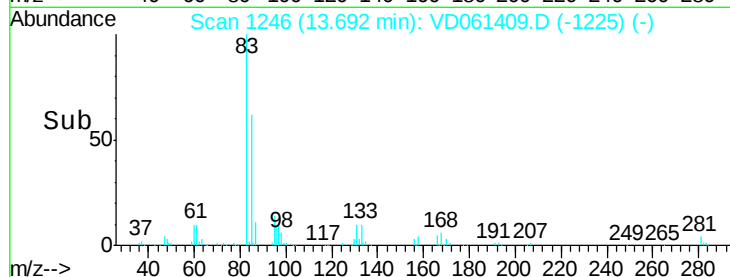
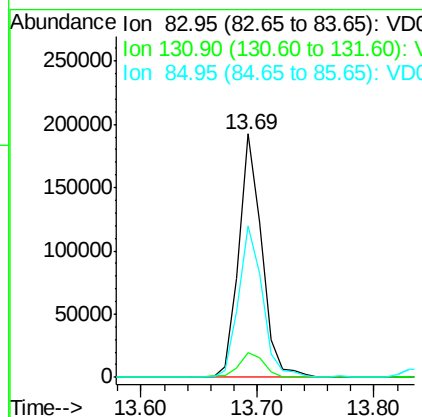
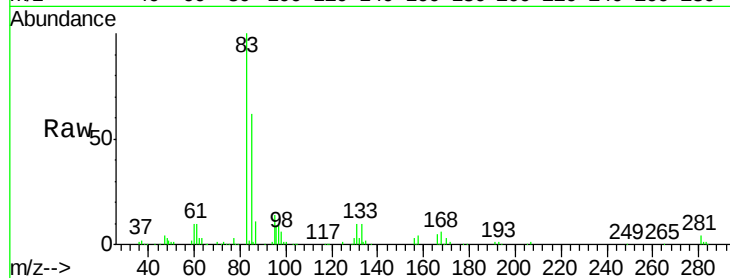
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	263759
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.3	13.1
85	62.2	31.2	93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.427 ug/l

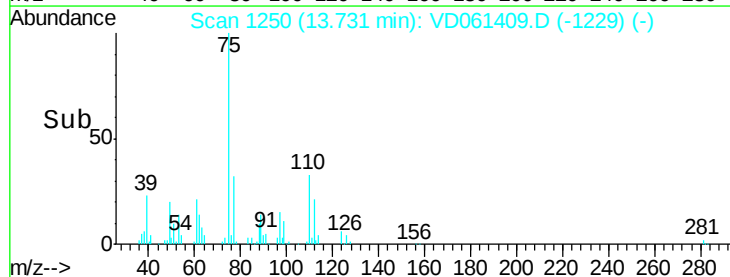
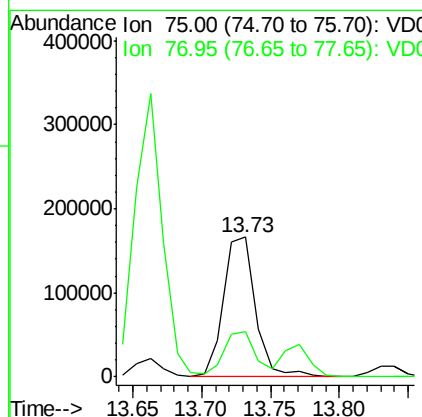
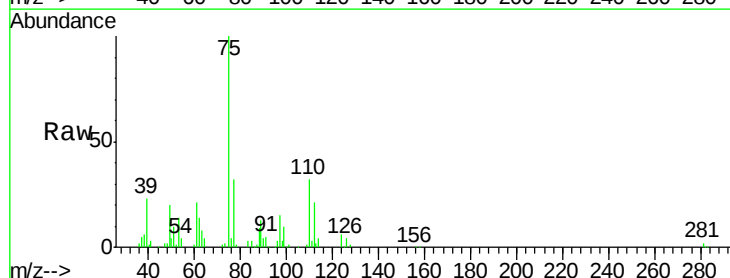
RT: 13.73 min Scan# 1250

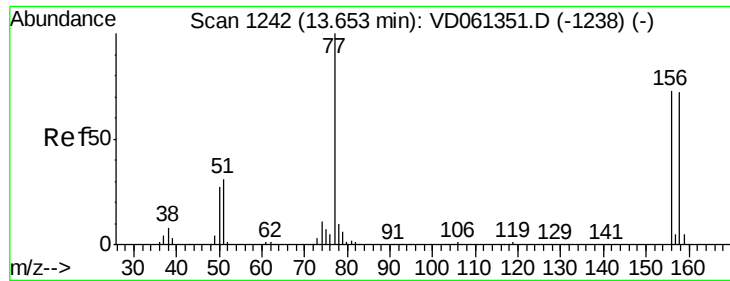
Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	75	Resp:	268808
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.2	48.5





#77

Bromobenzene

Concen: 46.673 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 385989

Ion Ratio Lower Upper

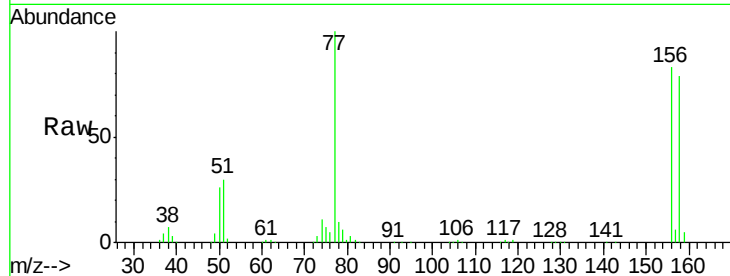
156 100

77 120.7 68.5 205.6

158 95.6 49.1 147.3

Manual Integrations
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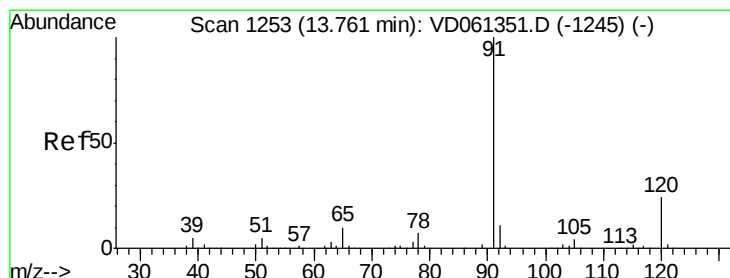
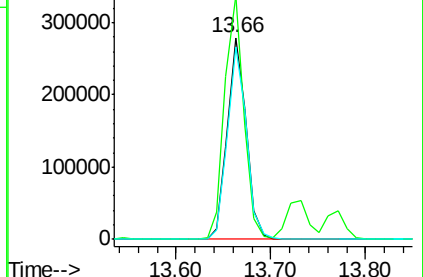
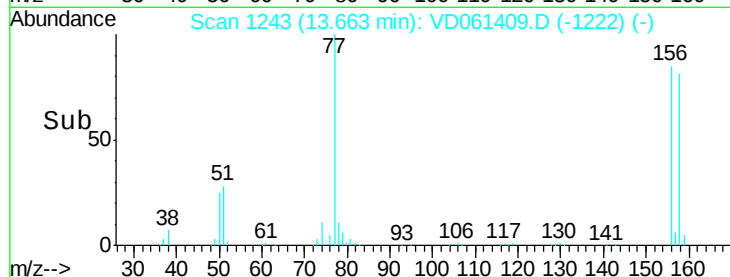
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.915 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061409.D

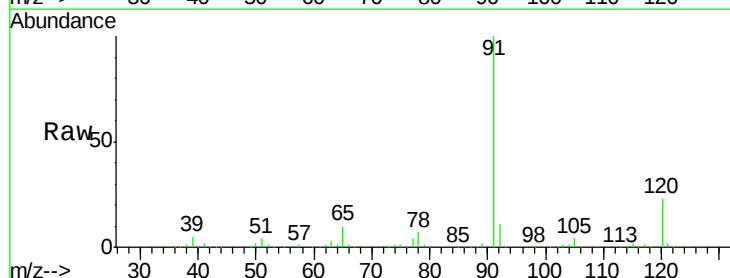
Acq: 29 Mar 2019 00:09

Tgt Ion: 91 Resp: 1533319

Ion Ratio Lower Upper

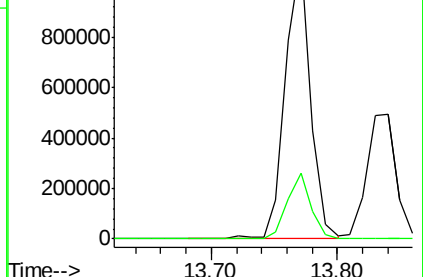
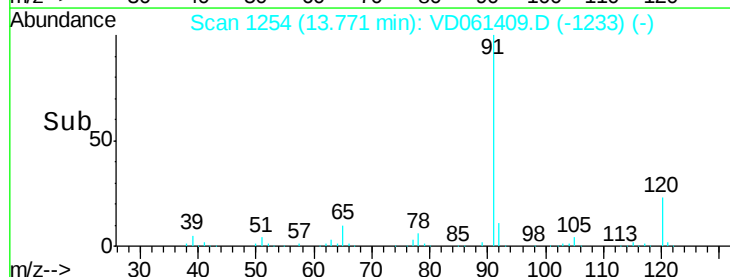
91 100

120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





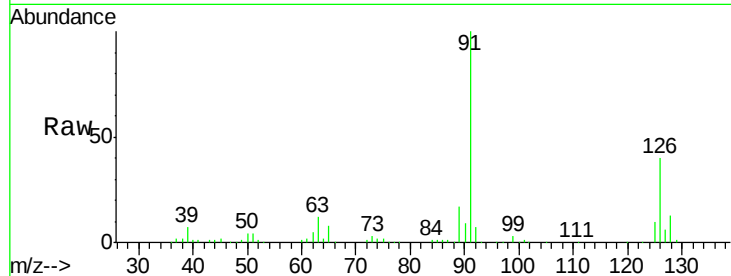
#79
 2-Chlorotoluene
 Concen: 42.686 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

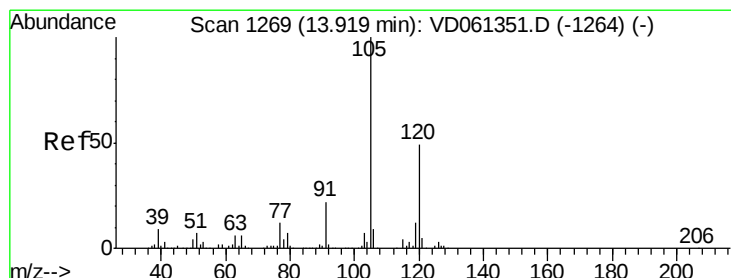
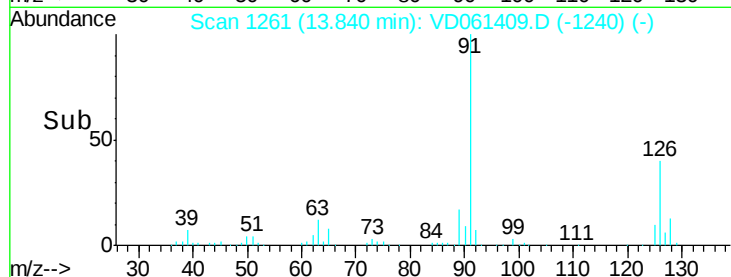
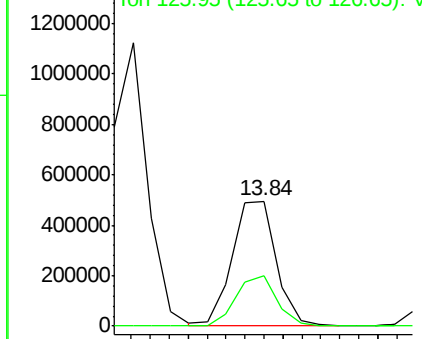
Tot Ion: 91 Resp: 791235
 Ion Ratio Lower Upper
 91 100
 126 40.4 19.4 58.2

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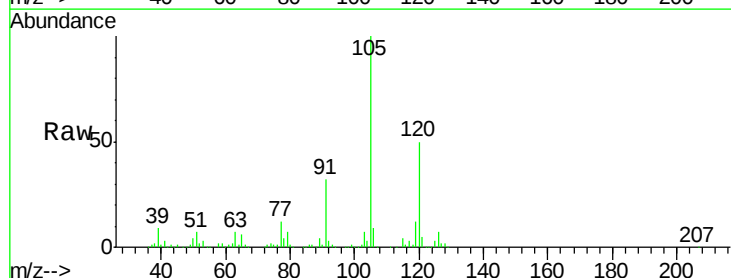


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

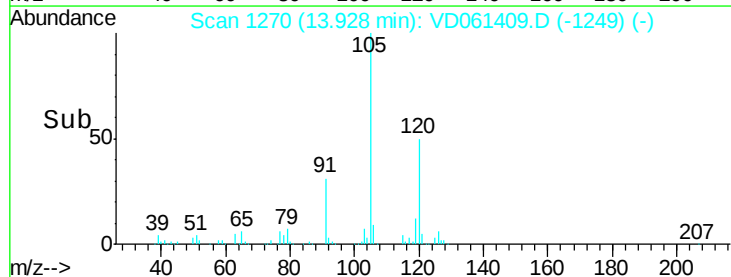
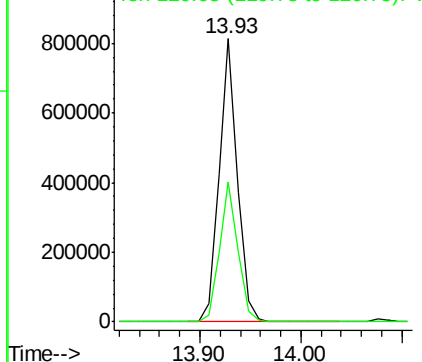


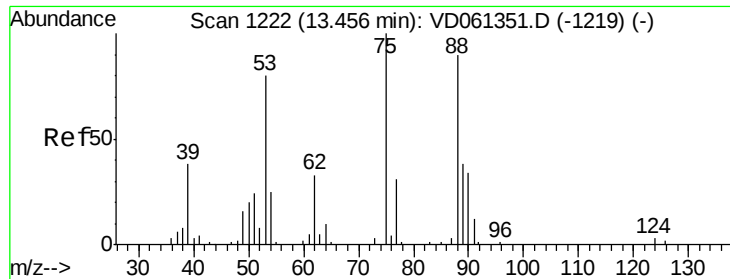
#80
 1,3,5-Trimethylbenzene
 Concen: 47.510 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 105 Resp: 1028322
 Ion Ratio Lower Upper
 105 100
 120 49.5 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: 47.718 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

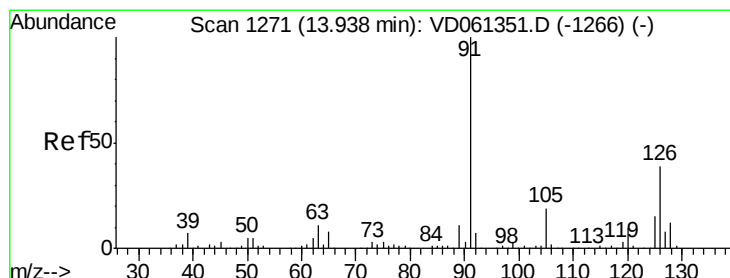
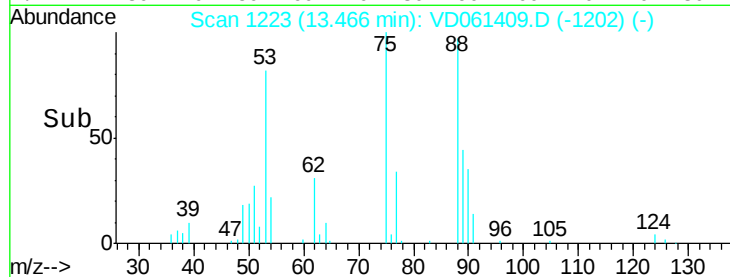
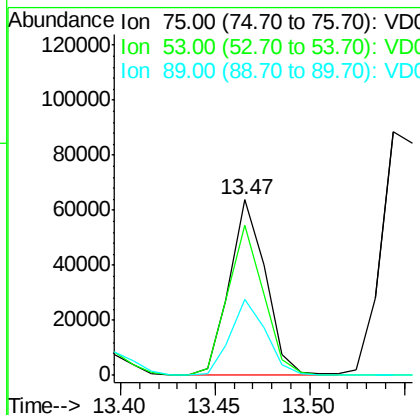
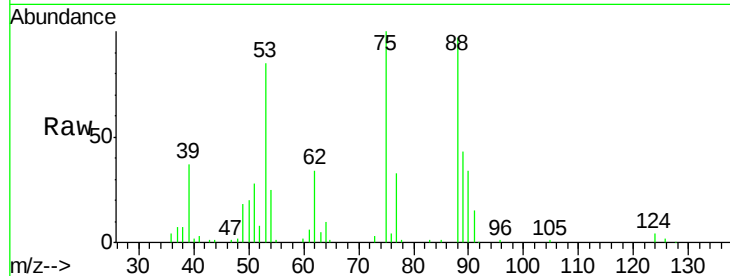
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	84238
Ion Ratio	Lower	Upper	
75	100		
53	85.3	63.8	95.8
89	43.2	30.5	45.7

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#82

4-Chlorotoluene

Concen: 48.317 ug/l

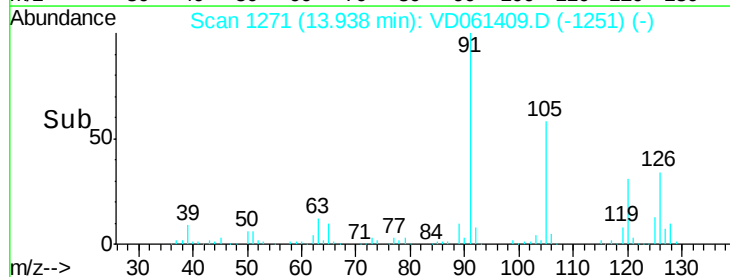
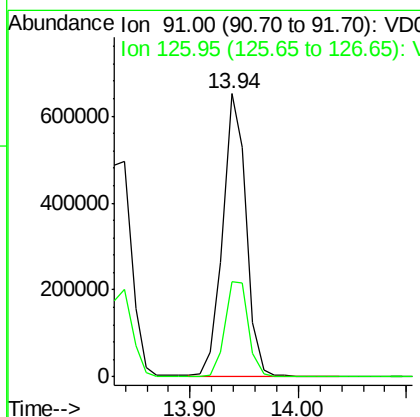
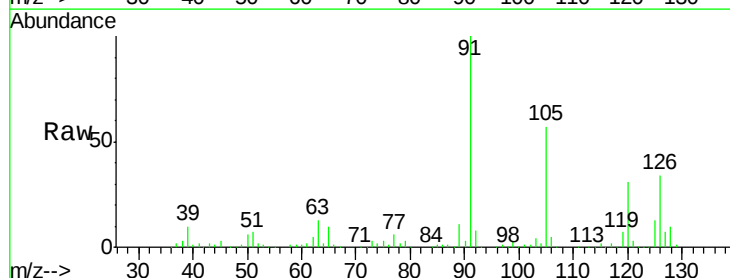
RT: 13.94 min Scan# 1271

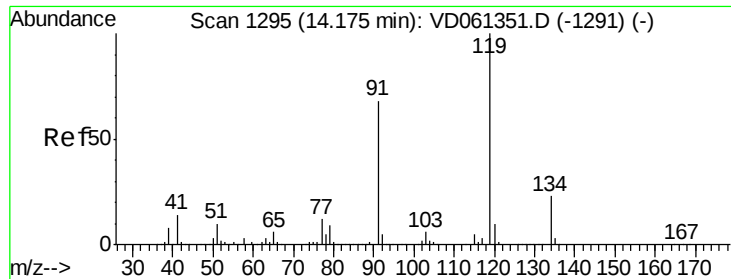
Delta R.T. -0.00 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion:	91	Resp:	973840
Ion Ratio	Lower	Upper	
91	100		
126	33.7	19.6	58.8





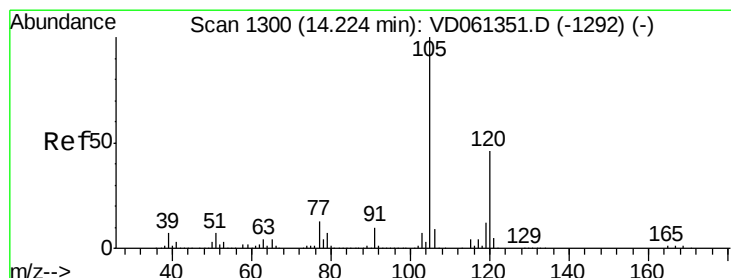
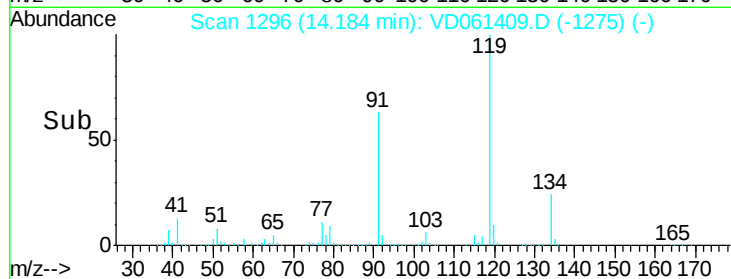
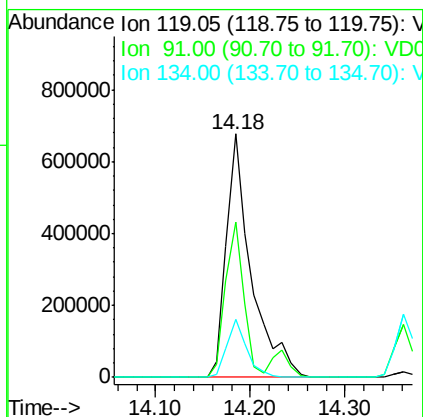
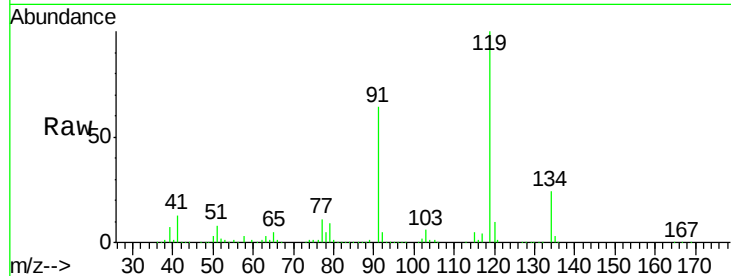
#83
tert-Butylbenzene
Concen: 45.710 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	34.1	102.3
134	23.7	11.6	34.8

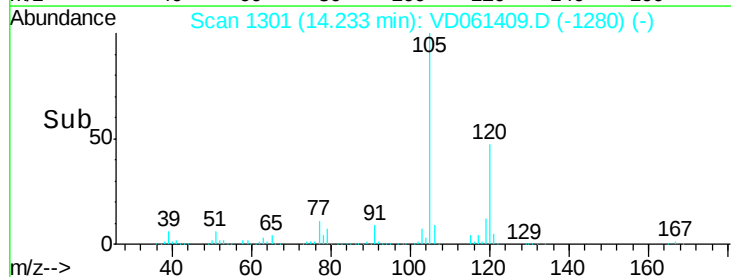
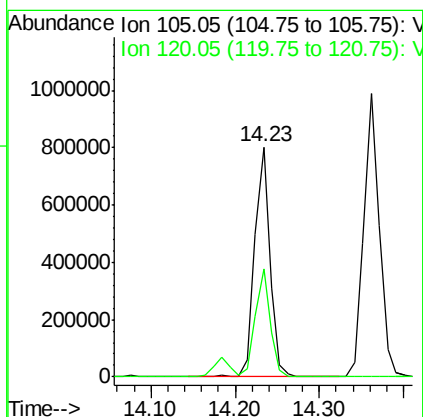
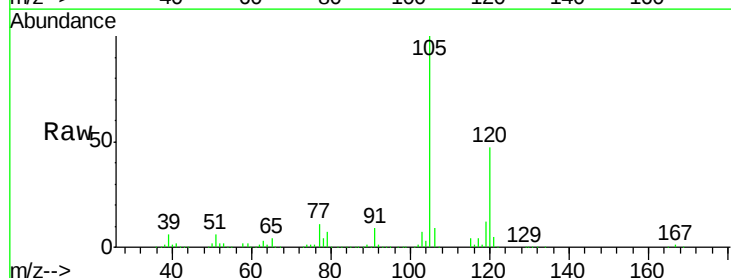
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#84
1,2,4-Trimethylbenzene
Concen: 43.914 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 44.156 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1268844

Ion Ratio Lower Upper

105 100

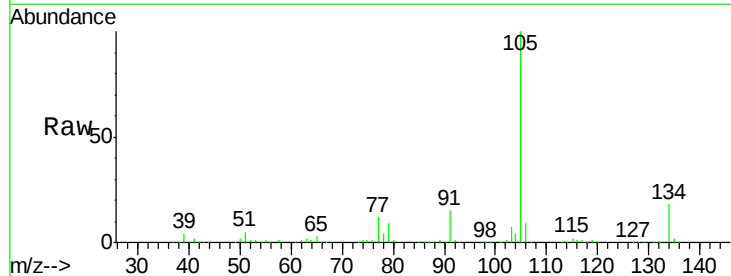
134 18.0 8.7 26.1

Manual Integrations

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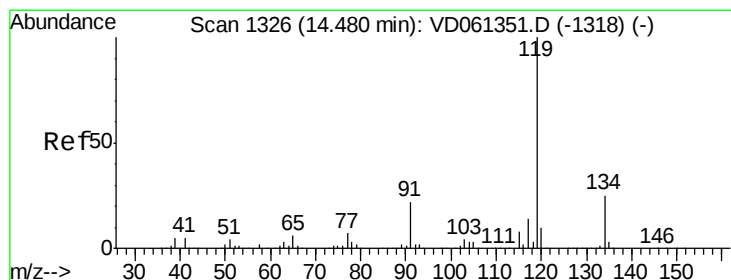
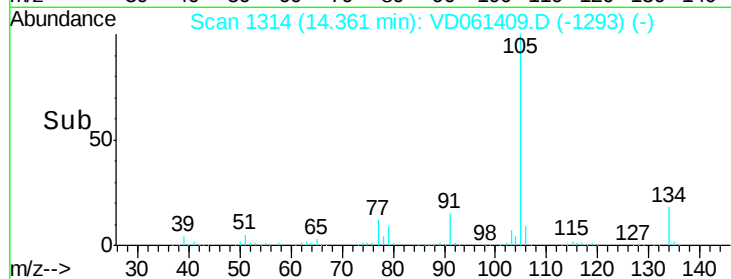
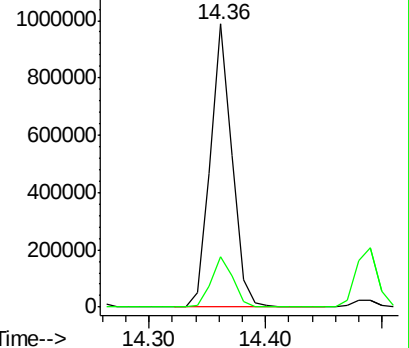
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.631 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

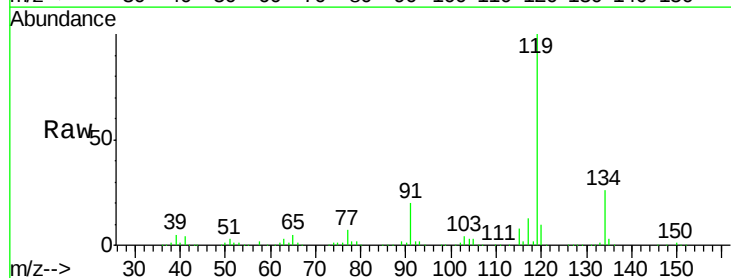
Tgt Ion:119 Resp: 1108784

Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

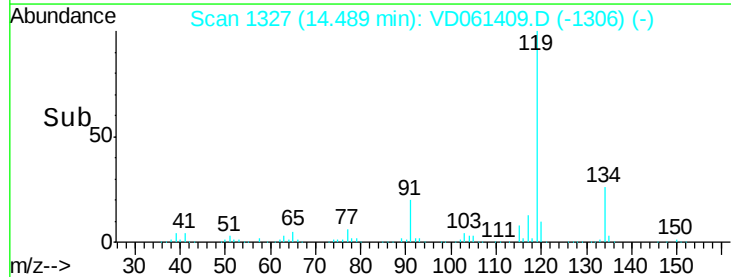
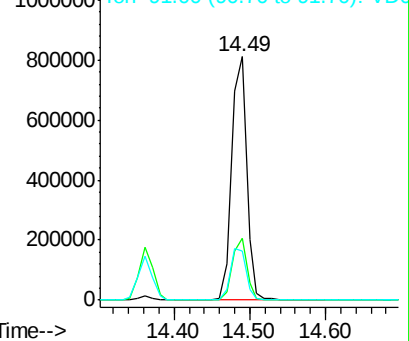
91 20.1 11.1 33.1



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





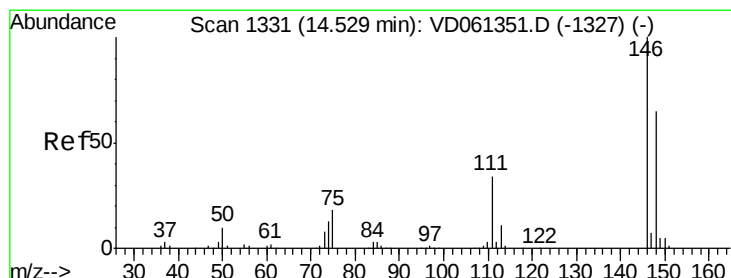
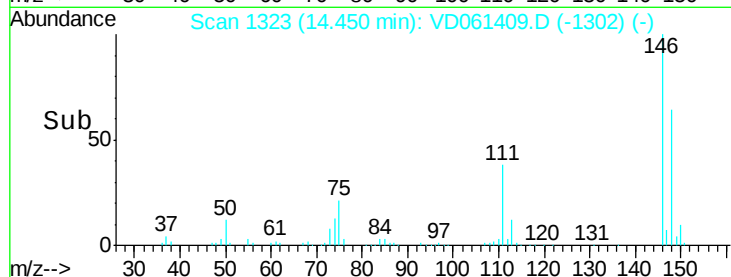
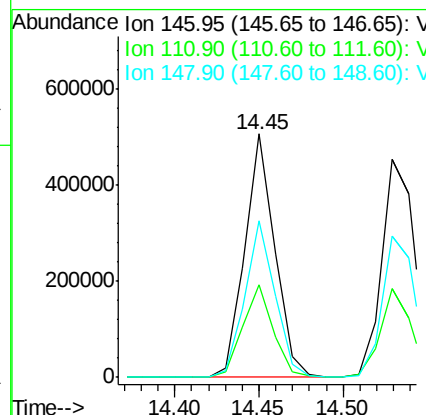
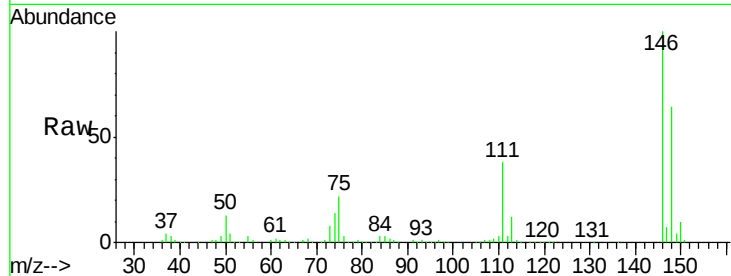
#87
 1,3-Dichlorobenzene
 Concen: 44.976 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.6	61.9
148	64.2	31.1	93.3

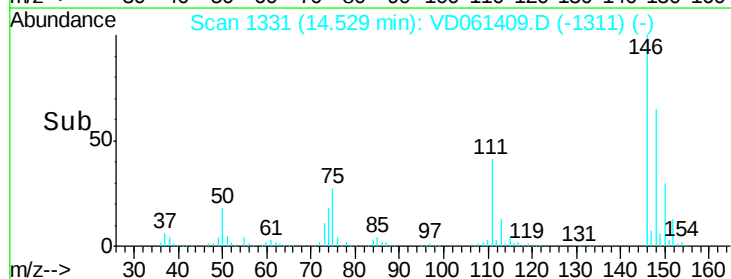
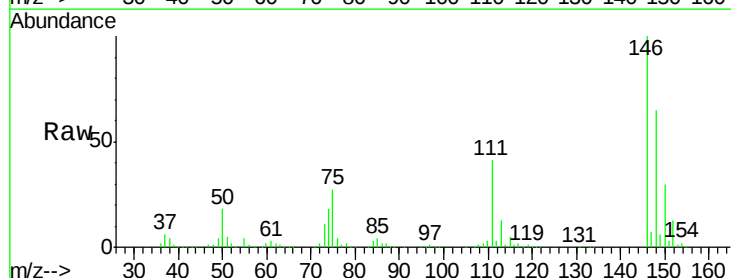
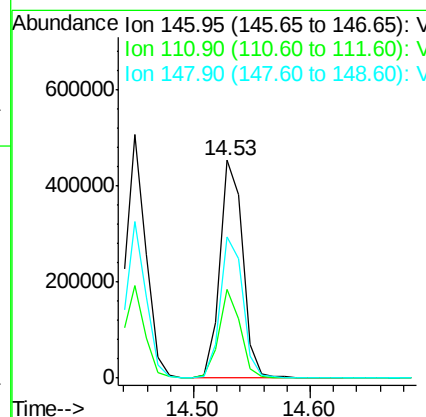
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#88
 1,4-Dichlorobenzene
 Concen: 45.039 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	16.8	50.4
148	64.7	32.6	98.0





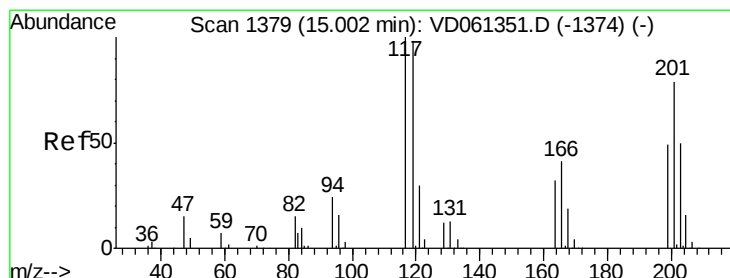
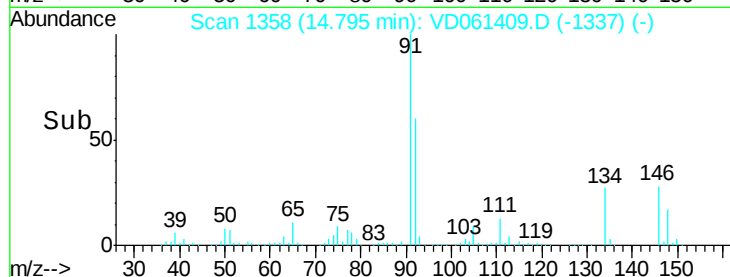
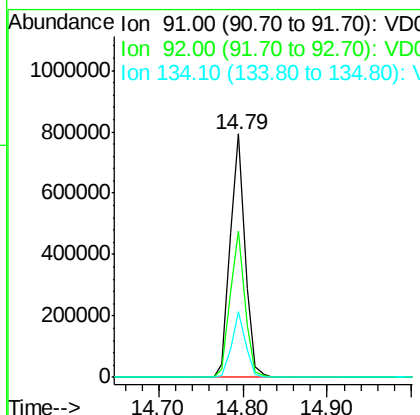
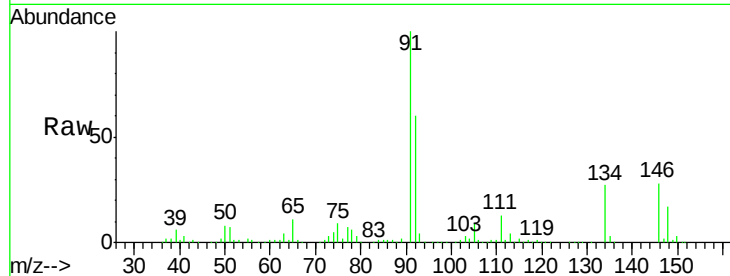
#89
n-Butylbenzene
Concen: 43.592 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.9	30.3	91.0
134	27.2	12.4	37.0

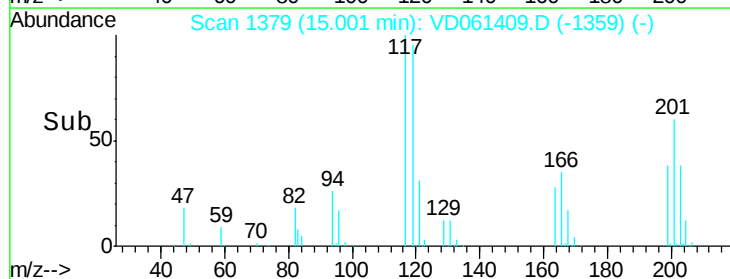
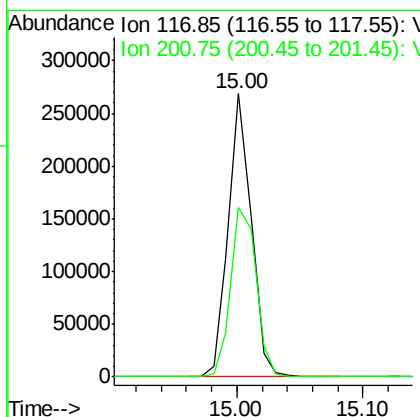
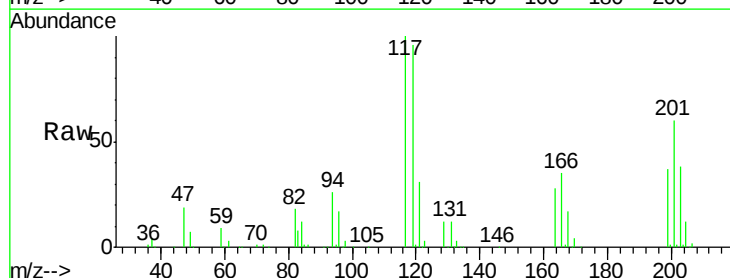
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#90
Hexachloroethane
Concen: 49.225 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.7	39.6	119.0





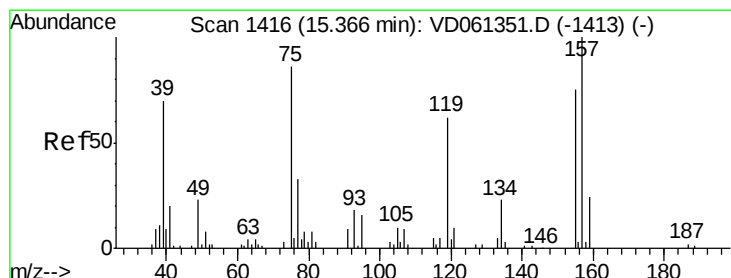
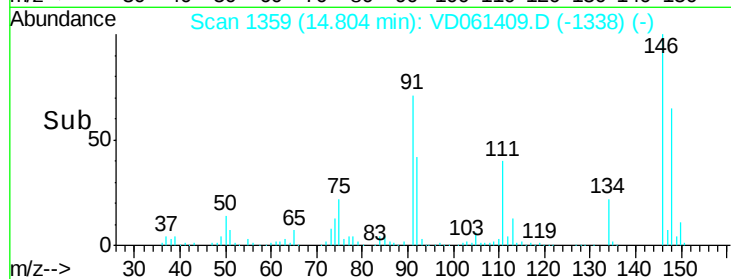
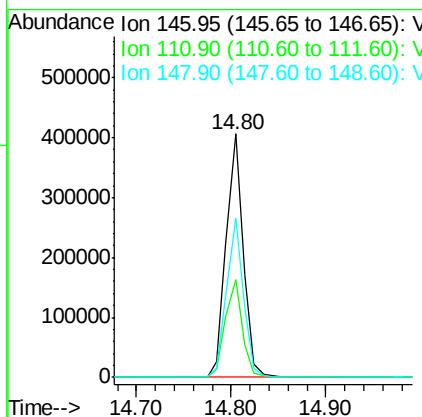
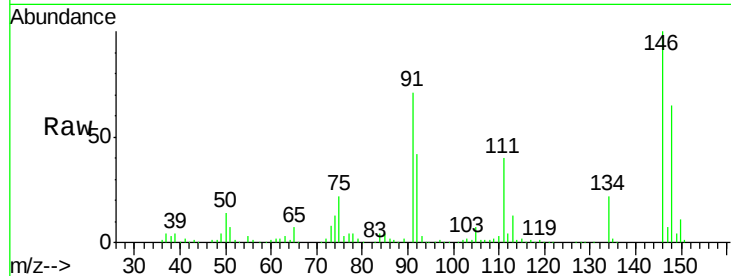
#91
 1,2-Dichlorobenzene
 Concen: 44.151 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.2	63.6
148	65.3	31.6	95.0

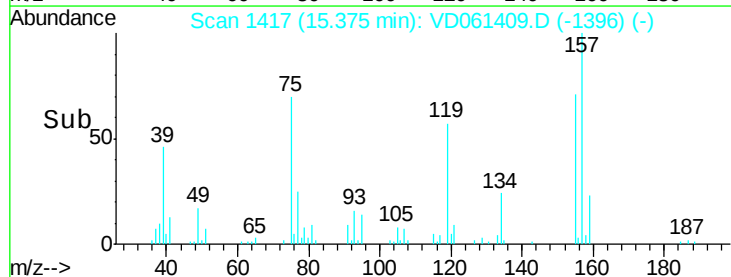
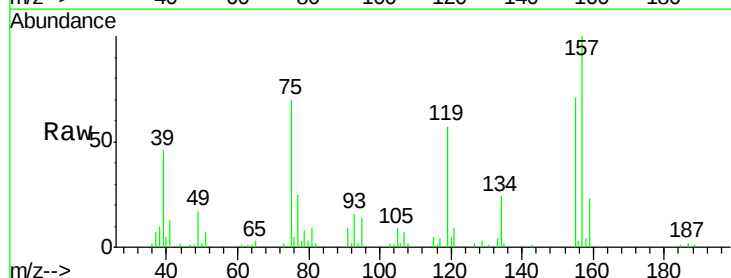
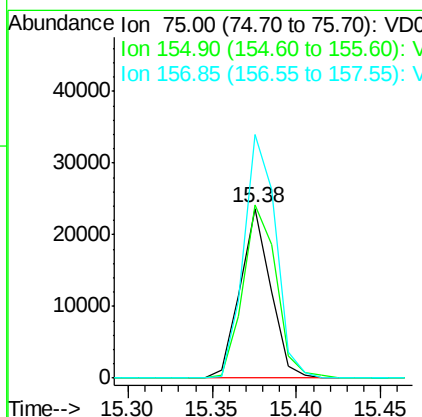
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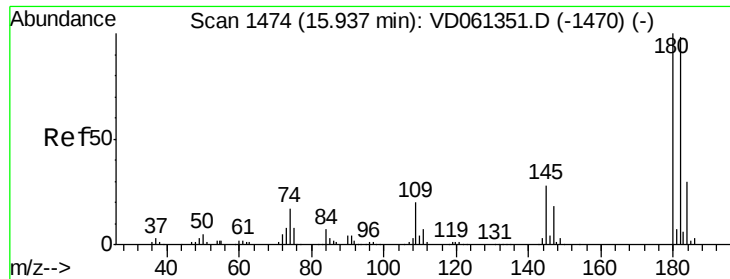
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.172 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	43.6	130.9
157	143.7	58.5	175.3





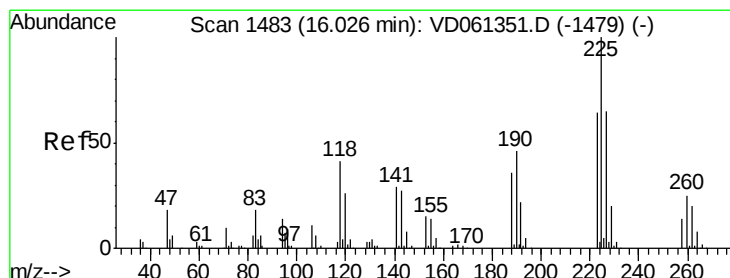
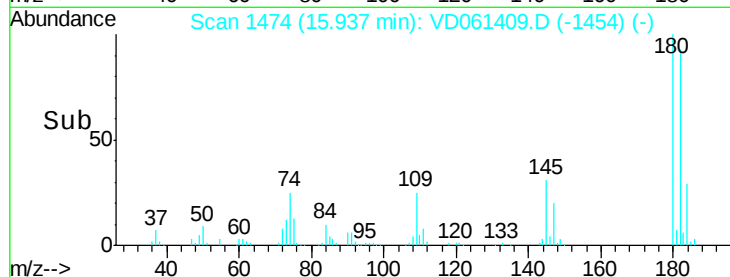
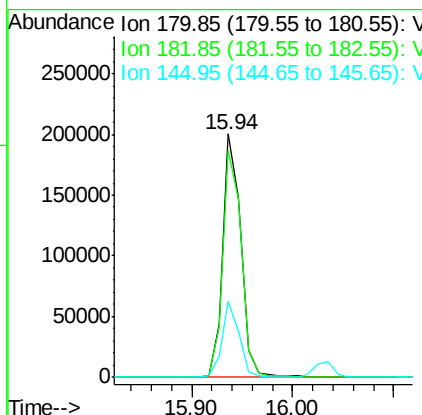
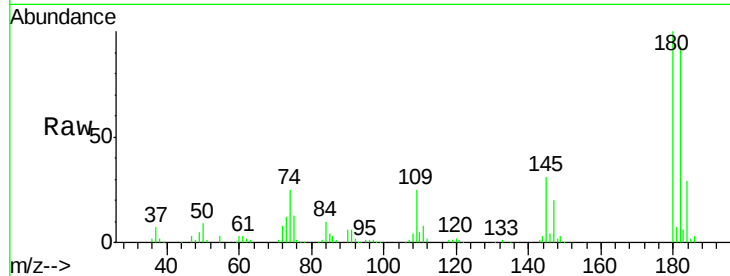
#93
 1,2,4-Trichlorobenzene
 Concen: 48.358 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	253049		
182	93.3	48.9	146.8	
145	31.0	14.1	42.3	

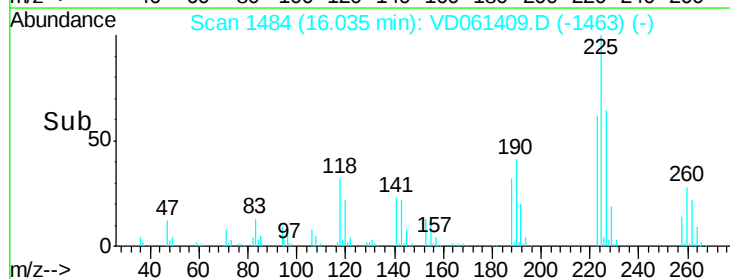
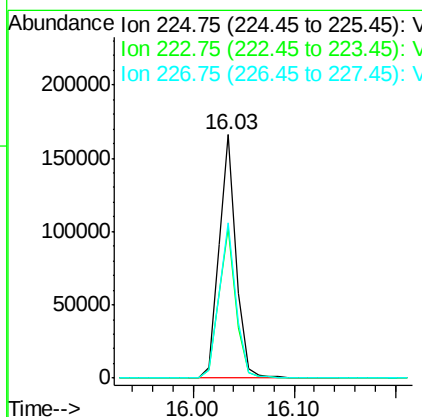
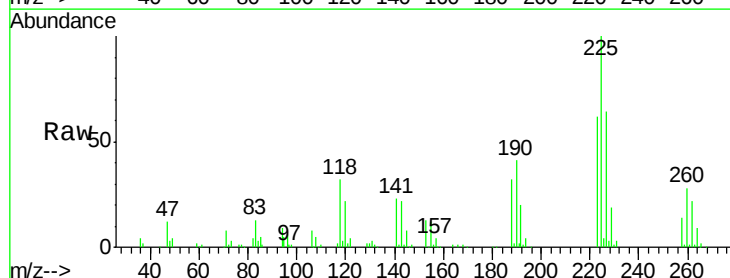
Manual Integrations
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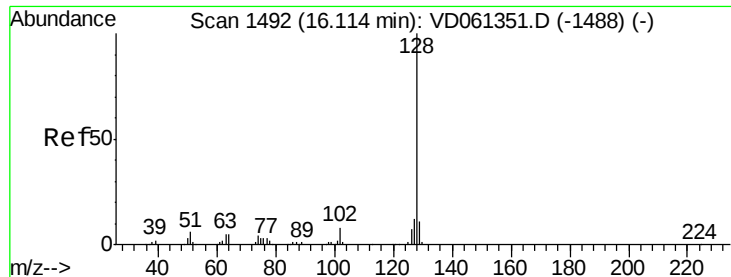
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#94
 Hexachlorobutadiene
 Concen: 48.461 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198159		
223	61.5	32.0	96.0	
227	63.9	32.4	97.2	





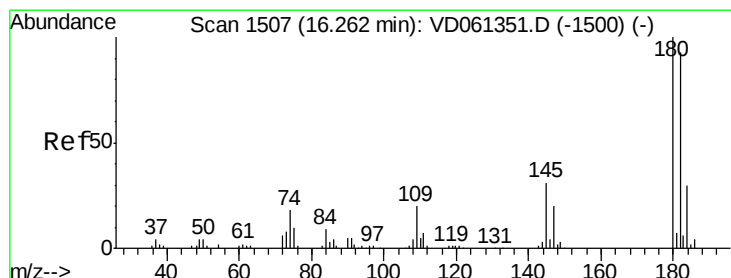
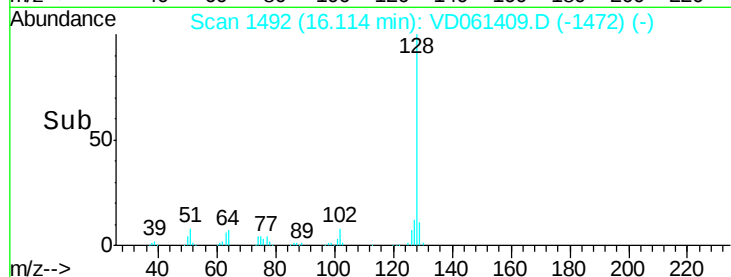
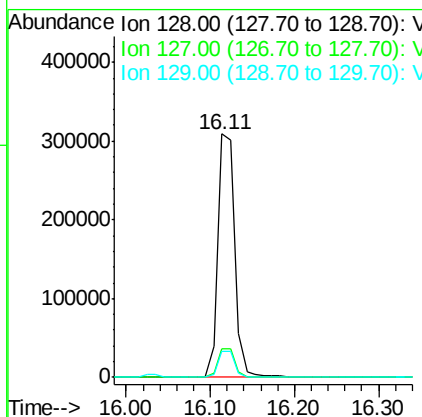
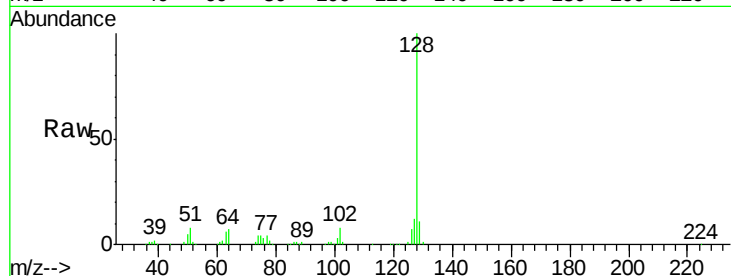
#95
Naphthalene
Concen: 54.051 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	431123		
127	12.0		9.9	14.9
129	10.5		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/2/2019 11:31:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 61.554 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141738		
182	98.1		46.4	139.1
145	33.9		15.3	45.9

