

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061983.D
 Acq On : 23 Apr 2019 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 1:46:07 PM

Quant Time: Apr 24 03:56:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	528374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	896261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	752619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	319005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	246670	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
35) Dibromofluoromethane	6.93	113	361366	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
50) Toluene-d8	10.42	98	767197	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	13.56	95	323499	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	237428	50.324	ug/l	99
3) Chloromethane	1.75	50	189322	47.213	ug/l	97
4) Vinyl Chloride	1.85	62	176493	48.561	ug/l	100
5) Bromomethane	2.15	94	54932	59.946	ug/l	100
6) Chloroethane	2.26	64	74417	56.643	ug/l	96
7) Trichlorofluoromethane	2.54	101	294442	53.581	ug/l	99
8) Diethyl Ether	2.87	74	91443	62.087	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	284209	56.143	ug/l	99
10) Methyl Iodide	3.32	142	470513	59.813	ug/l	98
11) Tert butyl alcohol	4.06	59	92638	396.483	ug/l	100
12) 1,1-Dichloroethene	3.13	96	243365	56.507	ug/l	96
13) Acrolein	3.04	56	67775	279.569	ug/l	92
14) Allyl chloride	3.63	41	361708	61.505	ug/l	98
15) Acrylonitrile	4.19	53	265994	367.646	ug/l	97
16) Acetone	3.22	43	278534	282.089	ug/l	98
17) Carbon Disulfide	3.39	76	762939	61.303	ug/l	99
18) Methyl Acetate	3.64	43	134964	76.515	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	545771	63.868	ug/l	97
20) Methylene Chloride	3.82	84	291377	61.339	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	272286	55.111	ug/l	96
22) Diisopropyl ether	5.12	45	833674	60.717	ug/l #	84
23) Vinyl Acetate	5.07	43	2370896	331.578	ug/l	99
24) 1,1-Dichloroethane	4.99	63	500619	60.324	ug/l	99
25) 2-Butanone	6.07	43	399718	333.892	ug/l	98
26) 2,2-Dichloropropane	6.03	77	384463	53.104	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	334324	59.482	ug/l	96
28) Bromochloromethane	6.45	49	196227	61.797	ug/l	97
29) Tetrahydrofuran	6.47	42	205708	348.737	ug/l	99
30) Chloroform	6.67	83	572249	60.710	ug/l	99
31) Cyclohexane	6.97	56	342863	55.662	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	463941	56.569	ug/l	98
36) 1,1-Dichloropropene	7.16	75	350815	50.240	ug/l	98
37) Ethyl Acetate	6.18	43	193889	65.159	ug/l	96
38) Carbon Tetrachloride	7.13	117	454763m	51.395	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	348225	50.545	ug/l	98
40) Benzene	7.47	78	905071	52.355	ug/l	98
41) Methacrylonitrile	6.46	41	232498	66.965	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	326995	55.710	ug/l	97
43) Isopropyl Acetate	9.24	43	272959	62.781	ug/l	99
44) Trichloroethene	8.55	130	342466	51.099	ug/l	99
45) 1,2-Dichloropropane	8.95	63	244003	55.638	ug/l	100
46) Dibromomethane	9.07	93	193892	61.442	ug/l	97
47) Bromodichloromethane	9.38	83	421987	56.594	ug/l	99
48) Methyl methacrylate	9.12	41	157152	63.351	ug/l	98
49) 1,4-Dioxane	9.09	88	36704	1372.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	849361	319.436	ug/l	100
52) Toluene	10.51	92	589885	53.516	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	388991	62.152	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	451122	59.263	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	233908	63.210	ug/l	98
56) Ethyl methacrylate	11.05	69	251604	61.390	ug/l	95
57) 1,3-Dichloropropane	11.42	76	343778	60.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	567966	298.069	ug/l	97
59) 2-Hexanone	11.54	43	630401	316.056	ug/l	98
60) Dibromochloromethane	11.69	129	382254	62.430	ug/l	99
61) 1,2-Dibromoethane	11.81	107	271277	61.798	ug/l	93
64) Tetrachloroethene	11.26	164	287484	53.547	ug/l	96
65) Chlorobenzene	12.40	112	712553	50.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	318121	52.734	ug/l	98
67) Ethyl Benzene	12.53	91	1162424	50.077	ug/l	100
68) m/p-Xylenes	12.68	106	881008	105.011	ug/l	99
69) o-Xylene	13.05	106	411039	53.547	ug/l	98
70) Styrene	13.08	104	712765	53.775	ug/l	99
71) Bromoform	13.24	173	205446	59.736	ug/l #	98
73) Isopropylbenzene	13.41	105	1124859	52.860	ug/l	98
74) N-amyl acetate	13.27	43	348754	63.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	263084	63.089	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	262563	64.816	ug/l	99
77) Bromobenzene	13.67	156	358017	58.648	ug/l	87
78) n-propylbenzene	13.78	91	1424362	58.470	ug/l	98
79) 2-Chlorotoluene	13.85	91	800802	54.272	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	937358	55.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	79324	64.618	ug/l	93
82) 4-Chlorotoluene	13.95	91	884659	54.441	ug/l	89
83) tert-Butylbenzene	14.19	119	1047285	53.280	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	918267	56.678	ug/l	100
85) sec-Butylbenzene	14.37	105	1172659	55.214	ug/l	100
86) p-Isopropyltoluene	14.50	119	1023540	53.848	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	581116	54.360	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	553293	55.344	ug/l	99
89) n-Butylbenzene	14.80	91	835337	48.950	ug/l	96
90) Hexachloroethane	15.01	117	274479	53.402	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	489951	55.562	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37274	59.946	ug/l	97

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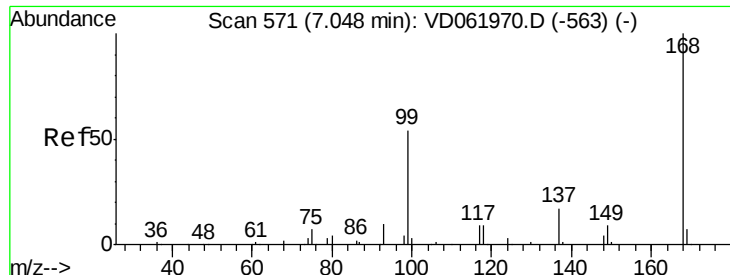
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	290339	61.023	ug/l	97
94) Hexachlorobutadiene	16.05	225	225245	63.972	ug/l	99
95) Naphthalene	16.12	128	540902	70.410	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	203462	75.368	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 528374

Ion Ratio Lower Upper

168 100

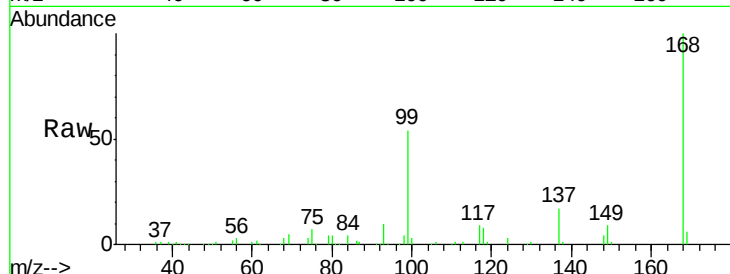
99 54.0 46.5 69.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

150000

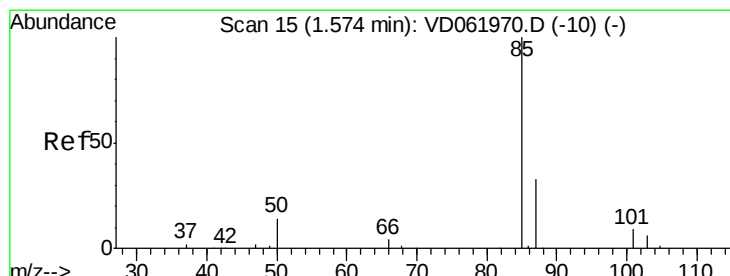
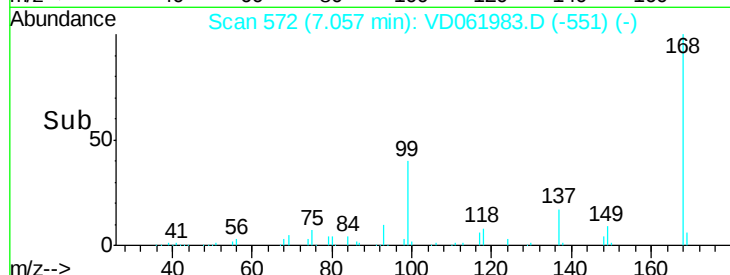
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50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 50.324 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061983.D

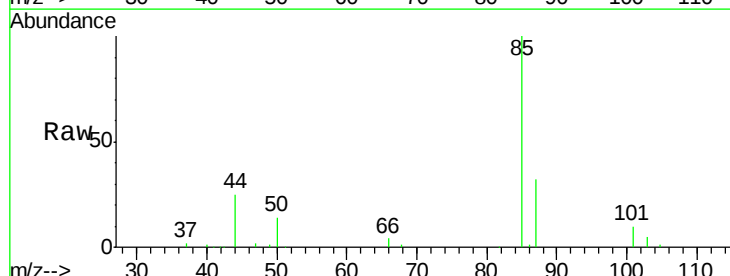
Acq: 23 Apr 2019 23:34

Tgt Ion: 85 Resp: 237428

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

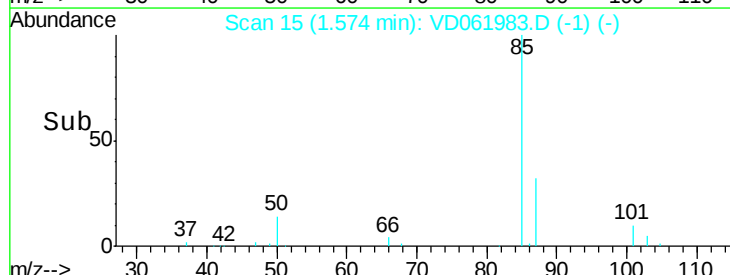
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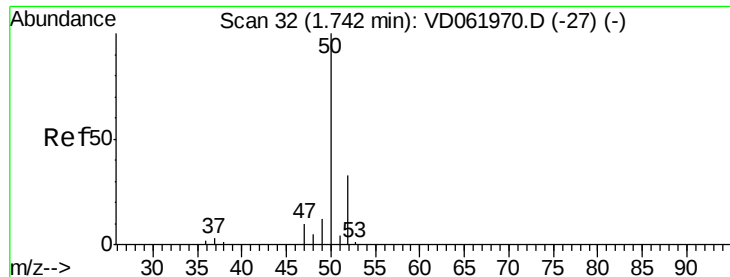
20000

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Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 47.213 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189322

Ion Ratio Lower Upper

50 100

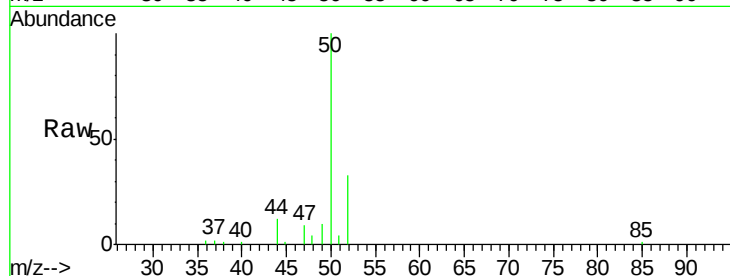
52 33.0 25.2 37.8

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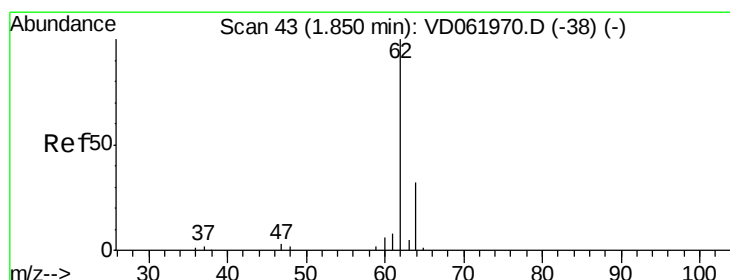
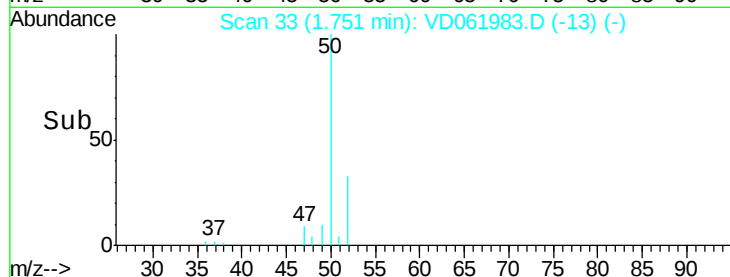
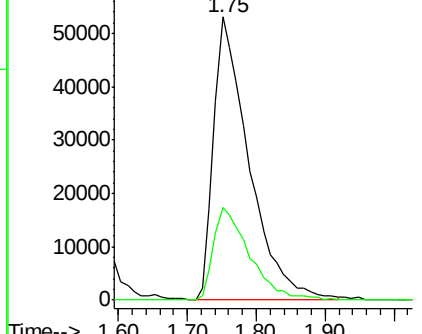
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.561 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061983.D

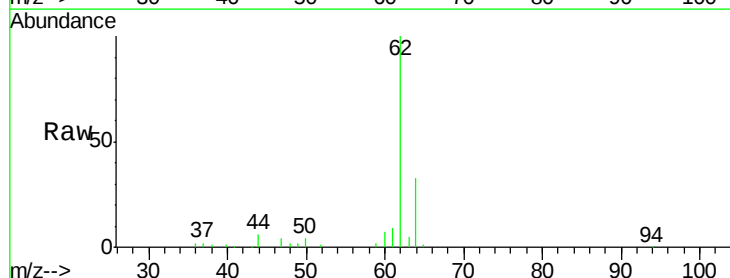
Acq: 23 Apr 2019 23:34

Tgt Ion: 62 Resp: 176493

Ion Ratio Lower Upper

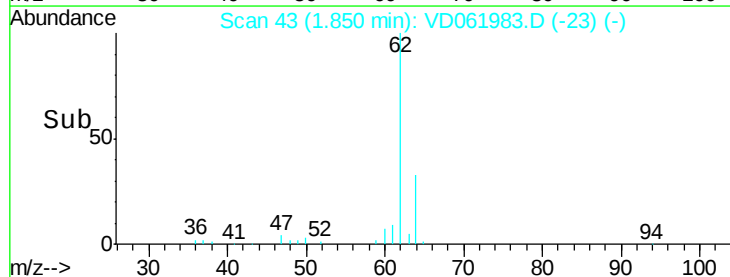
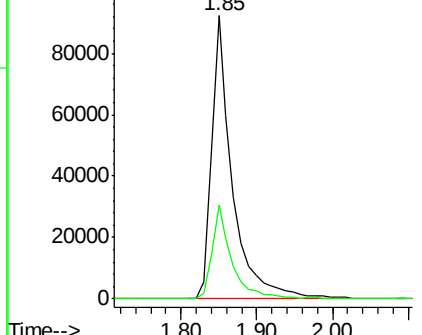
62 100

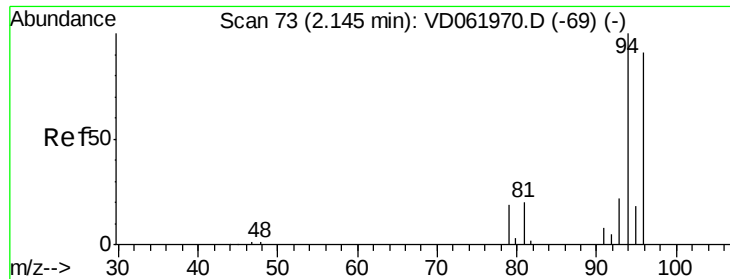
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.946 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

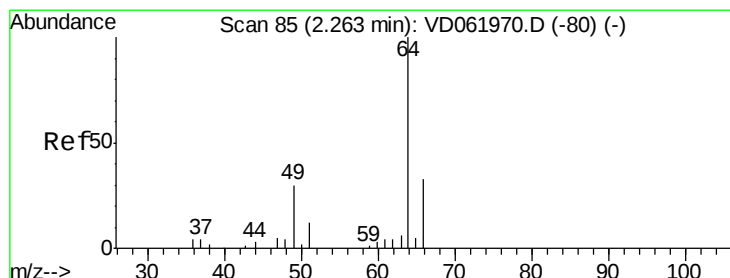
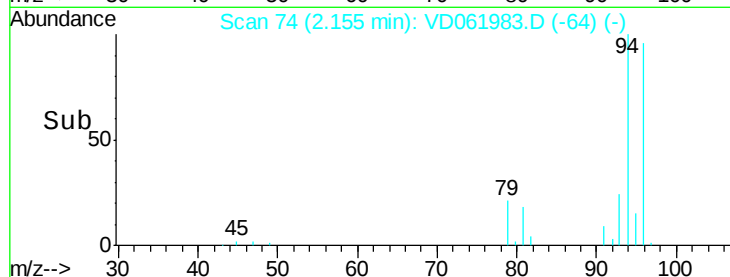
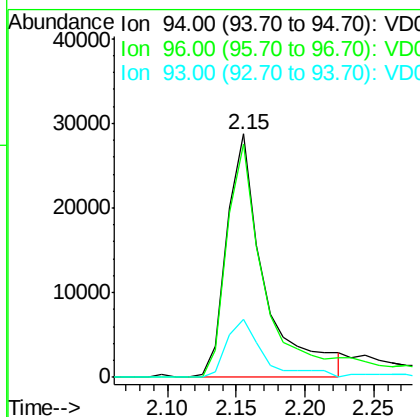
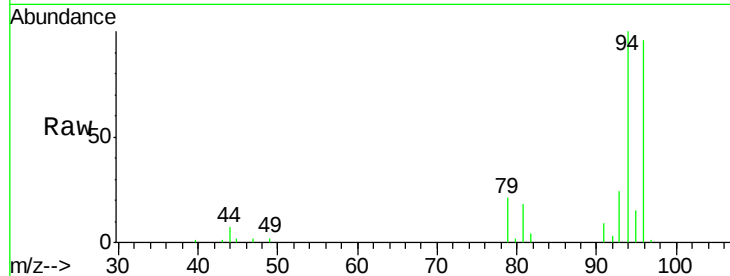
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	54932
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0
93	23.6	18.5	27.7

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#6

Chloroethane

Concen: 56.643 ug/l

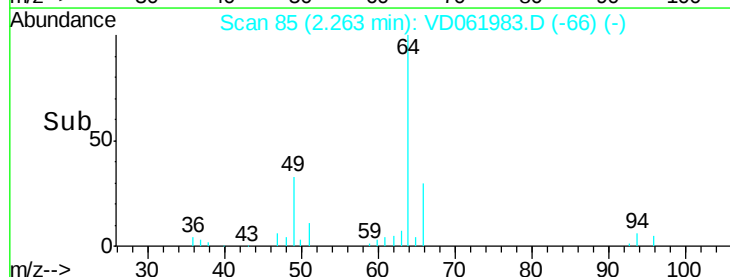
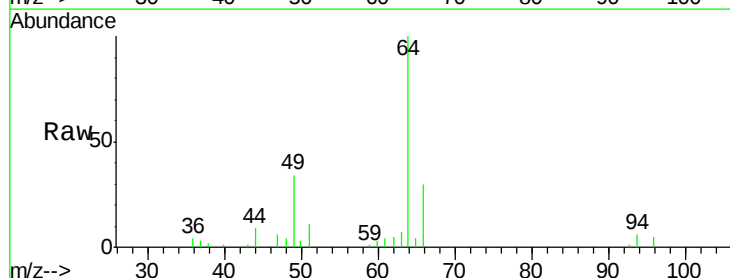
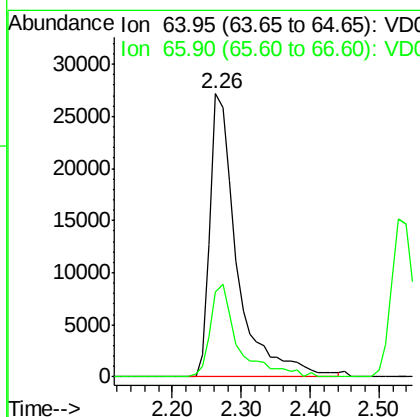
RT: 2.26 min Scan# 85

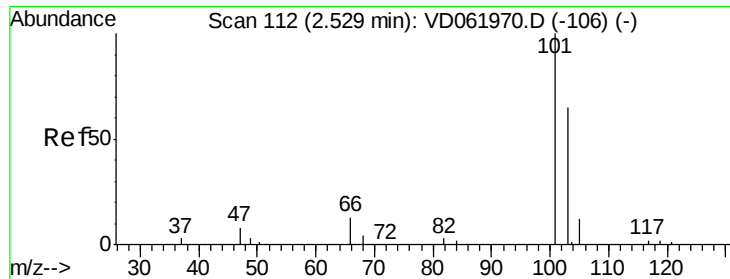
Delta R.T. -0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	64	Resp:	74417
Ion	Ratio	Lower	Upper
64	100		
66	29.9	25.6	38.4





#7

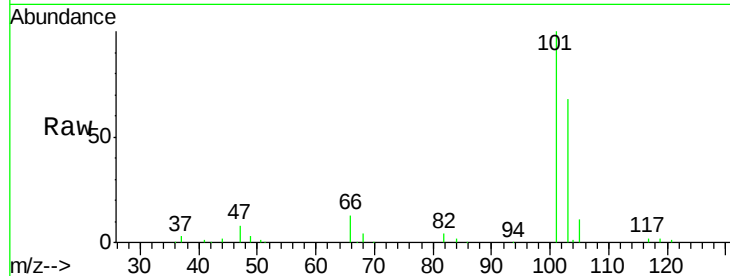
Trichlorofluoromethane
Concen: 53.581 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

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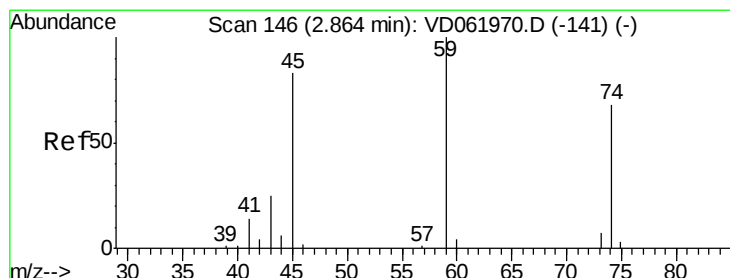
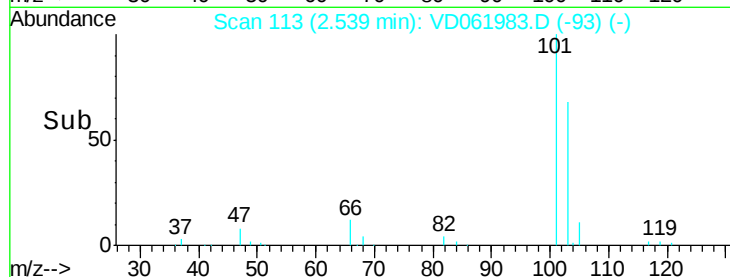
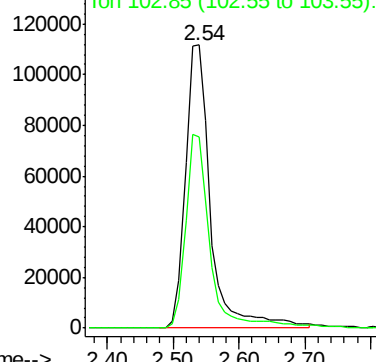
Tot Ion:101 Resp: 294442
Ion Ratio Lower Upper
101 100
103 67.7 53.6 80.4

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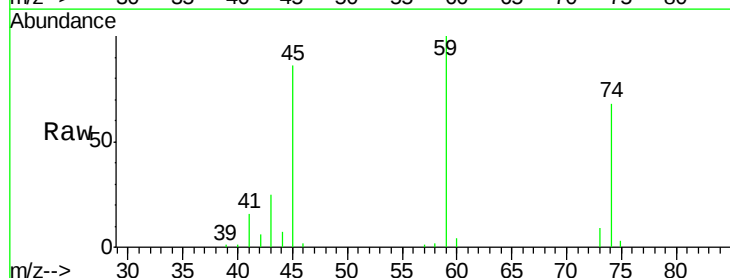
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



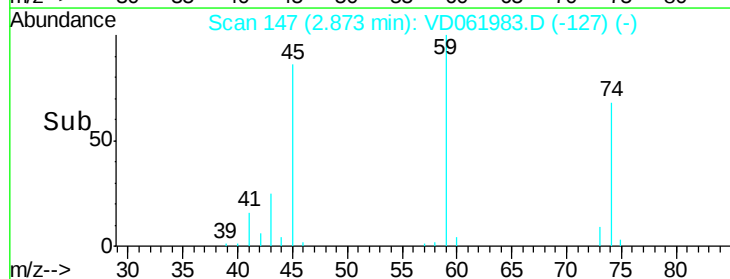
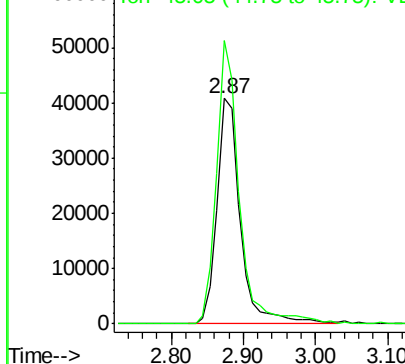
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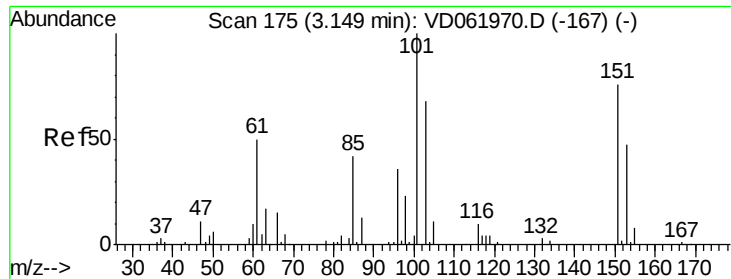
Diethyl Ether
Concen: 62.087 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 74 Resp: 91443
Ion Ratio Lower Upper
74 100
45 125.6 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.143 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

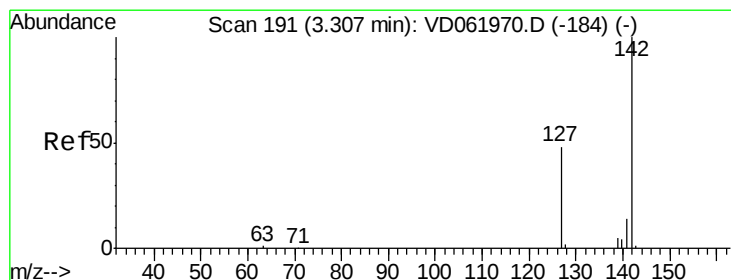
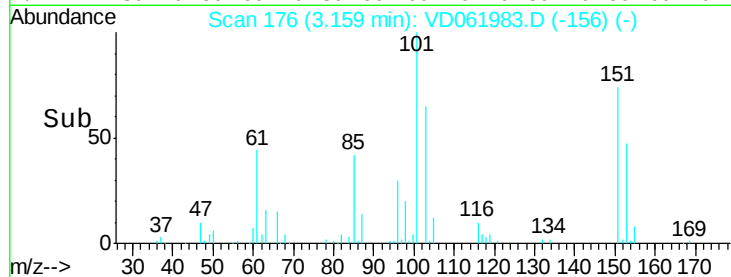
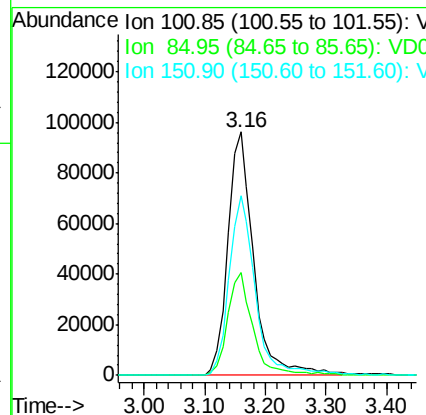
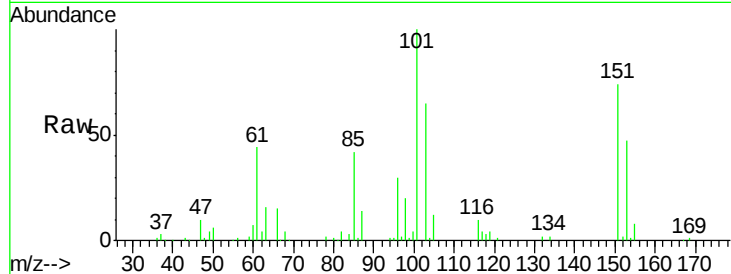
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	284209
Ion Ratio	Lower	Upper	
101	100		
85	42.3	32.4	48.6
151	73.7	59.4	89.0

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#10

Methyl Iodide

Concen: 59.813 ug/l

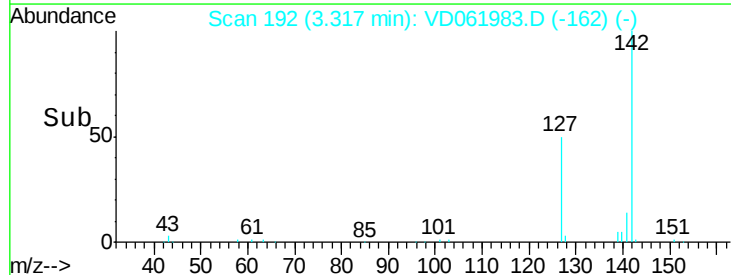
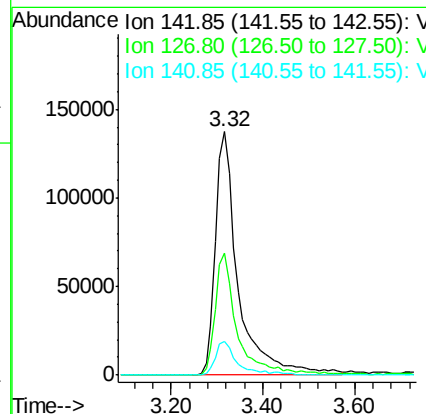
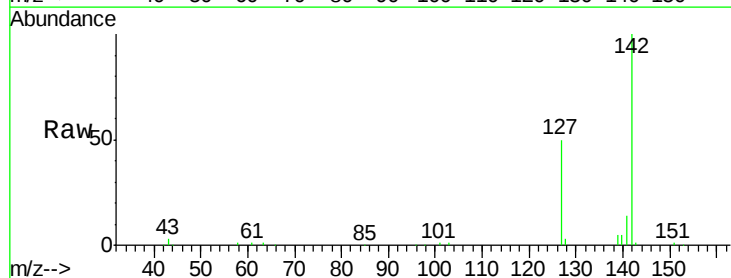
RT: 3.32 min Scan# 192

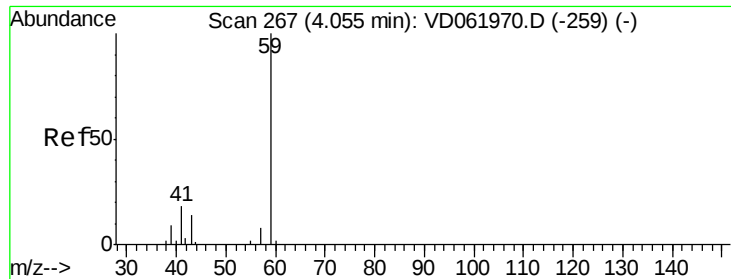
Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	142	Resp:	470513
Ion Ratio	Lower	Upper	
142	100		
127	50.0	38.8	58.2
141	14.0	11.4	17.0





#11

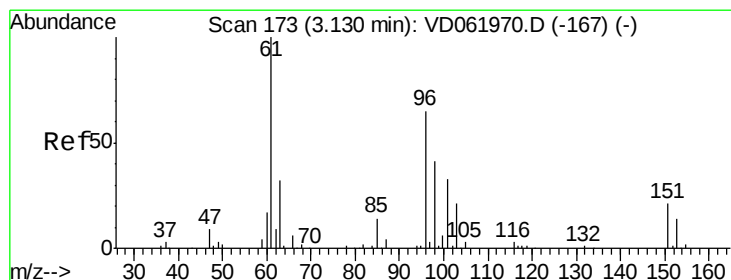
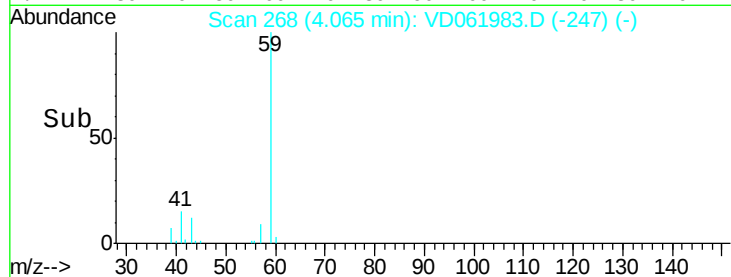
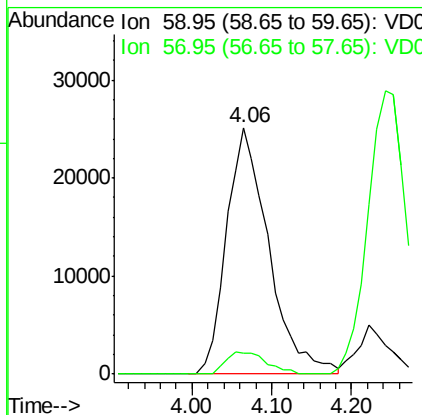
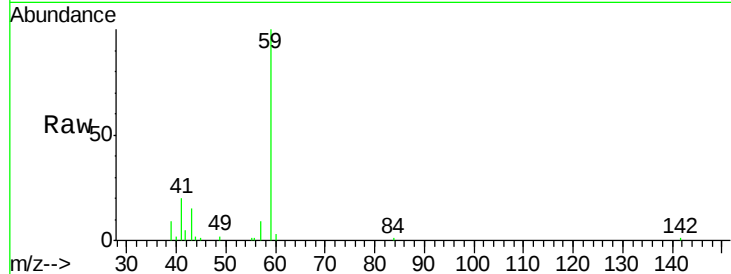
Tert butyl alcohol
Concen: 396.483 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	8.6	Resp	92638	Lower	6.9	Upper	10.3
Ion	59	57	Ratio	100	8.6	Resp	92638	Lower	6.9	Upper	10.3

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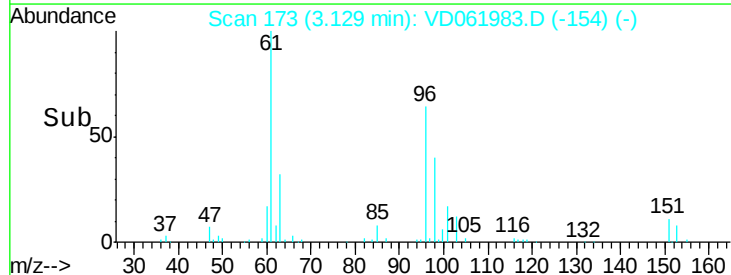
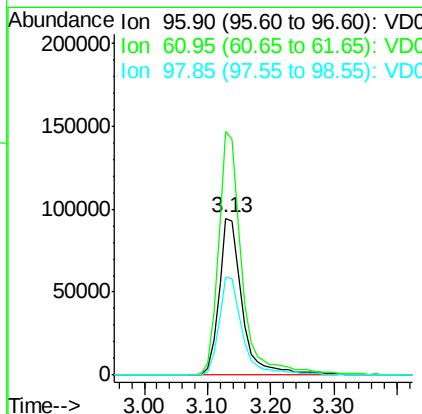
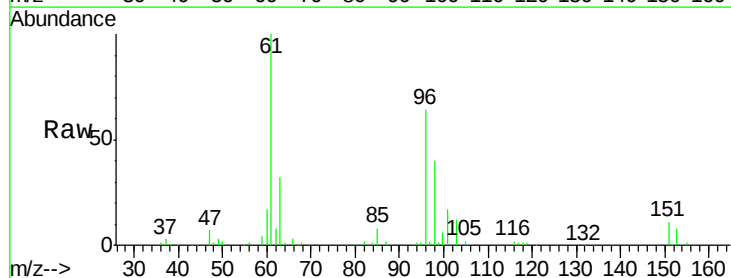
MMDadoda
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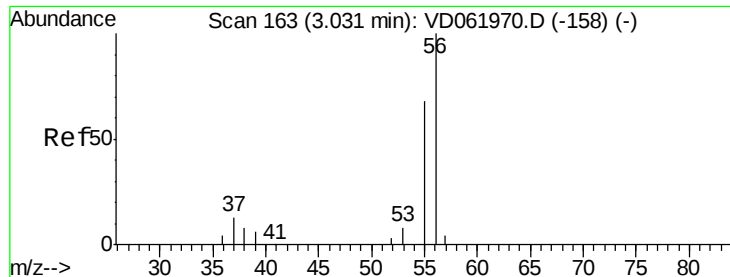


#12

1,1-Dichloroethene
Concen: 56.507 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	96	61	98	Ratio	100	155.4	62.3	Resp	243365	Lower	129.8	51.2	Upper	194.8	76.8
Ion	96	61	98	Ratio	100	155.4	62.3	Resp	243365	Lower	129.8	51.2	Upper	194.8	76.8





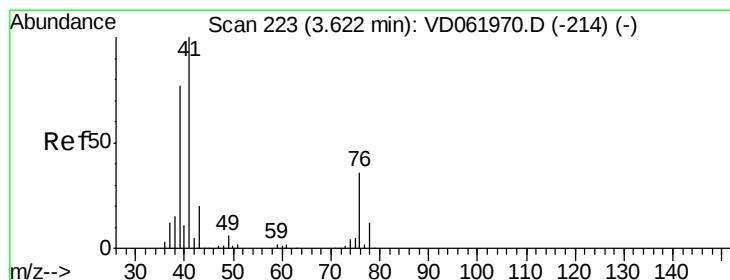
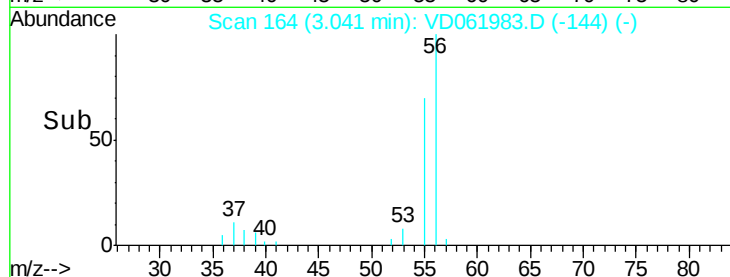
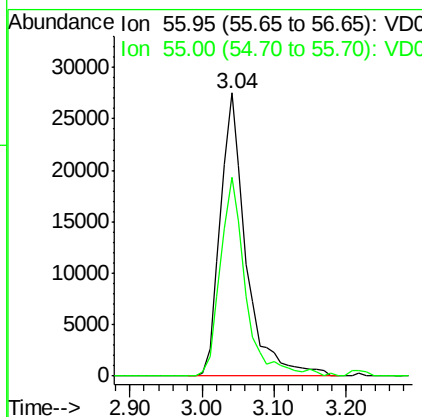
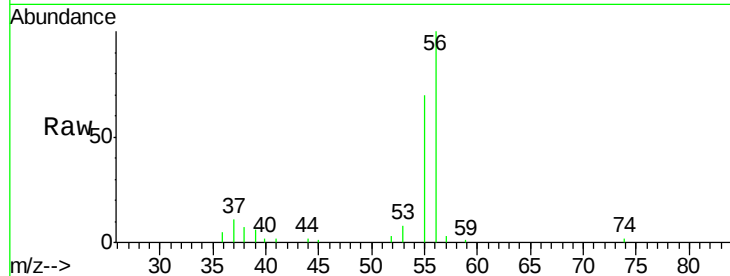
#13
Acrolein
Concen: 279.569 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 67775
Ion Ratio Lower Upper
56 100
55 70.3 51.4 77.2

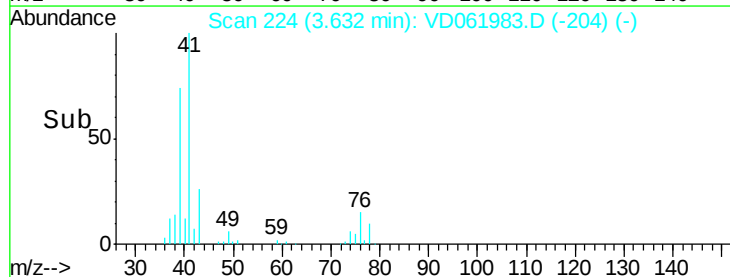
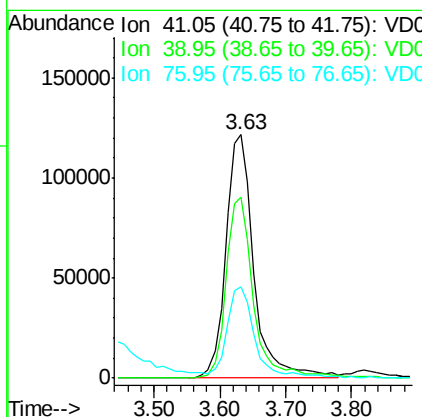
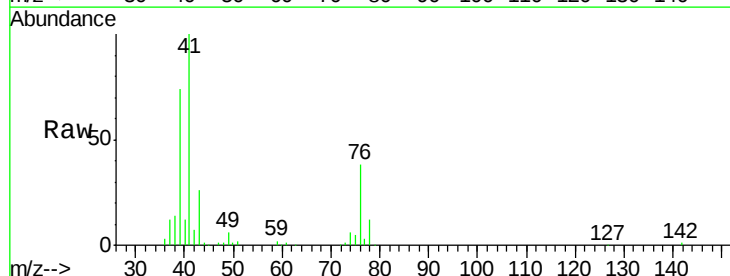
Manual Integrations
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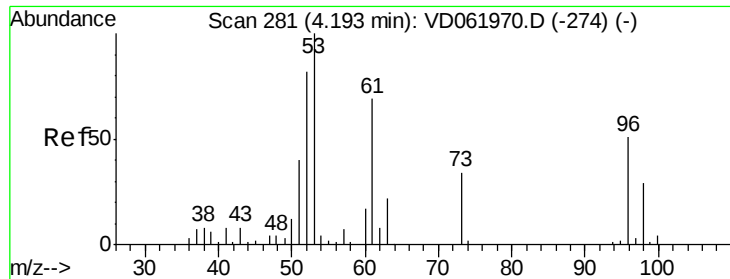
MMDadoda
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#14
Allyl chloride
Concen: 61.505 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 41 Resp: 361708
Ion Ratio Lower Upper
41 100
39 74.1 60.5 90.7
76 37.7 31.8 47.8





#15

Acrylonitrile

Concen: 367.646 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

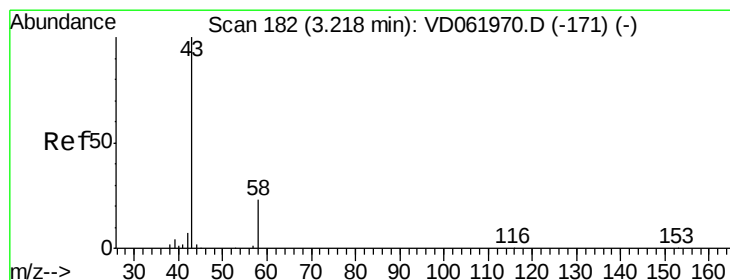
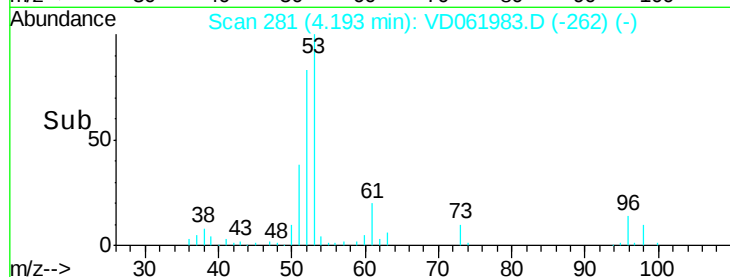
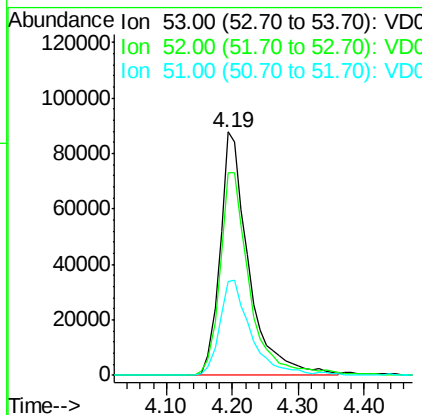
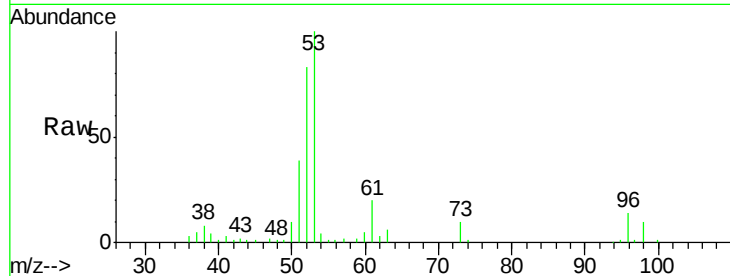
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	265994
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.0	97.4
51	38.7	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 282.089 ug/l

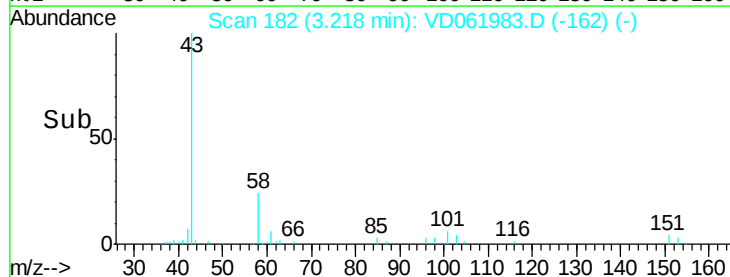
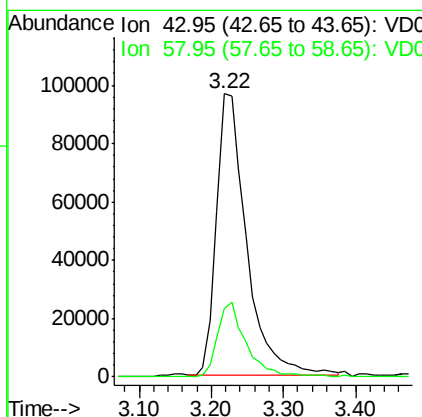
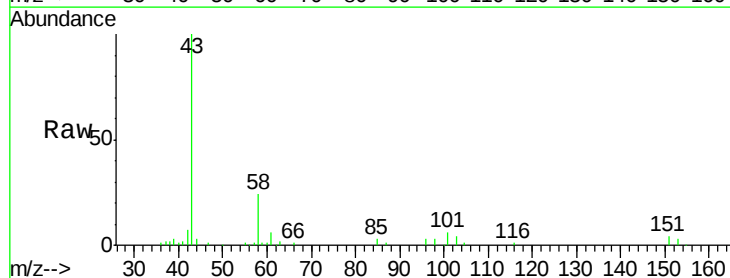
RT: 3.22 min Scan# 182

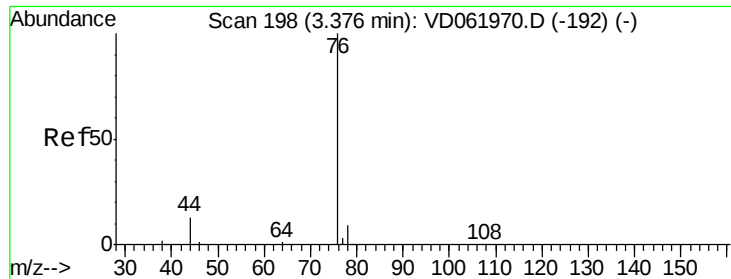
Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	43	Resp:	278534
Ion	Ratio	Lower	Upper
43	100		
58	24.1	19.9	29.9





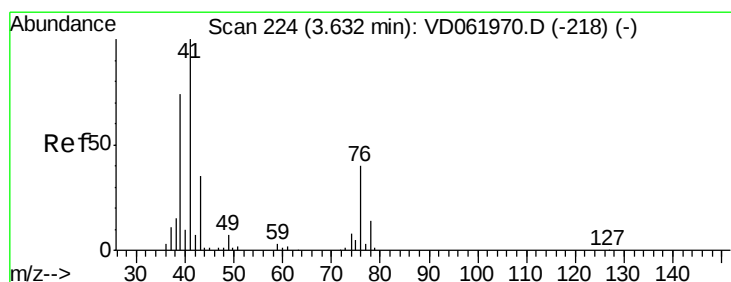
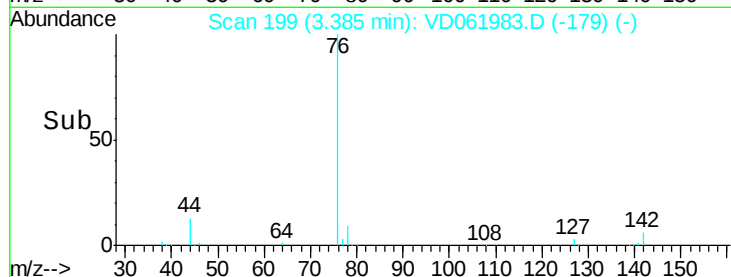
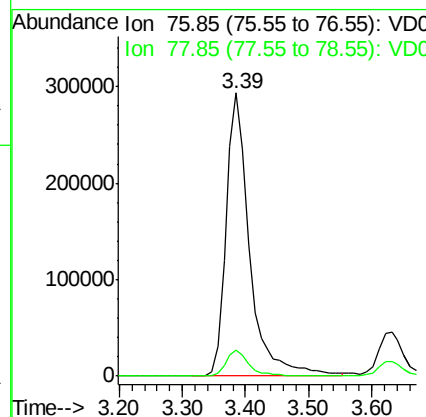
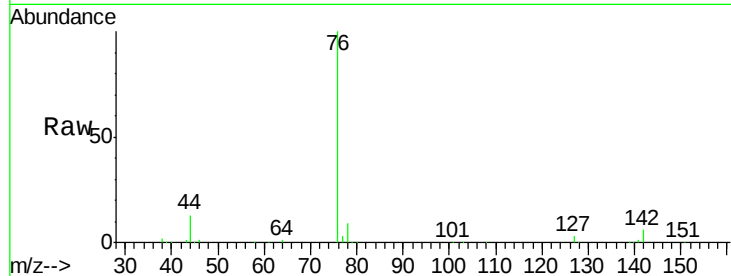
#17
Carbon Disulfide
Concen: 61.303 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

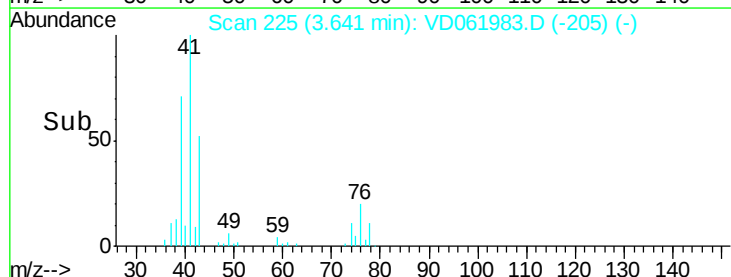
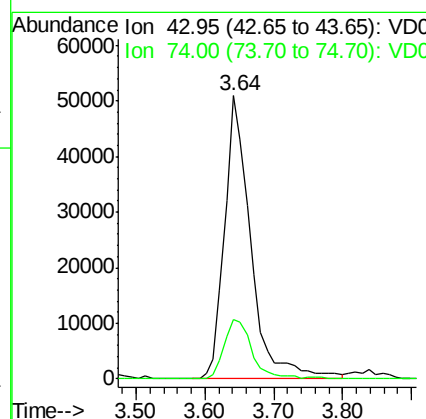
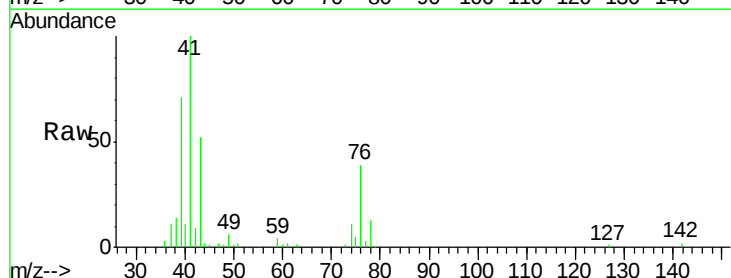
Manual Integrations
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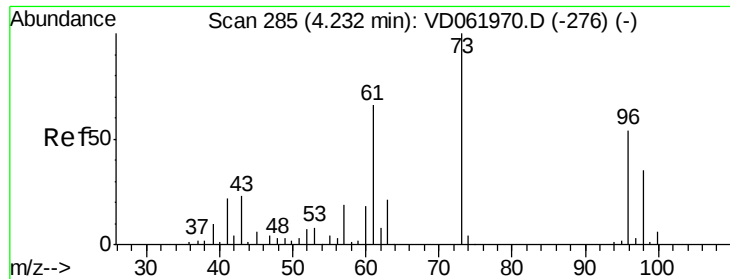
MMDadoda
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#18
Methyl Acetate
Concen: 76.515 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	18.0	27.0





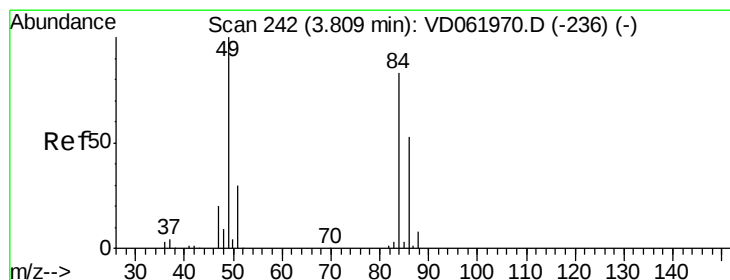
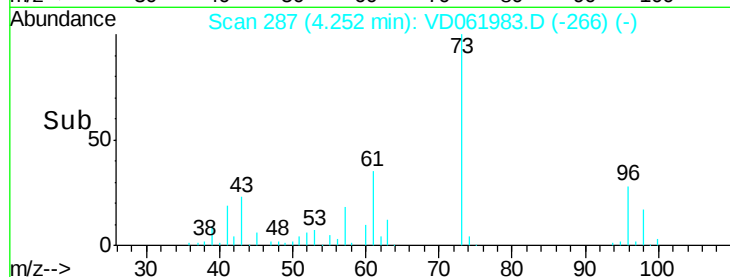
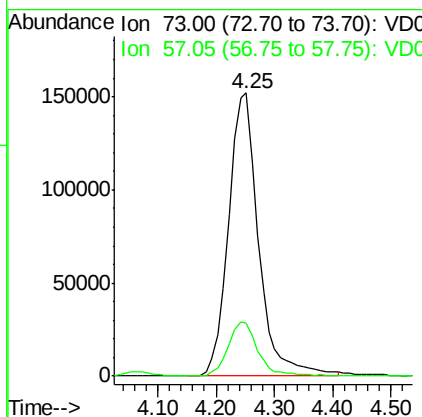
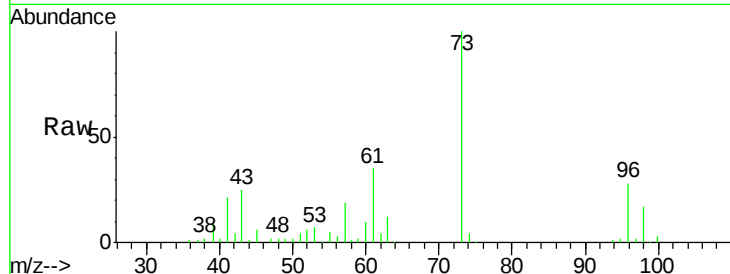
#19
Methyl tert-butyl Ether
Concen: 63.868 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 545771
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5

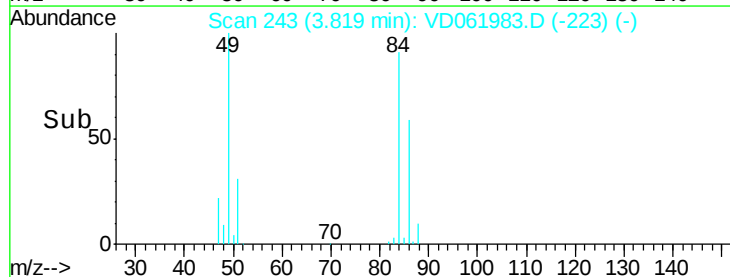
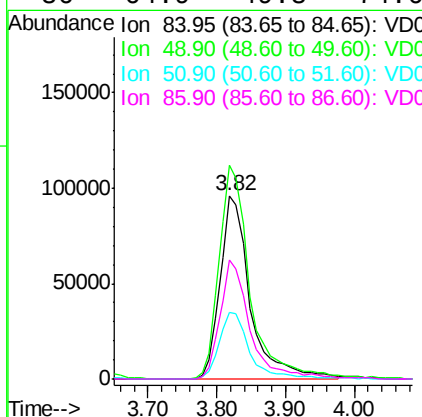
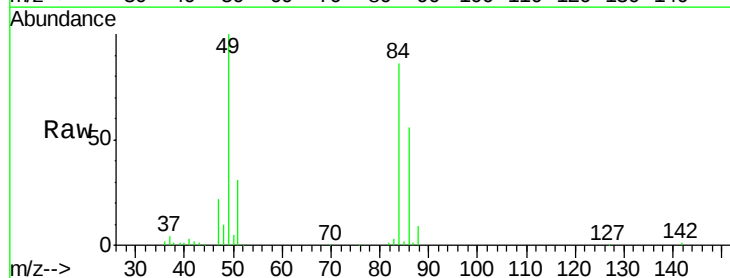
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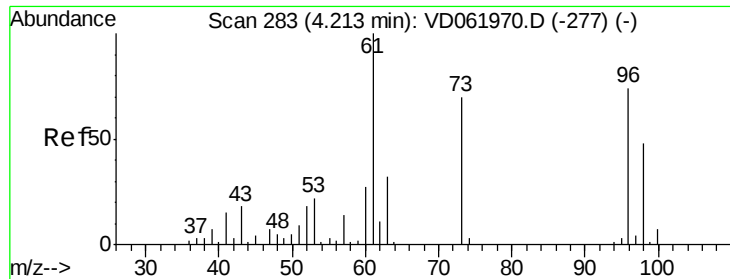
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#20
Methylene Chloride
Concen: 61.339 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 84 Resp: 291377
Ion Ratio Lower Upper
84 100
49 116.3 94.0 141.0
51 35.9 29.0 43.4
86 64.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 55.111 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 272286

Ion Ratio Lower Upper

96 100

61 136.9 104.4 156.6

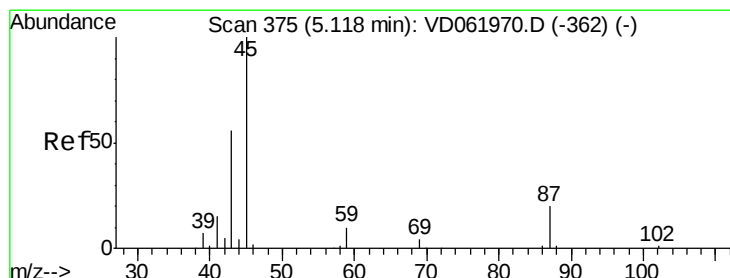
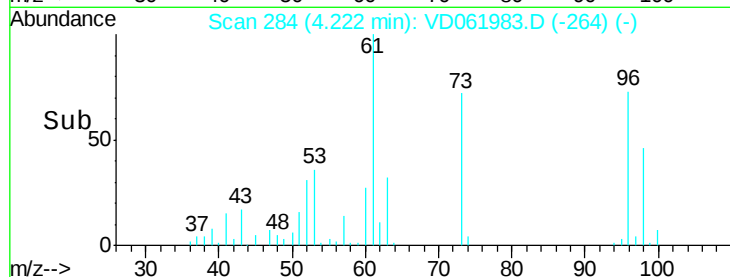
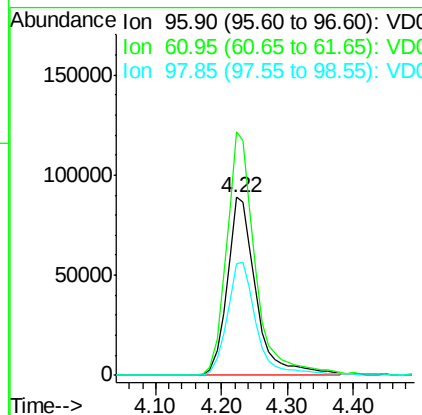
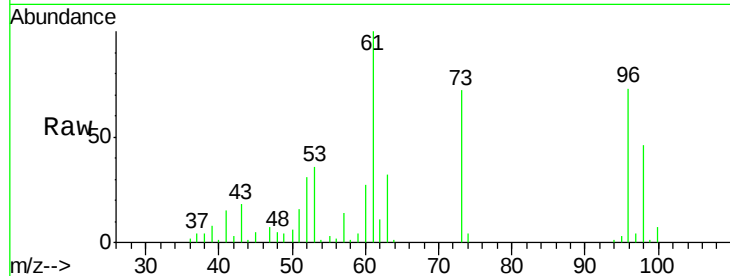
98 63.1 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 60.717 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion: 45 Resp: 833674

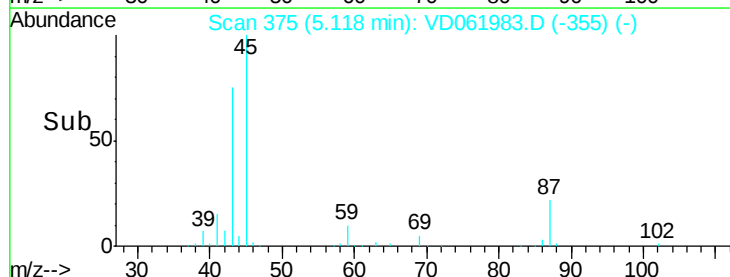
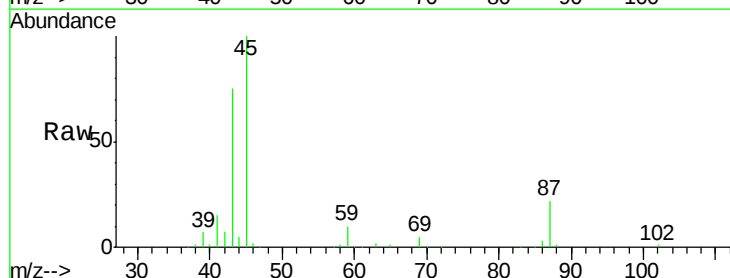
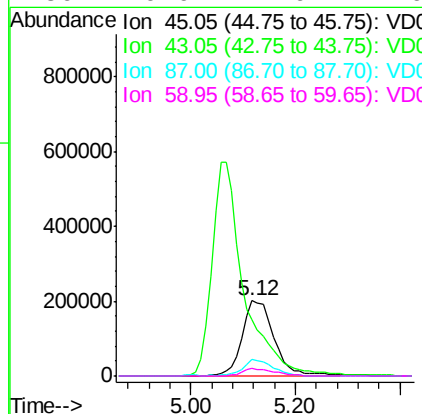
Ion Ratio Lower Upper

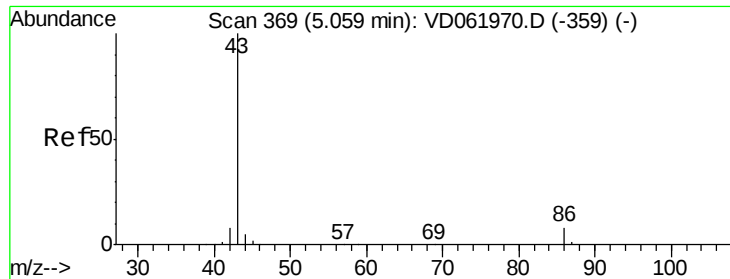
45 100

43 74.8 46.2 69.2#

87 22.1 15.9 23.9

59 9.9 7.9 11.9





#23

Vinyl Acetate

Concen: 331.578 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2370896

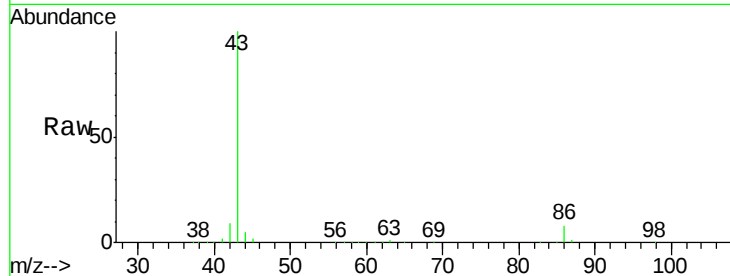
Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6

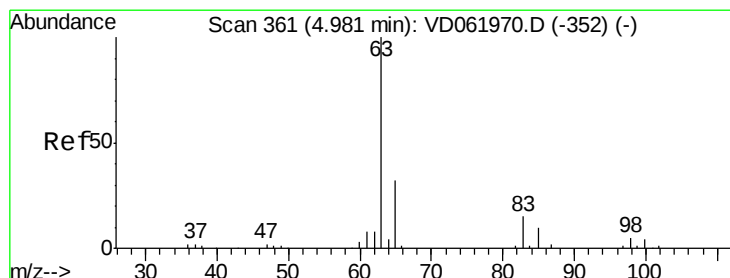
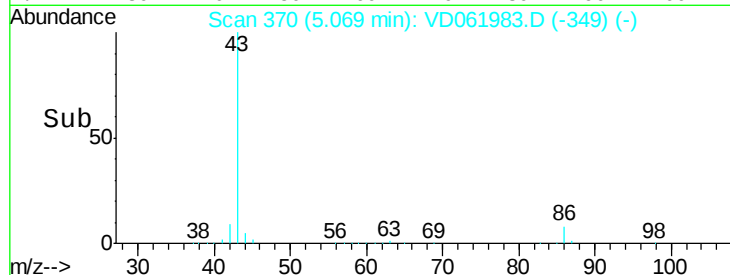
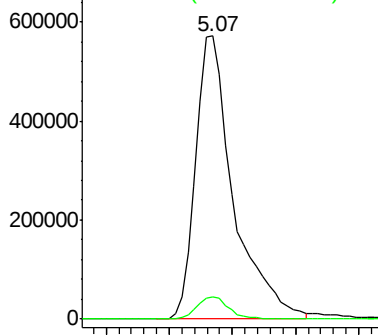
Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 60.324 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

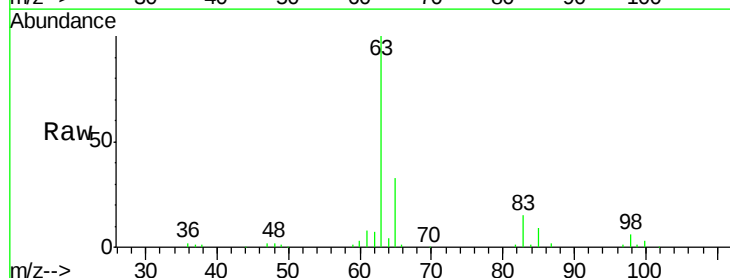
Tgt Ion: 63 Resp: 500619

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

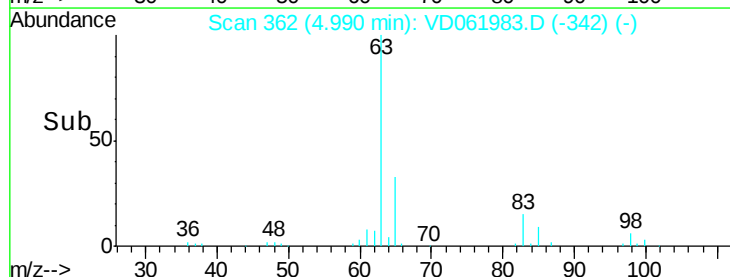
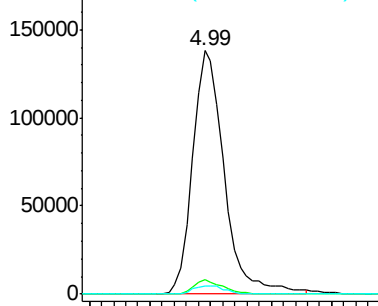
100 3.5 1.8 5.5

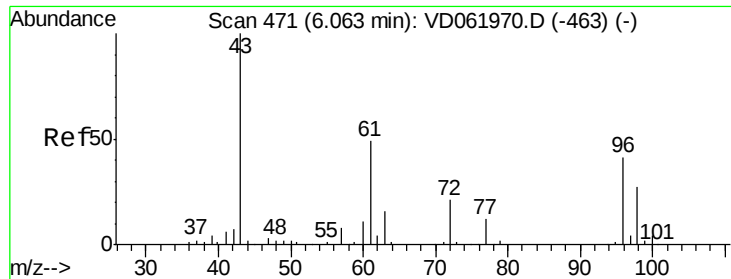


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 333.892 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 399718

Ion Ratio Lower Upper

43 100

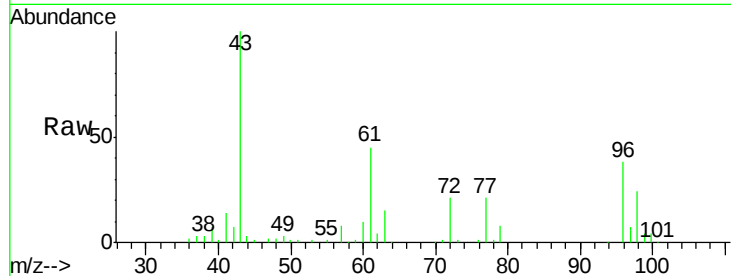
72 21.2 16.2 24.4

Manual Integrations

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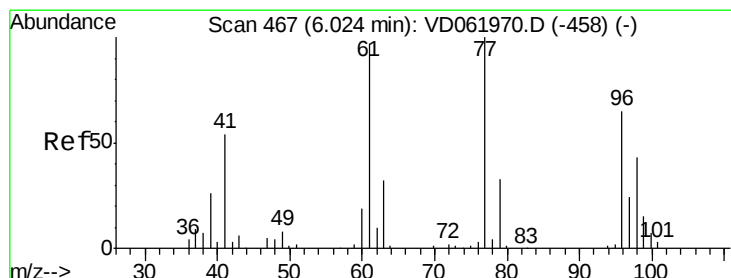
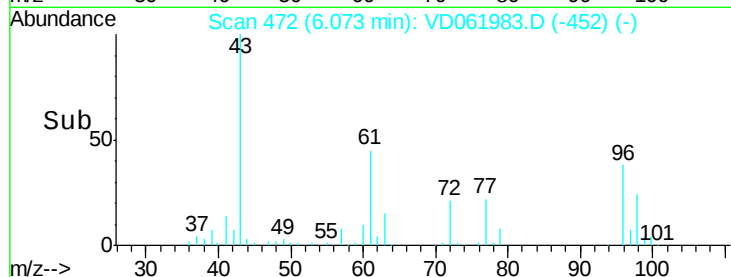
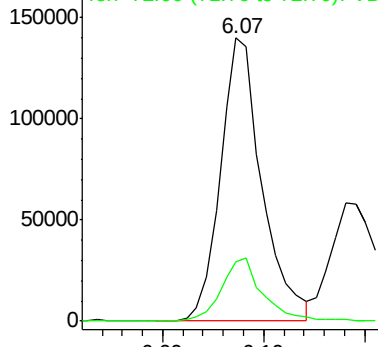
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.104 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061983.D

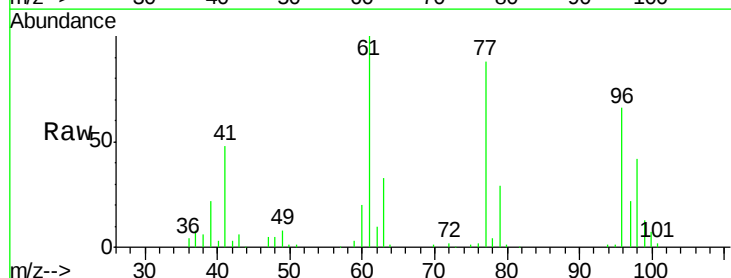
Acq: 23 Apr 2019 23:34

Tgt Ion: 77 Resp: 384463

Ion Ratio Lower Upper

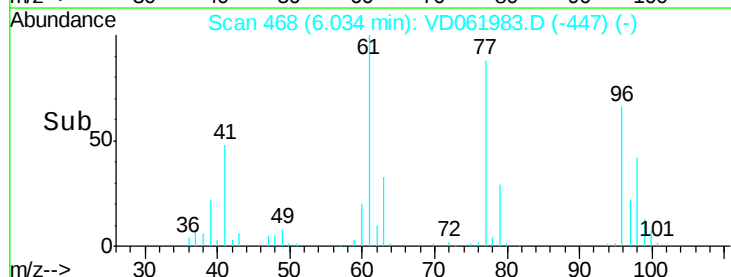
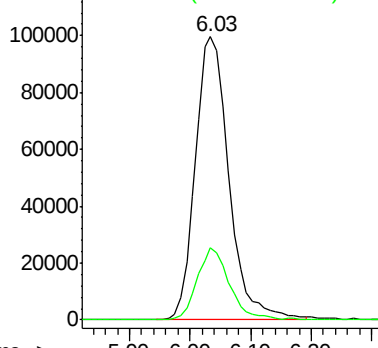
77 100

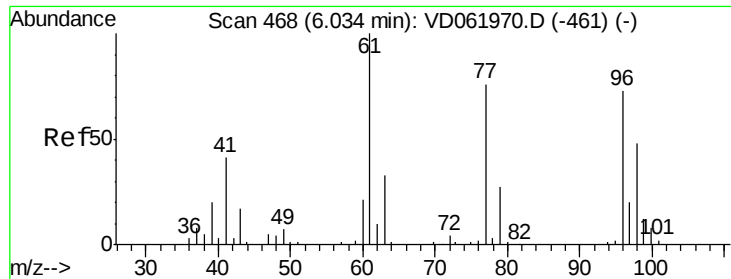
97 25.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

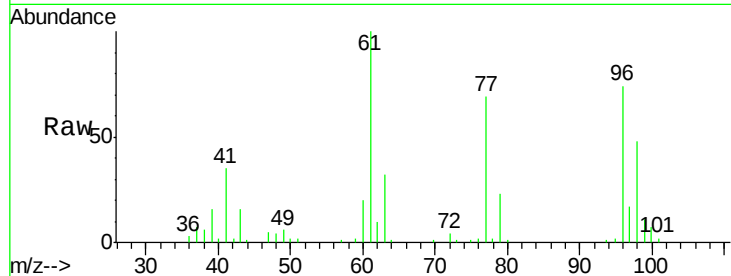
cis-1,2-Dichloroethene
Concen: 59.482 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

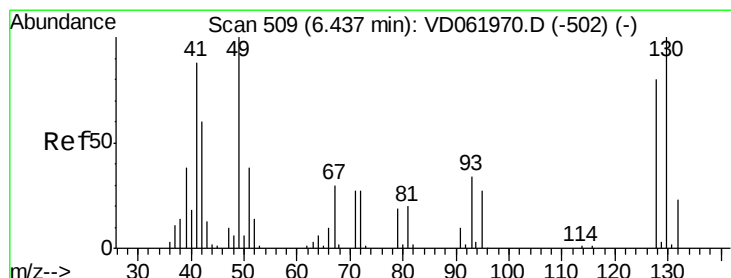
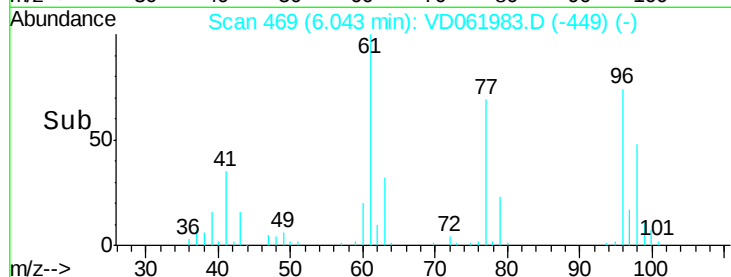
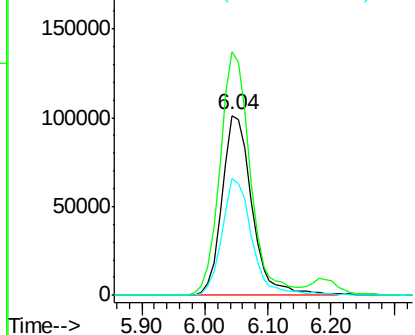
Tot Ion	Ratio	Resp	Lower	Upper
96	100	334324		
61	135.6	0.0	279.8	
98	65.0	0.0	136.0	

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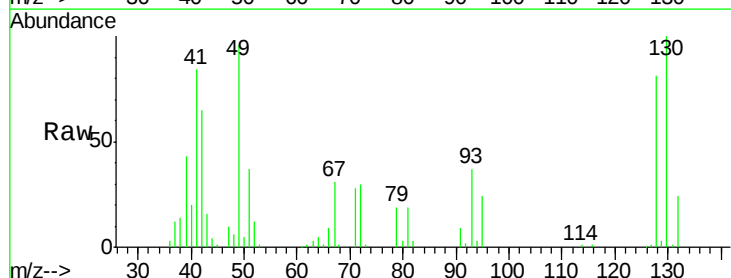
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



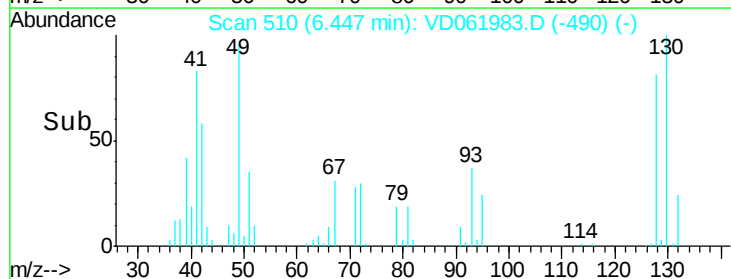
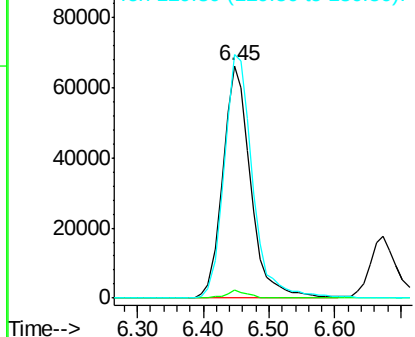
#28

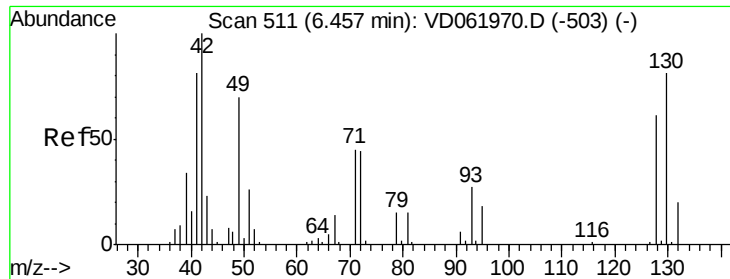
Bromochloromethane
Concen: 61.797 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	196227		
129	3.3	0.0	6.6	
130	104.6	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 348.737 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

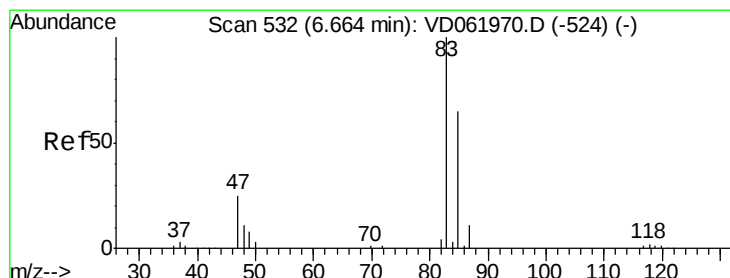
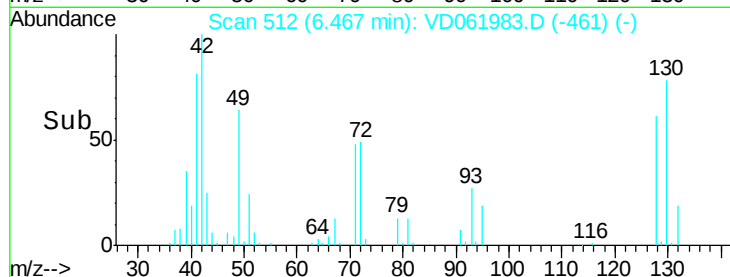
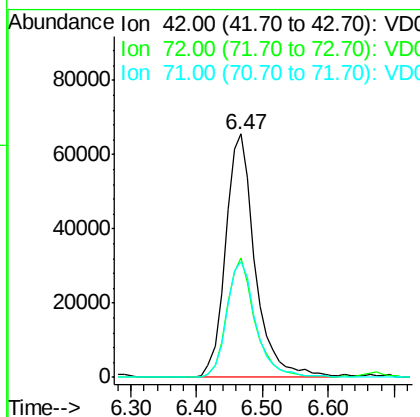
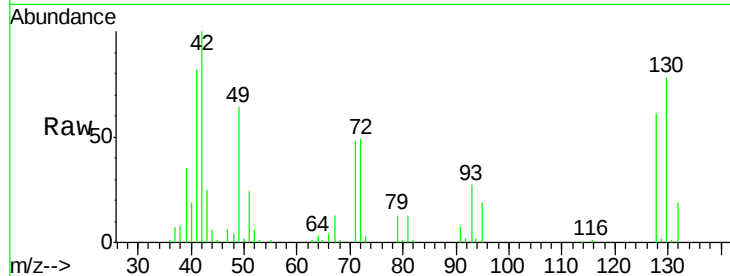
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	205708
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.8	56.6
71	46.9	36.7	55.1

Manual Integrations
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#30

Chloroform

Concen: 60.710 ug/l

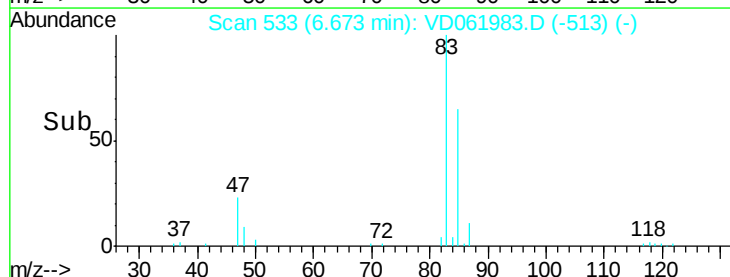
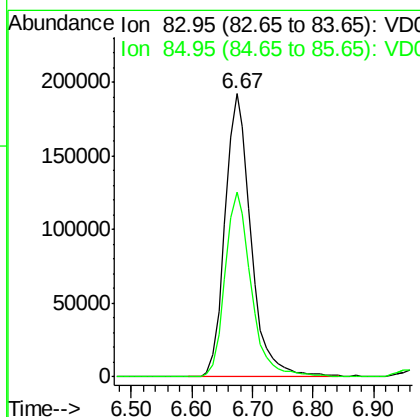
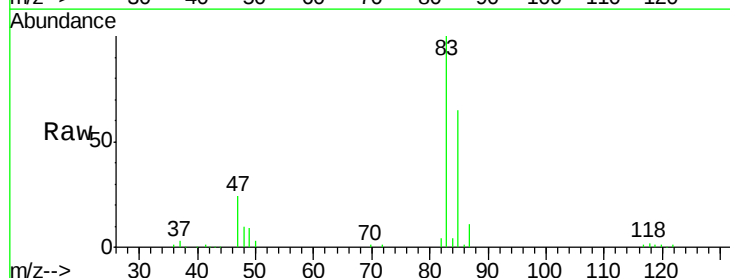
RT: 6.67 min Scan# 533

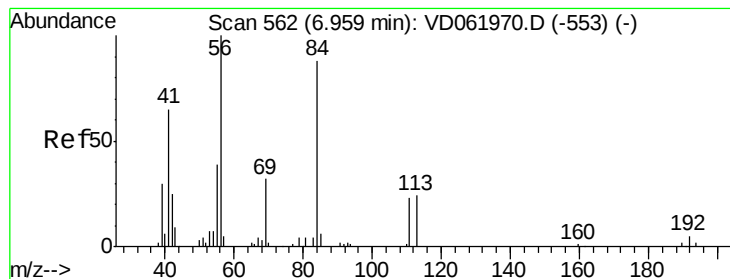
Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	83	Resp:	572249
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5





#31

Cvclohexane

Concen: 55.662 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

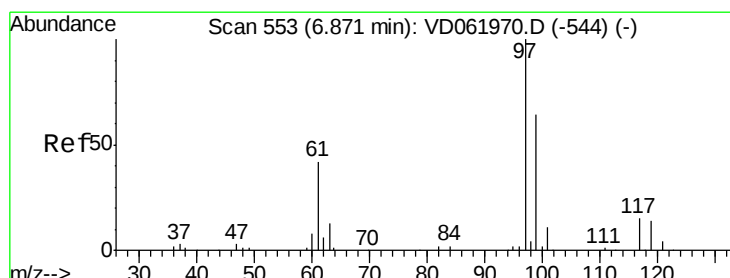
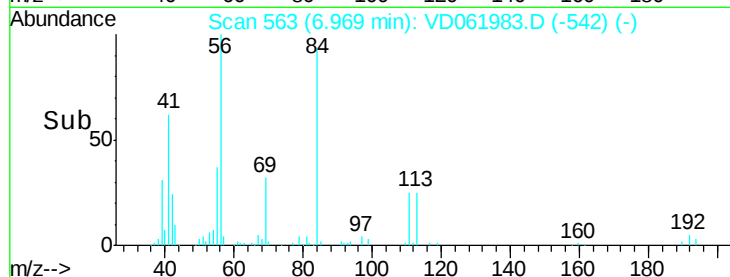
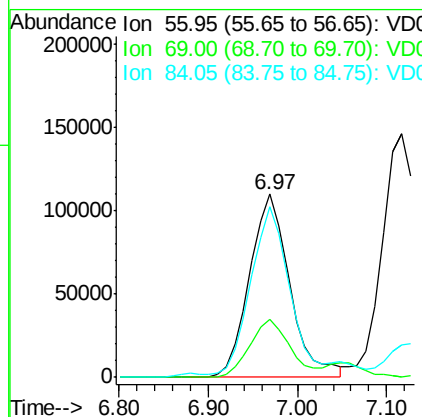
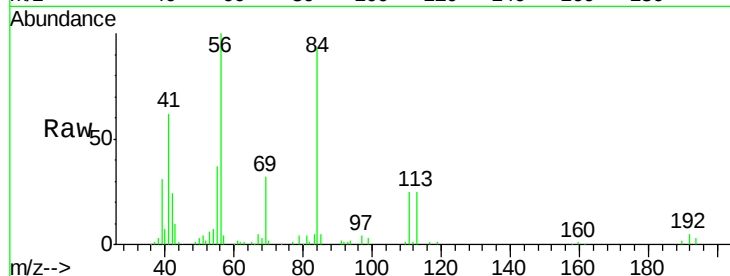
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	342863
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.8	38.6
84	93.0	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.569 ug/l

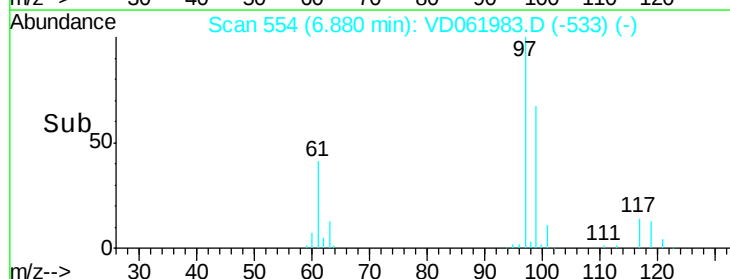
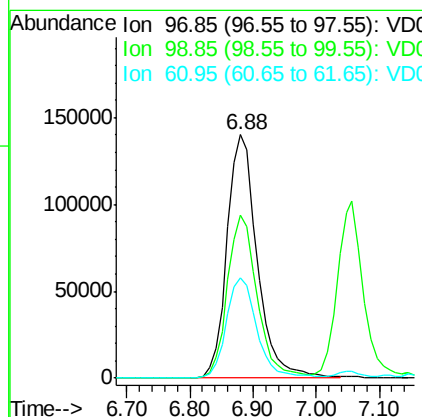
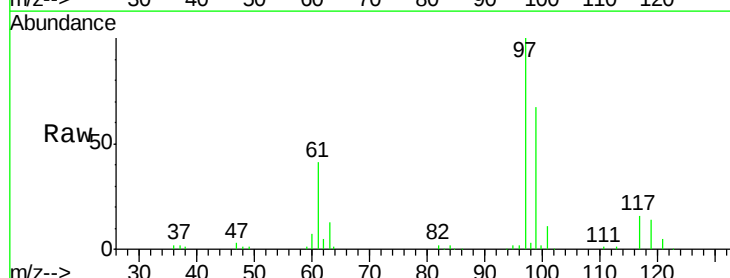
RT: 6.88 min Scan# 554

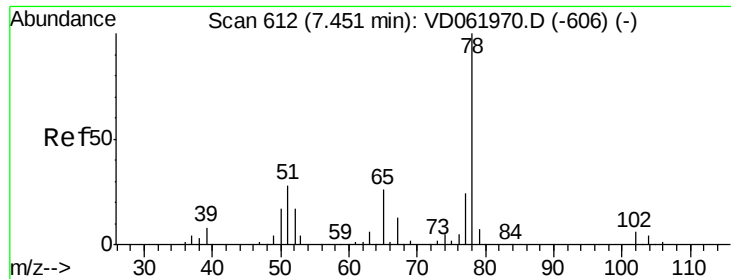
Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	97	Resp:	463941
Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.2	78.2
61	41.3	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 56.569 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 246670

Ion Ratio Lower Upper

65 100

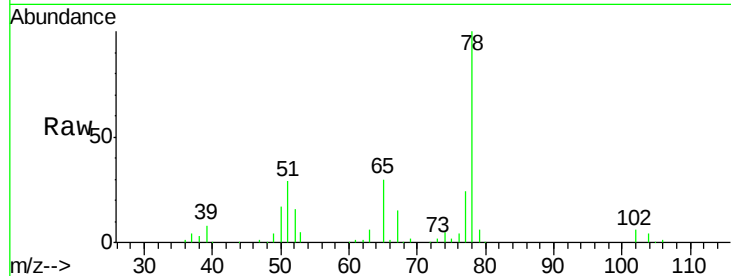
67 50.2 0.0 98.0

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

80000

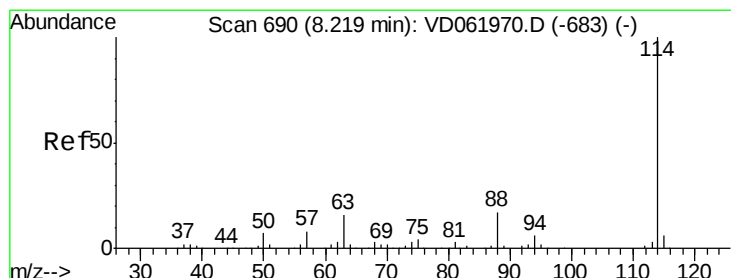
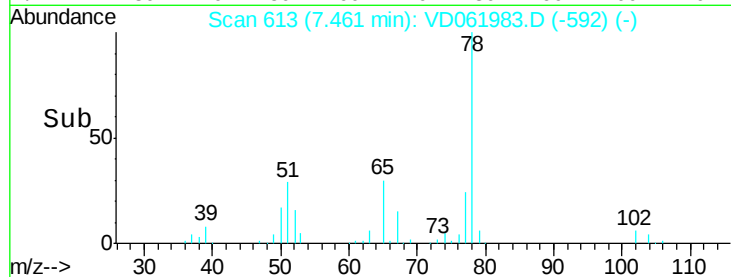
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

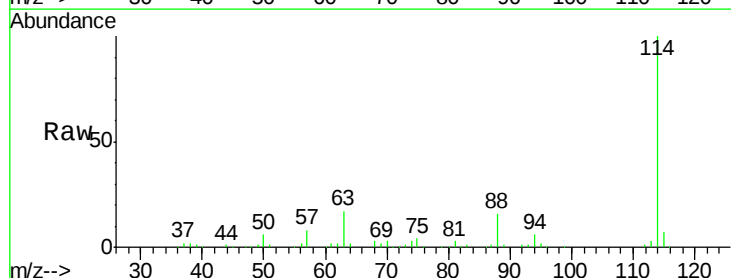
Tgt Ion: 114 Resp: 896261

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

88 16.4 0.0 33.6



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

8.23

400000

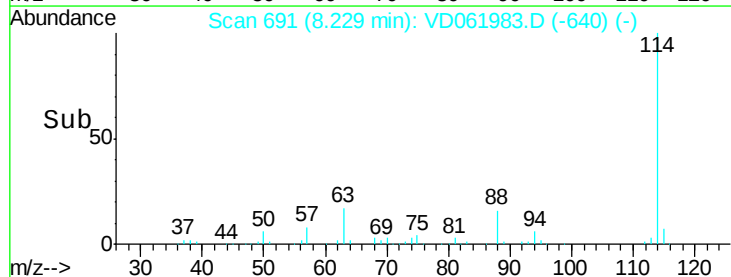
300000

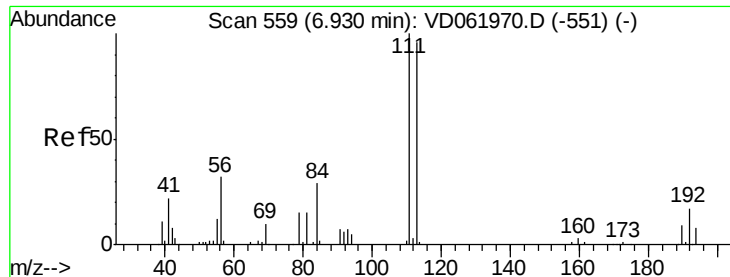
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

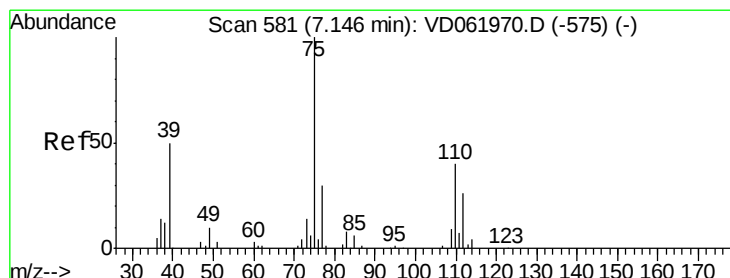
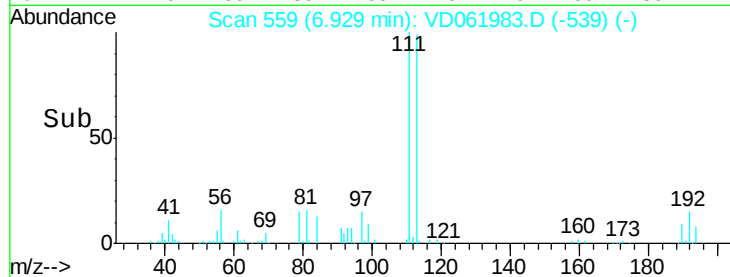
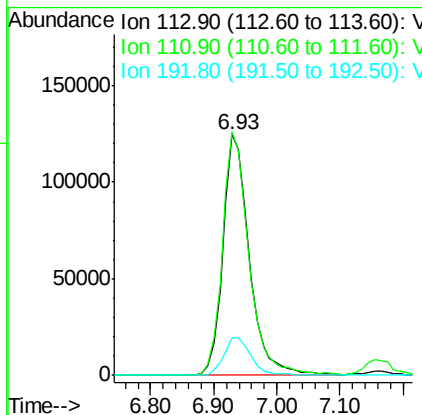
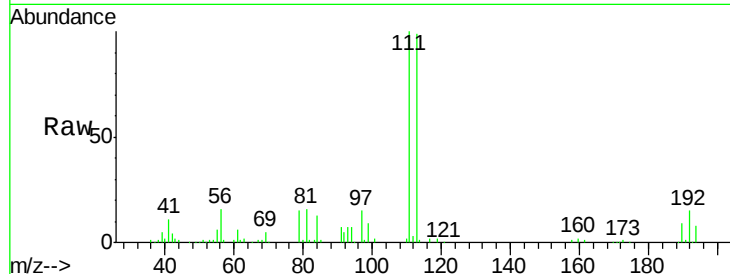
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	361366
Ion	Ratio	Lower	Upper
113	100		
111	101.1	78.5	117.7
192	15.4	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 50.240 ug/l

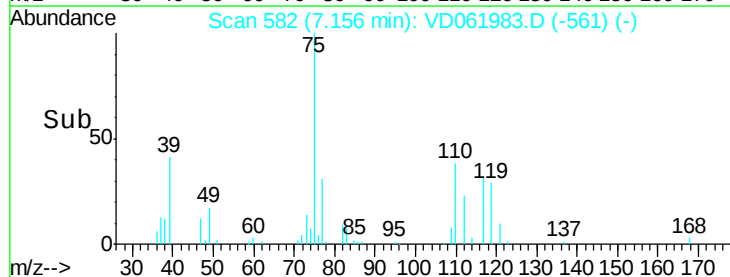
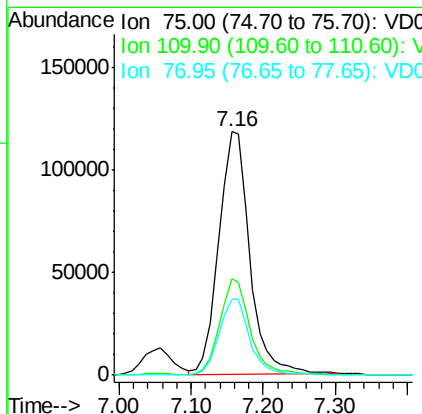
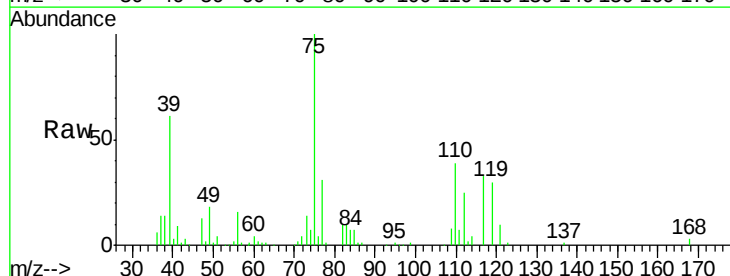
RT: 7.16 min Scan# 582

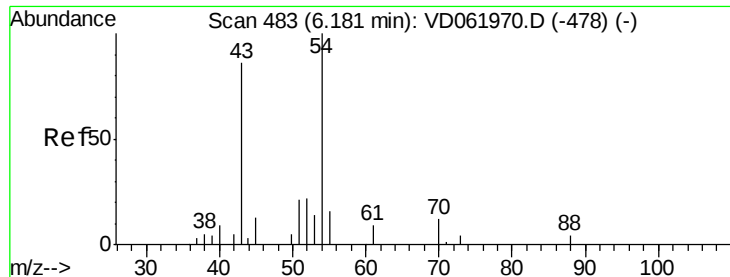
Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	75	Resp:	350815
Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.1	57.1
77	31.3	25.6	38.4





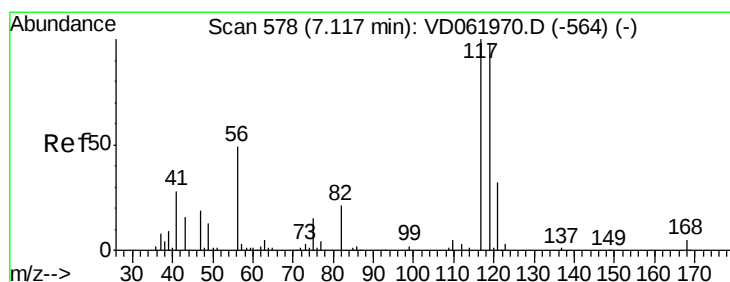
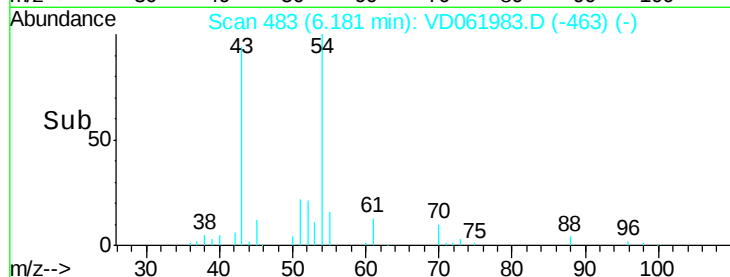
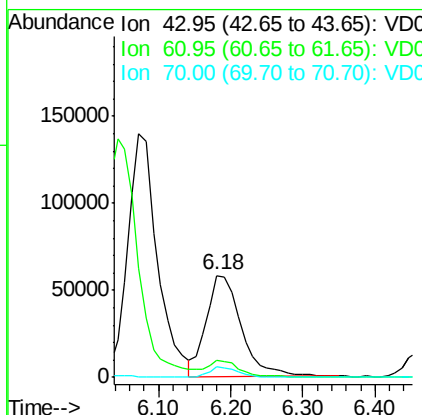
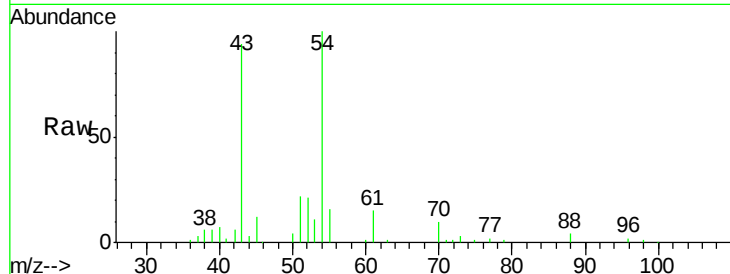
#37
Ethyl Acetate
Concen: 65.159 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	14.7	22.1
70	10.7	7.8	11.6

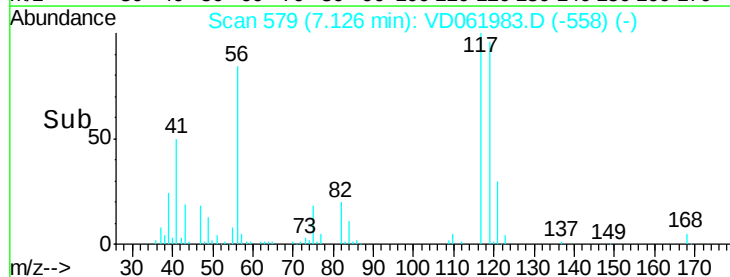
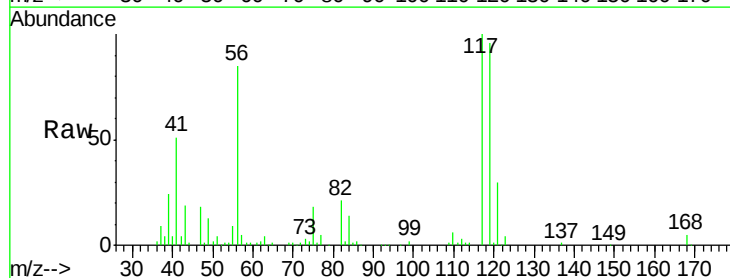
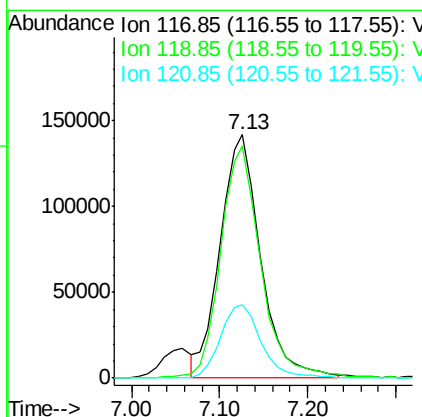
Manual Integrations
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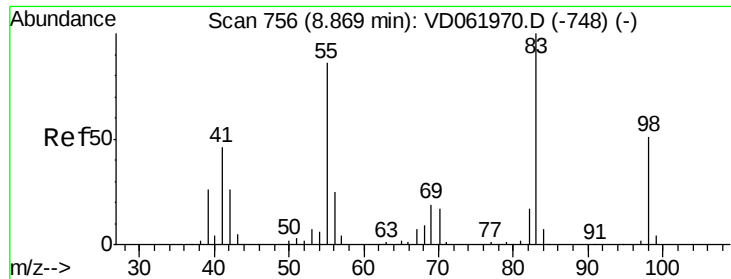
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#38
Carbon Tetrachloride
Concen: 51.395 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
121	30.2	25.9	38.9





#39

Methvlcvclohexane

Concen: 50.545 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 348225

Ion Ratio Lower Upper

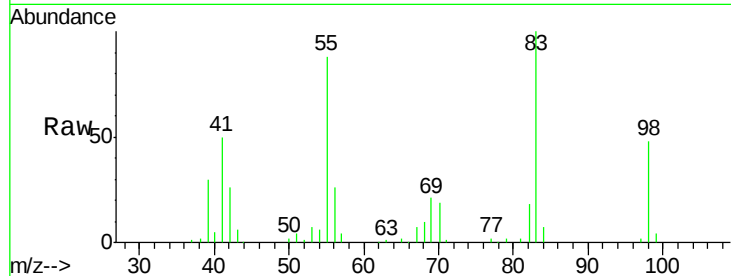
83 100

55 88.4 68.2 102.4

98 48.1 38.2 57.4

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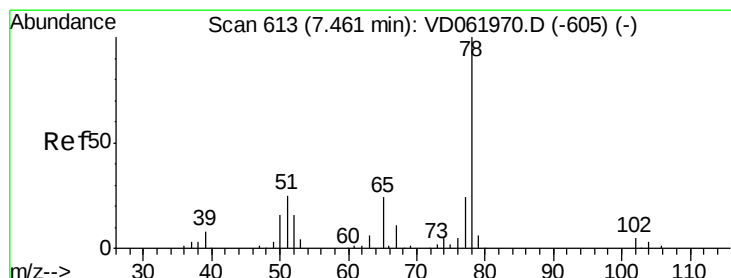
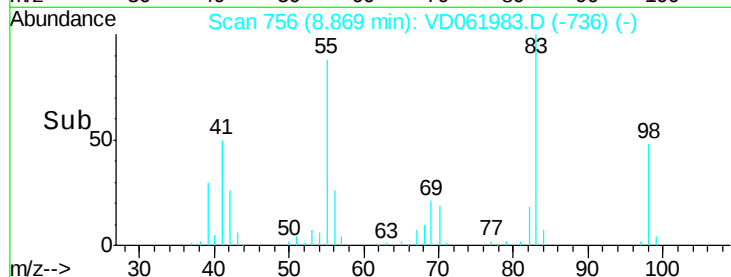
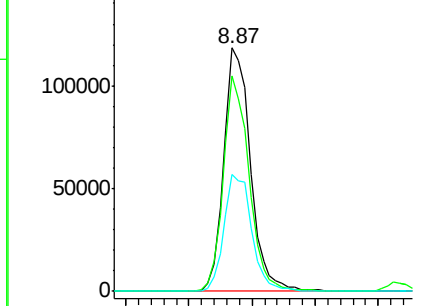
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.355 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061983.D

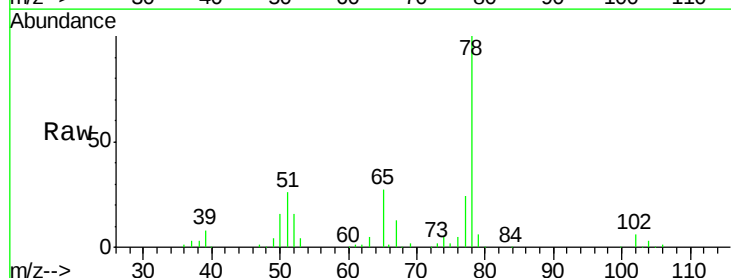
Acq: 23 Apr 2019 23:34

Tgt Ion: 78 Resp: 905071

Ion Ratio Lower Upper

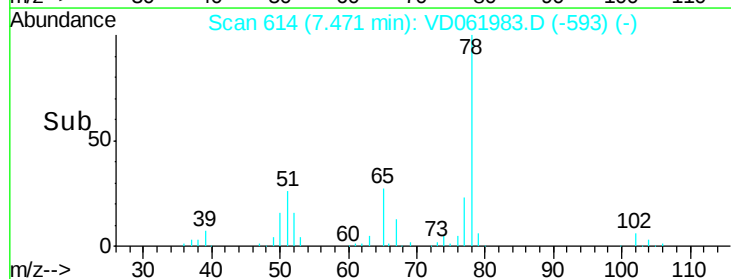
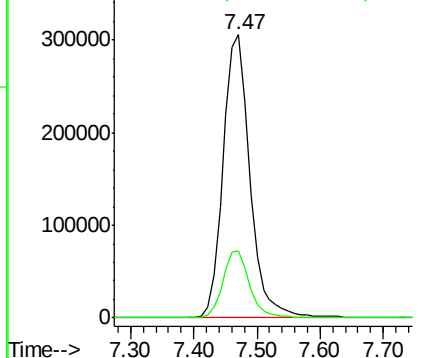
78 100

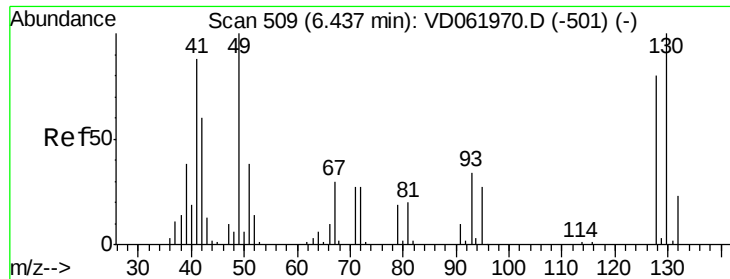
77 23.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





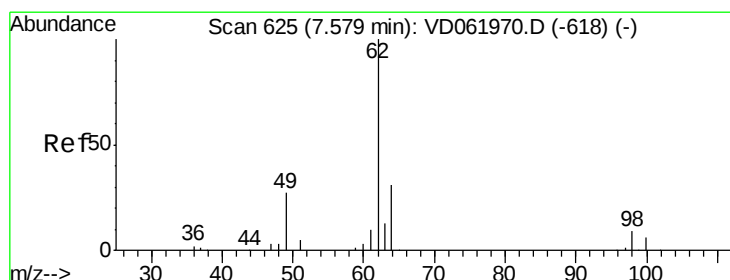
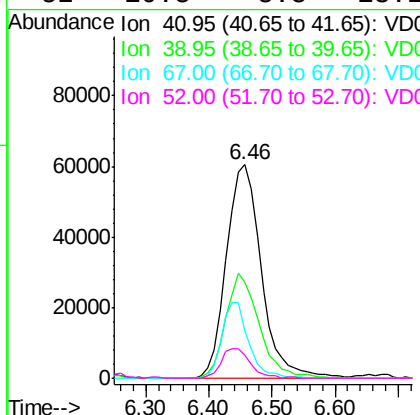
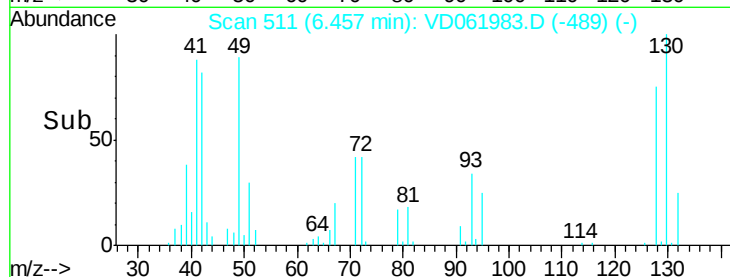
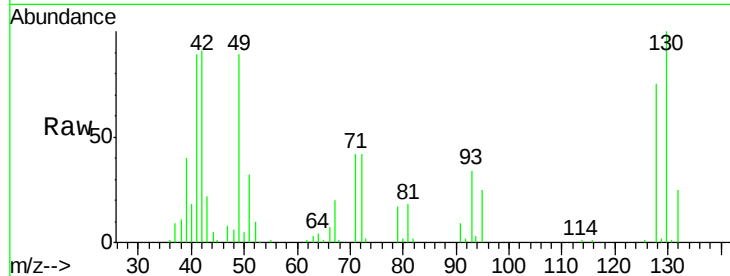
#41
Methacrylonitrile
Concen: 66.965 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	44.7	34.1	51.1	
67	22.0	23.8	35.6	
52	10.8	8.8	13.2	

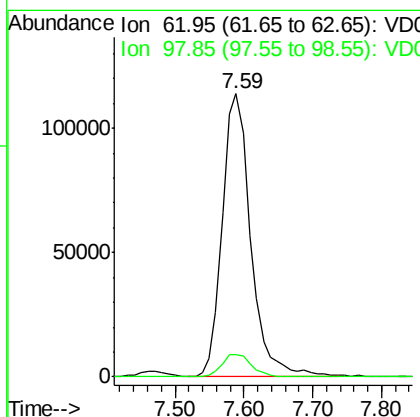
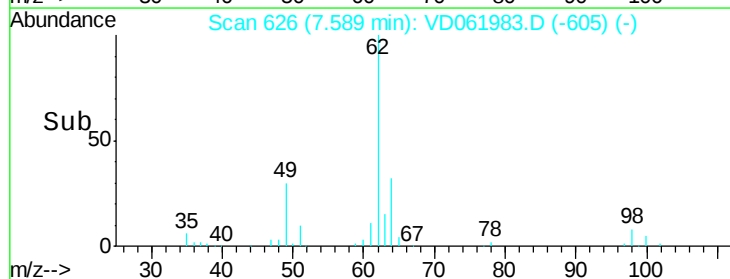
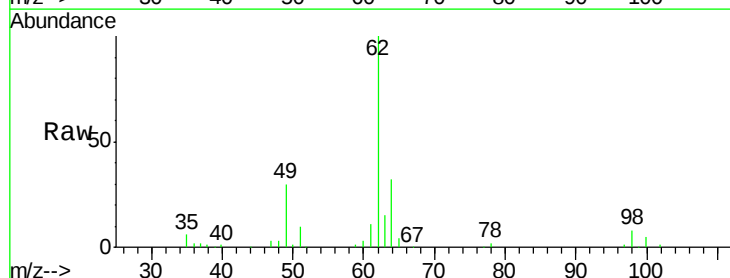
Manual Integrations
APPROVED

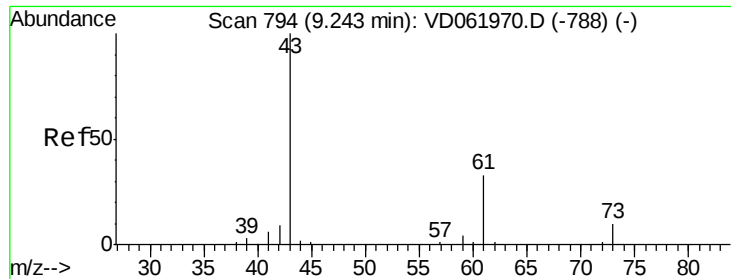
MMDadoda
4/24/2019 1:46:07 PM



#42
1,2-Dichloroethane
Concen: 55.710 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.8	0.0	17.8	





#43

Isopropyl Acetate

Concen: 62.781 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

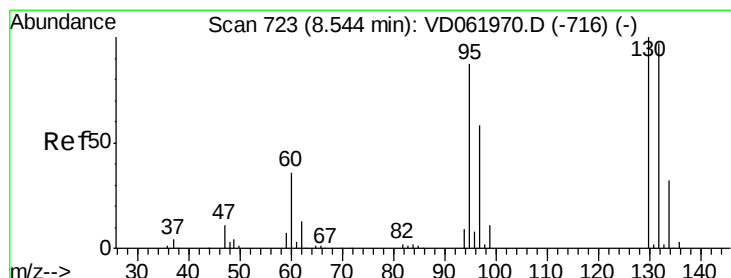
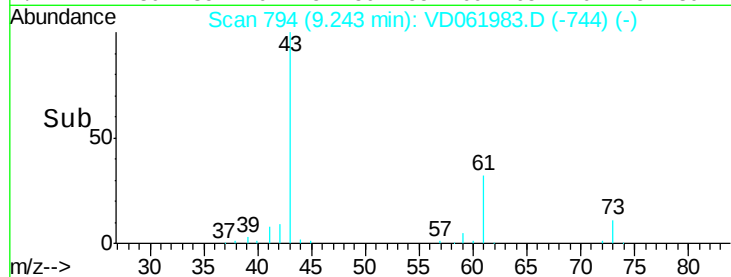
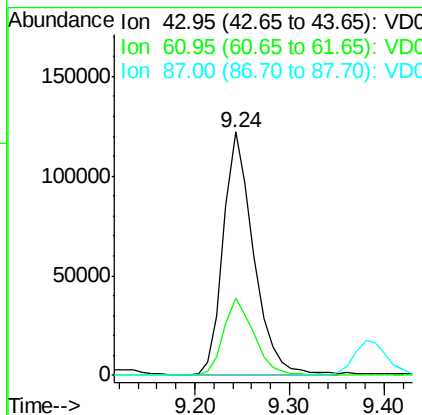
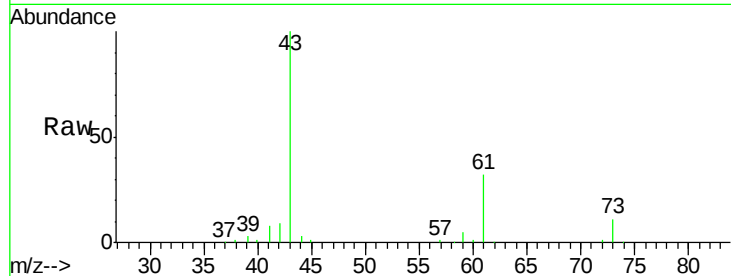
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	272959
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
APPROVED

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4/24/2019 1:46:07 PM



#44

Trichloroethene

Concen: 51.099 ug/l

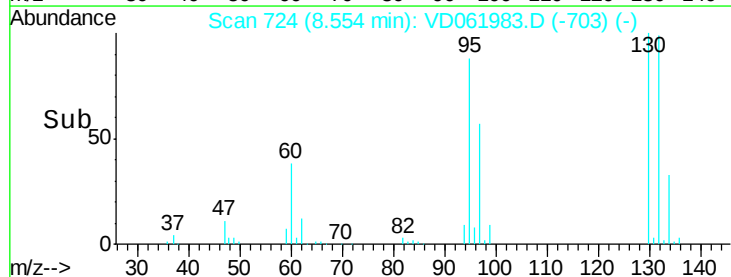
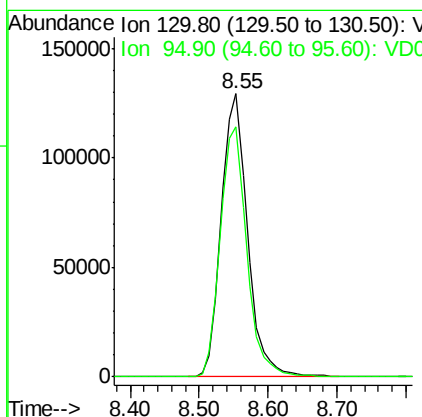
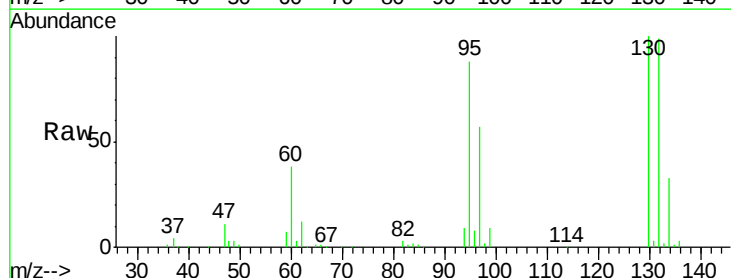
RT: 8.55 min Scan# 724

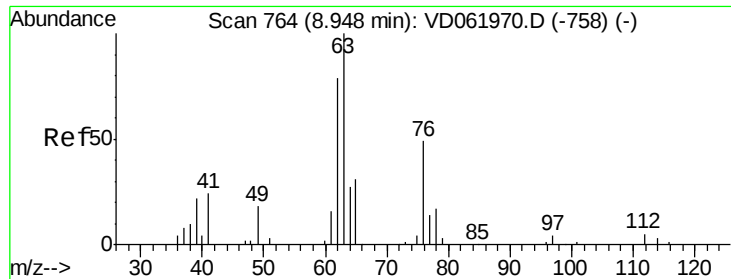
Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	130	Resp:	342466
Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	174.0





#45

1,2-Dichloropropane

Concen: 55.638 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 244003

Ion Ratio Lower Upper

63 100

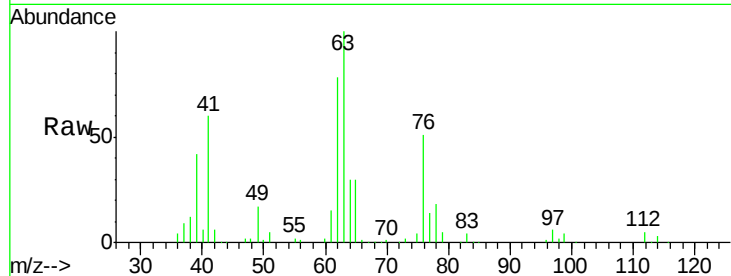
65 29.6 23.8 35.6

Manual Integrations

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4/24/2019 1:46:07 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

100000

80000

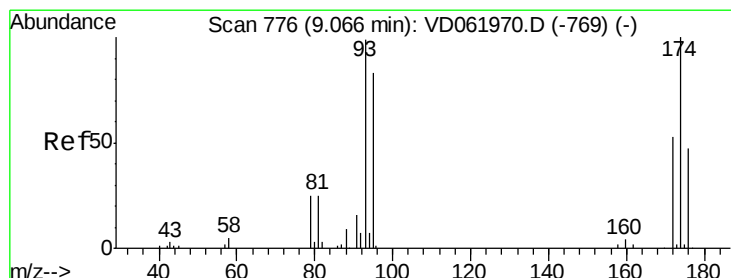
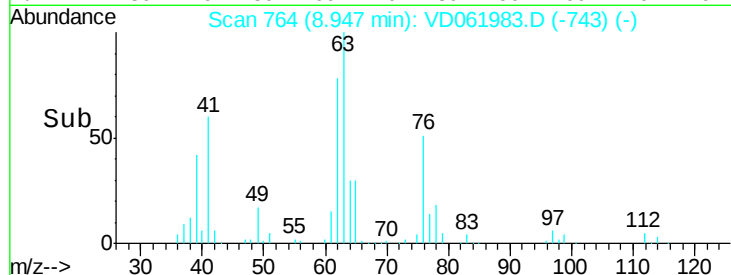
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 61.442 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

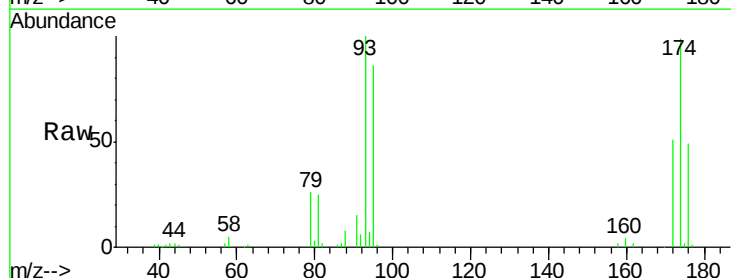
Tgt Ion: 93 Resp: 193892

Ion Ratio Lower Upper

93 100

95 86.2 64.8 97.2

174 98.5 79.3 118.9



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

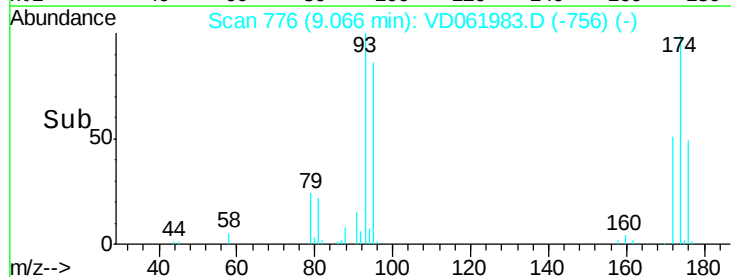
60000

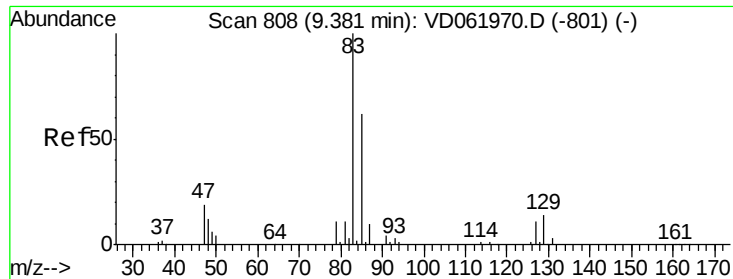
40000

20000

0

Time-->





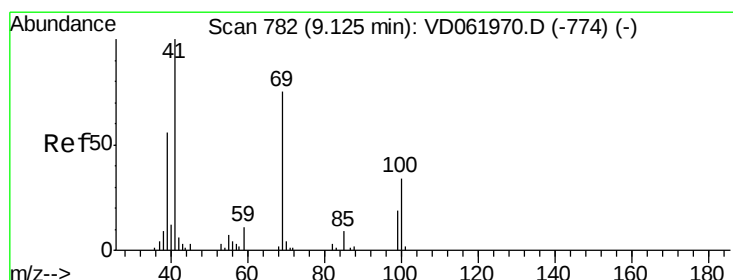
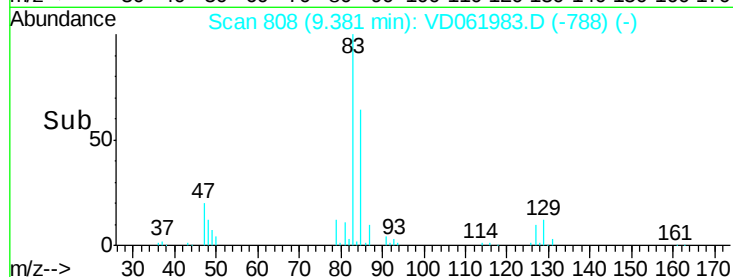
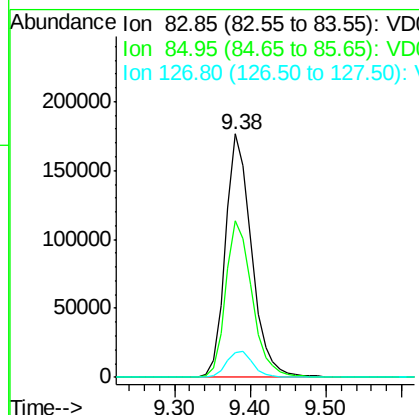
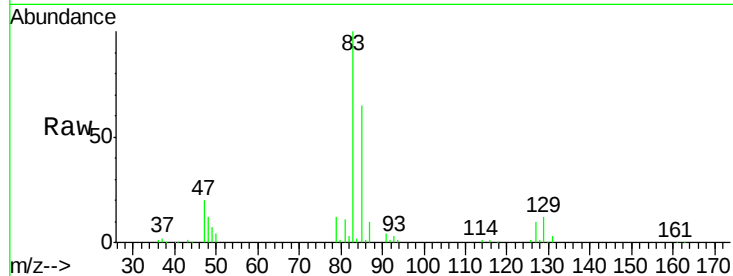
#47
Bromodichloromethane
Concen: 56.594 ug/l
RT: 9.38 min Scan# 808
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	421987
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3
127	10.4	8.1	12.1

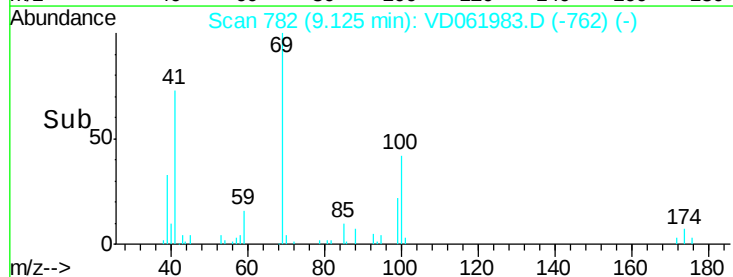
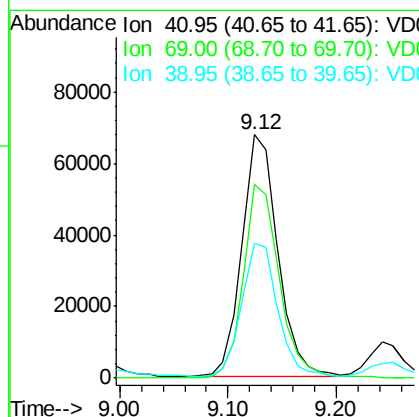
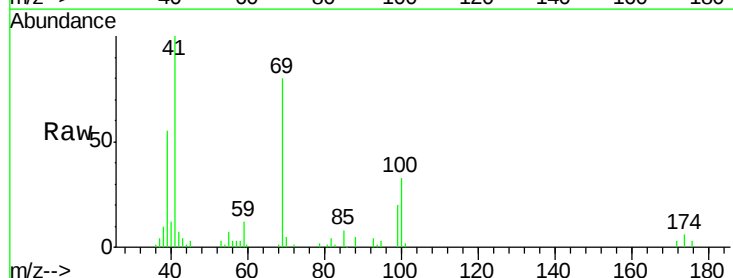
Manual Integrations
APPROVED

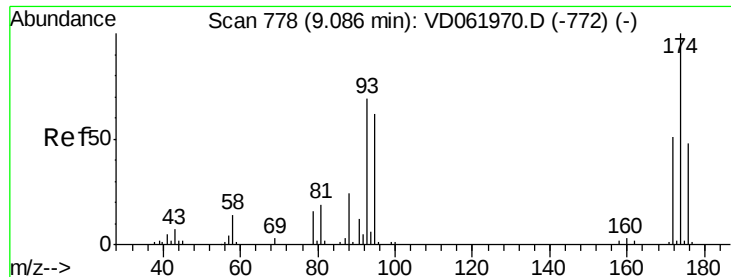
MMDadoda
4/24/2019 1:46:07 PM



#48
Methyl methacrylate
Concen: 63.351 ug/l
RT: 9.12 min Scan# 782
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	41	Resp	157152
Ion	Ratio	Lower	Upper
41	100		
69	79.8	64.2	96.2
39	55.4	46.8	70.2





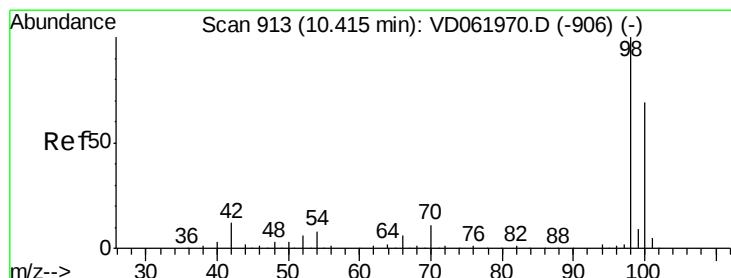
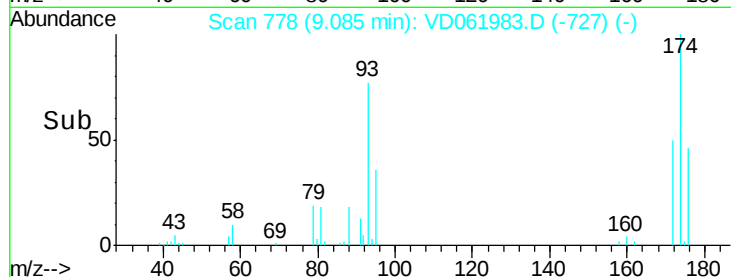
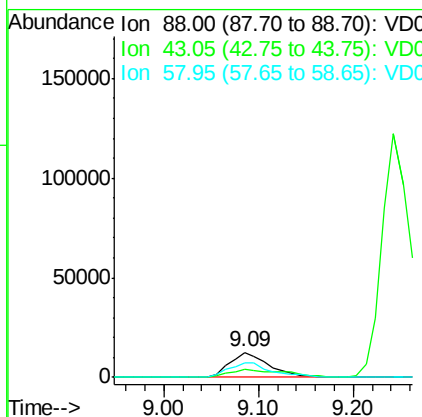
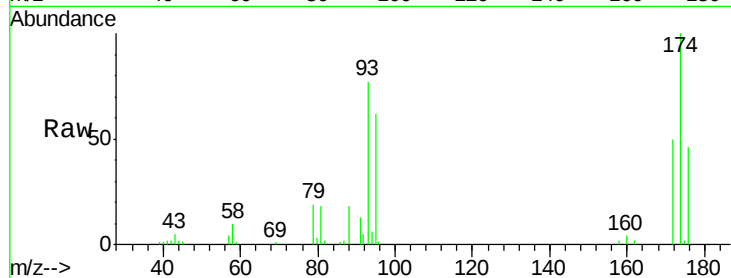
#49
1,4-Dioxane
Concen: 1372.388 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.4	35.0
58	56.4	44.0	66.0

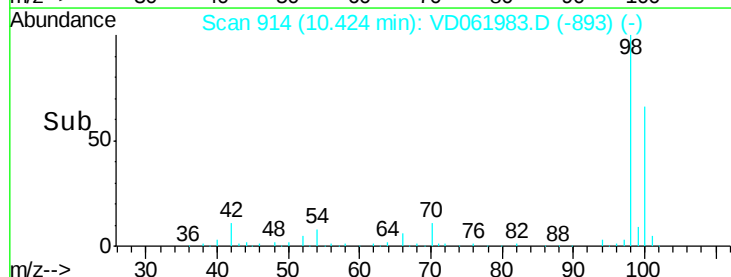
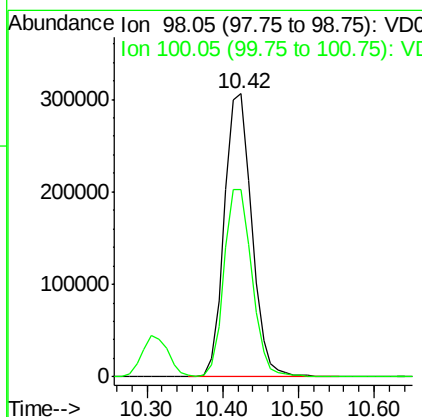
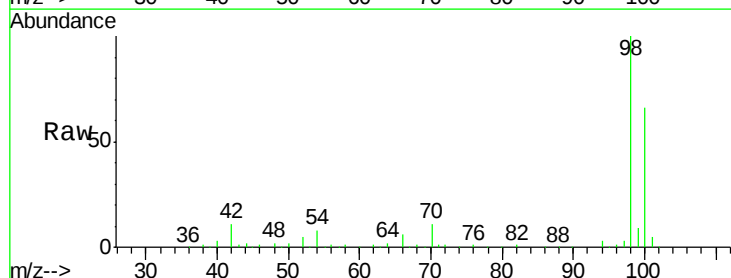
Manual Integrations
APPROVED

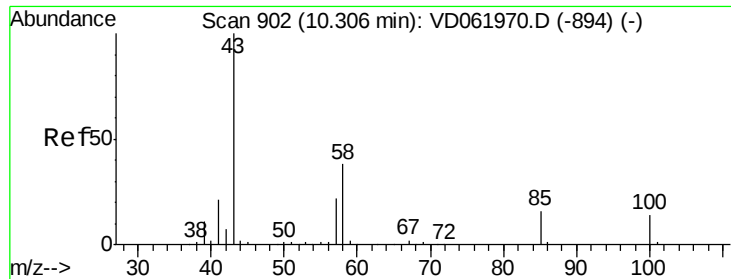
MMDadoda
4/24/2019 1:46:07 PM



#50
Toluene-d8
Concen: 1372.388 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 319.436 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 849361

Ion Ratio Lower Upper

43 100

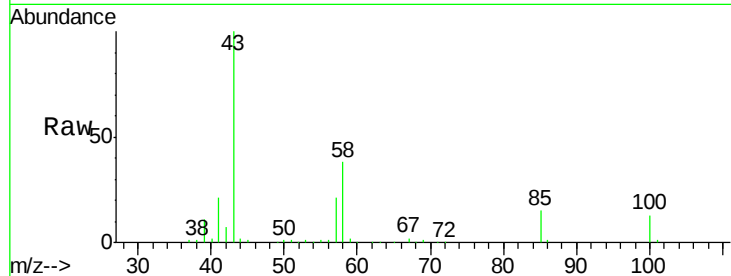
58 37.7 30.4 45.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

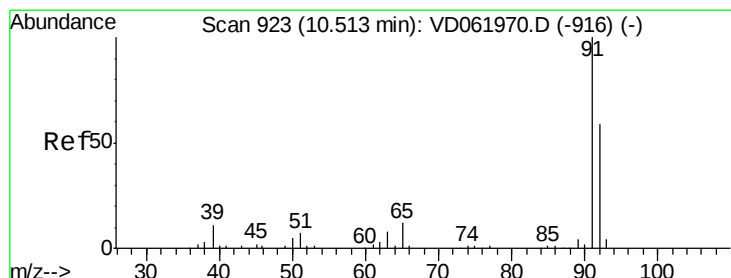
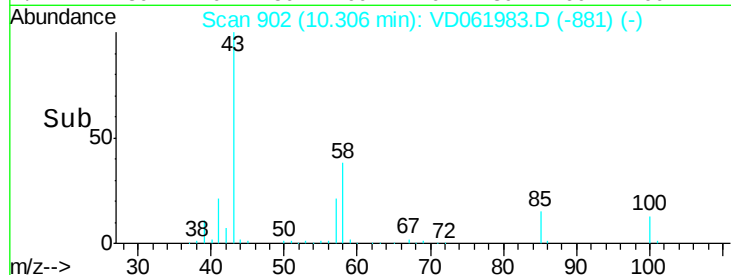
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.516 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061983.D

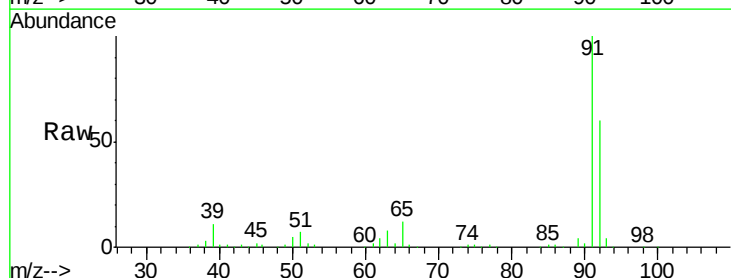
Acq: 23 Apr 2019 23:34

Tgt Ion: 92 Resp: 589885

Ion Ratio Lower Upper

92 100

91 165.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

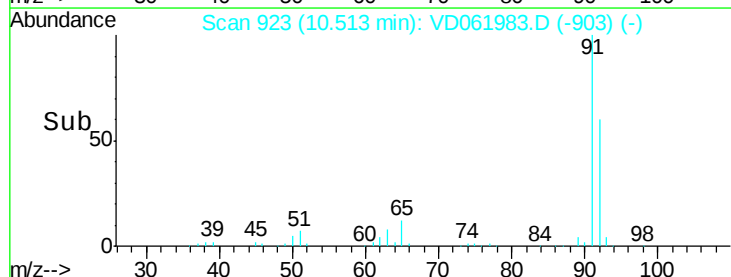
300000

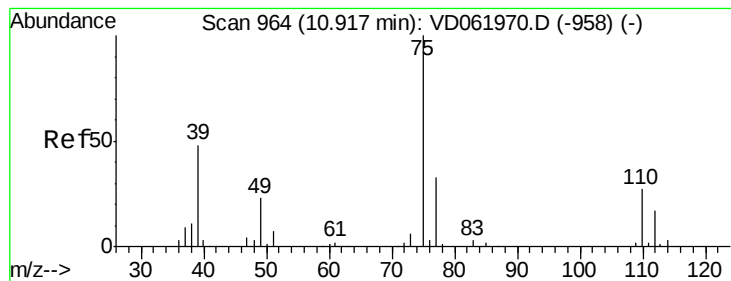
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 62.152 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 388991

Ion Ratio Lower Upper

75 100

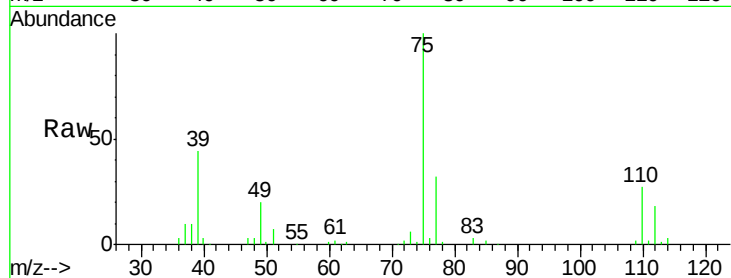
77 31.6 25.8 38.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

200000

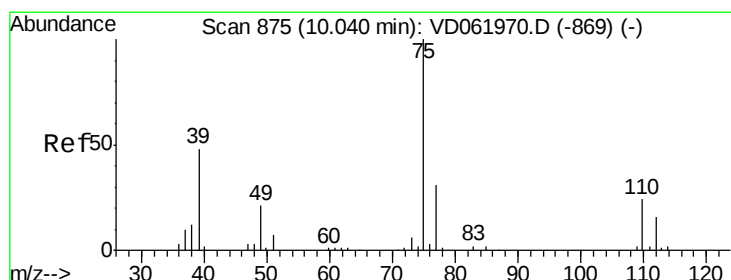
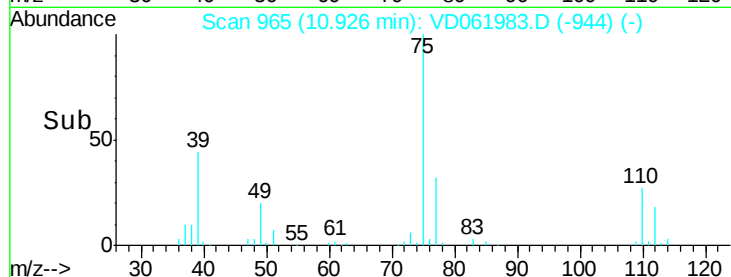
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.263 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

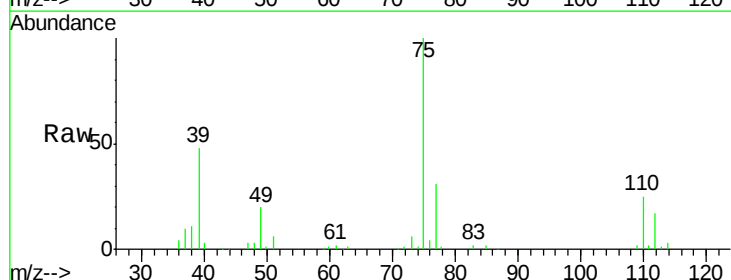
Tgt Ion: 75 Resp: 451122

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 47.8 39.4 59.2



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

10.05

250000

200000

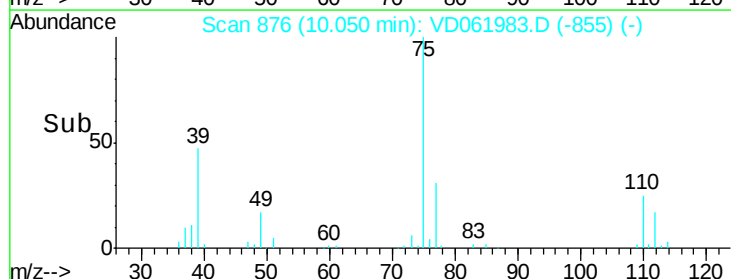
150000

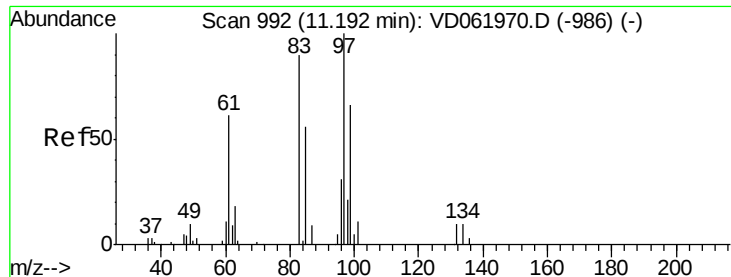
100000

50000

0

Time-->





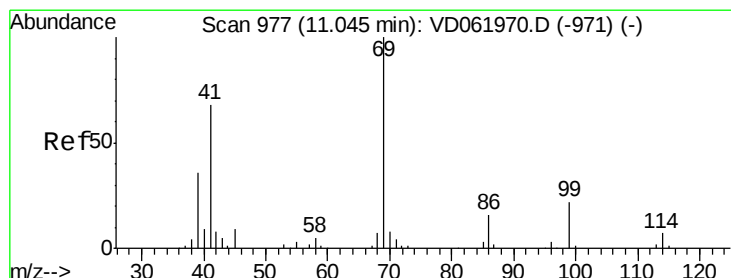
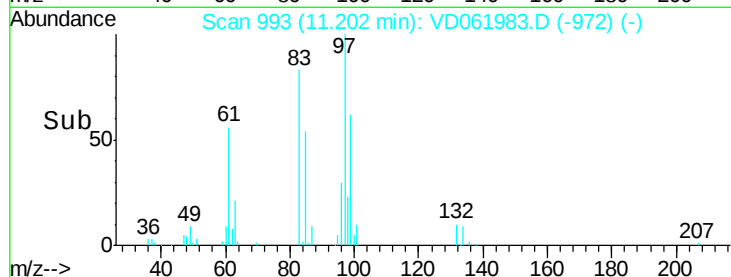
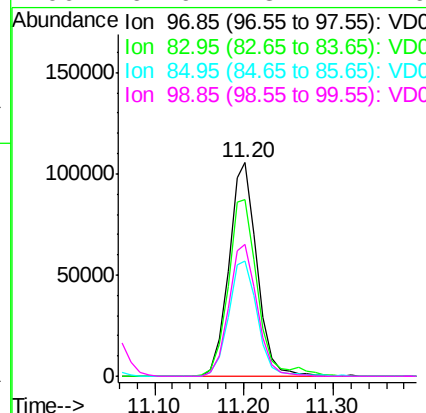
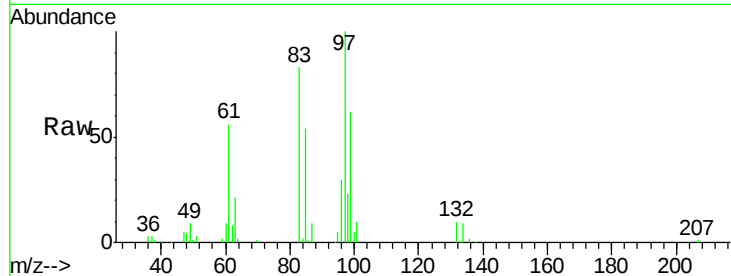
#55
 1,1,2-Trichloroethane
 Concen: 63.210 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	233908		
83	82.7	65.7	98.5	
85	54.2	45.6	68.4	
99	61.9	48.4	72.6	

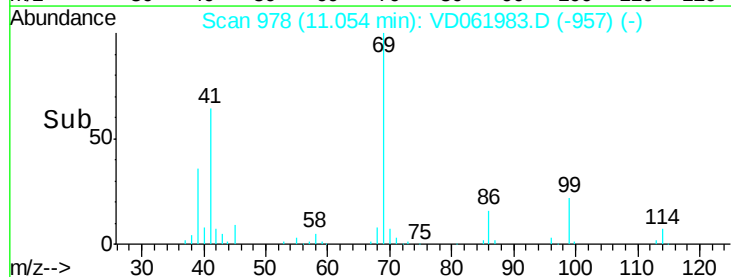
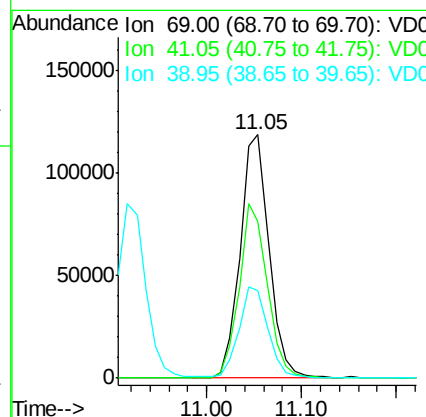
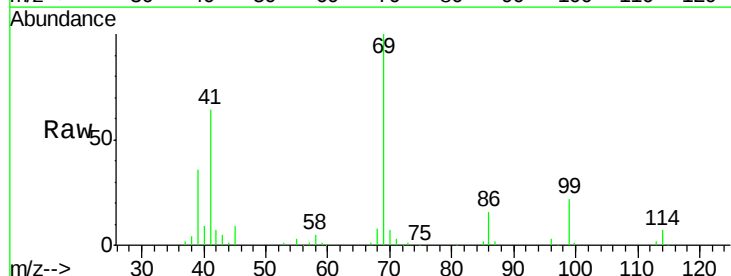
Manual Integrations
 APPROVED

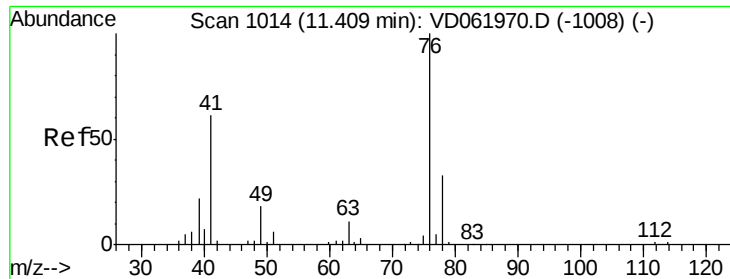
MMDadoda
 4/24/2019 1:46:07 PM



#56
 Ethyl methacrylate
 Concen: 61.390 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	251604		
41	64.1	56.3	84.5	
39	36.1	29.4	44.2	





#57

1,3-Dichloropropane

Concen: 60.150 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 343778

Ion Ratio Lower Upper

76 100

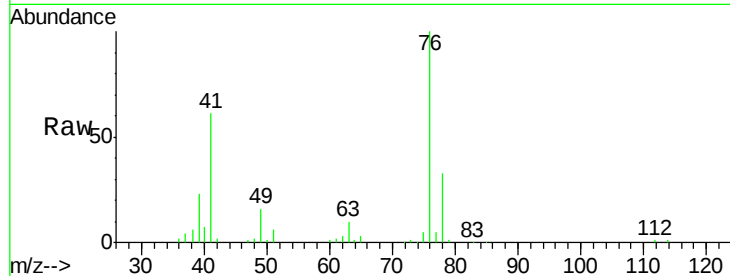
78 32.7 26.2 39.2

Manual Integrations

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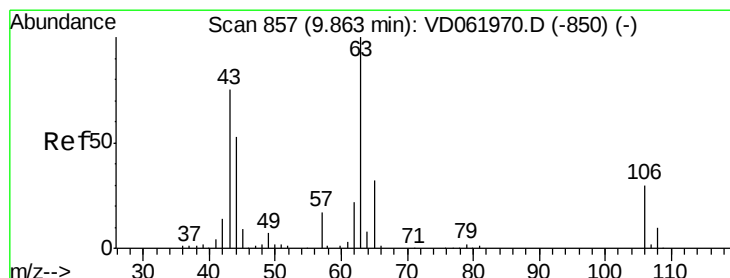
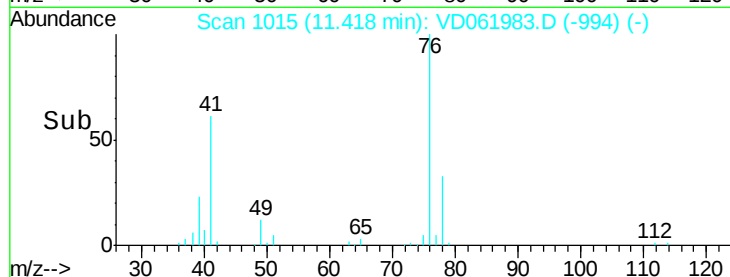
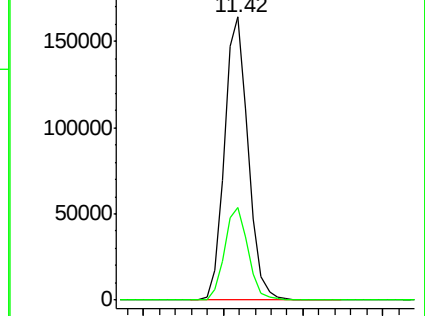
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 298.069 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061983.D

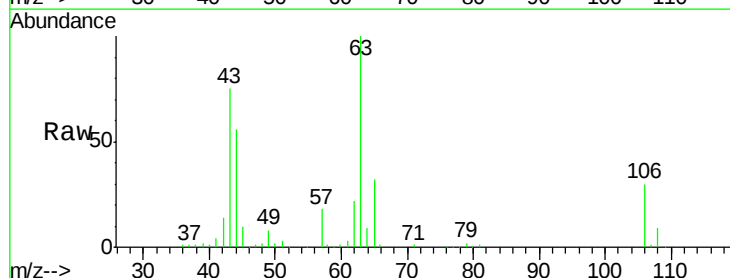
Acq: 23 Apr 2019 23:34

Tgt Ion: 63 Resp: 567966

Ion Ratio Lower Upper

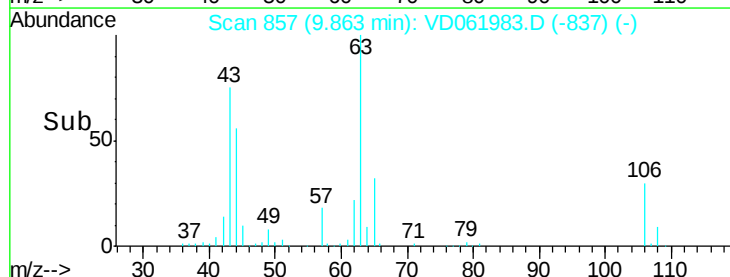
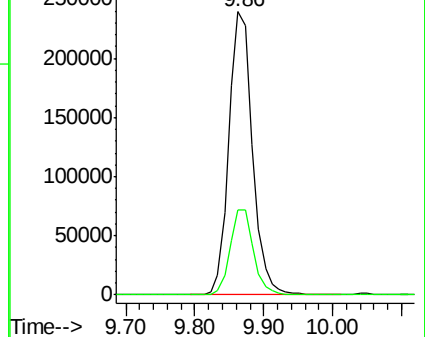
63 100

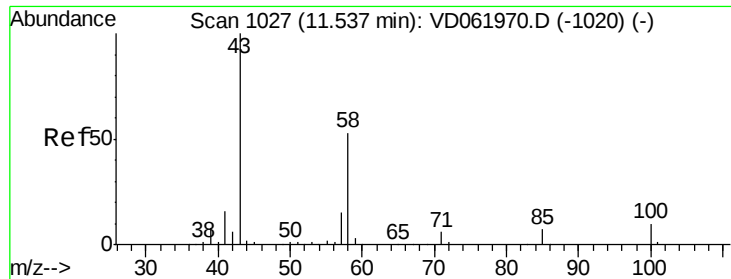
106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





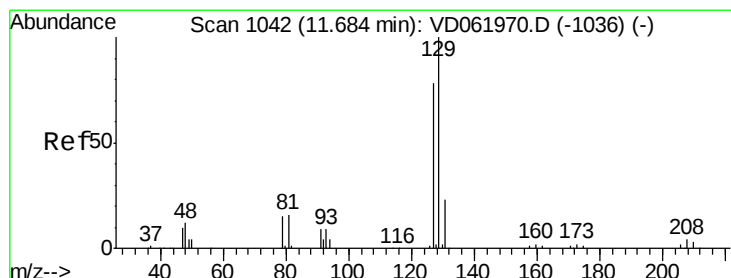
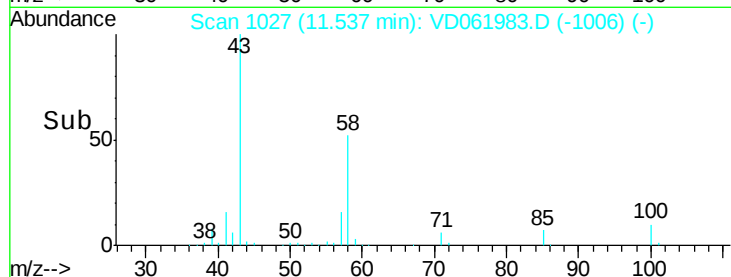
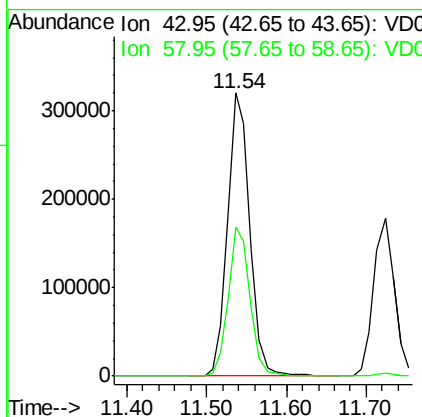
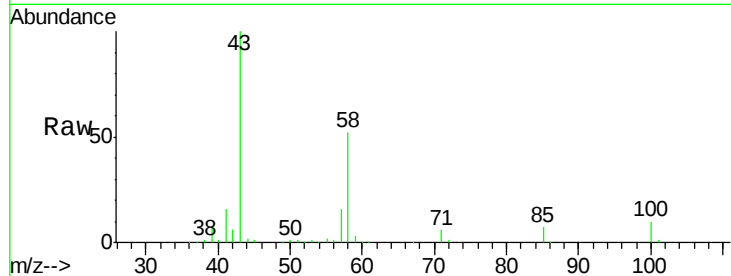
#59
2-Hexanone
Concen: 316.056 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 630401
Ion Ratio Lower Upper
43 100
58 52.5 25.4 76.4

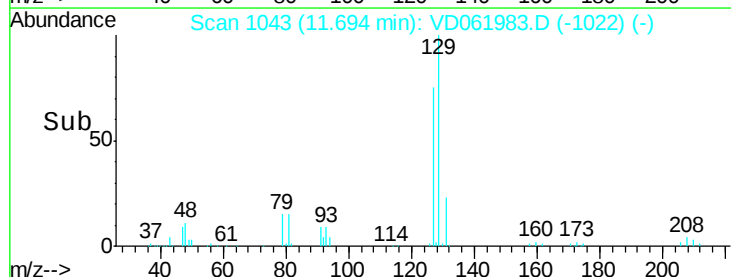
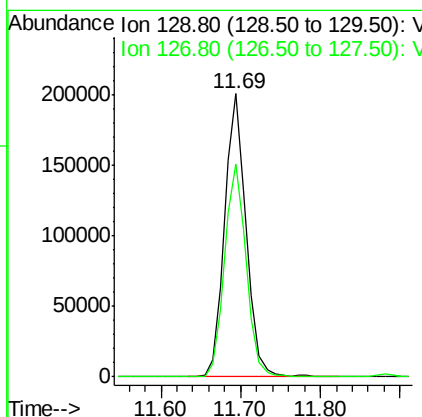
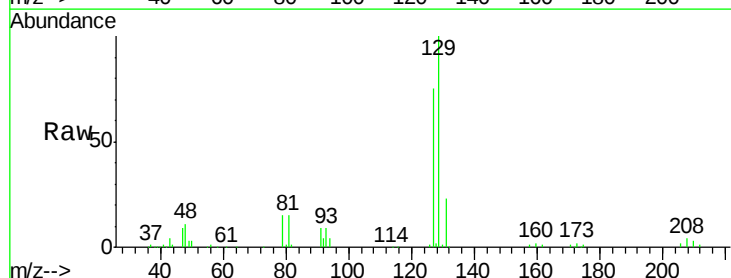
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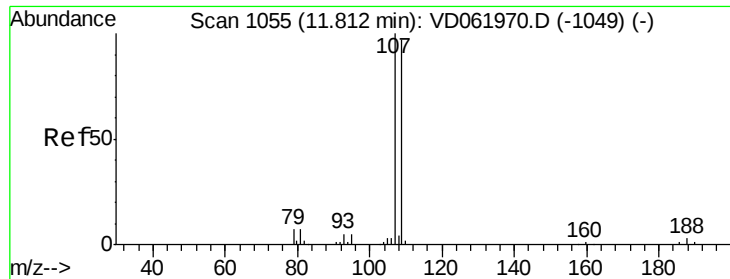
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#60
Dibromochloromethane
Concen: 62.430 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion: 129 Resp: 382254
Ion Ratio Lower Upper
129 100
127 75.2 38.0 113.9





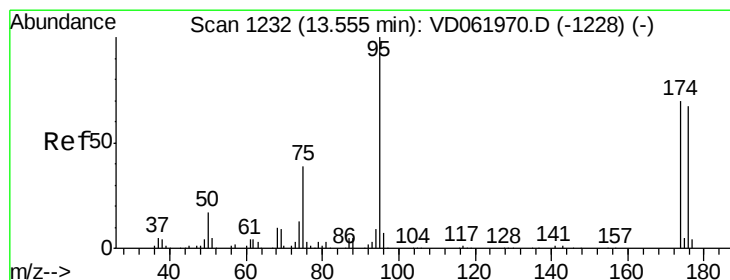
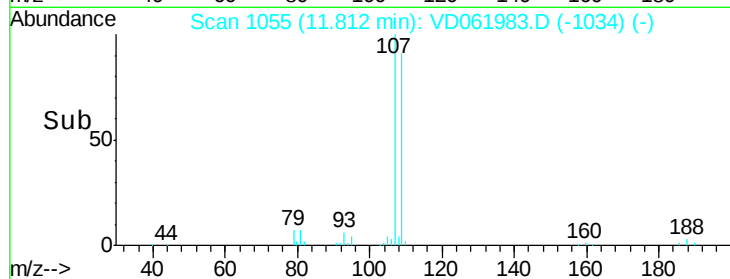
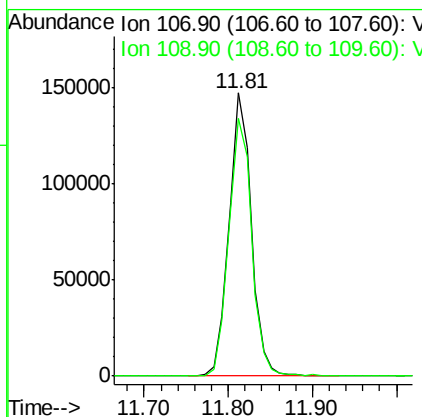
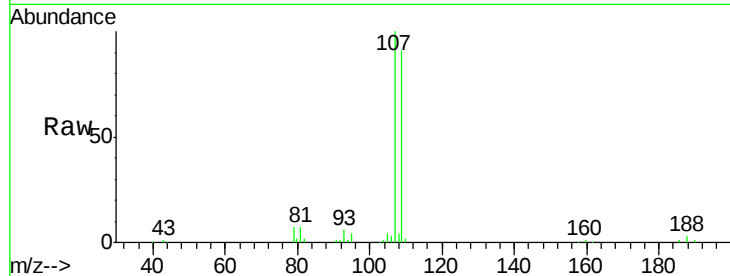
#61
 1,2-Dibromoethane
 Concen: 61.798 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	78.3	117.5

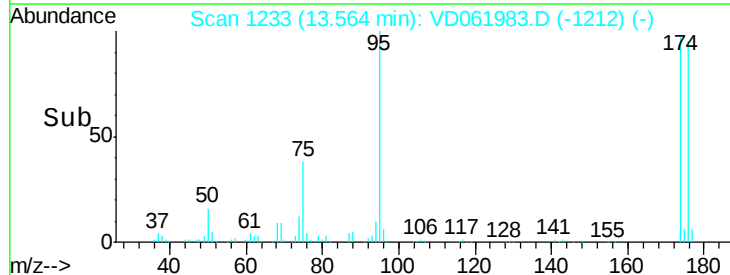
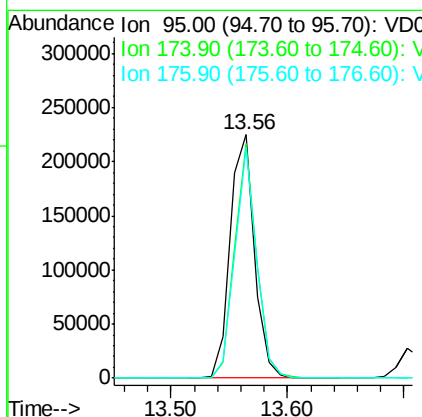
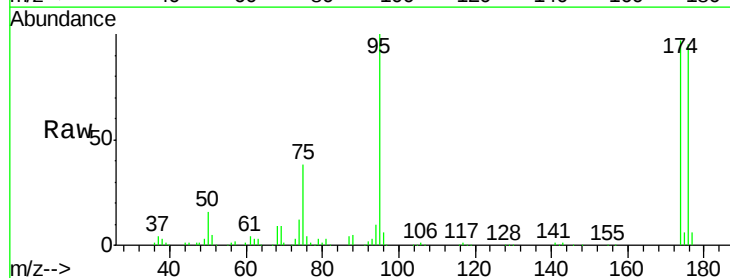
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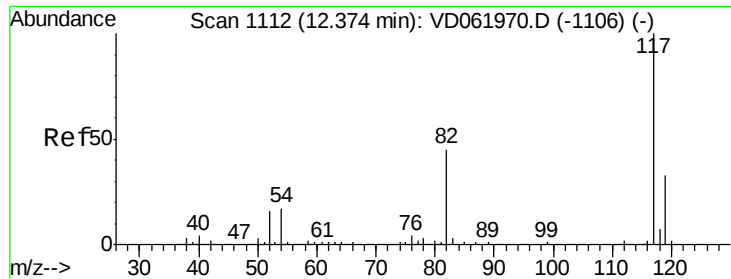
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#62
 4-Bromofluorobenzene
 Concen: 61.798 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	181.8
176	94.9	0.0	174.4





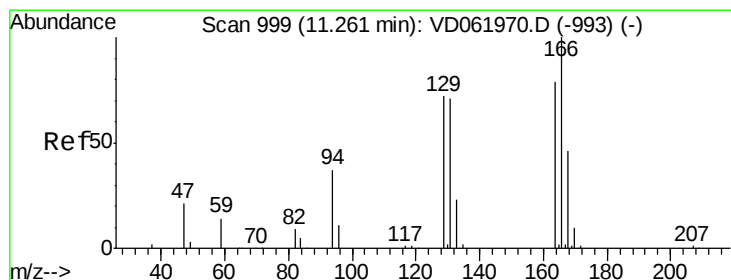
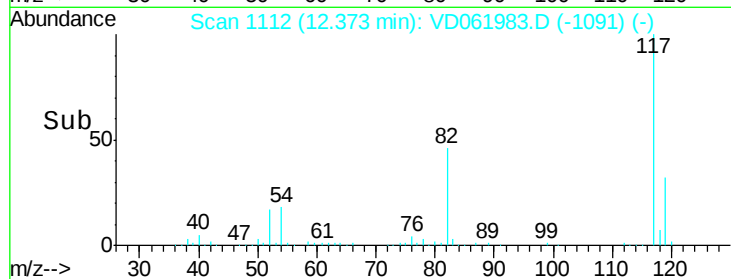
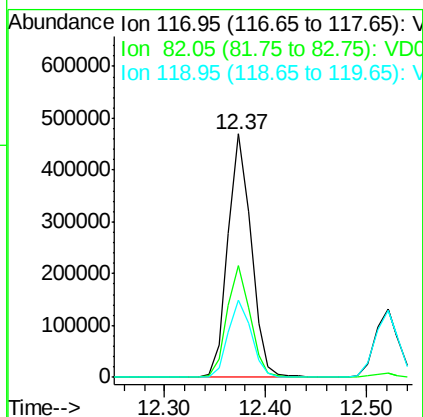
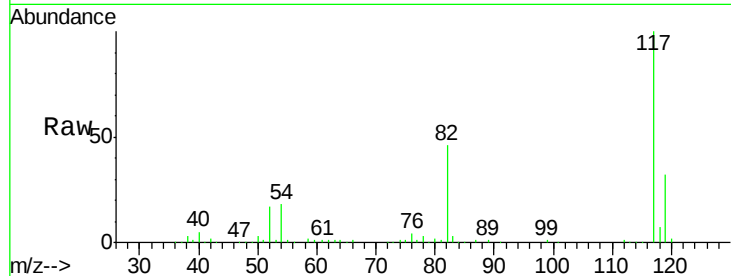
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.1	36.2	54.2
119	31.8	26.2	39.4

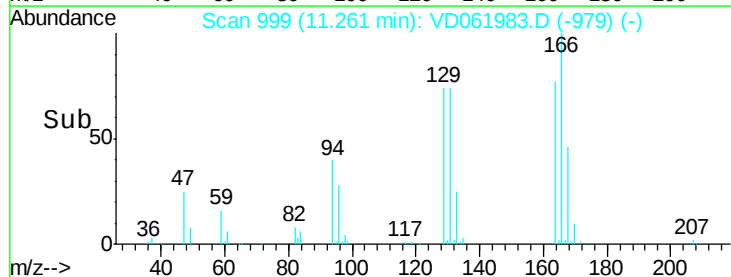
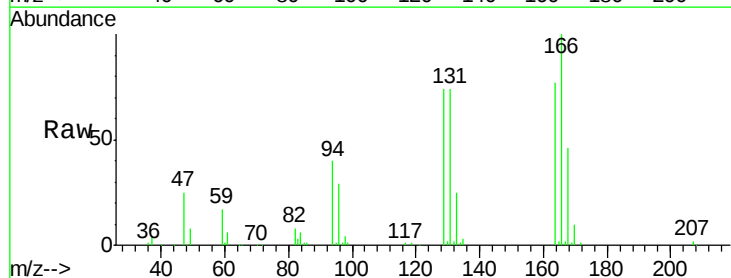
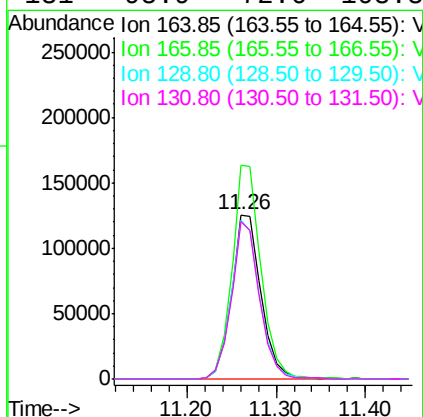
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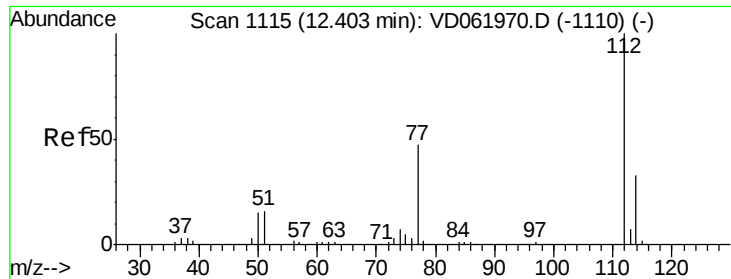
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#64
Tetrachloroethene
Concen: 53.547 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.5	152.3
129	96.5	74.6	112.0
131	95.9	72.6	108.8





#65

Chlorobenzene

Concen: 50.103 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 712553

Ion Ratio Lower Upper

112 100

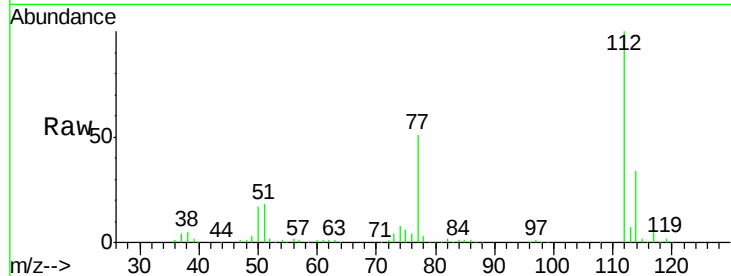
114 33.6 25.8 38.8

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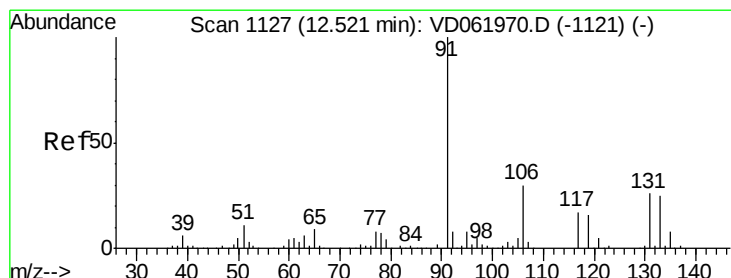
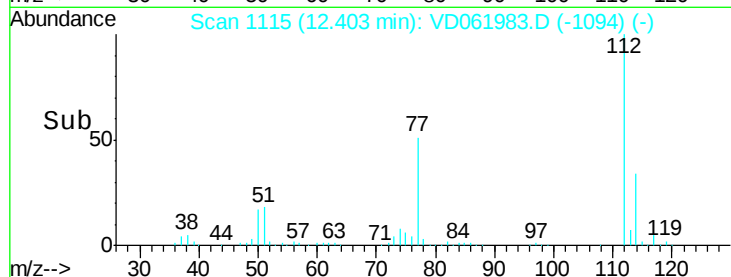
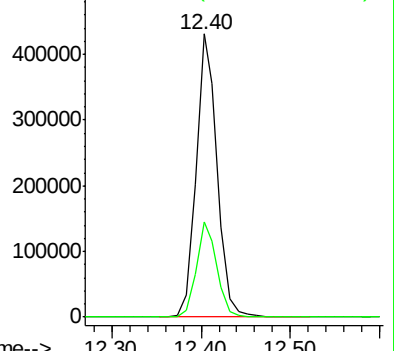
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.734 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

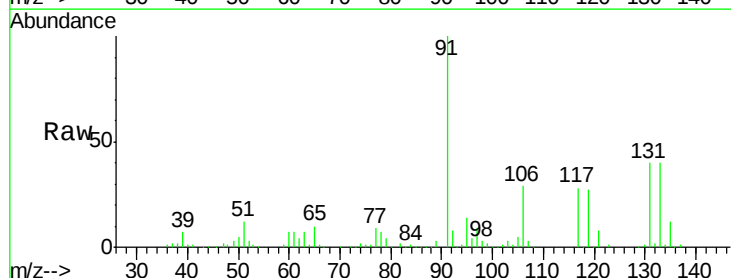
Tgt Ion:131 Resp: 318121

Ion Ratio Lower Upper

131 100

133 100.3 48.6 145.8

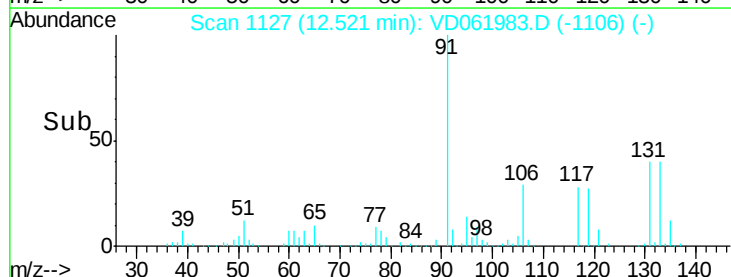
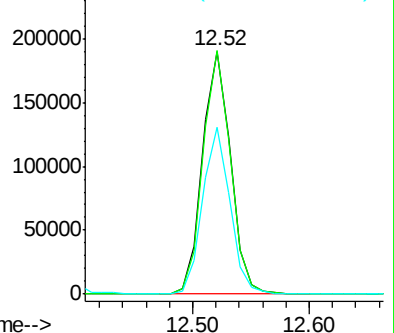
119 68.4 34.7 104.1

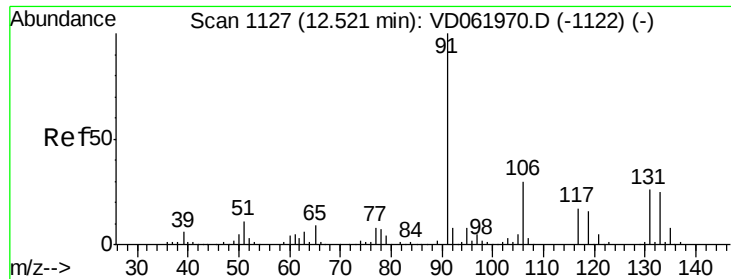


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





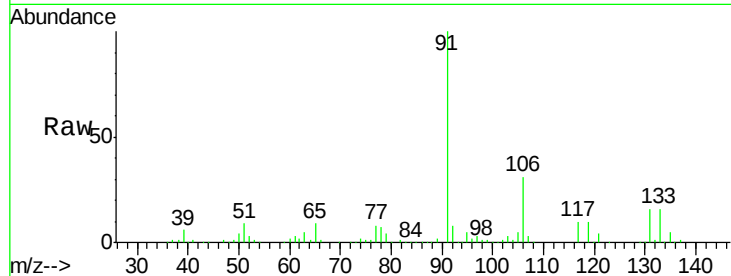
#67
Ethyl Benzene
Concen: 50.077 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

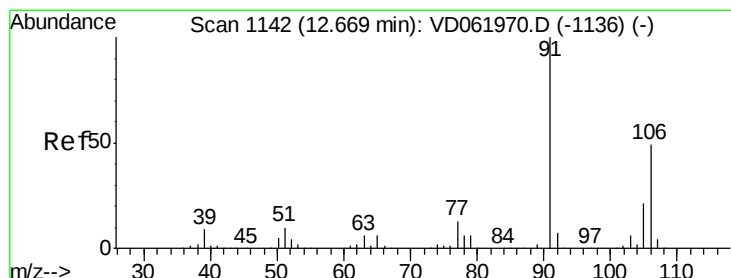
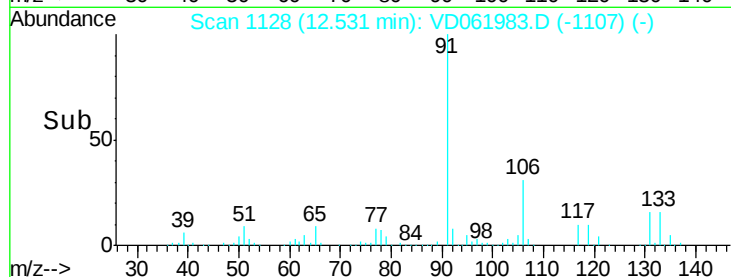
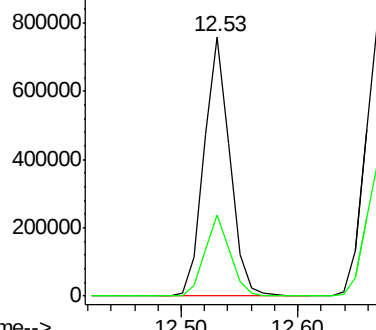
Tot Ion: 91 Resp: 1162424
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

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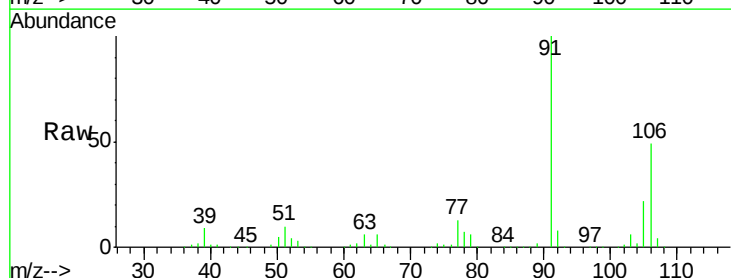


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

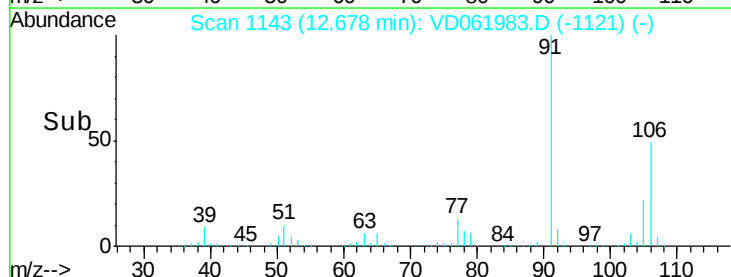
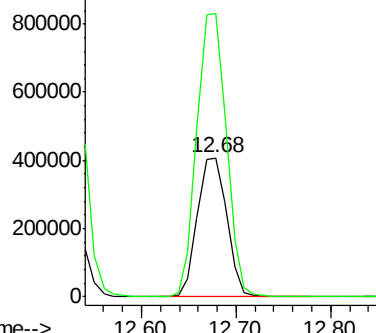


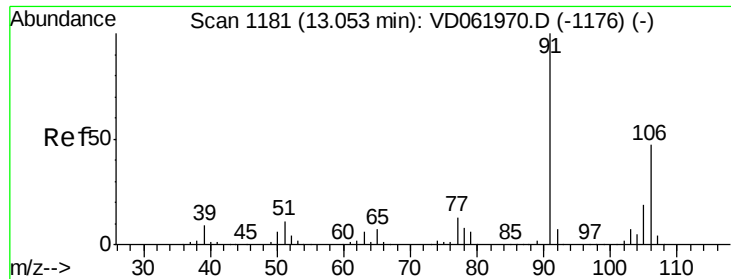
#68
m/p-Xylenes
Concen: 105.011 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:106 Resp: 881008
Ion Ratio Lower Upper
106 100
91 203.8 164.0 246.0



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





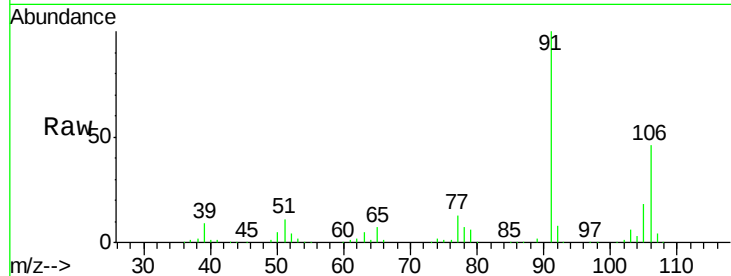
#69
o-Xylene
Concen: 53.547 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

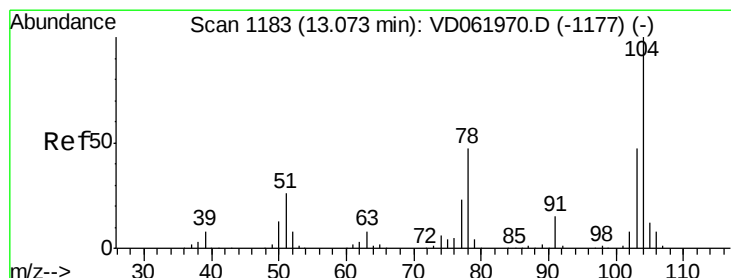
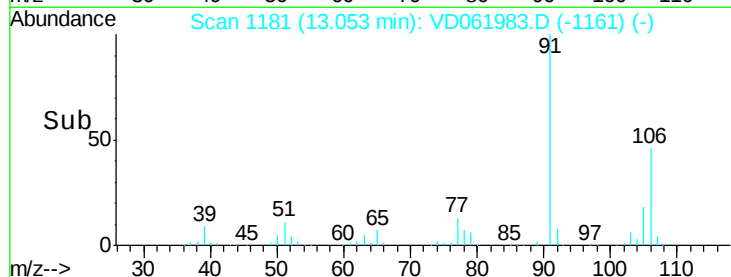
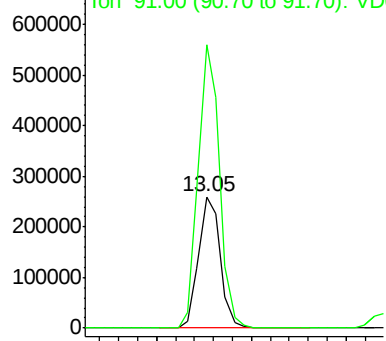
Tot Ion:106 Resp: 411039
Ion Ratio Lower Upper
106 100
91 215.9 106.7 319.9

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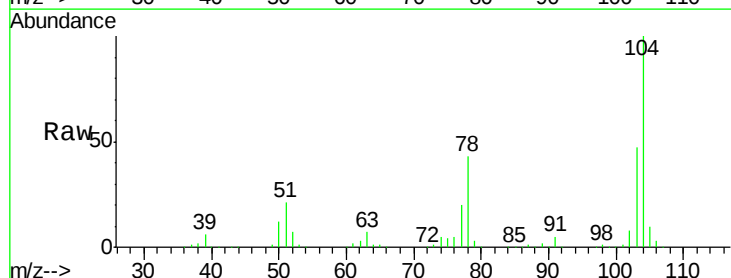


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

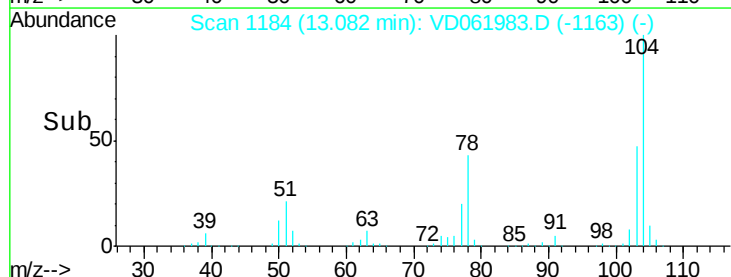
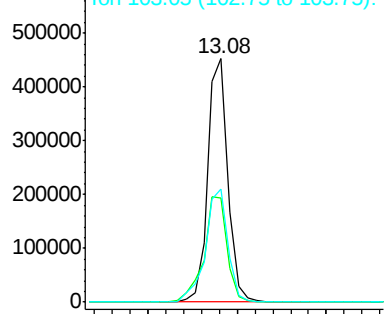


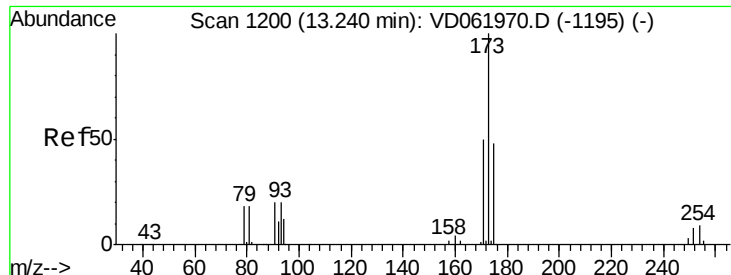
#70
Styrene
Concen: 53.775 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion:104 Resp: 712765
Ion Ratio Lower Upper
104 100
78 42.6 35.4 53.2
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 59.736 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 205446

Ion Ratio Lower Upper

173 100

175 50.3 24.4 73.4

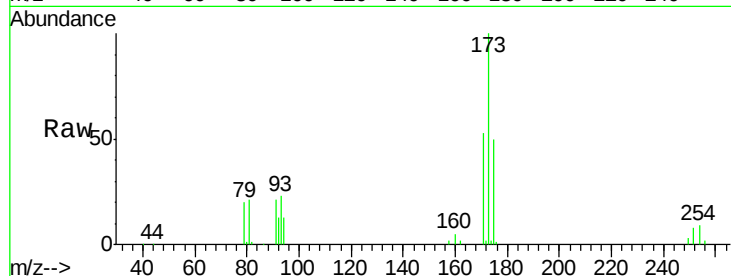
254 8.6 5.4 8.2#

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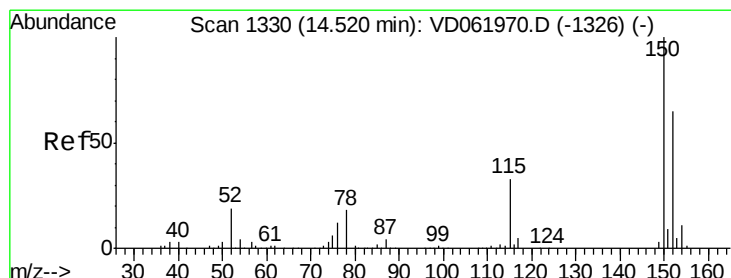
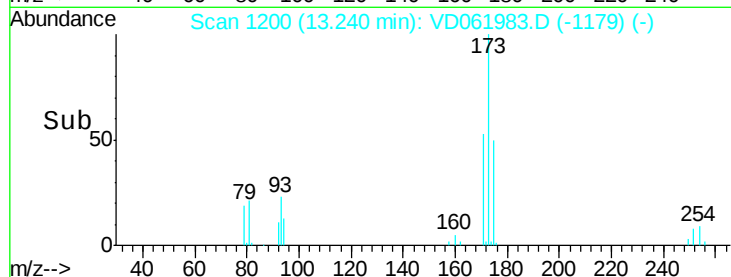
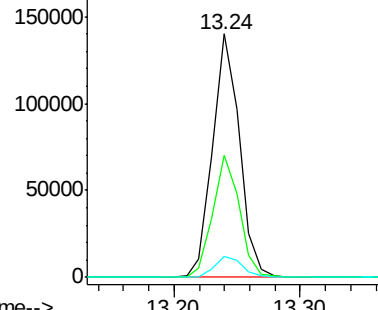
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

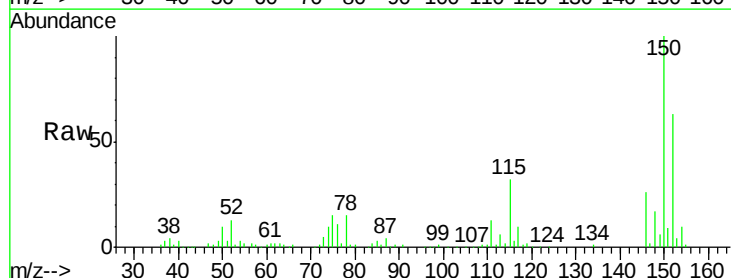
Tgt Ion:152 Resp: 319005

Ion Ratio Lower Upper

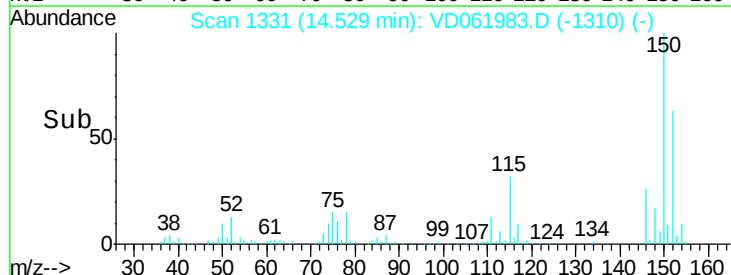
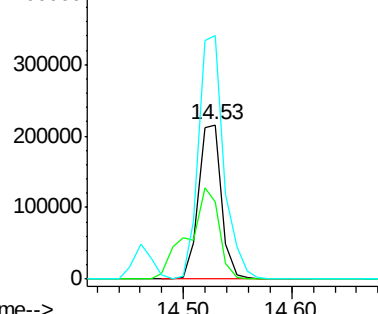
152 100

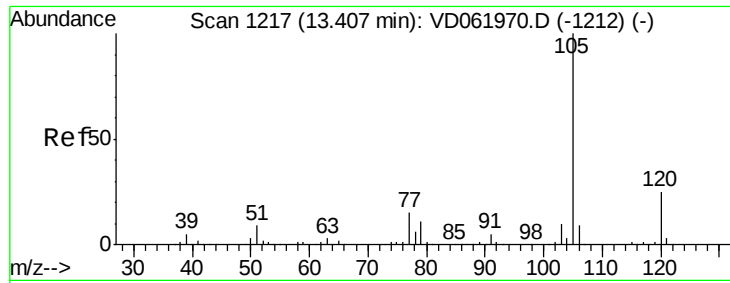
115 50.3 30.9 92.7

150 157.6 0.0 314.8



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: 52.860 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1124859

Ion Ratio Lower Upper

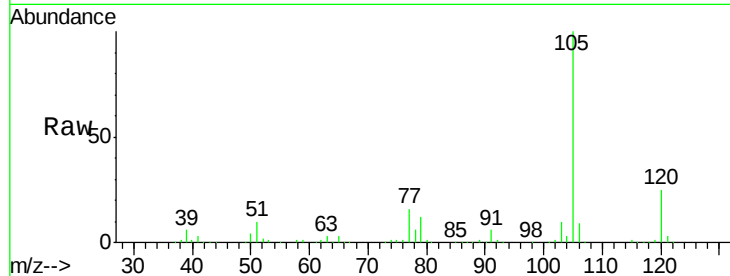
105 100

120 25.1 12.0 36.1

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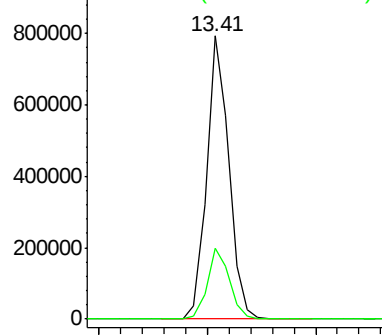
MMDadoda

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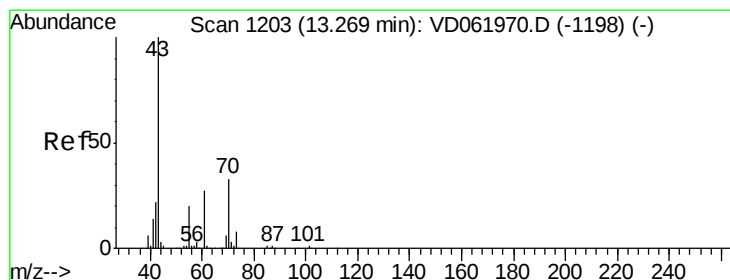
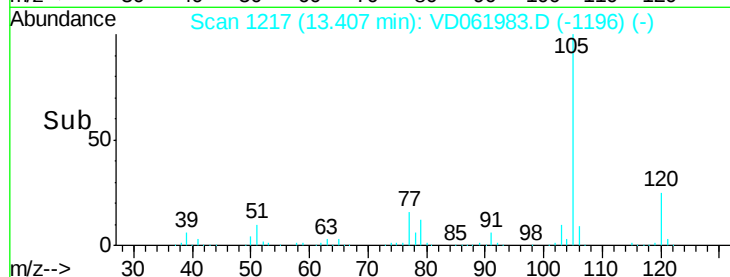


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 63.637 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion: 43 Resp: 348754

Ion Ratio Lower Upper

43 100

70 31.1 24.2 36.4

55 19.0 16.0 24.0

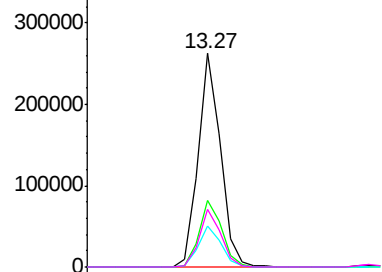
61 26.9 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): VDC

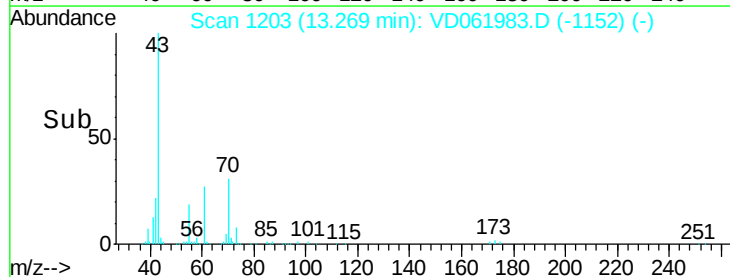
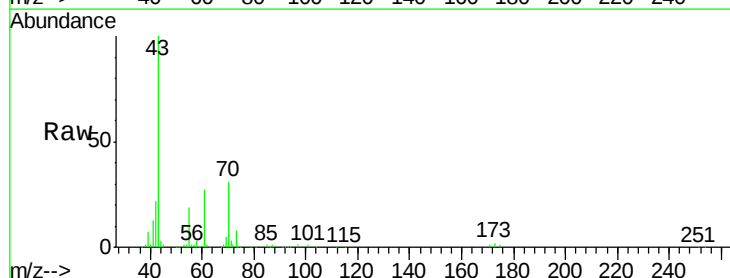
Ion 70.00 (69.70 to 70.70): VDC

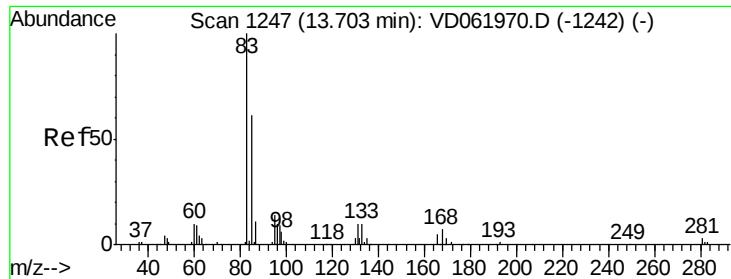
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 63.089 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

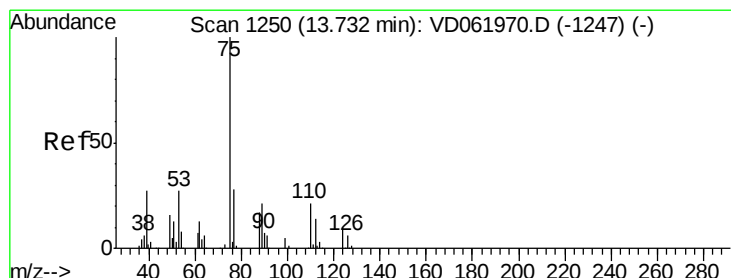
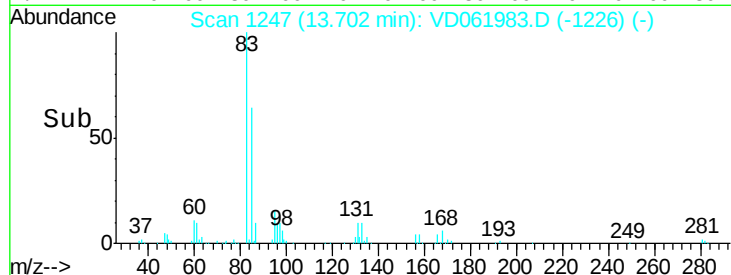
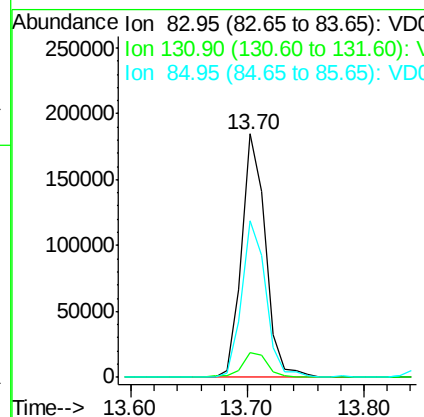
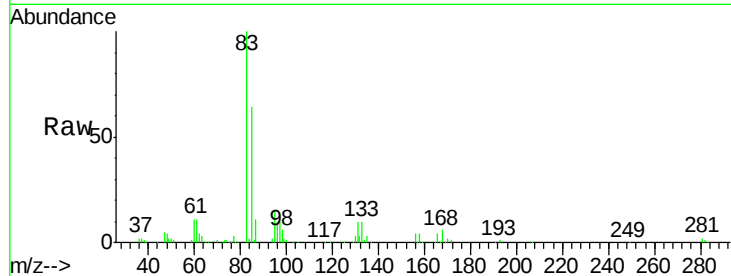
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	263084
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	64.4	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 64.816 ug/l

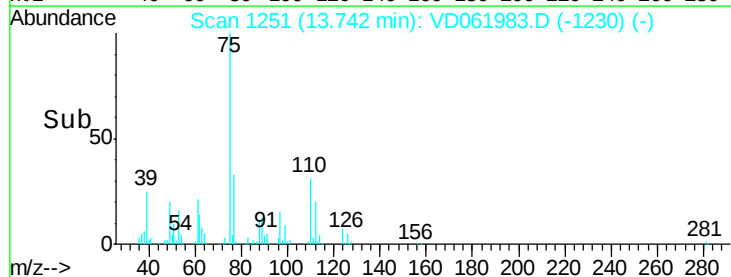
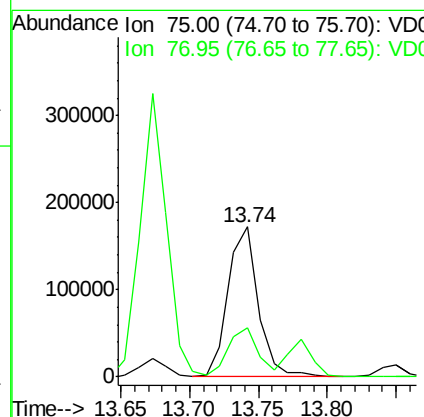
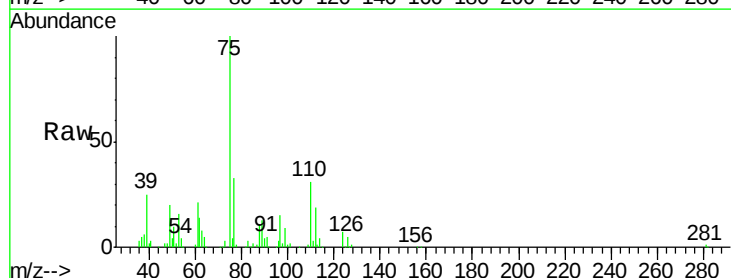
RT: 13.74 min Scan# 1251

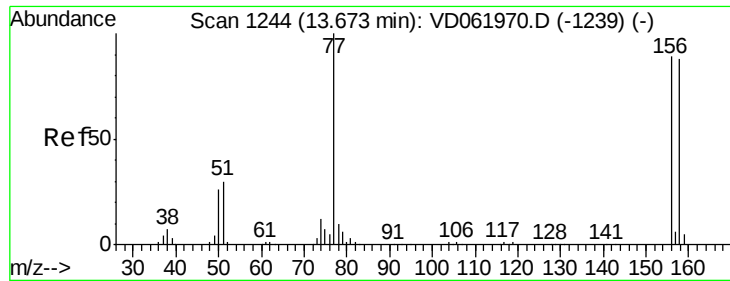
Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion:	75	Resp:	262563
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.4	49.4





#77

Bromobenzene

Concen: 58.648 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

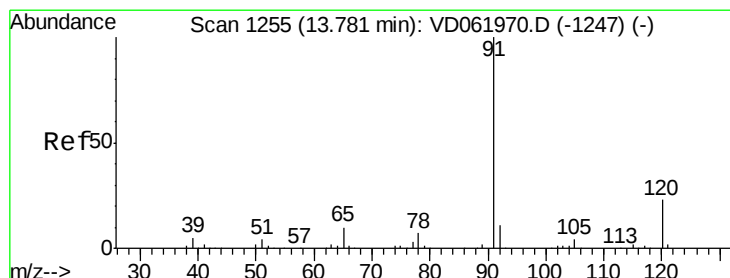
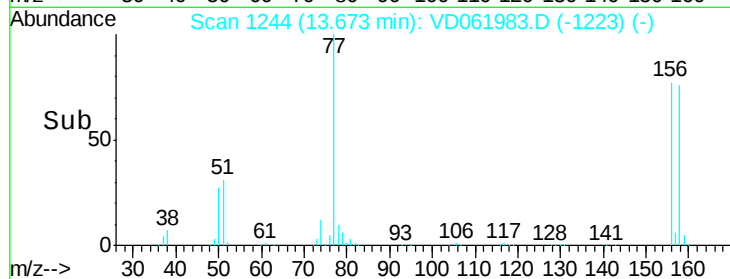
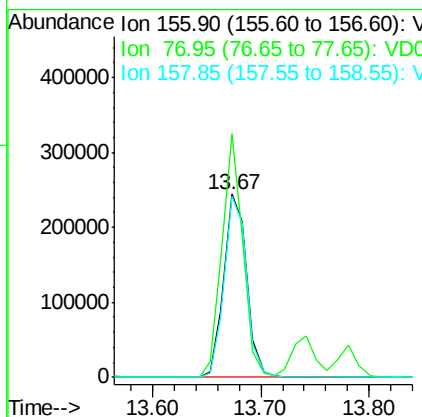
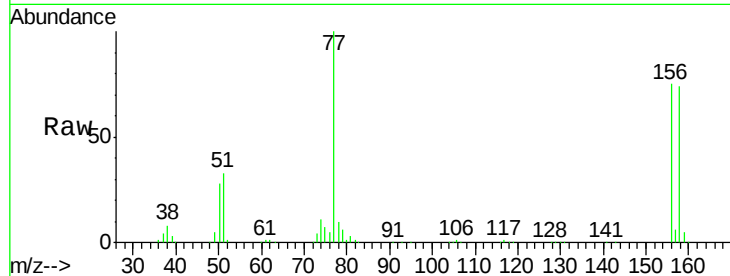
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	133.0	53.1	159.4	
158	98.7	49.4	148.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 58.470 ug/l

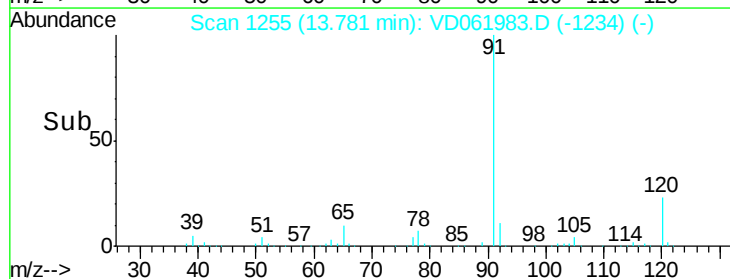
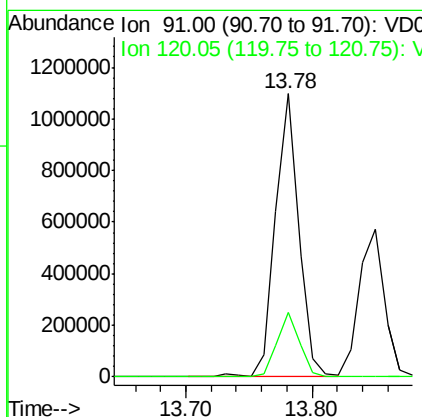
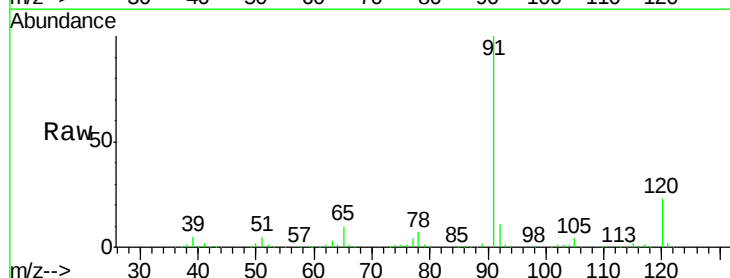
RT: 13.78 min Scan# 1255

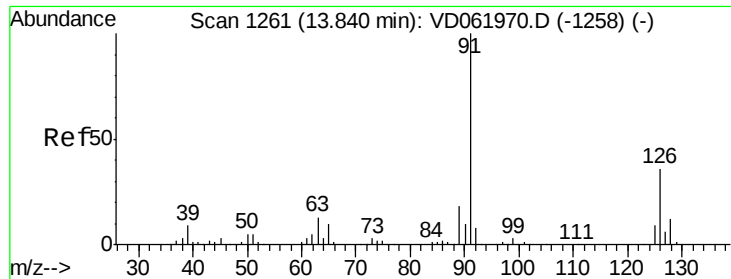
Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.1	33.1	





#79

2-Chlorotoluene

Concen: 54.272 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 800802

Ion Ratio Lower Upper

91 100

126 40.0

18.6

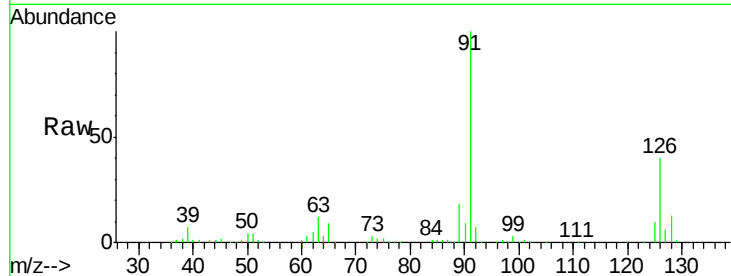
55.8

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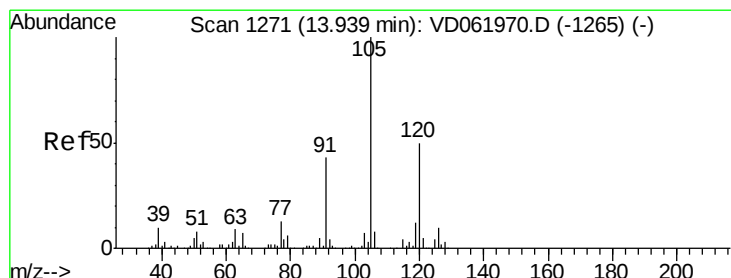
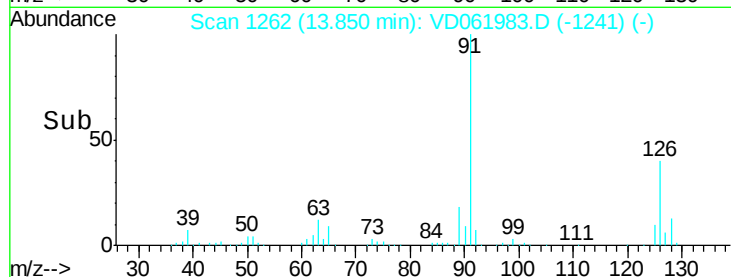
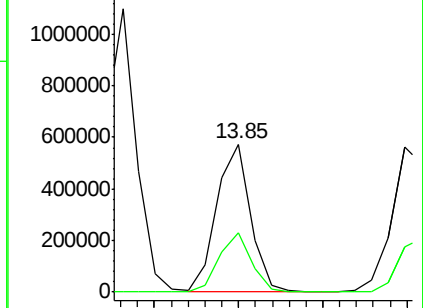
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Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.243 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Tgt Ion: 105 Resp: 937358

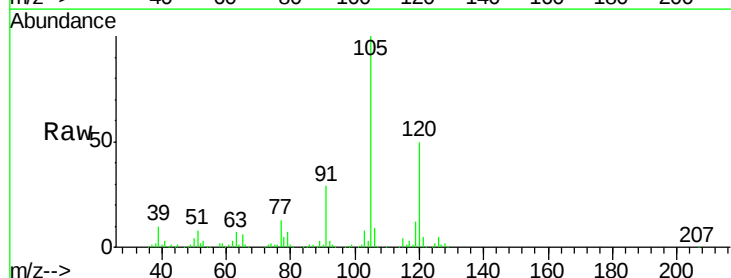
Ion Ratio Lower Upper

105 100

120 49.8

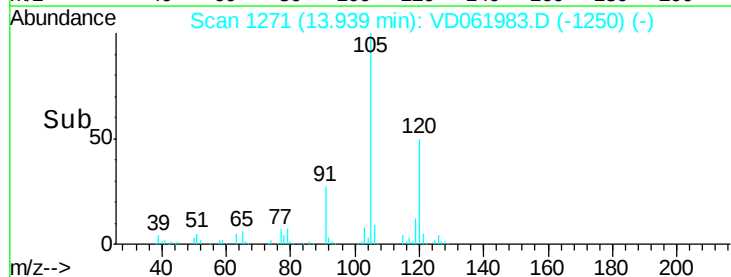
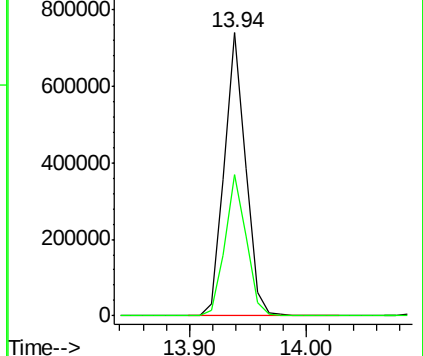
24.0

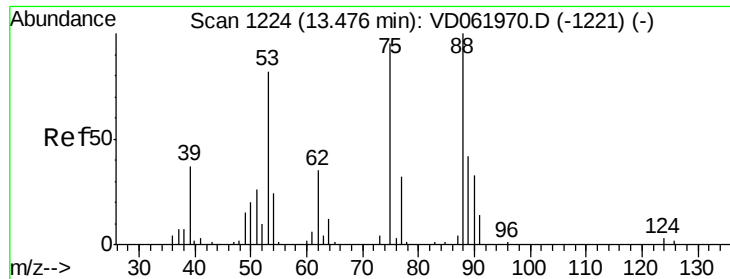
72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





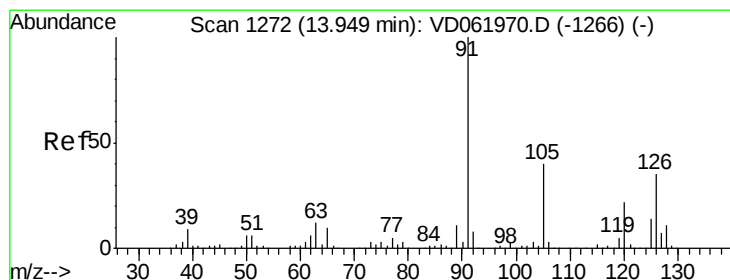
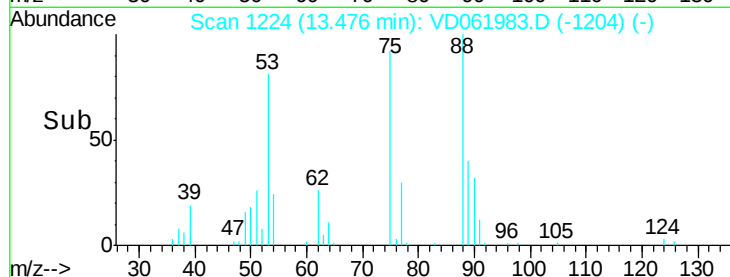
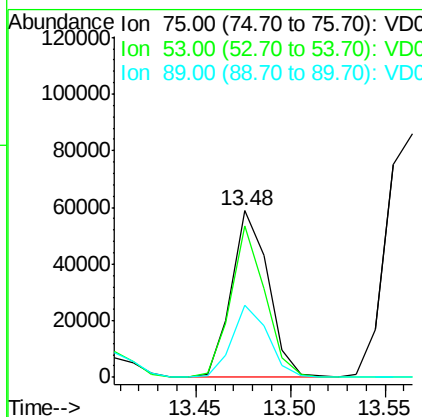
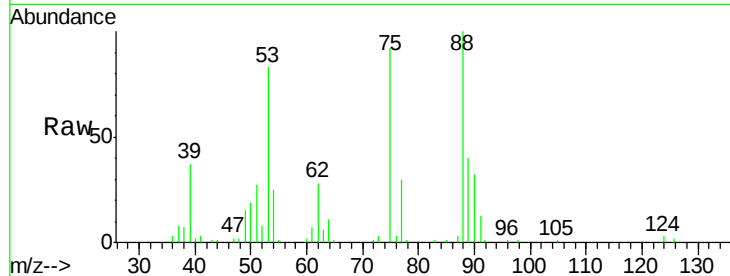
#81
trans-1,4-Dichloro-2-butene
Concen: 64.618 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
53	91.0	65.8	98.8	
89	43.5	35.0	52.6	

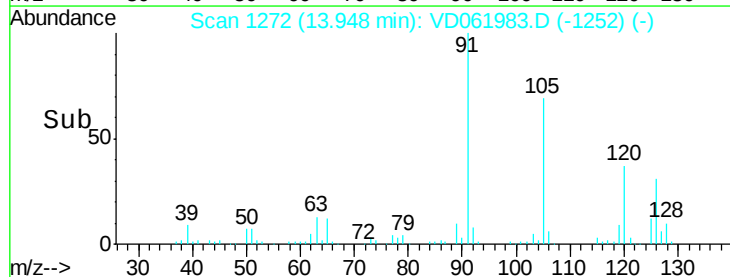
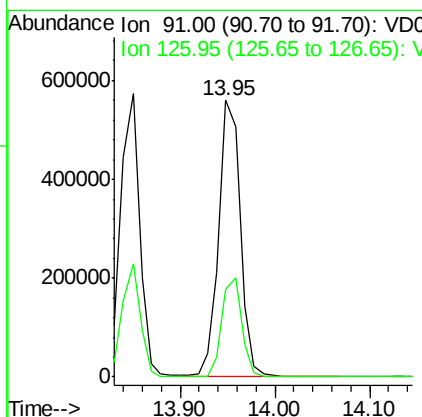
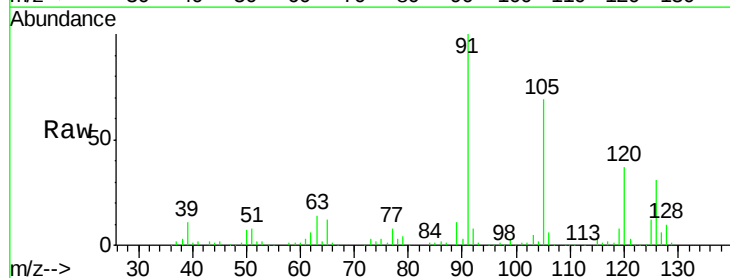
Manual Integrations
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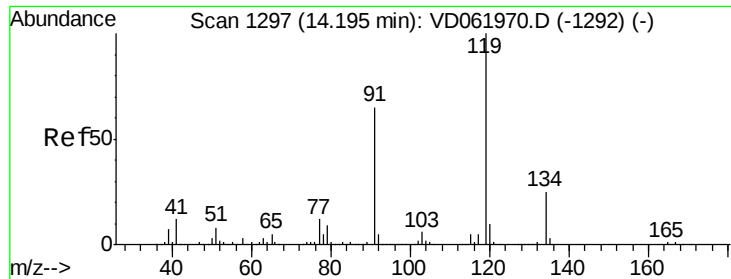
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#82
4-Chlorotoluene
Concen: 54.441 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
126	31.5	19.1	57.5	





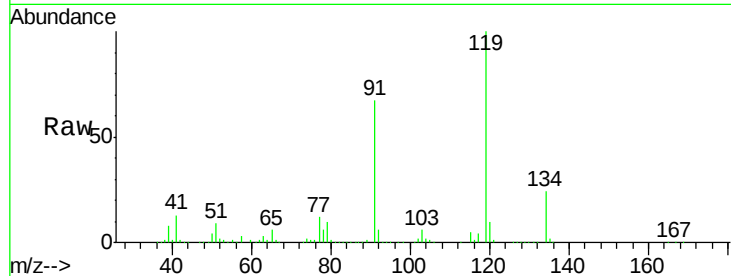
#83
tert-Butylbenzene
Concen: 53.280 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

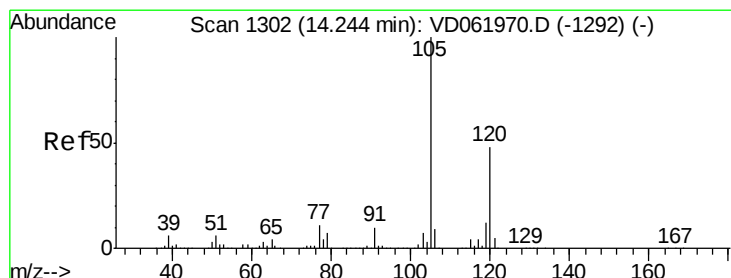
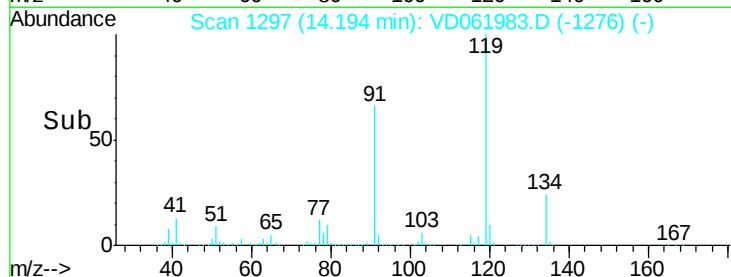
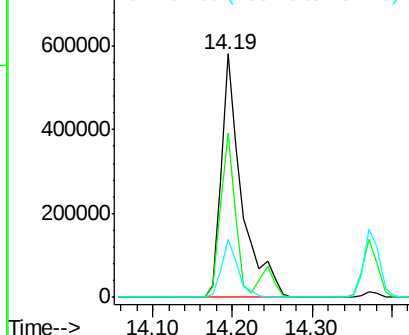
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.2	102.6
134	23.6	12.0	36.0

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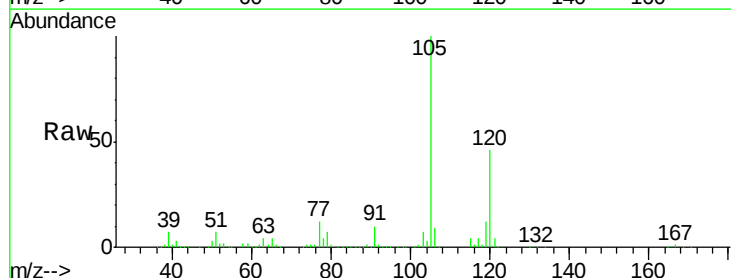


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

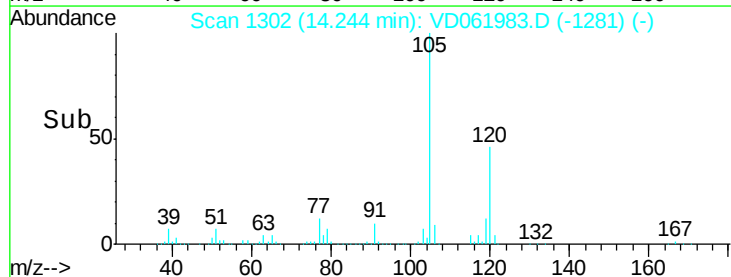
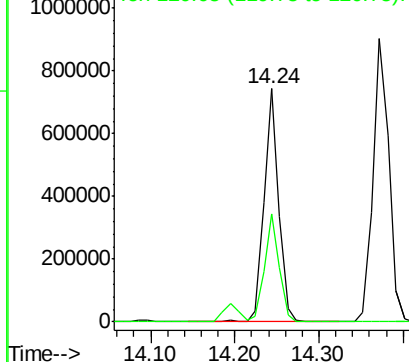


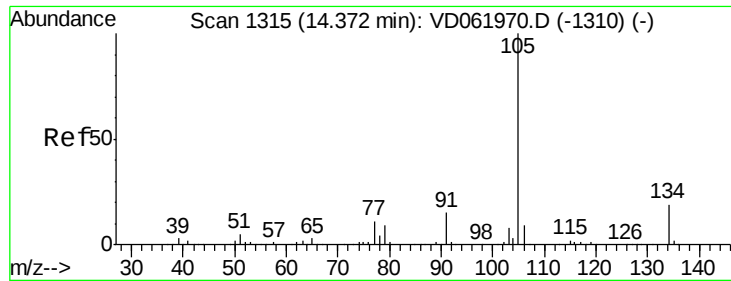
#84
1,2,4-Trimethylbenzene
Concen: 56.678 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2



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





#85

sec-Butylbenzene

Concen: 55.214 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1172659

Ion Ratio Lower Upper

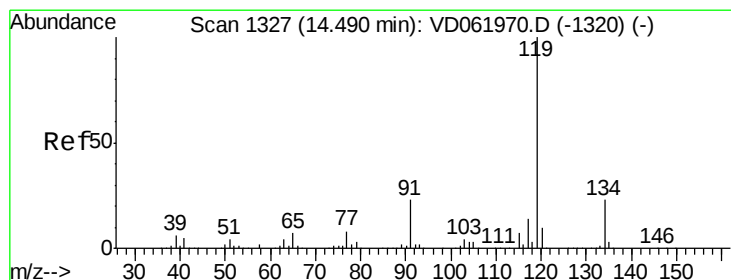
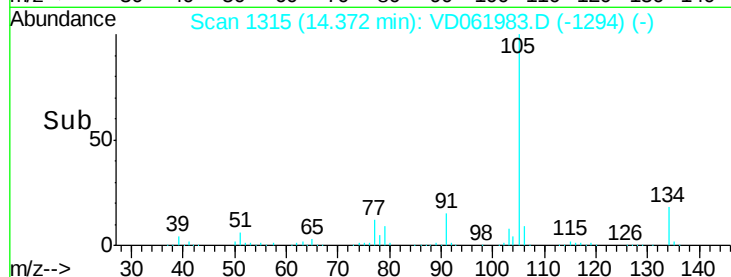
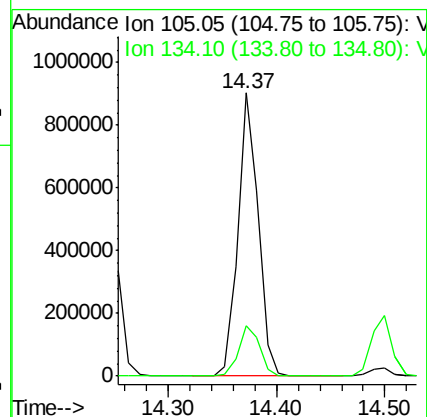
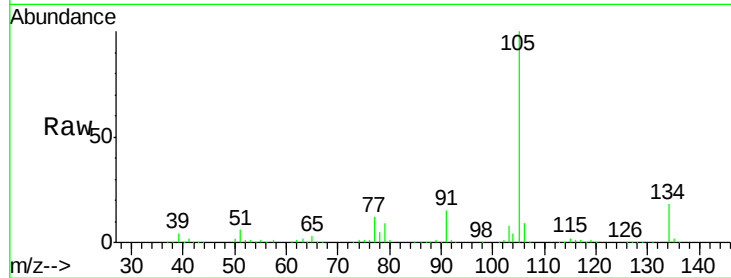
105 100

134 17.9 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 53.848 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061983.D

Acq: 23 Apr 2019 23:34

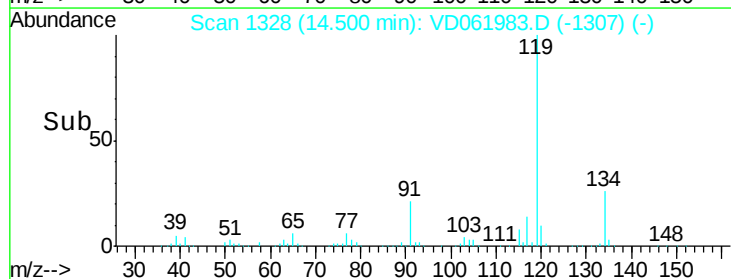
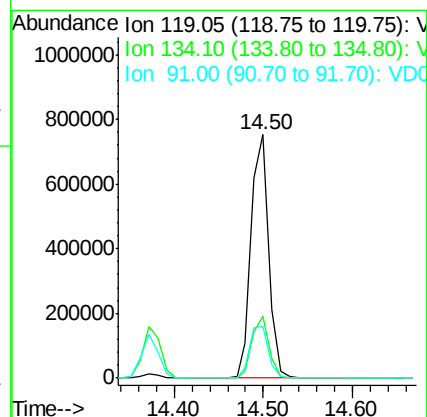
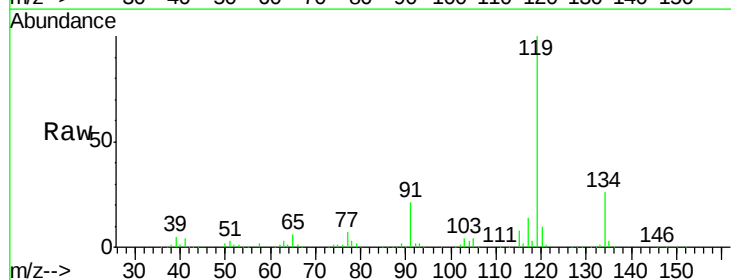
Tgt Ion:119 Resp: 1023540

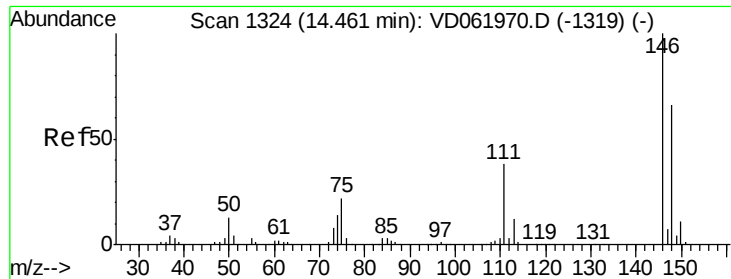
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 21.3 10.7 32.1





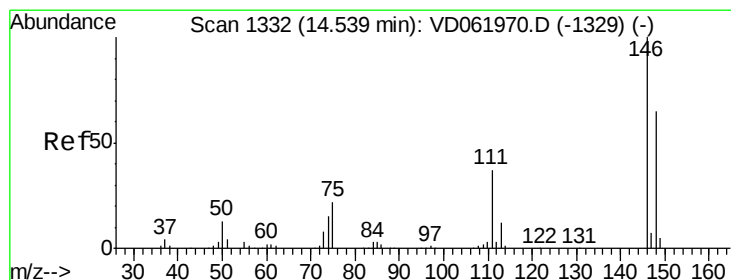
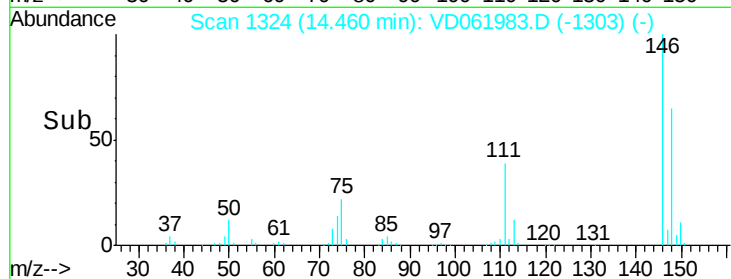
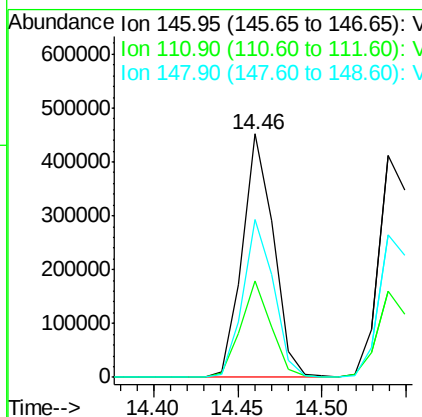
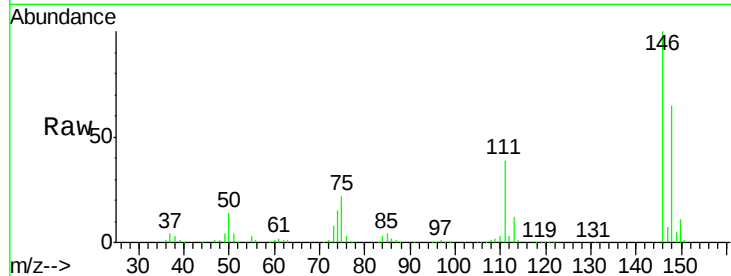
#87
 1,3-Dichlorobenzene
 Concen: 54.360 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	65.1	31.8	95.4

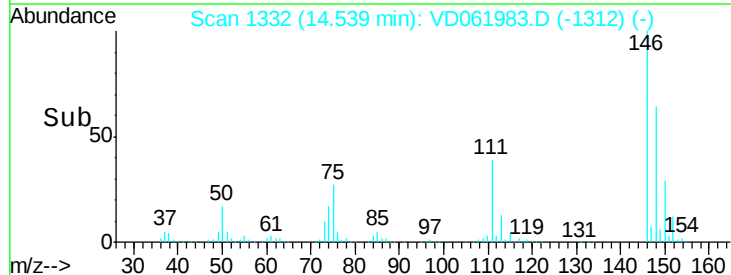
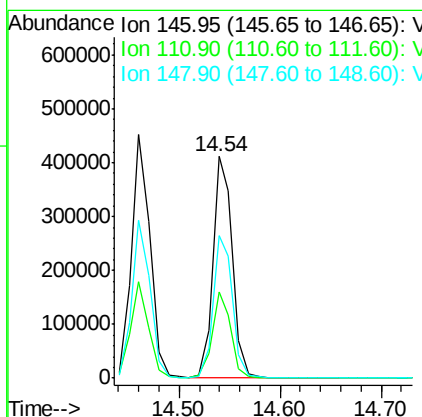
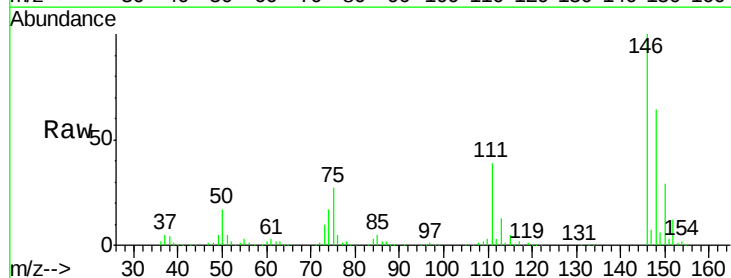
Manual Integrations
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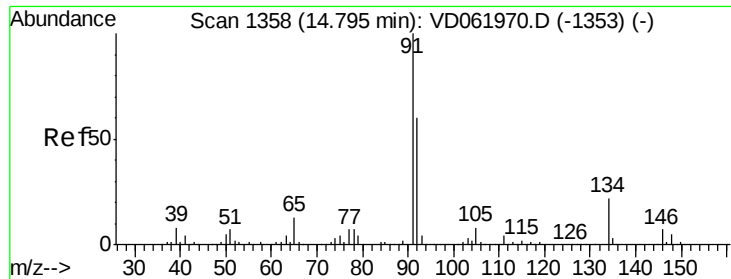
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#88
 1,4-Dichlorobenzene
 Concen: 55.344 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.2	60.5
148	64.0	32.0	96.2





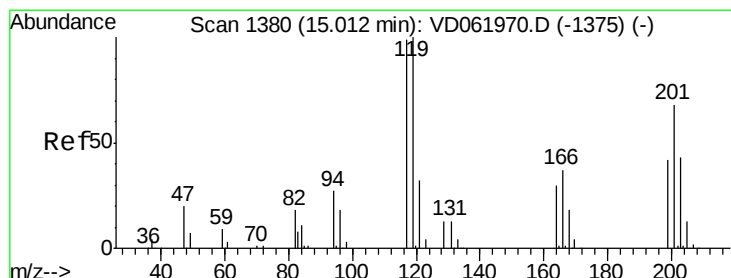
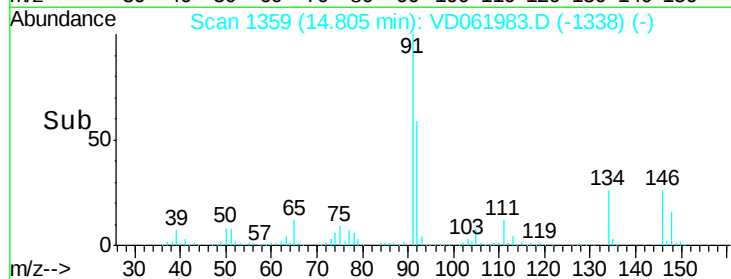
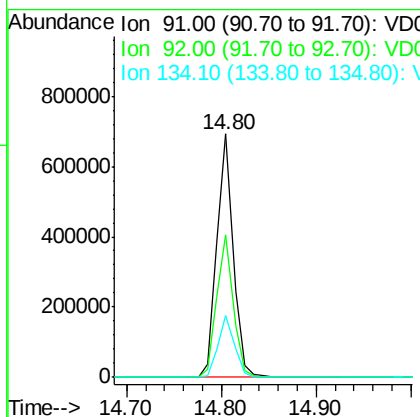
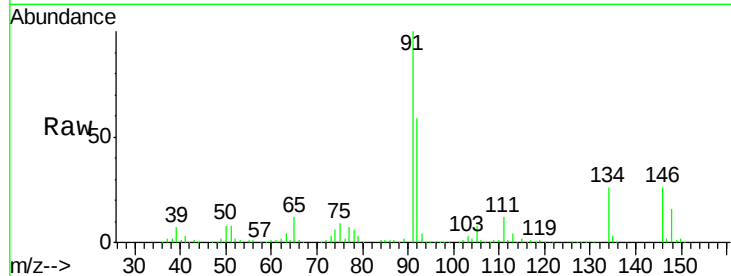
#89
n-Butylbenzene
Concen: 48.950 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.3	91.0
134	25.6	14.5	43.6

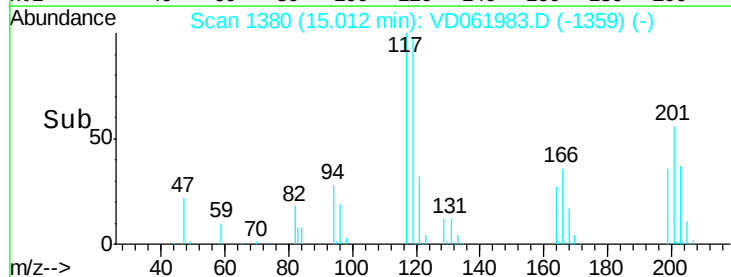
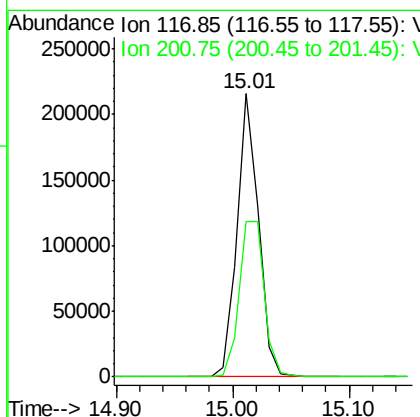
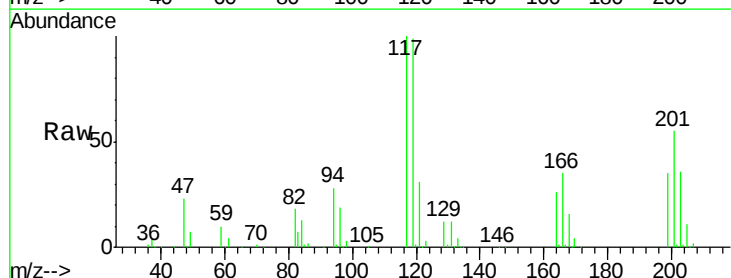
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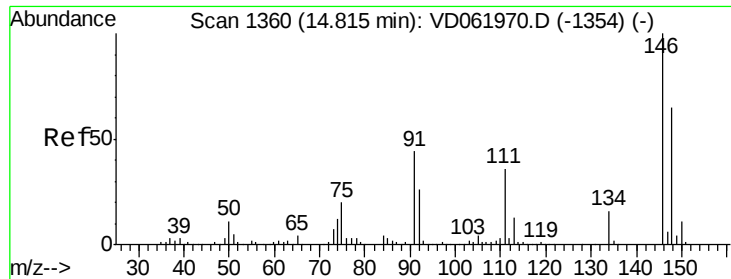
MMDadoda
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#90
Hexachloroethane
Concen: 53.402 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.8	30.2	90.6





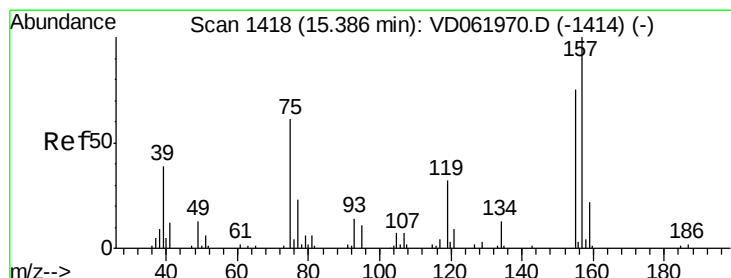
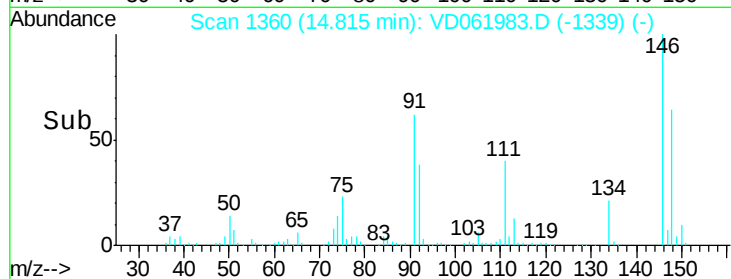
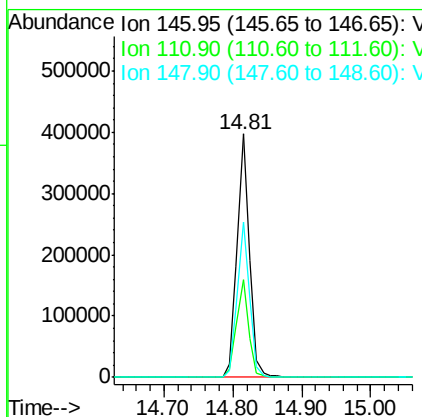
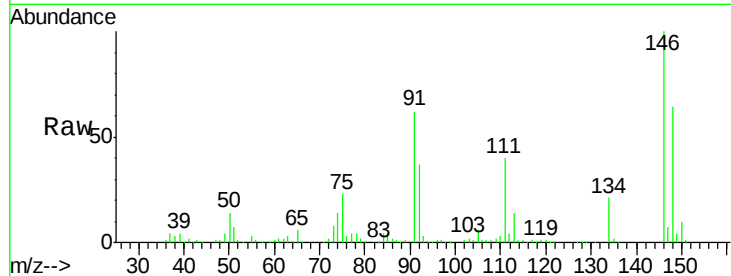
#91
 1,2-Dichlorobenzene
 Concen: 55.562 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.8	32.3	96.8

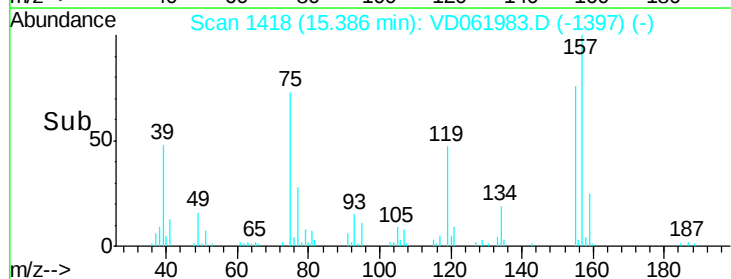
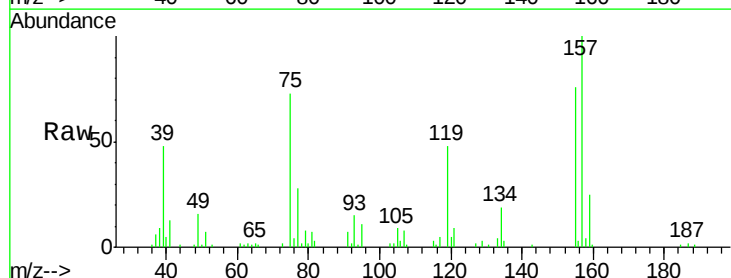
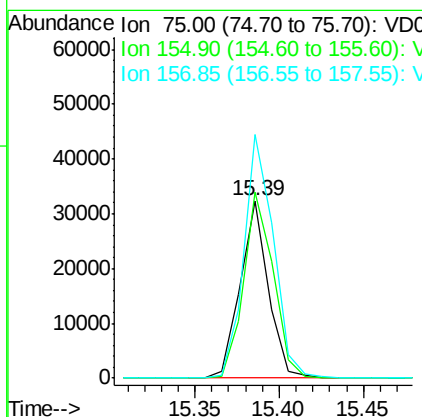
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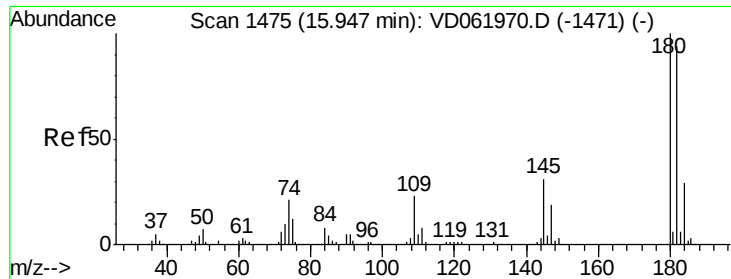
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.946 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	55.3	165.8
157	137.1	67.8	203.2





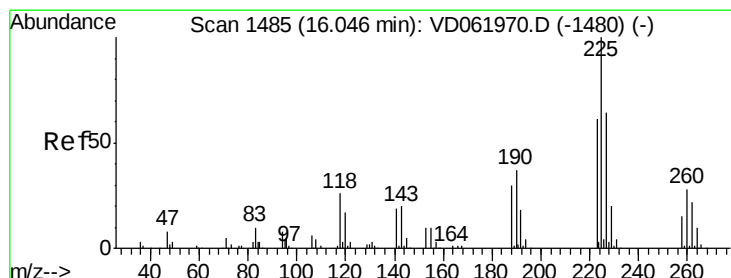
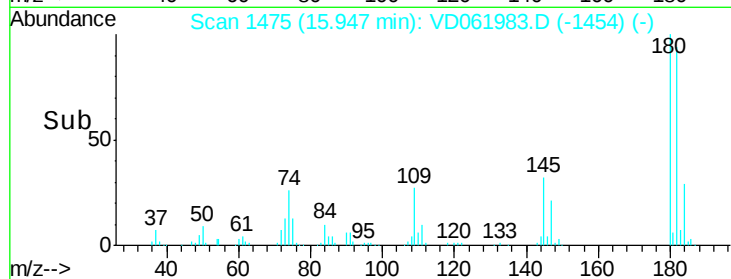
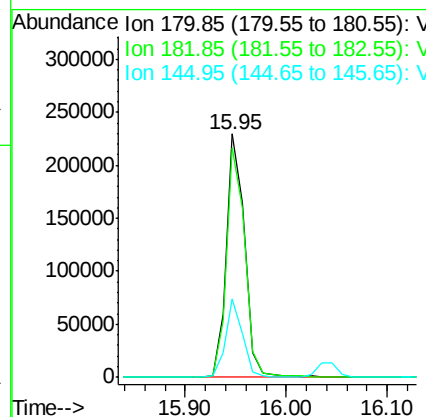
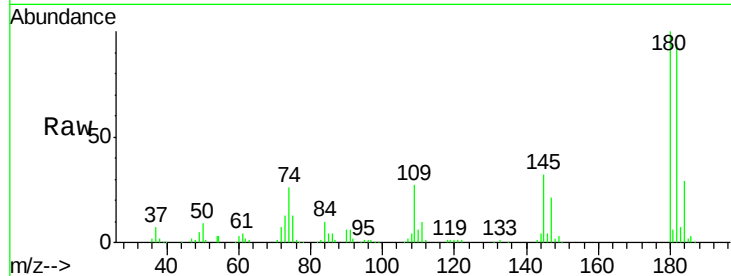
#93
 1,2,4-Trichlorobenzene
 Concen: 61.023 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290339		
182	94.4	49.3	147.8	
145	32.3	16.2	48.6	

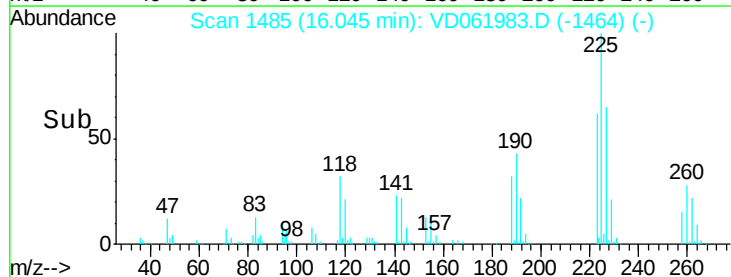
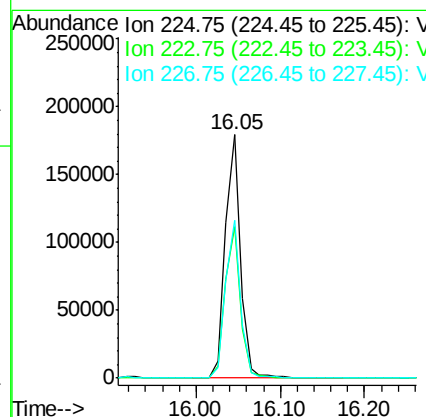
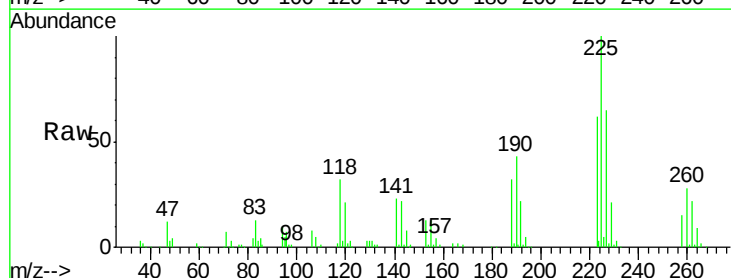
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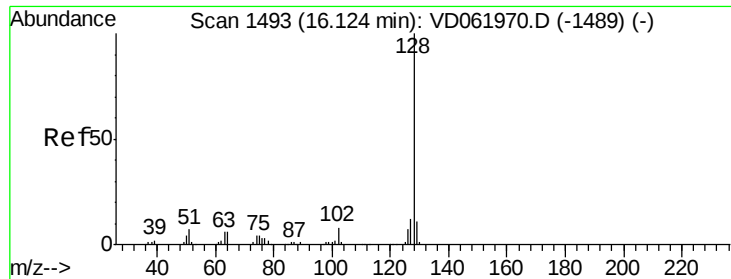
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#94
 Hexachlorobutadiene
 Concen: 63.972 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061983.D
 Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	225245		
223	62.1	30.6	92.0	
227	64.6	32.0	96.2	





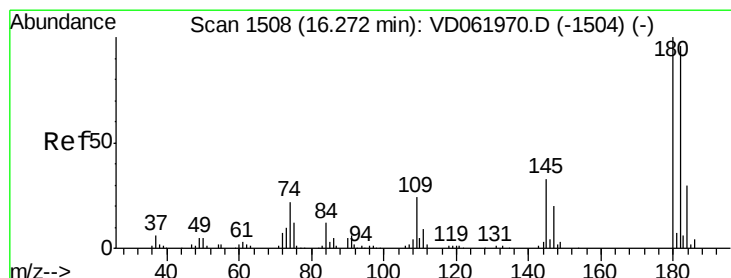
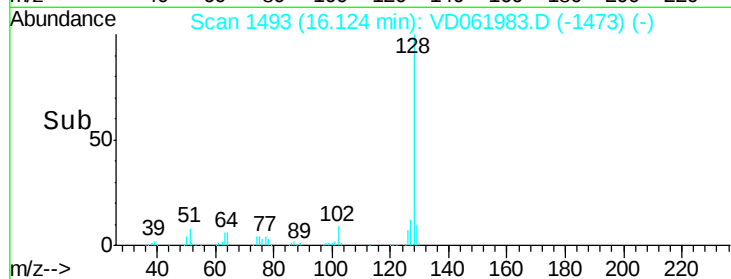
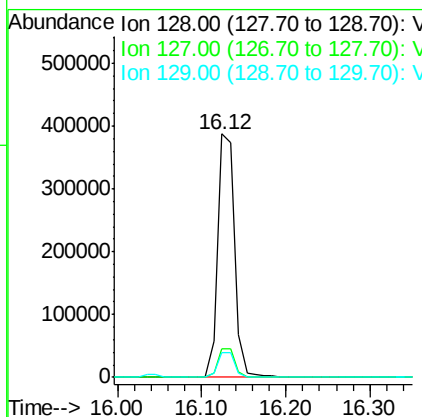
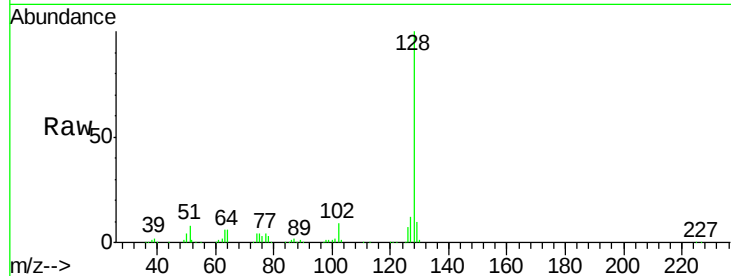
#95
Naphthalene
Concen: 70.410 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	540902		
127	12.0		9.8	14.8
129	10.3		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 75.368 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061983.D
Acq: 23 Apr 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203462		
182	92.5		47.0	141.0
145	33.4		17.0	51.0

