

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061904.D
 Acq On : 19 Apr 2019 12:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 12:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	641437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1059184	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	810155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	386945	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	246957	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	6.93	113	371481	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	10.41	98	842569	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	
62) 4-Bromofluorobenzene	13.56	95	361206	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.57	85	304819	48.688	ug/l	98
3) Chloromethane	1.75	50	237446	47.590	ug/l	100
4) Vinyl Chloride	1.85	62	227688	45.981	ug/l	99
5) Bromomethane	2.14	94	52562	47.227	ug/l	93
6) Chloroethane	2.26	64	90195	53.393	ug/l	99
7) Trichlorofluoromethane	2.53	101	341839	42.565	ug/l	97
8) Diethyl Ether	2.87	74	93082	44.226	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	356294	49.756	ug/l	97
10) Methyl Iodide	3.31	142	512147	45.166	ug/l	98
11) Tert butyl alcohol	4.06	59	85737	270.441	ug/l	99
12) 1,1-Dichloroethene	3.13	96	308173	51.191	ug/l	99
13) Acrolein	3.04	56	69770	227.331	ug/l	98
14) Allyl chloride	3.62	41	399185	48.648	ug/l	96
15) Acrylonitrile	4.20	53	254542	255.752	ug/l	98
16) Acetone	3.22	43	384202	289.976	ug/l	95
17) Carbon Disulfide	3.38	76	860481	44.238	ug/l	99
18) Methyl Acetate	3.64	43	122102	45.979	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	555535	49.449	ug/l	99
20) Methylene Chloride	3.82	84	320415	48.516	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	326848	49.403	ug/l	99
22) Diisopropyl ether	5.13	45	892078	50.859	ug/l	98
23) Vinyl Acetate	5.06	43	2427557	258.900	ug/l	98
24) 1,1-Dichloroethane	4.99	63	533073	50.126	ug/l	99
25) 2-Butanone	6.07	43	415247	275.288	ug/l	100
26) 2,2-Dichloropropane	6.02	77	480485	52.272	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	357894	49.902	ug/l	96
28) Bromochloromethane	6.45	49	197363	48.859	ug/l	97
29) Tetrahydrofuran	6.47	42	206353	280.841	ug/l	99
30) Chloroform	6.67	83	601244	50.688	ug/l	99
31) Cyclohexane	6.97	56	410508	50.424	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	523854	49.821	ug/l	96
36) 1,1-Dichloropropene	7.15	75	412829	47.697	ug/l	96
37) Ethyl Acetate	6.19	43	199606	53.884	ug/l	# 94
38) Carbon Tetrachloride	7.11	117	571862	52.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	423132	47.078	ug/l	98
40) Benzene	7.46	78	958924	46.148	ug/l	98
41) Methacrylonitrile	6.46	41	232336	53.064	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	356877	49.313	ug/l	97
43) Isopropyl Acetate	9.24	43	272148	52.206	ug/l #	97
44) Trichloroethene	8.55	130	390322	48.795	ug/l	98
45) 1,2-Dichloropropane	8.95	63	258437	47.748	ug/l	98
46) Dibromomethane	9.07	93	185466	48.090	ug/l	95
47) Bromodichloromethane	9.38	83	439499	49.397	ug/l	99
48) Methyl methacrylate	9.13	41	153165	49.985	ug/l	96
49) 1,4-Dioxane	9.09	88	33946	1013.543	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	837891	262.835	ug/l	99
52) Toluene	10.52	92	656657	49.314	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	365204	45.553	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	475992	50.580	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	213177	47.510	ug/l	96
56) Ethyl methacrylate	11.05	69	237839	48.296	ug/l	99
57) 1,3-Dichloropropane	11.42	76	331262	49.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	511731	218.466	ug/l	99
59) 2-Hexanone	11.53	43	588042	248.357	ug/l	99
60) Dibromochloromethane	11.69	129	366373	49.902	ug/l	98
61) 1,2-Dibromoethane	11.81	107	269091	48.773	ug/l	93
64) Tetrachloroethene	11.27	164	298579	49.142	ug/l	97
65) Chlorobenzene	12.41	112	820732	54.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	313092	49.518	ug/l	98
67) Ethyl Benzene	12.53	91	1174096	48.592	ug/l	97
68) m/p-Xylenes	12.68	106	860243	94.782	ug/l	100
69) o-Xylene	13.05	106	432354	50.682	ug/l	96
70) Styrene	13.08	104	708853	48.286	ug/l	99
71) Bromoform	13.24	173	208858	55.650	ug/l	99
73) Isopropylbenzene	13.41	105	1171025	46.664	ug/l	99
74) N-amyl acetate	13.27	43	329039	48.760	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	262139	52.847	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	263685	51.890	ug/l	99
77) Bromobenzene	13.67	156	365431	51.264	ug/l	79
78) n-propylbenzene	13.78	91	1541714	53.175	ug/l	99
79) 2-Chlorotoluene	13.85	91	763815	45.097	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	933282	46.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	74990	45.826	ug/l	92
82) 4-Chlorotoluene	13.96	91	906300	46.749	ug/l	99
83) tert-Butylbenzene	14.19	119	1077533	46.088	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1010565	50.490	ug/l	99
85) sec-Butylbenzene	14.37	105	1215974	50.310	ug/l	98
86) p-Isopropyltoluene	14.50	119	1186499	52.467	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	693336	55.714	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	610157	49.600	ug/l	95
89) n-Butylbenzene	14.80	91	1038843	51.897	ug/l	96
90) Hexachloroethane	15.01	117	320880	52.060	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	534186	51.245	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35613	50.866	ug/l	93

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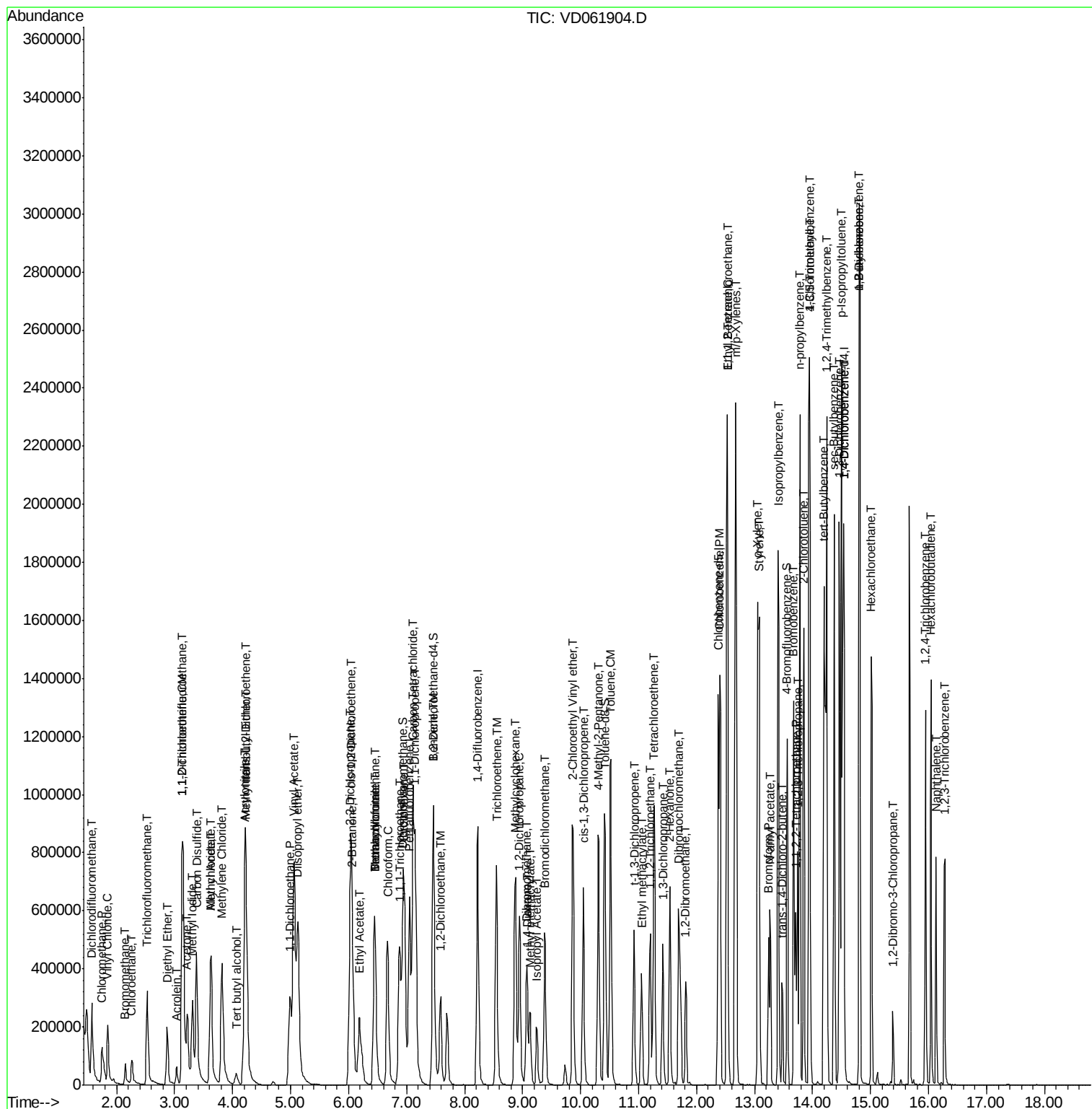
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

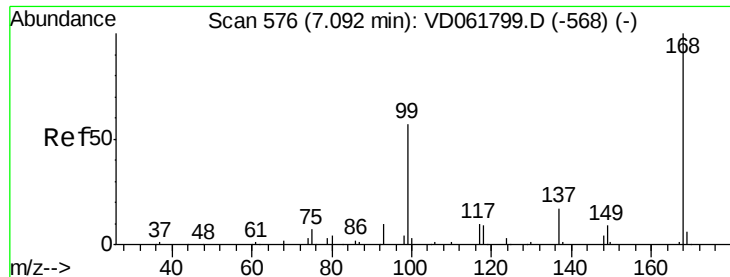
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	333048	58.172	ug/l	96
94) Hexachlorobutadiene	16.04	225	230623	55.585	ug/l	98
95) Naphthalene	16.13	128	552902	63.006	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	229232	70.260	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

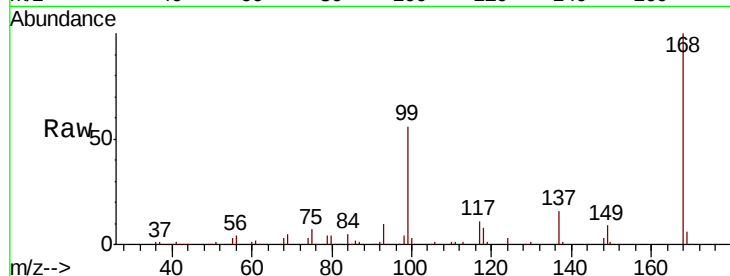
VSTDCCC050

Tgt Ion:168 Resp: 641437

Ion Ratio Lower Upper

168 100

99 56.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

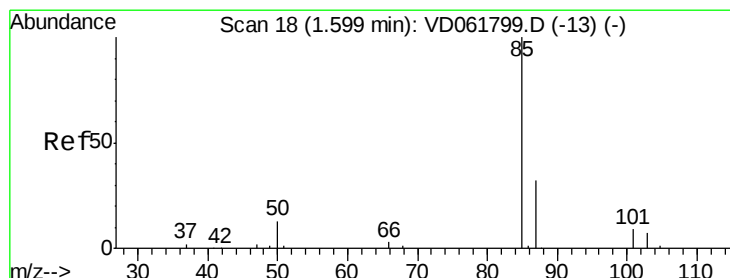
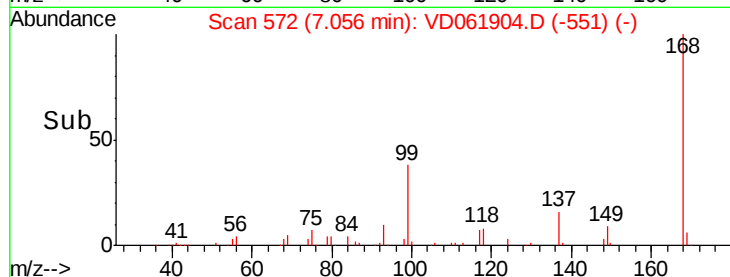
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.688 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061904.D

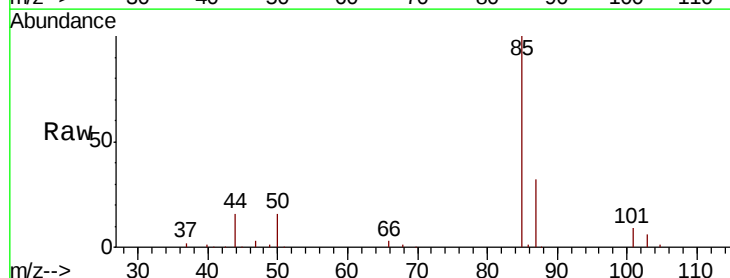
Acq: 19 Apr 2019 12:01

Tgt Ion: 85 Resp: 304819

Ion Ratio Lower Upper

85 100

87 31.5 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

150000

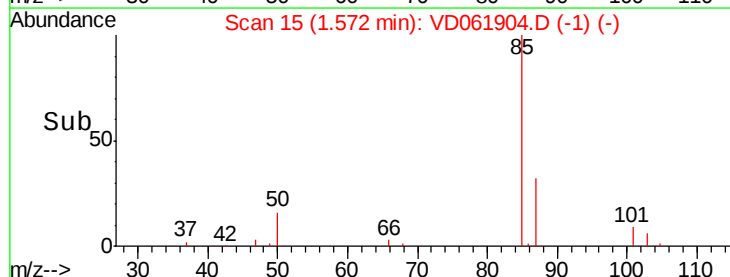
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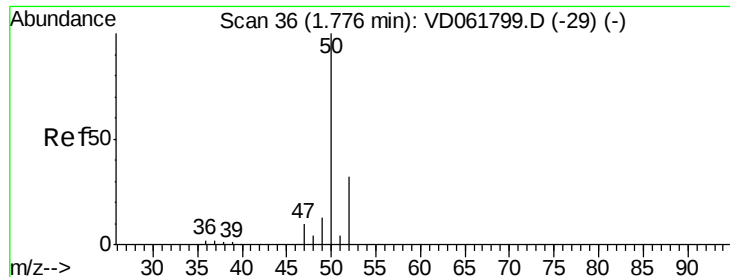
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.590 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

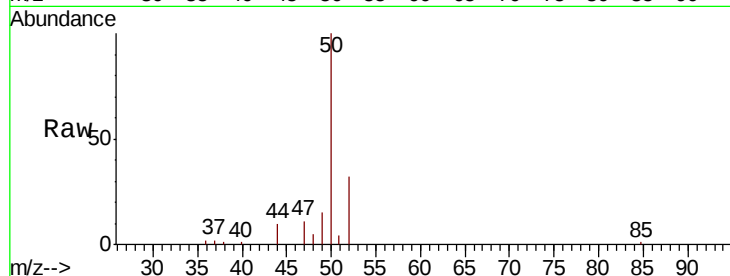
VSTDCCC050

Tgt Ion: 50 Resp: 237446

Ion Ratio Lower Upper

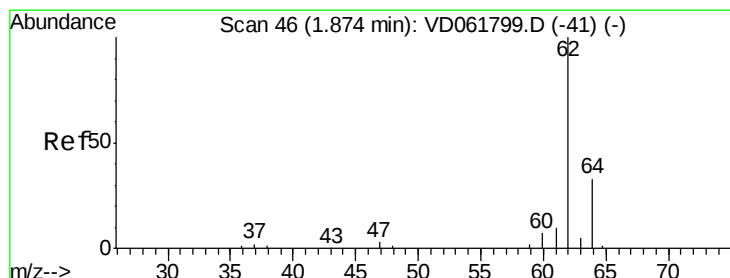
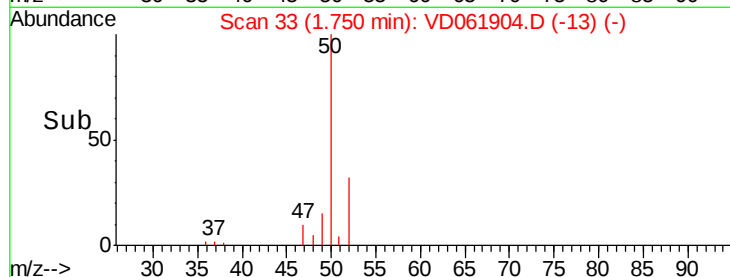
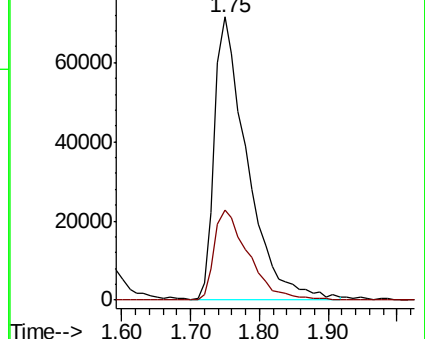
50 100

52 31.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.981 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061904.D

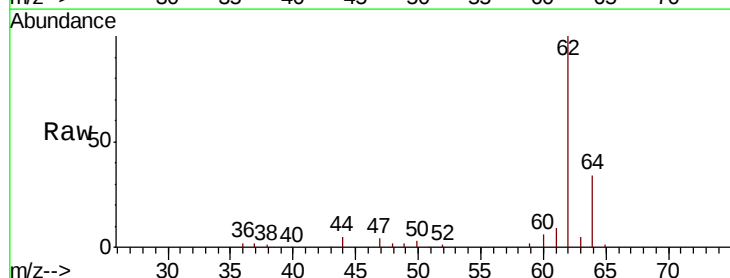
Acq: 19 Apr 2019 12:01

Tgt Ion: 62 Resp: 227688

Ion Ratio Lower Upper

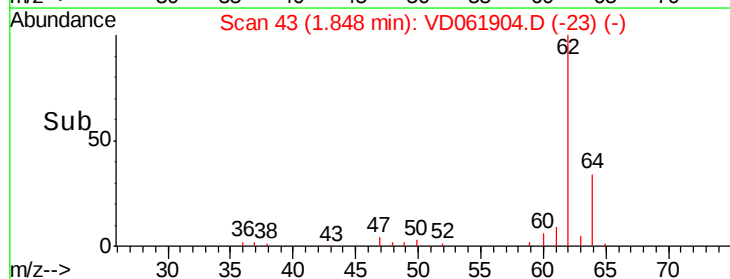
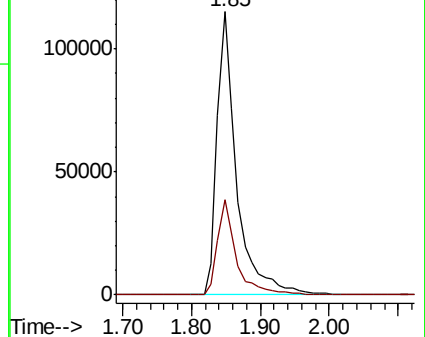
62 100

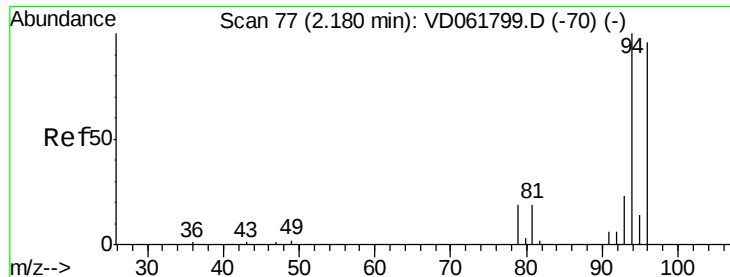
64 33.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

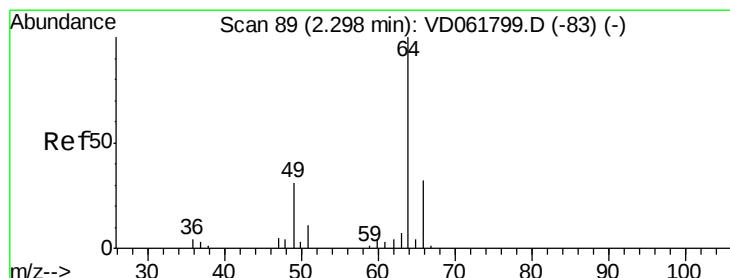
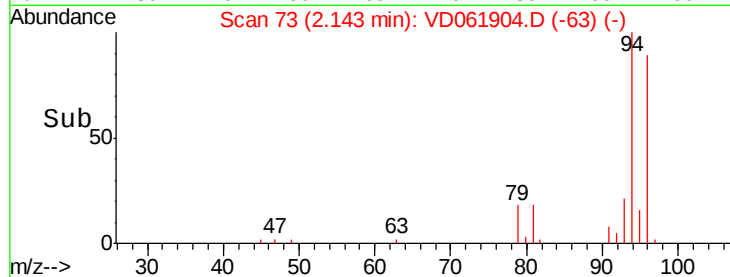
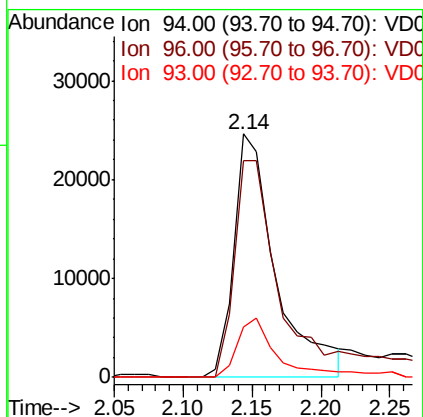
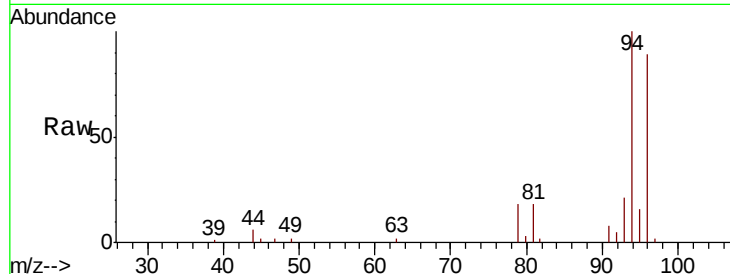




#5
Bromomethane
Concen: 47.227 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

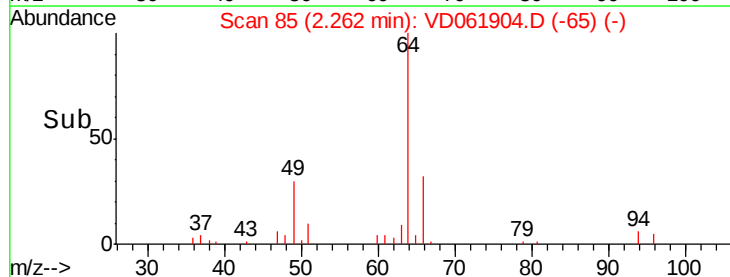
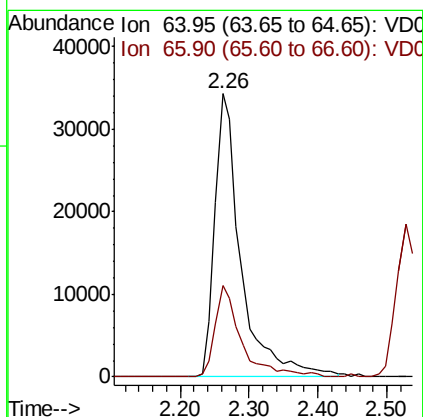
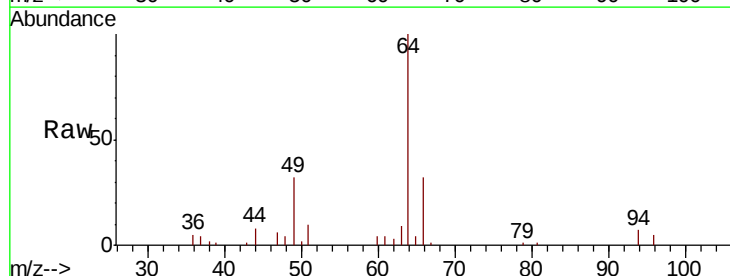
Instrument :
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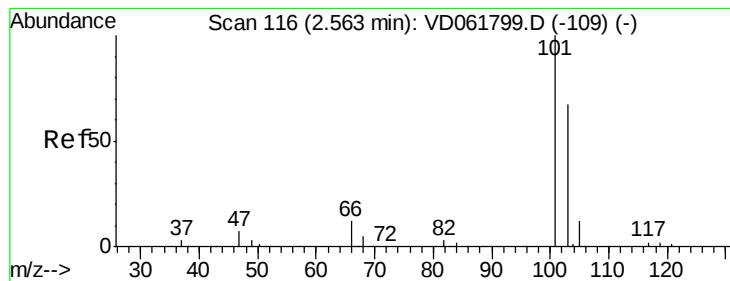
Tgt Ion: 94 Resp: 52562
Ion Ratio Lower Upper
94 100
96 88.8 76.6 115.0
93 20.8 18.5 27.7



#6
Chloroethane
Concen: 53.393 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 64 Resp: 90195
Ion Ratio Lower Upper
64 100
66 32.3 25.6 38.4



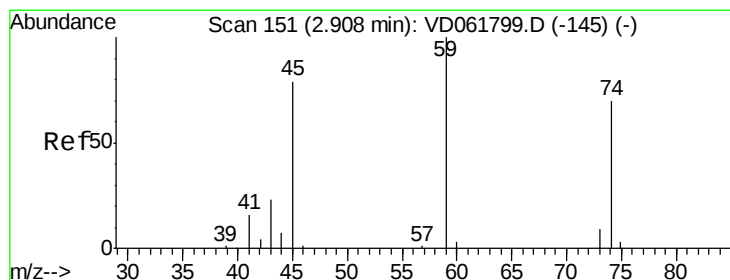
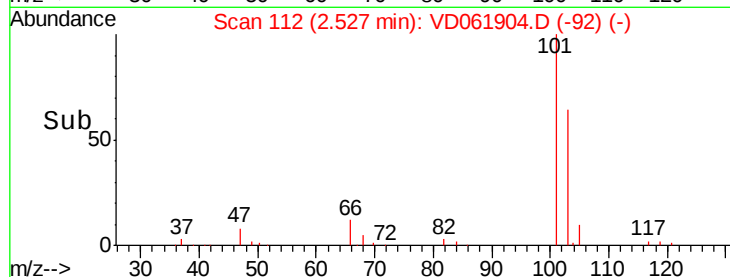
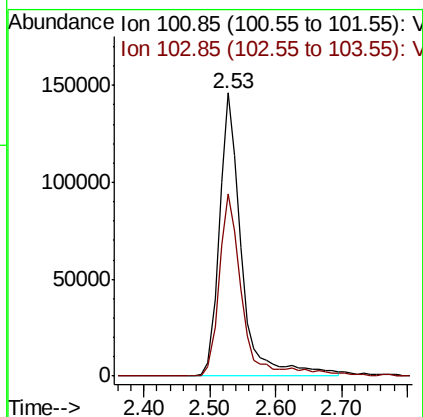
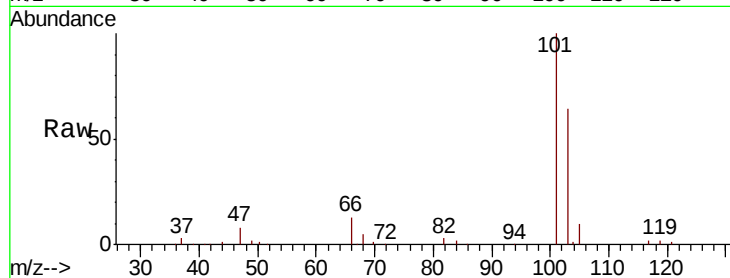


#7

Trichlorofluoromethane
Concen: 42.565 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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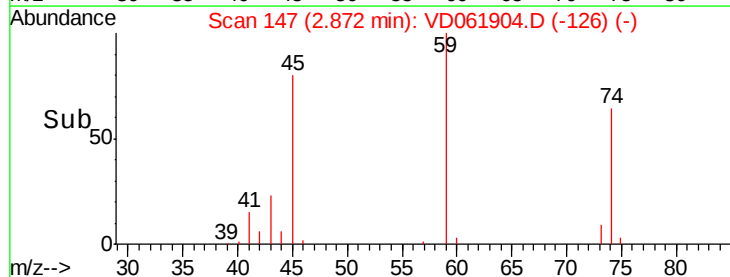
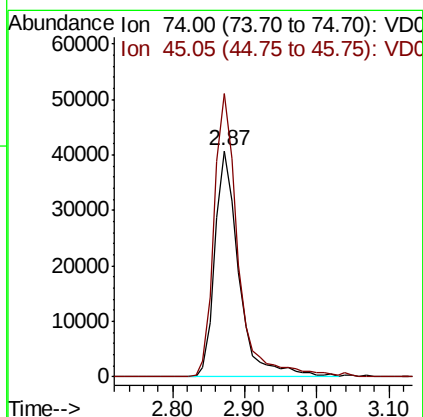
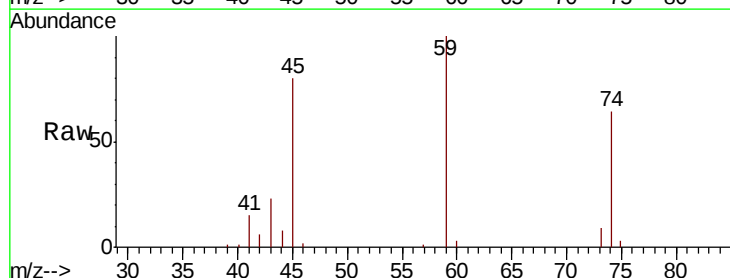
Tgt Ion: 101 Resp: 341839
Ion Ratio Lower Upper
101 100
103 64.3 53.6 80.4

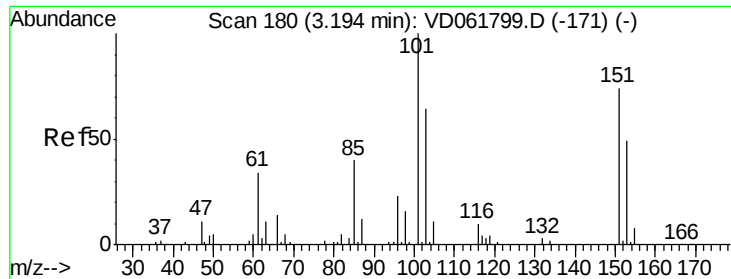


#8

Diethyl Ether
Concen: 44.226 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 74 Resp: 93082
Ion Ratio Lower Upper
74 100
45 125.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.756 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

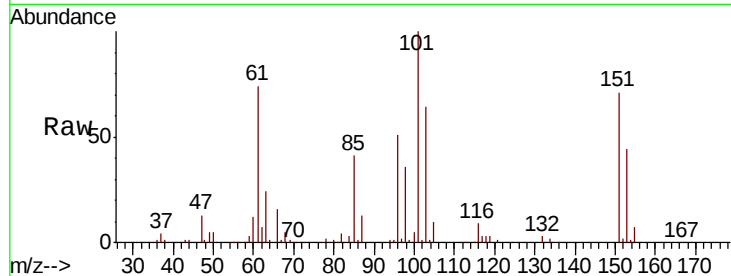
Tgt Ion:101 Resp: 356294

Ion Ratio Lower Upper

101 100

85 41.4 32.4 48.6

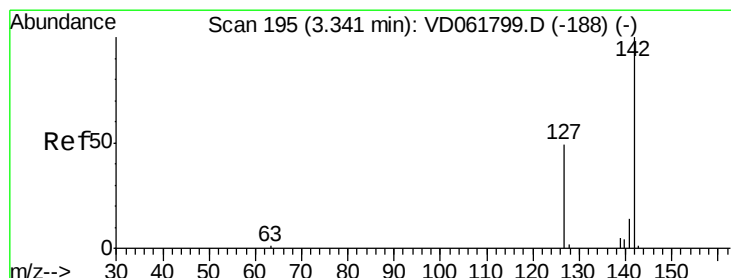
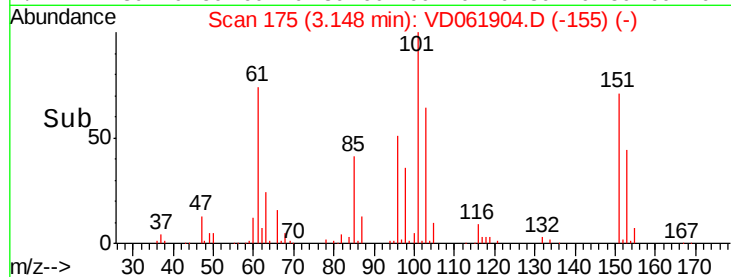
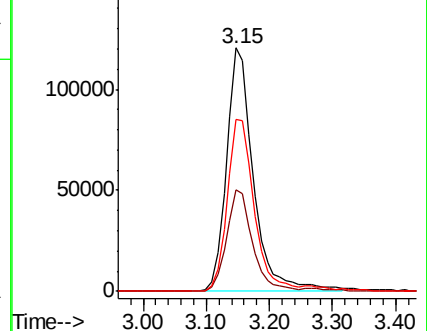
151 70.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.166 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

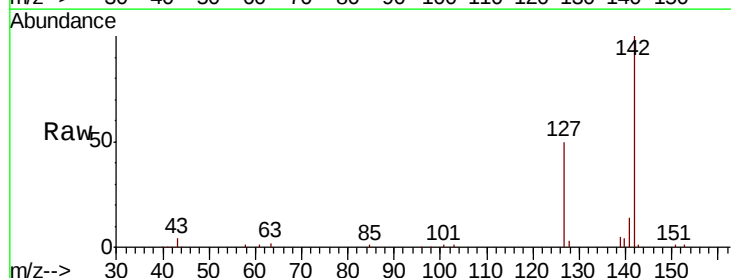
Tgt Ion:142 Resp: 512147

Ion Ratio Lower Upper

142 100

127 50.0 38.8 58.2

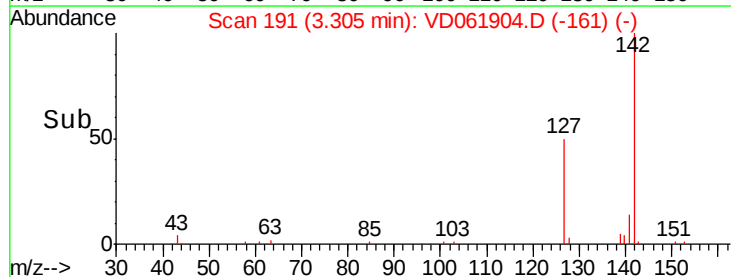
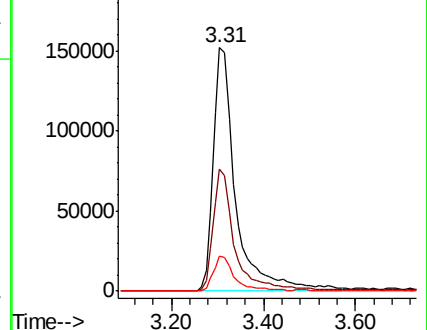
141 14.2 11.4 17.0

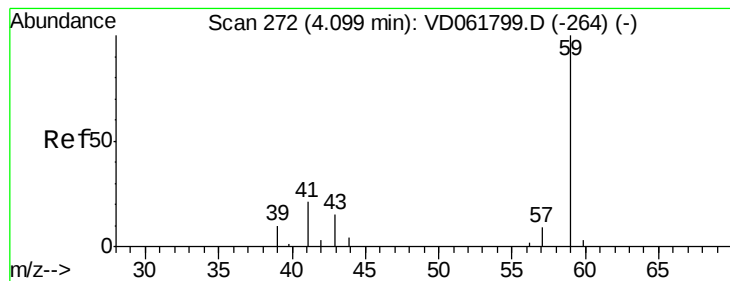


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



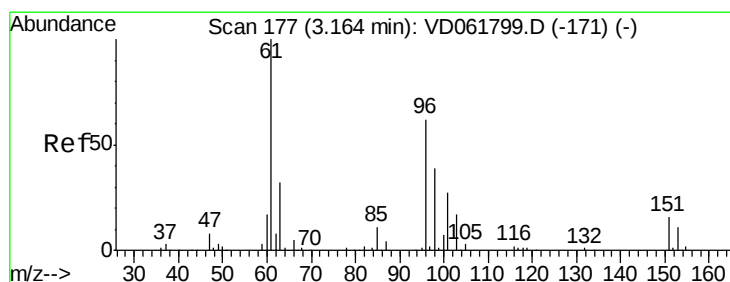
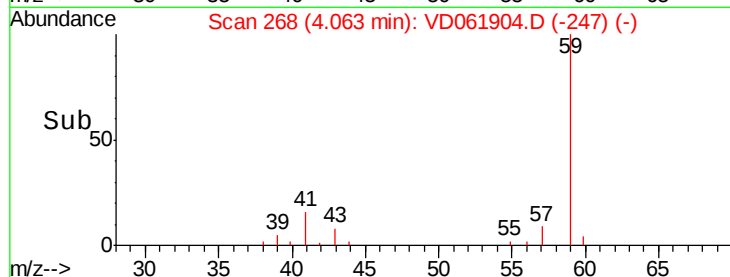
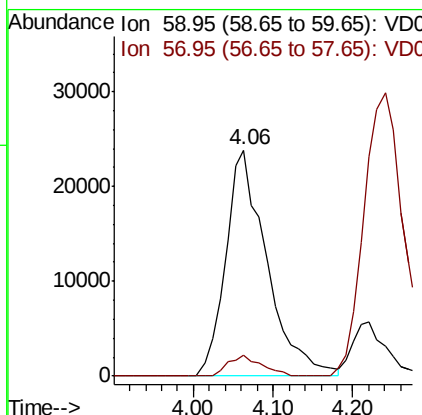
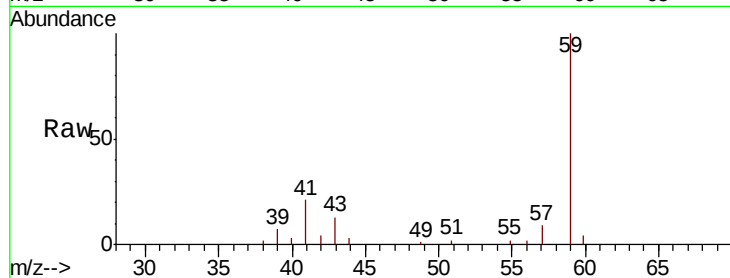


#11

Tert butyl alcohol
 Concen: 270.441 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

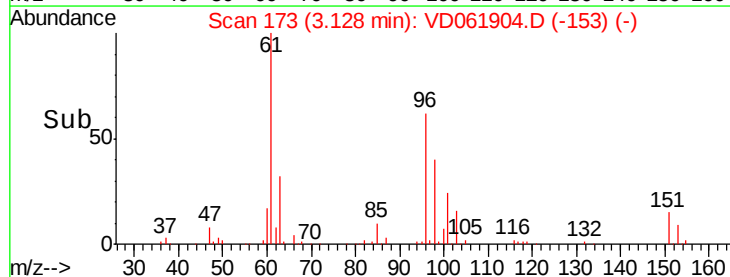
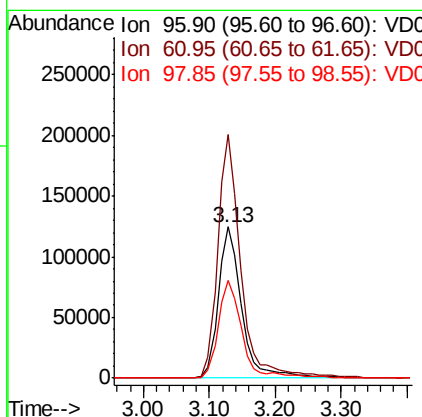
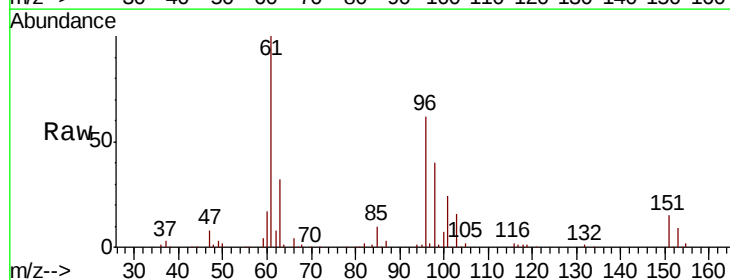
Tgt Ion: 59 Resp: 85737
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.9 10.3

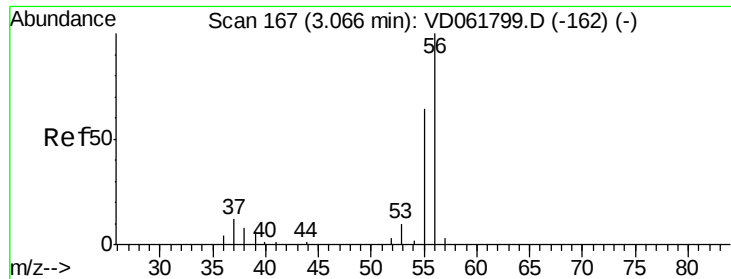


#12

1,1-Dichloroethene
 Concen: 51.191 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 96 Resp: 308173
 Ion Ratio Lower Upper
 96 100
 61 161.2 129.8 194.8
 98 64.9 51.2 76.8

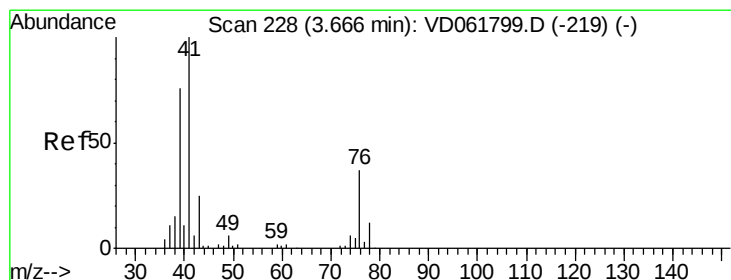
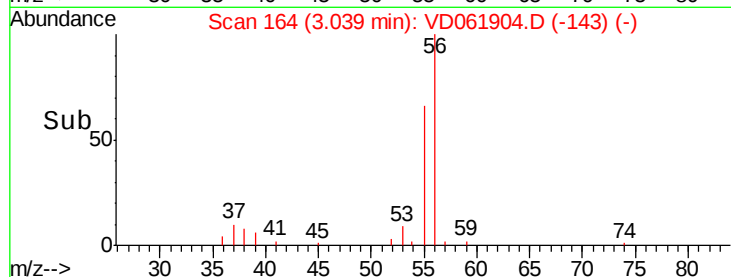
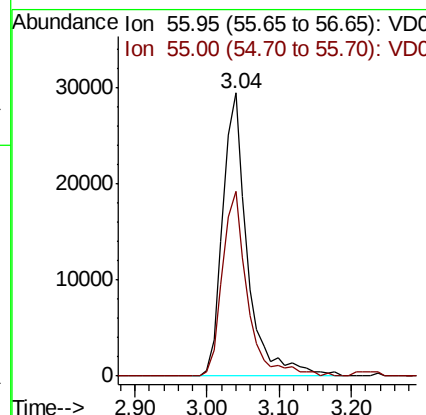
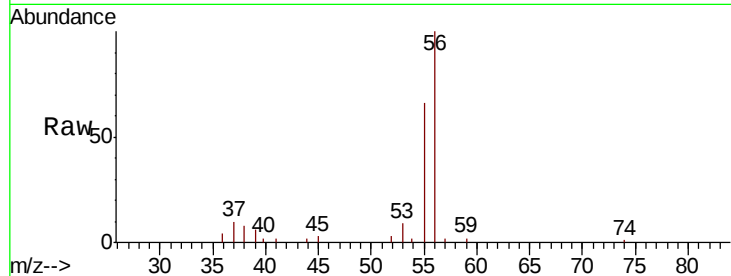




#13
Acrolein
Concen: 227.331 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

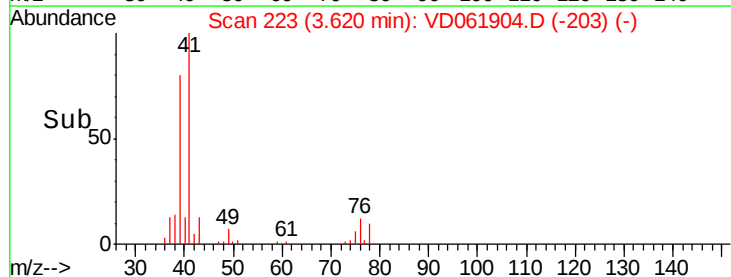
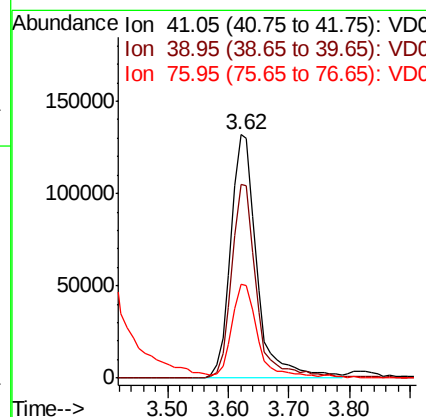
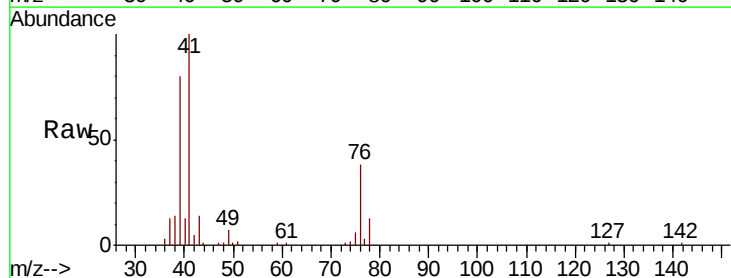
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

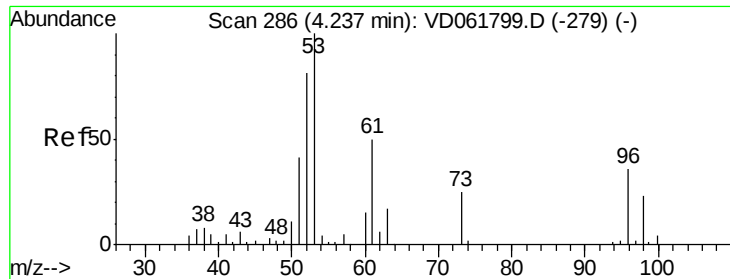
Tgt Ion: 56 Resp: 69770
Ion Ratio Lower Upper
56 100
55 65.5 51.4 77.2



#14
Allyl chloride
Concen: 48.648 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 41 Resp: 399185
Ion Ratio Lower Upper
41 100
39 79.6 60.5 90.7
76 38.5 31.8 47.8

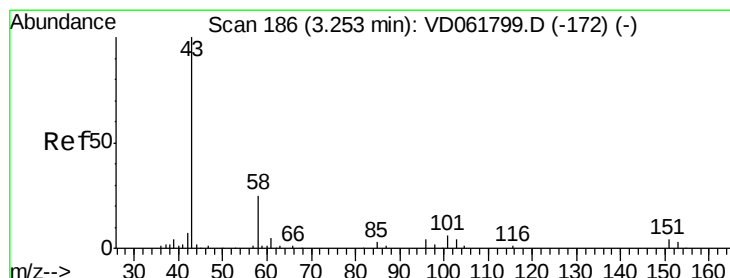
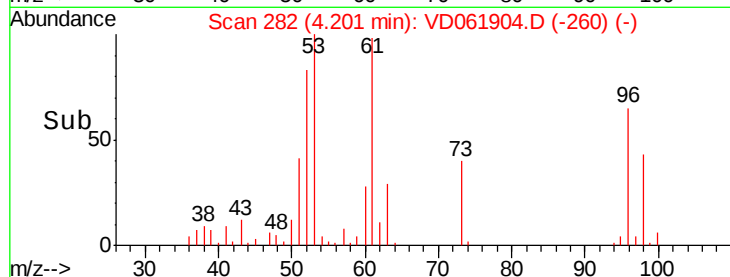
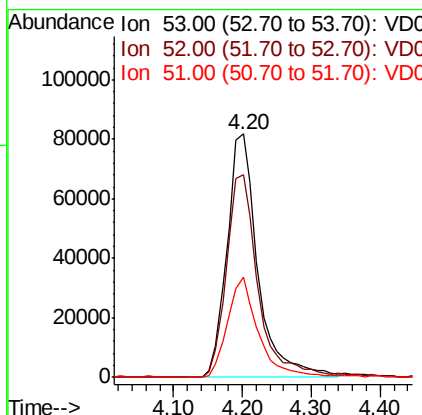
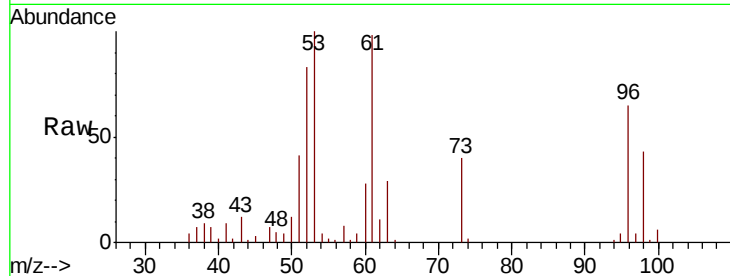




#15
 Acrylonitrile
 Concen: 255.752 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

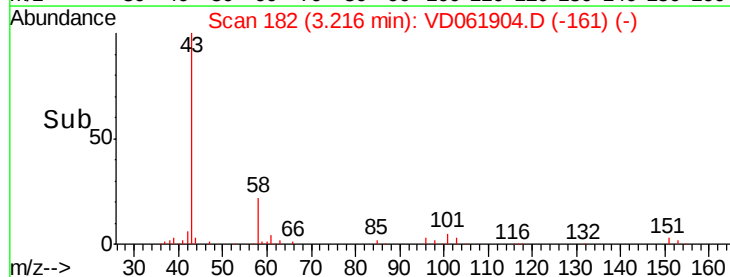
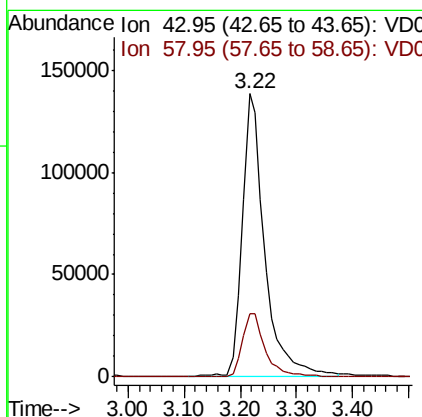
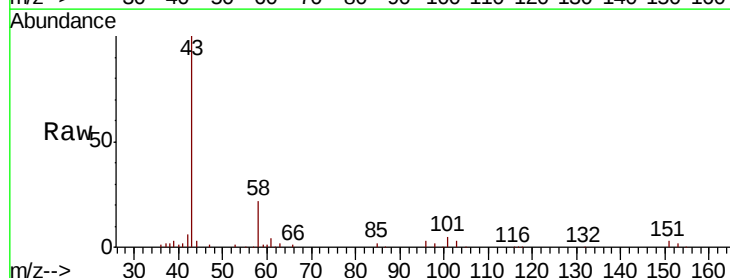
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

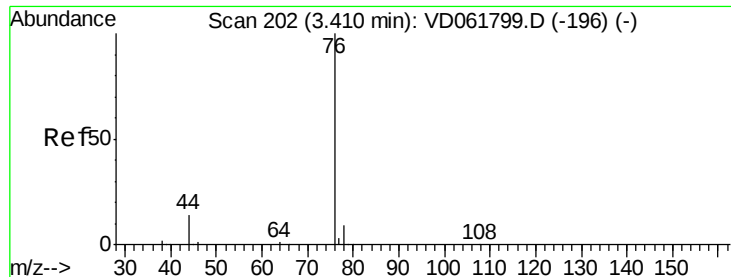
Tgt Ion: 53 Resp: 254542
 Ion Ratio Lower Upper
 53 100
 52 83.5 65.0 97.4
 51 41.4 32.6 48.8



#16
 Acetone
 Concen: 289.976 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 43 Resp: 384202
 Ion Ratio Lower Upper
 43 100
 58 22.5 19.9 29.9

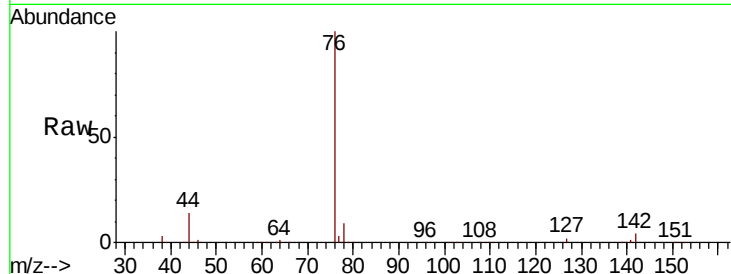




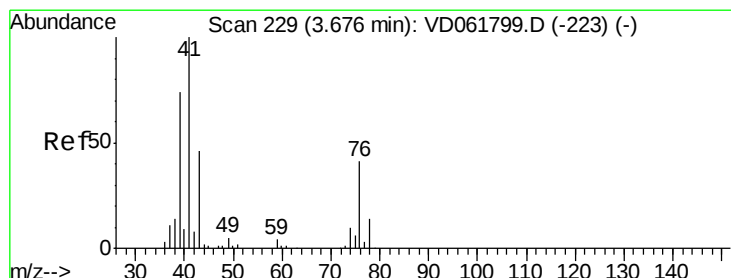
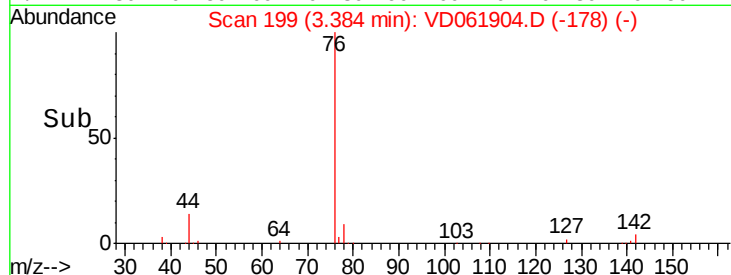
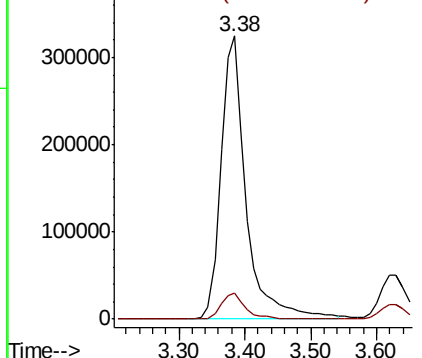
#17
Carbon Disulfide
Concen: 44.238 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 860481
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

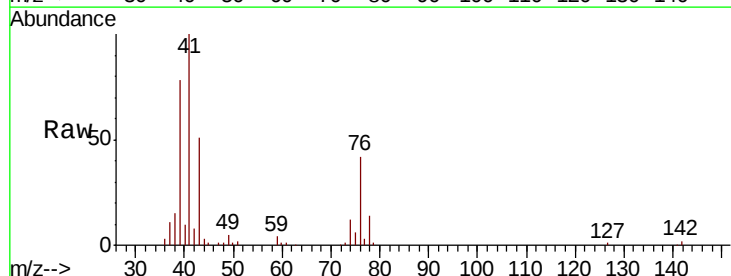


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

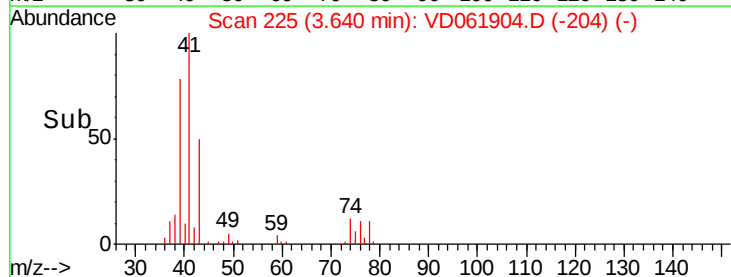
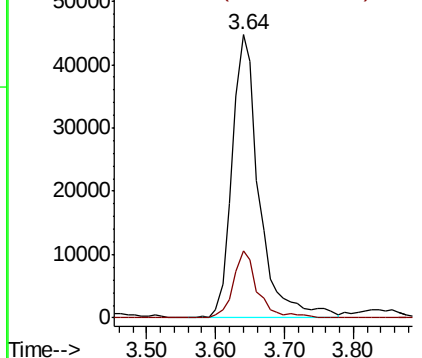


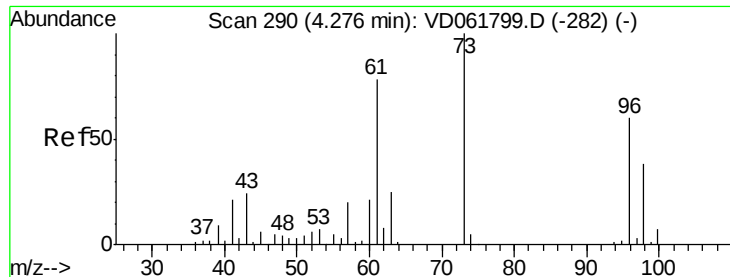
#18
Methyl Acetate
Concen: 45.979 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 43 Resp: 122102
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

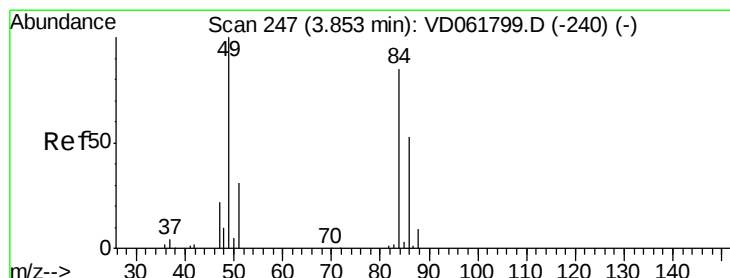
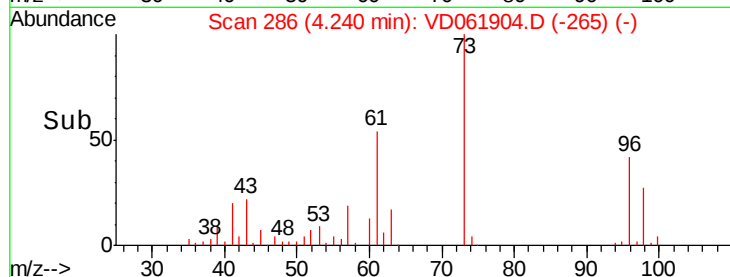
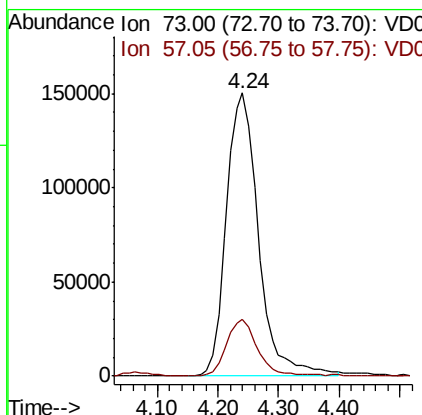
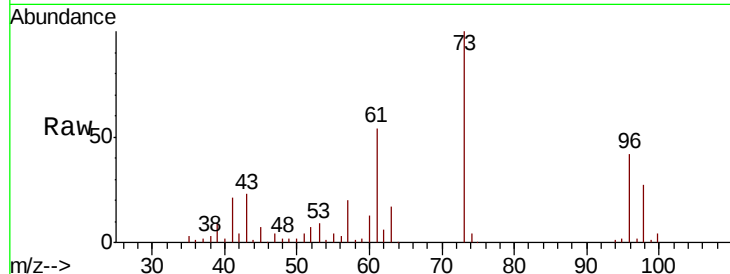




#19
Methyl tert-butyl Ether
Concen: 49.449 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

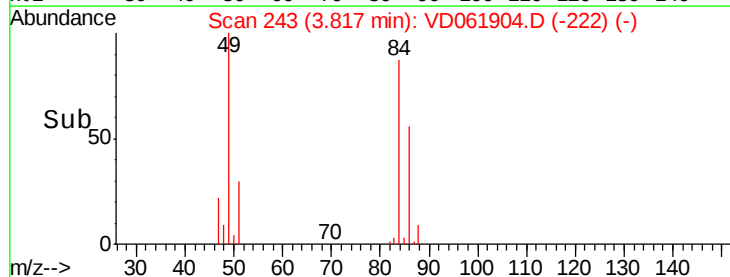
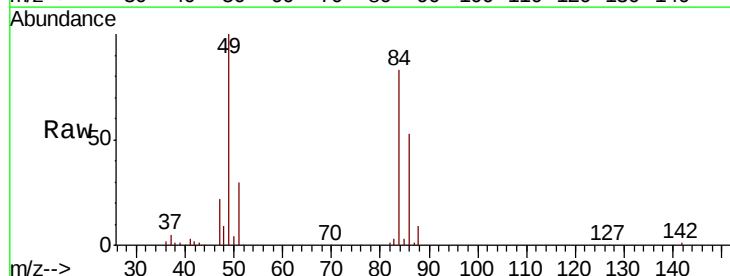
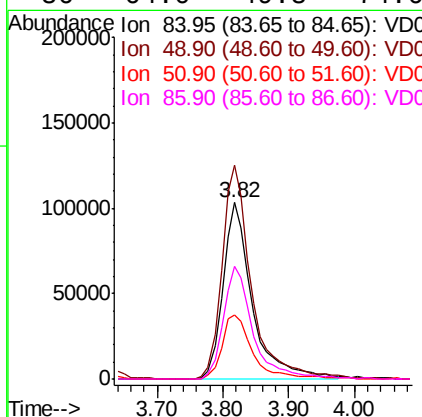
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

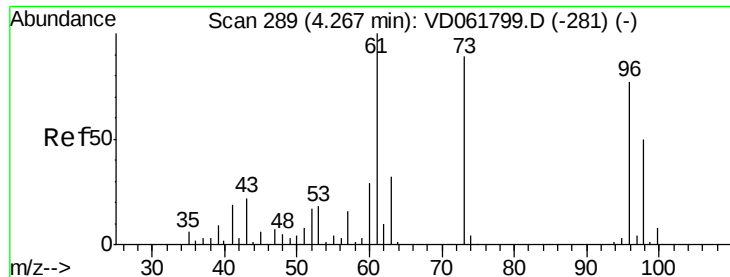
Tgt Ion: 73 Resp: 55535
Ion Ratio Lower Upper
73 100
57 19.9 16.3 24.5



#20
Methylene Chloride
Concen: 48.516 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 84 Resp: 320415
Ion Ratio Lower Upper
84 100
49 121.1 94.0 141.0
51 36.5 29.0 43.4
86 64.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.403 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

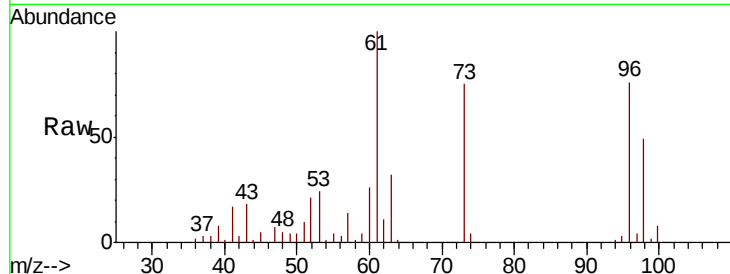
Tgt Ion: 96 Resp: 326848

Ion Ratio Lower Upper

96 100

61 132.0 104.4 156.6

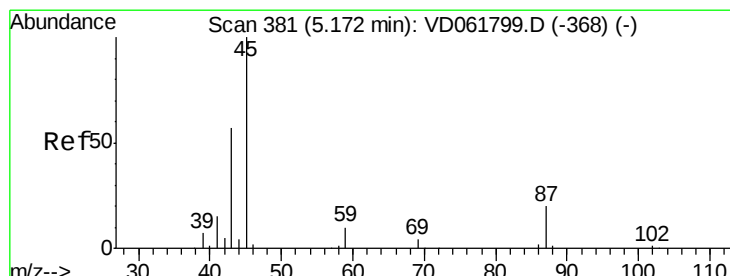
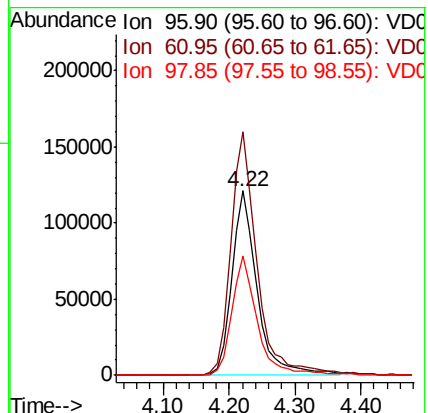
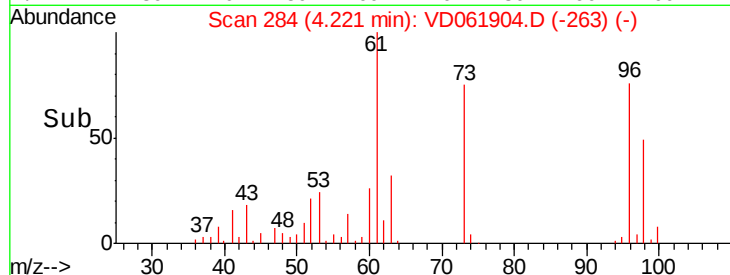
98 64.5 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.859 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Tgt Ion: 45 Resp: 892078

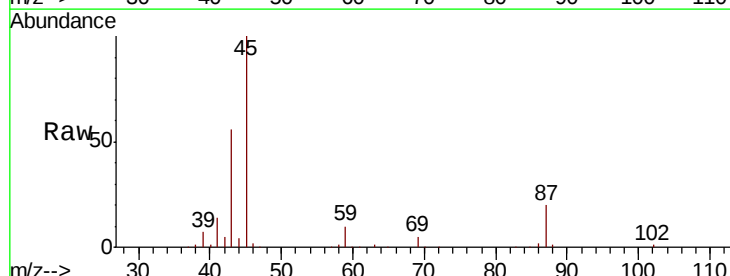
Ion Ratio Lower Upper

45 100

43 56.0 46.2 69.2

87 20.4 15.9 23.9

59 10.2 7.9 11.9

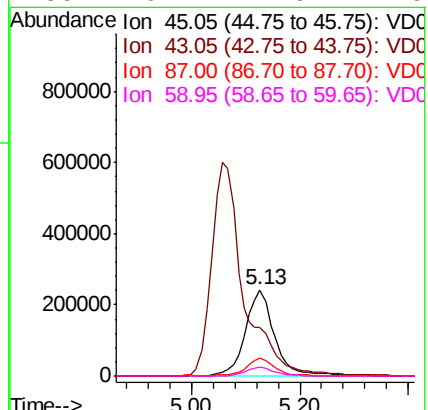
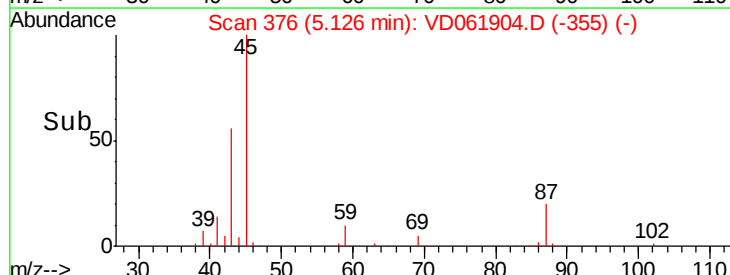


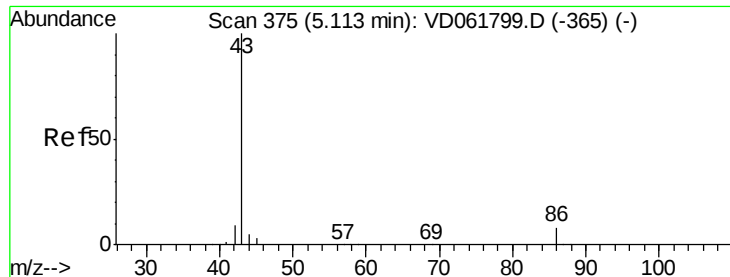
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 258.900 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

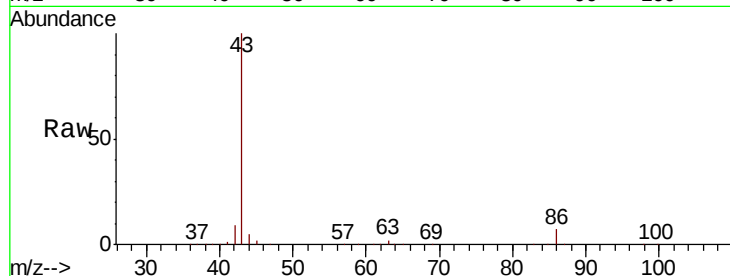
VSTDCCC050

Tgt Ion: 43 Resp: 2427557

Ion Ratio Lower Upper

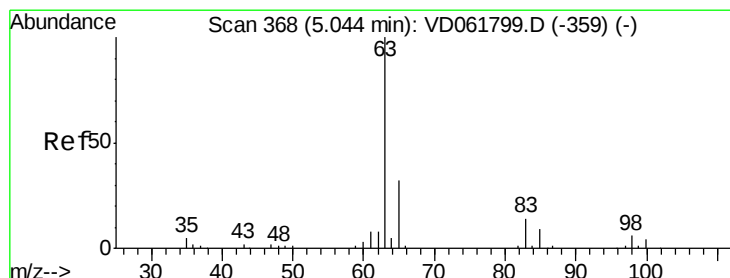
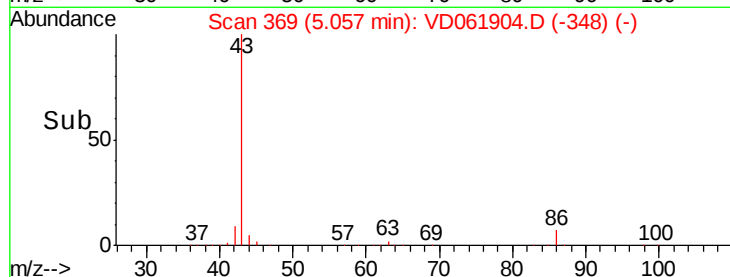
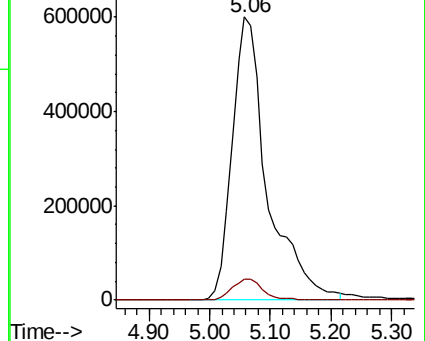
43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.126 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

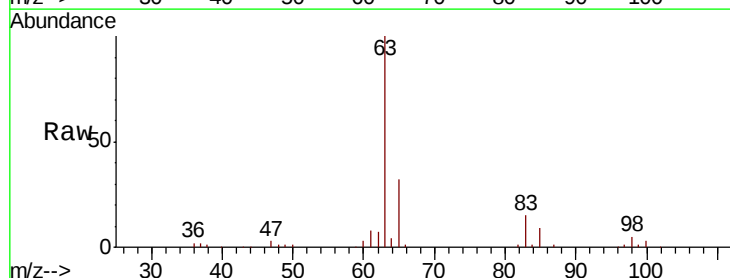
Tgt Ion: 63 Resp: 533073

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

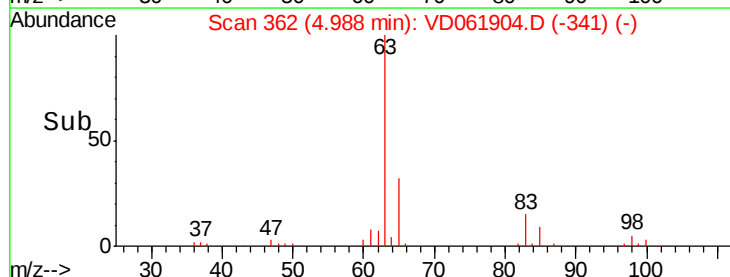
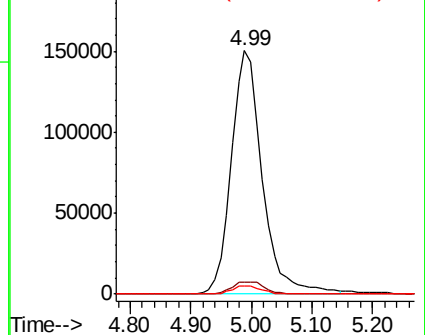
100 3.4 1.8 5.5

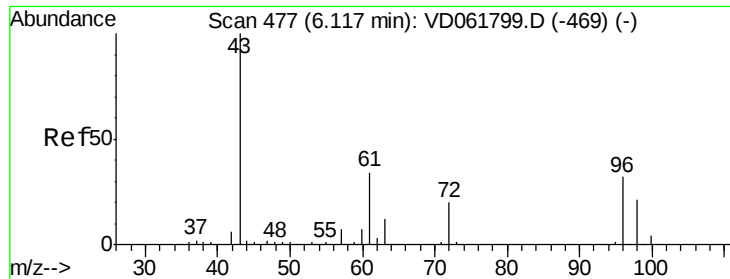


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 275.288 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

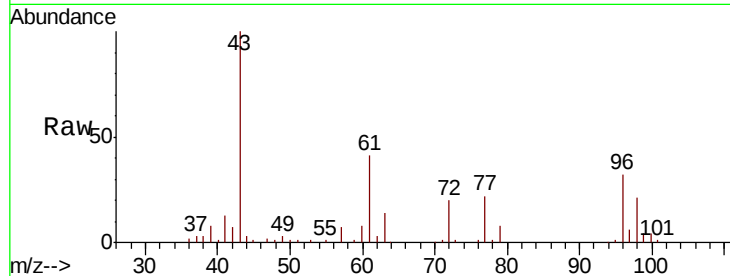
VSTDCCC050

Tgt Ion: 43 Resp: 415247

Ion Ratio Lower Upper

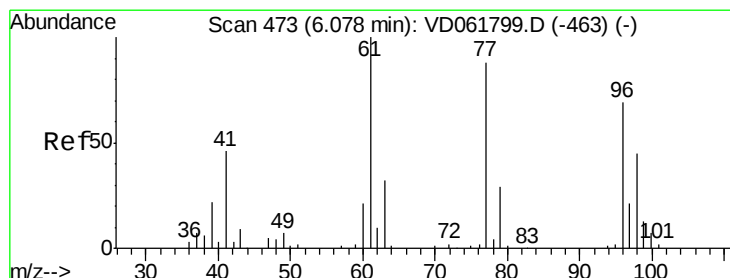
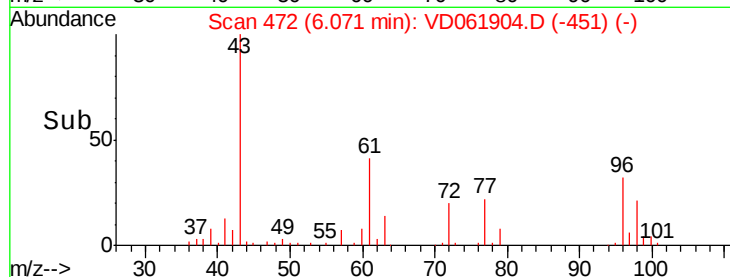
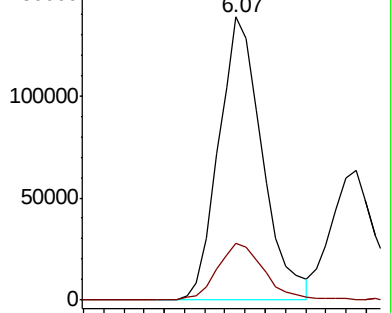
43 100

72 20.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.272 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061904.D

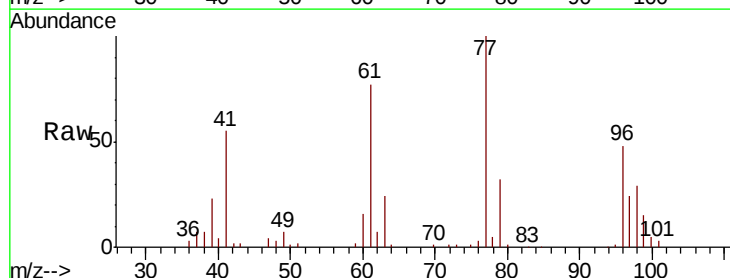
Acq: 19 Apr 2019 12:01

Tgt Ion: 77 Resp: 480485

Ion Ratio Lower Upper

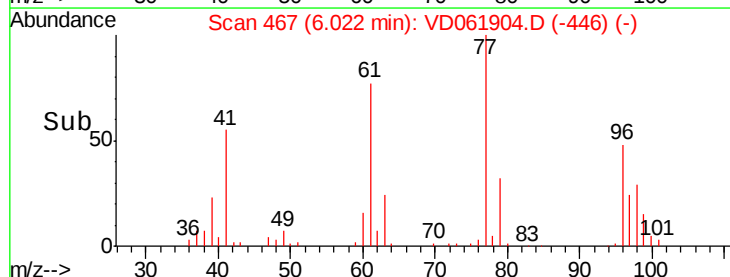
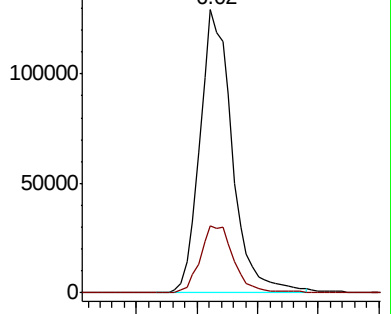
77 100

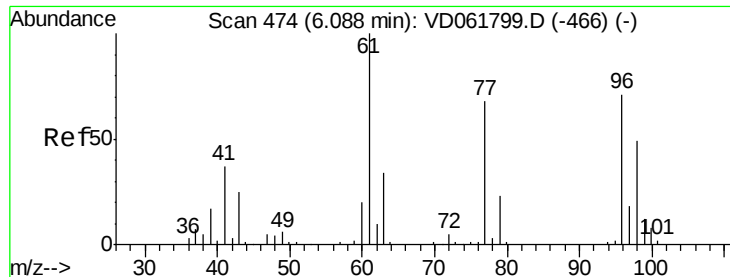
97 23.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



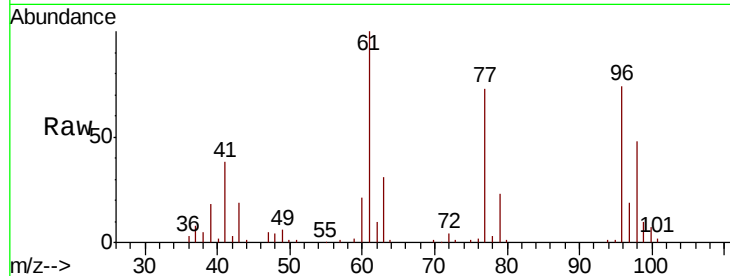


#27

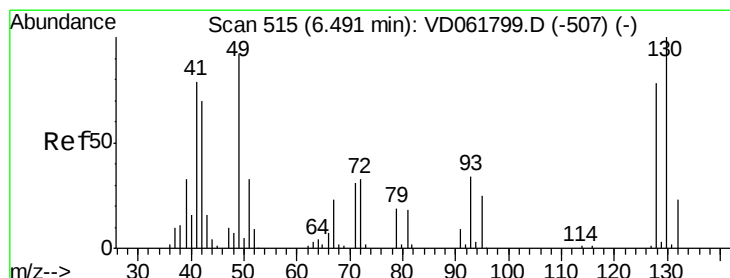
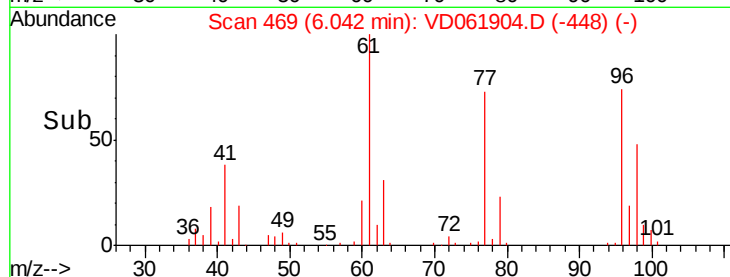
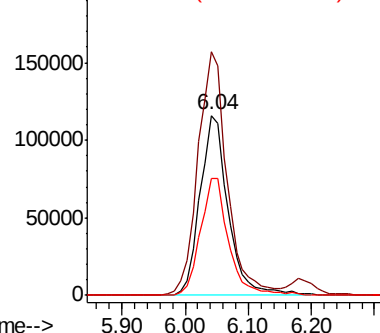
cis-1,2-Dichloroethene
 Concen: 49.902 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 357894
 Ion Ratio Lower Upper
 96 100
 61 135.3 0.0 279.8
 98 64.9 0.0 136.0



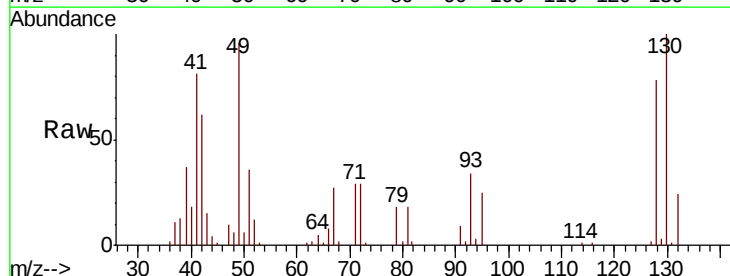
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



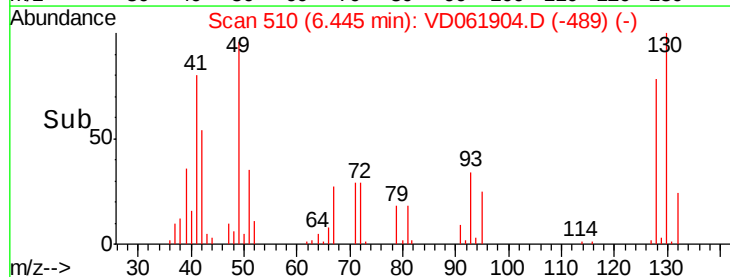
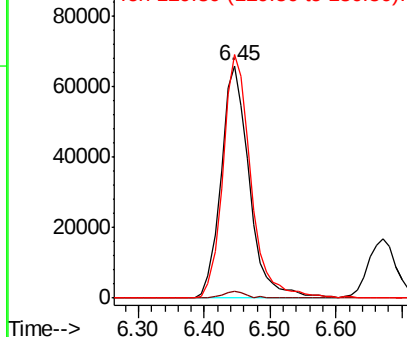
#28

Bromochloromethane
 Concen: 48.859 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 49 Resp: 197363
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 6.6
 130 104.7 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 280.841 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

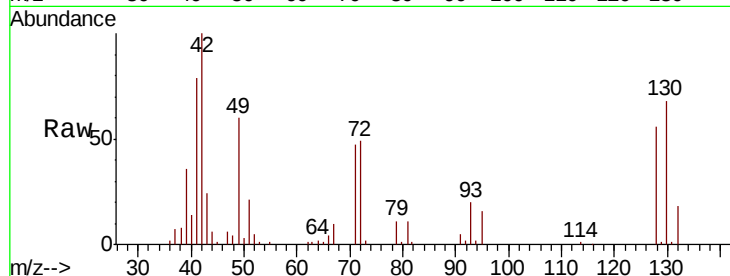
Tgt Ion: 42 Resp: 206353

Ion Ratio Lower Upper

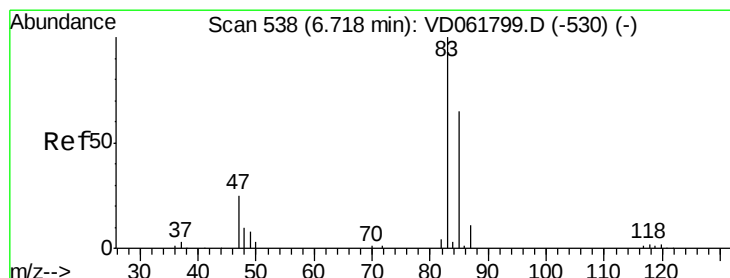
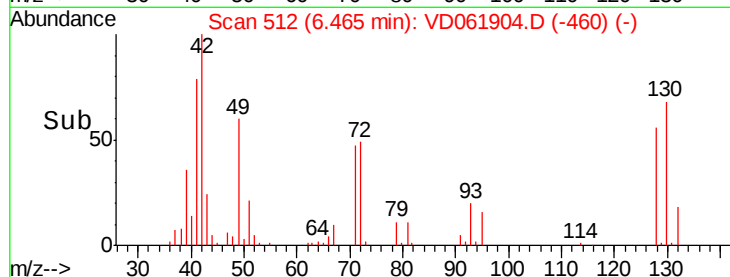
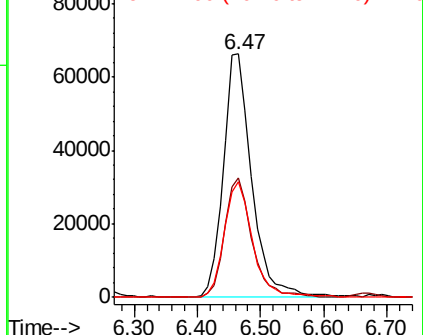
42 100

72 47.3 37.8 56.6

71 47.4 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.688 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061904.D

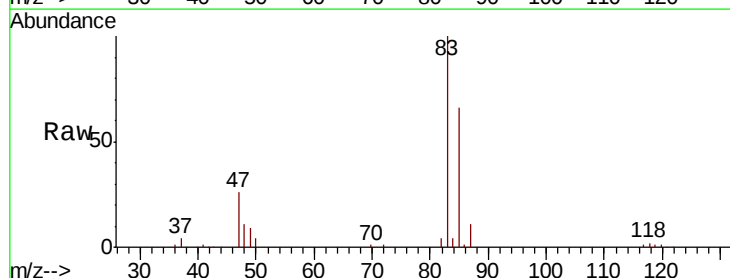
Acq: 19 Apr 2019 12:01

Tgt Ion: 83 Resp: 601244

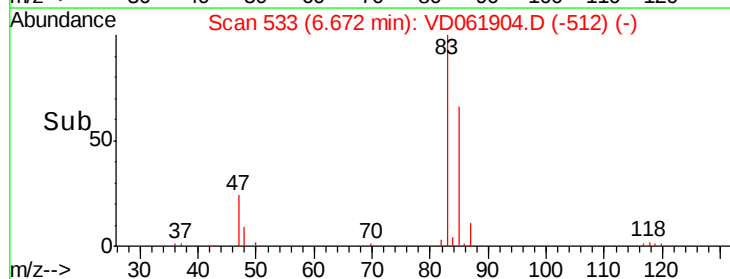
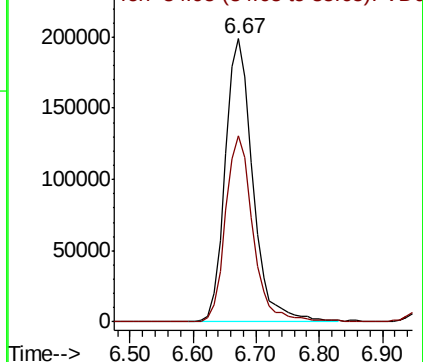
Ion Ratio Lower Upper

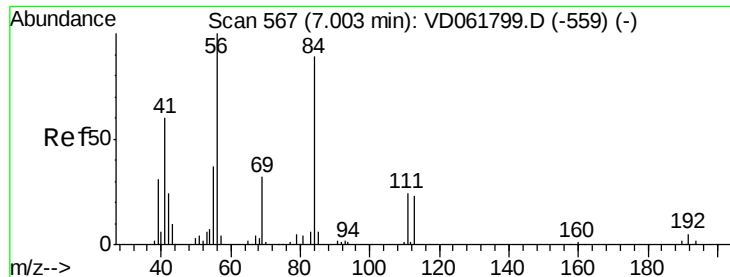
83 100

85 65.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

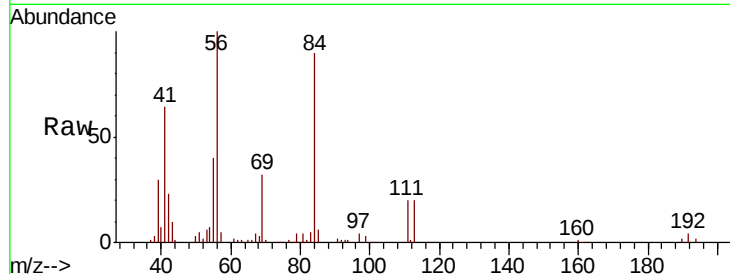




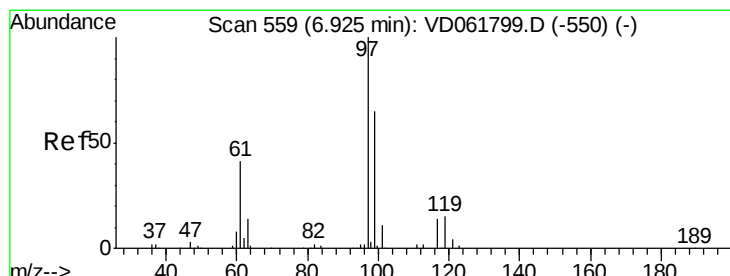
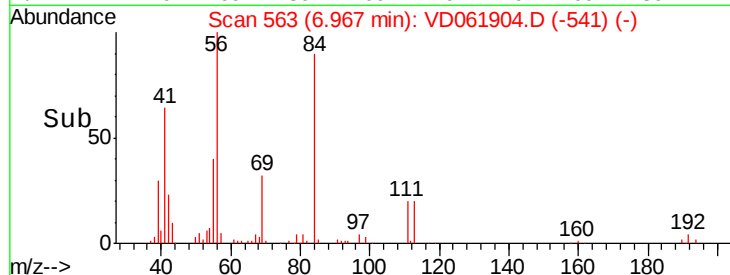
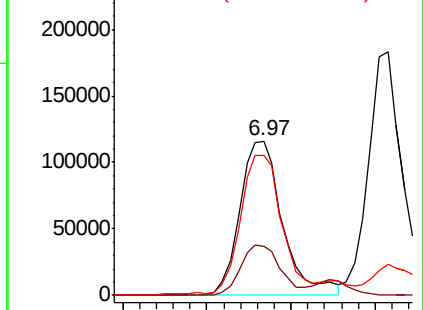
#31
Cyclohexane
Concen: 50.424 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 410508
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.6
84 90.5 72.2 108.4

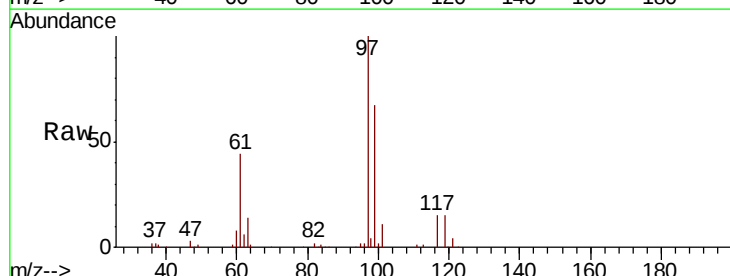


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

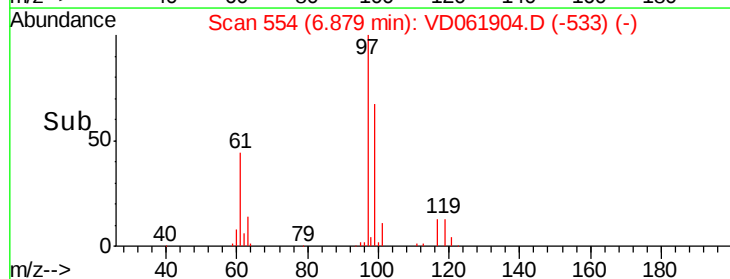
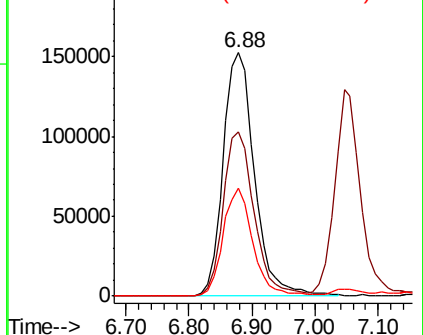


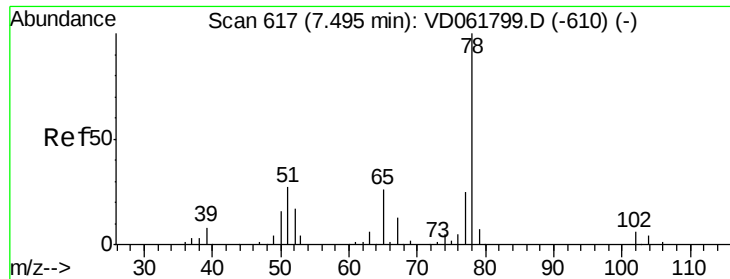
#32
1,1,1-Trichloroethane
Concen: 49.821 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 97 Resp: 523854
Ion Ratio Lower Upper
97 100
99 67.3 52.2 78.2
61 44.2 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

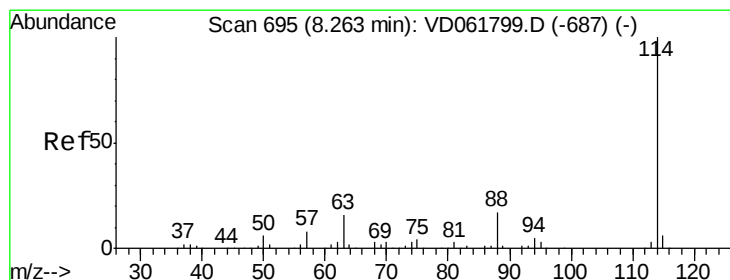
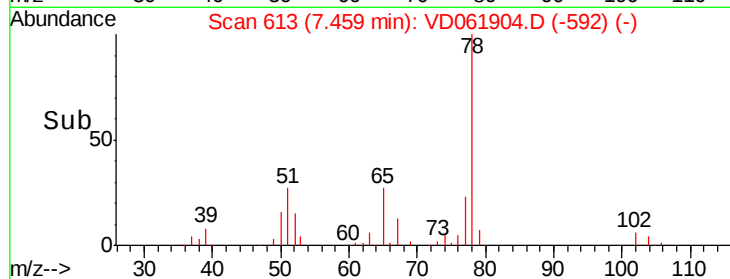
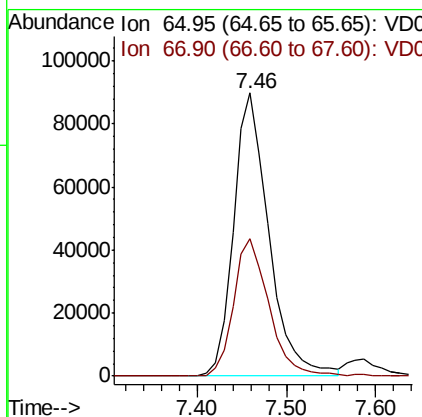
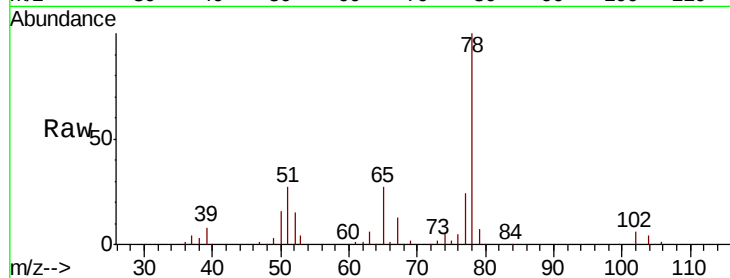




#33
 1,2-Dichloroethane-d4
 Concen: 49.821 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

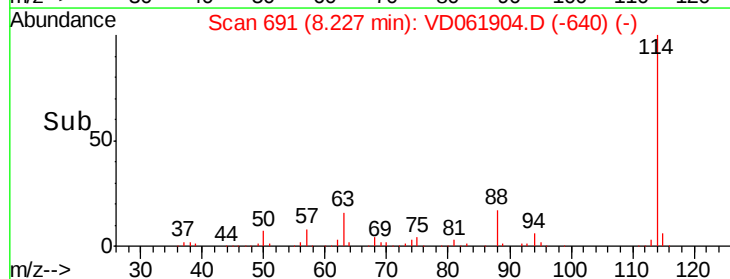
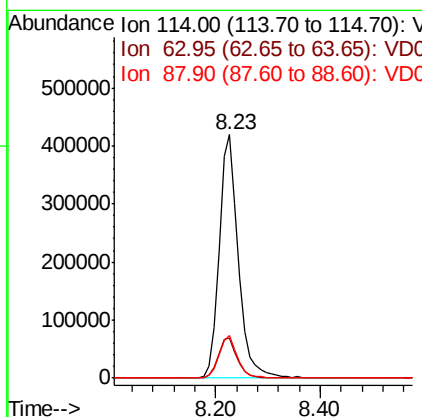
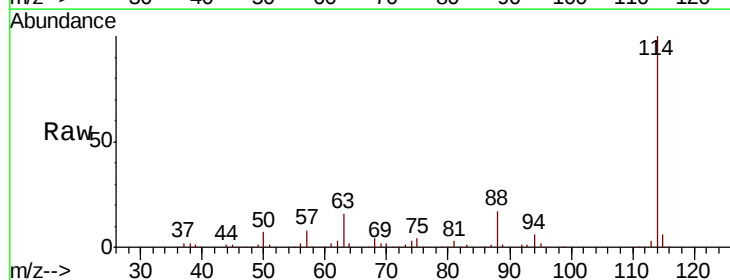
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

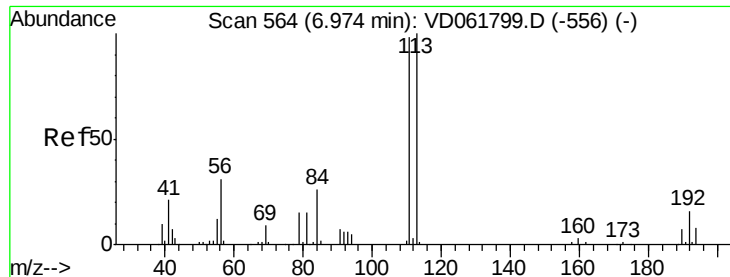
Tgt Ion: 65 Resp: 246957
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 114 Resp: 1059184
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

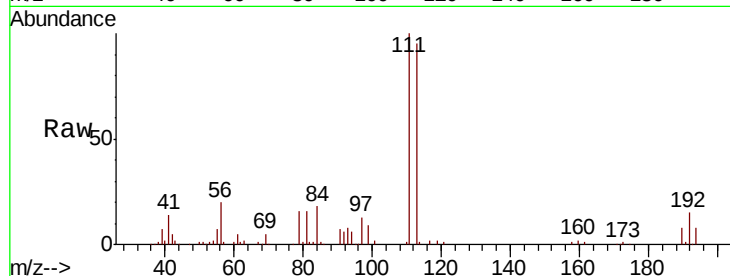
Tgt Ion:113 Resp: 371481

Ion Ratio Lower Upper

113 100

111 104.8 78.5 117.7

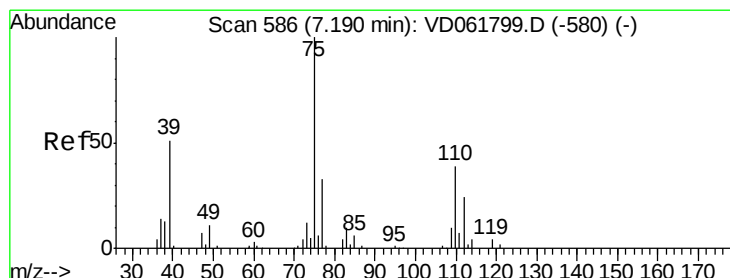
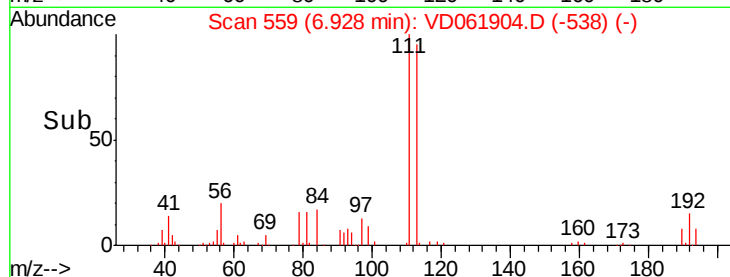
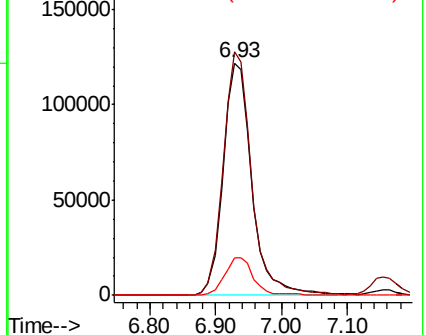
192 16.0 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.697 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

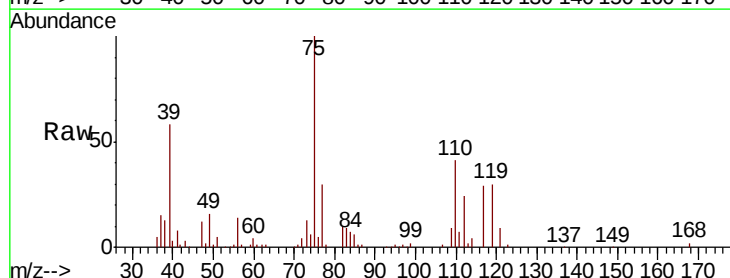
Tgt Ion: 75 Resp: 412829

Ion Ratio Lower Upper

75 100

110 41.1 19.1 57.1

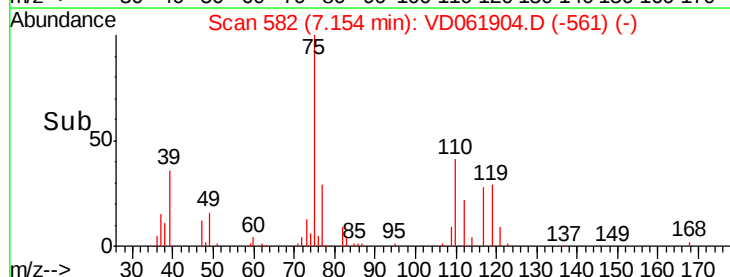
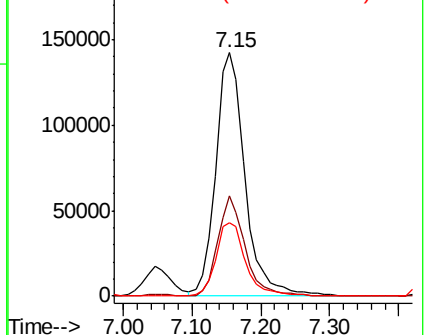
77 30.3 25.6 38.4

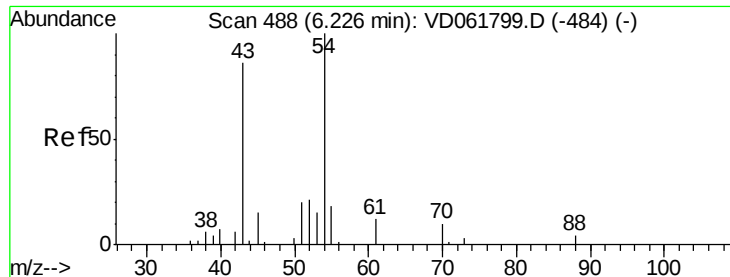


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 53.884 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

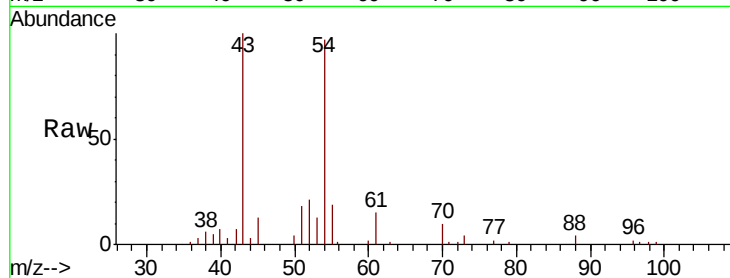
Tgt Ion: 43 Resp: 199606

Ion Ratio Lower Upper

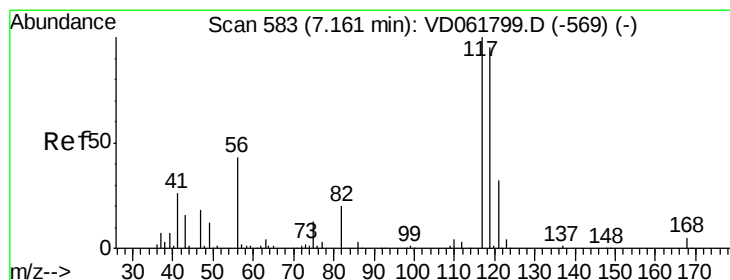
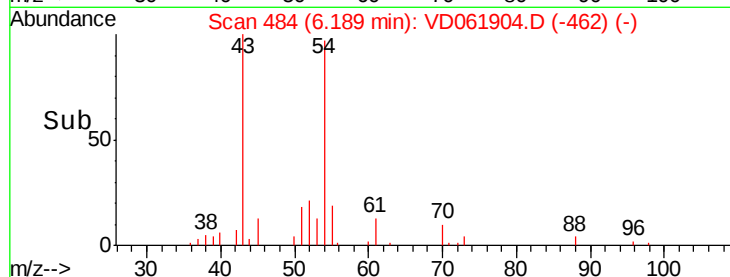
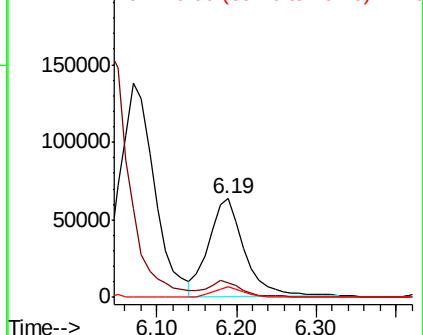
43 100

61 14.6 14.7 22.1#

70 10.4 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 52.325 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

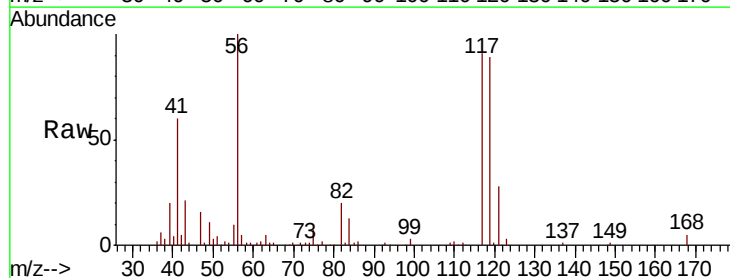
Tgt Ion: 117 Resp: 571862

Ion Ratio Lower Upper

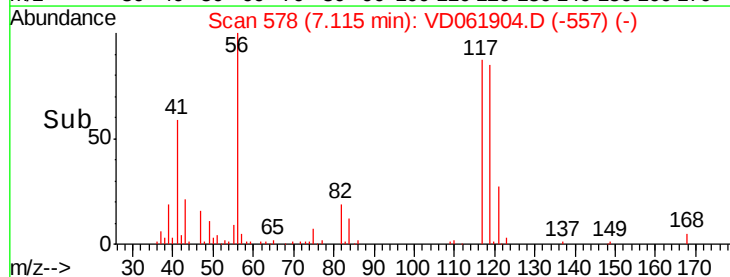
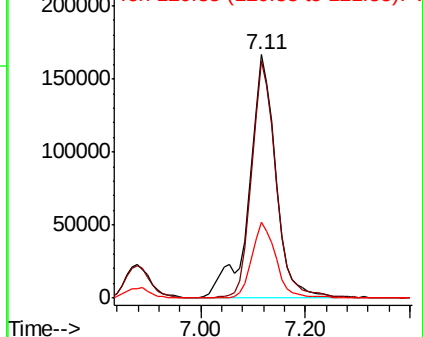
117 100

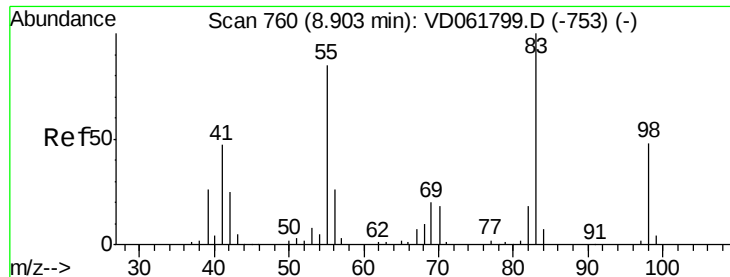
119 97.2 75.8 113.8

121 31.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

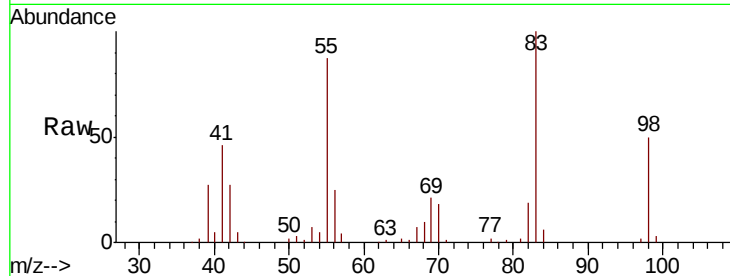




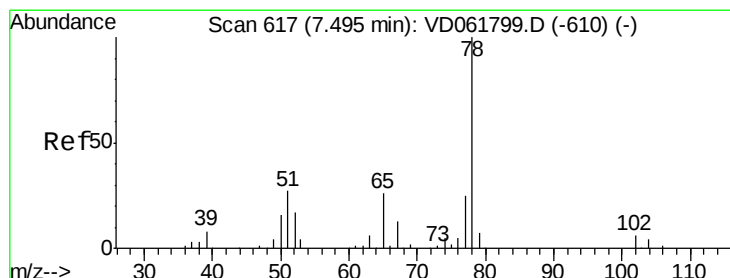
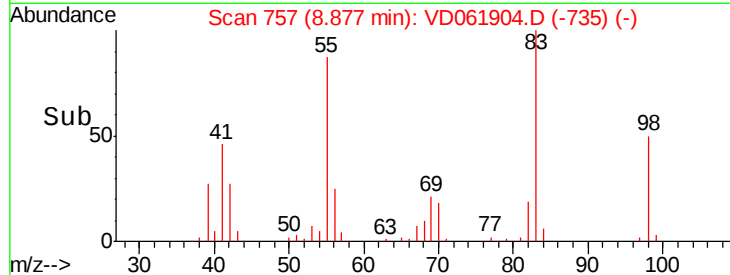
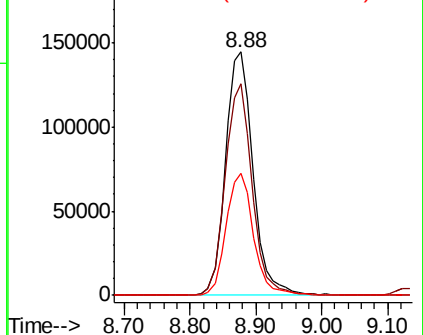
#39
Methylcyclohexane
Concen: 47.078 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 423132
Ion Ratio Lower Upper
83 100
55 86.8 68.2 102.4
98 50.0 38.2 57.4

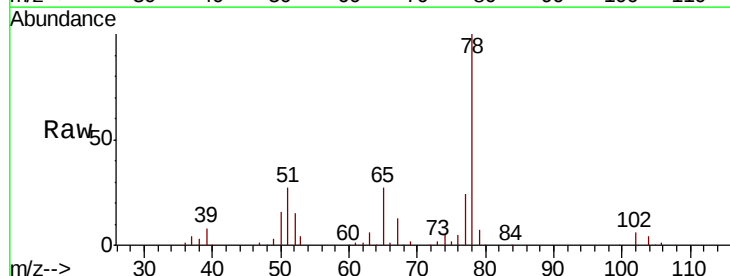


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

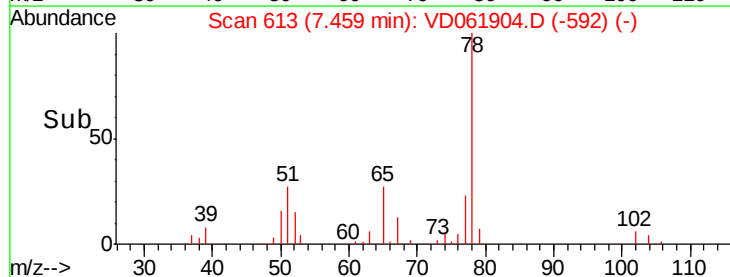
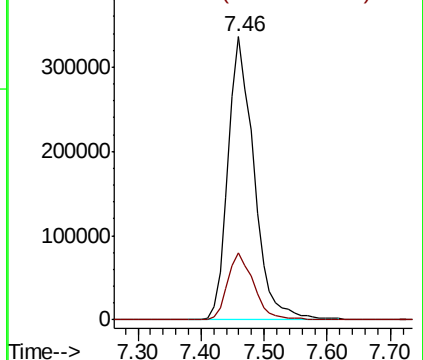


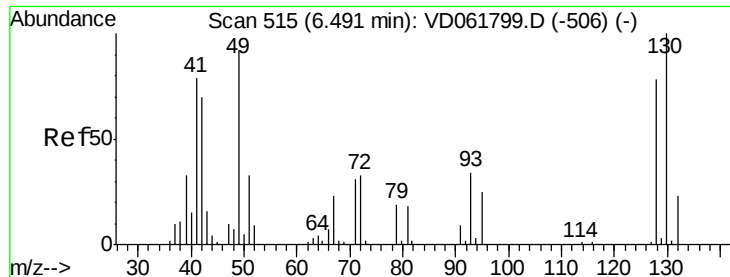
#40
Benzene
Concen: 46.148 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 78 Resp: 958924
Ion Ratio Lower Upper
78 100
77 23.5 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: 53.064 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

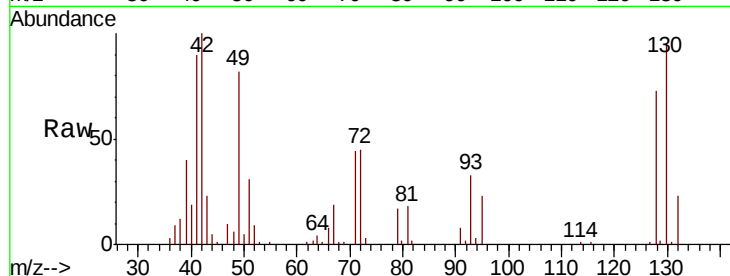
ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 232336

Ion Ratio Lower Upper

41	100		
39	44.6	34.1	51.1
67	21.5	23.8	35.6
52	9.5	8.8	13.2

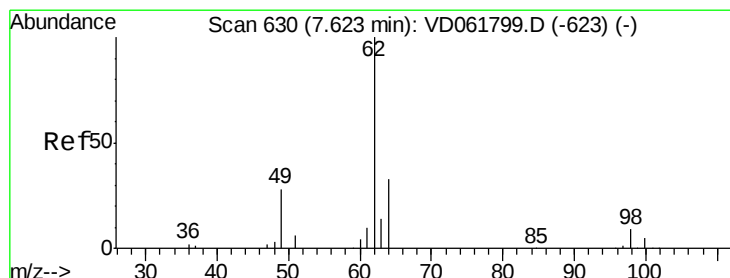
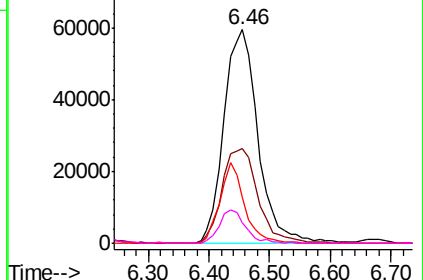
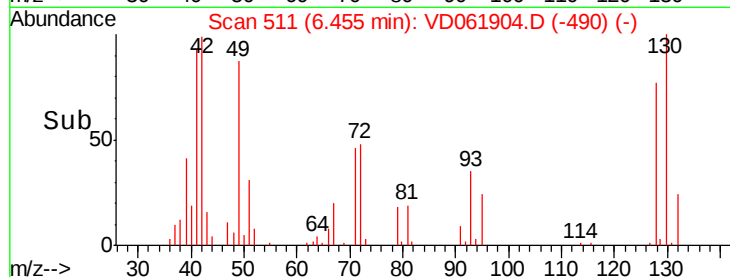


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.313 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

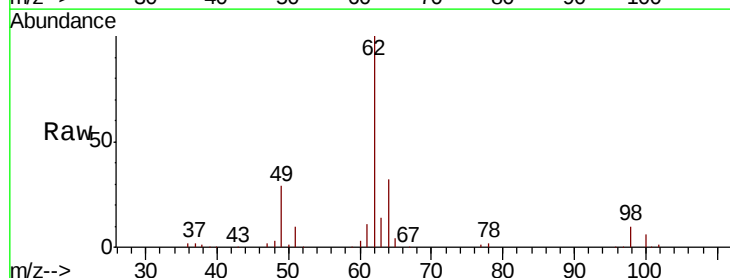
Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Tgt Ion: 62 Resp: 356877

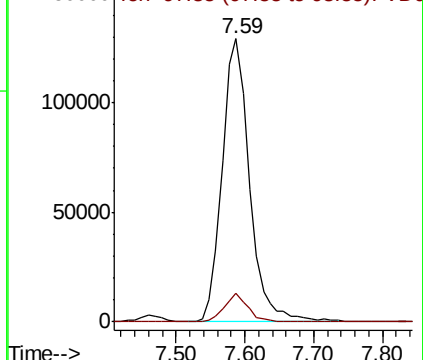
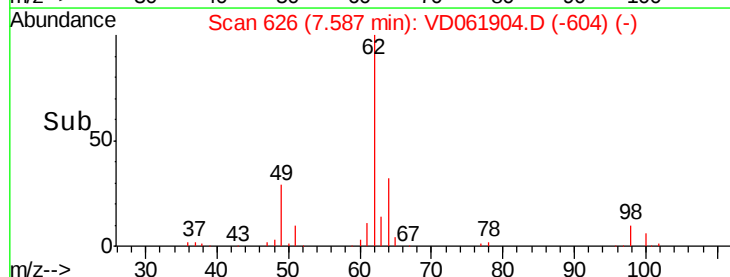
Ion Ratio Lower Upper

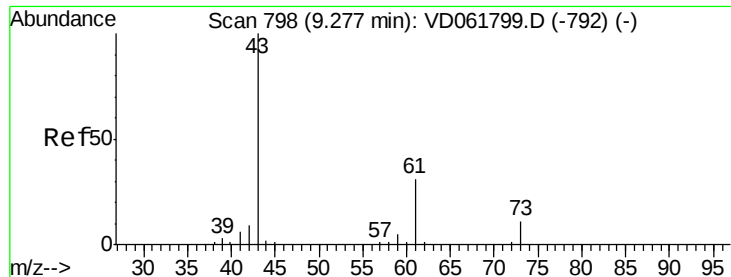
62	100		
98	10.0	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.206 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

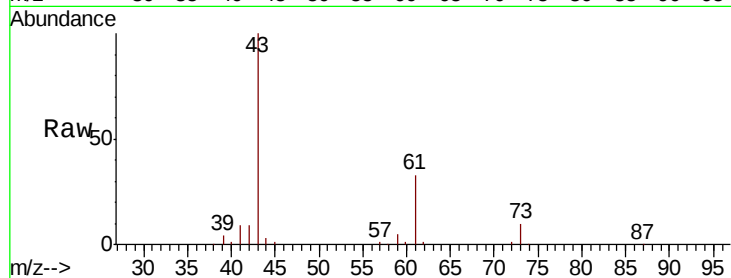
Tgt Ion: 43 Resp: 272148

Ion Ratio Lower Upper

43 100

61 33.0 25.1 37.7

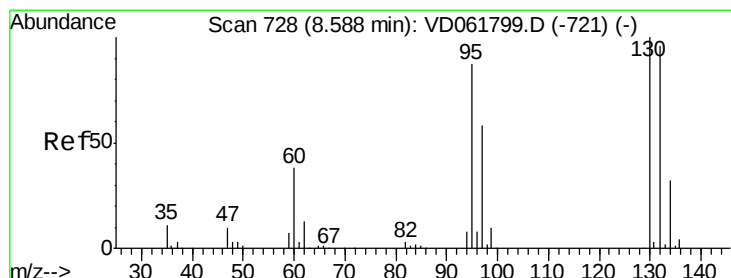
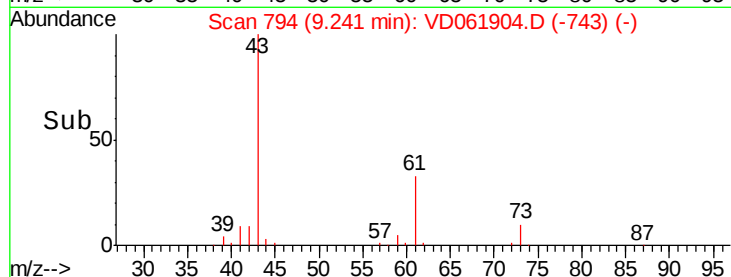
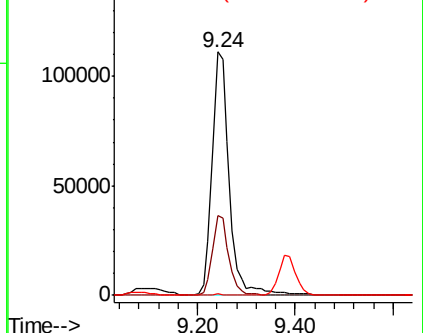
87 0.5 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.795 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061904.D

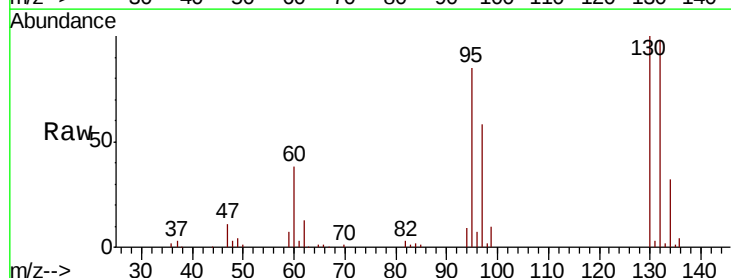
Acq: 19 Apr 2019 12:01

Tgt Ion: 130 Resp: 390322

Ion Ratio Lower Upper

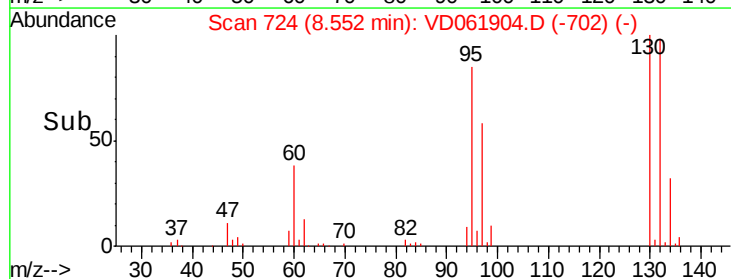
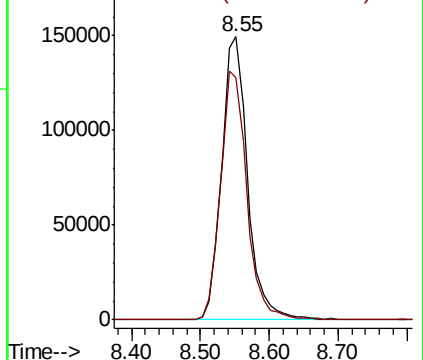
130 100

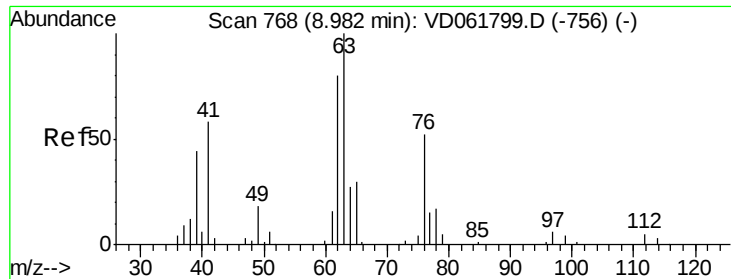
95 85.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.748 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

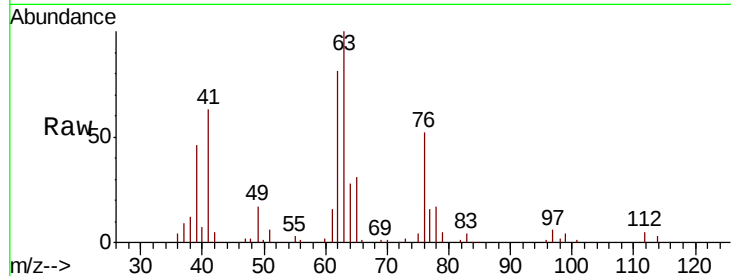
VSTDCCC050

Tgt Ion: 63 Resp: 258437

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

120000

100000

80000

60000

40000

20000

0

8.95

8.90

8.85

8.80

8.75

8.70

8.65

8.60

8.55

8.50

8.45

8.40

8.35

8.30

8.25

8.20

8.15

8.10

8.05

8.00

7.95

7.90

7.85

7.80

7.75

7.70

7.65

7.60

7.55

7.50

7.45

7.40

7.35

7.30

7.25

7.20

7.15

7.10

7.05

7.00

6.95

6.90

6.85

6.80

6.75

6.70

6.65

6.60

6.55

6.50

6.45

6.40

6.35

6.30

6.25

6.20

6.15

6.10

6.05

6.00

5.95

5.90

5.85

5.80

5.75

5.70

5.65

5.60

5.55

5.50

5.45

5.40

5.35

5.30

5.25

5.20

5.15

5.10

5.05

5.00

4.95

4.90

4.85

4.80

4.75

4.70

4.65

4.60

4.55

4.50

4.45

4.40

4.35

4.30

4.25

4.20

4.15

4.10

4.05

4.00

3.95

3.90

3.85

3.80

3.75

3.70

3.65

3.60

3.55

3.50

3.45

3.40

3.35

3.30

3.25

3.20

3.15

3.10

3.05

3.00

2.95

2.90

2.85

2.80

2.75

2.70

2.65

2.60

2.55

2.50

2.45

2.40

2.35

2.30

2.25

2.20

2.15

2.10

2.05

2.00

1.95

1.90

1.85

1.80

1.75

1.70

1.65

1.60

1.55

1.50

1.45

1.40

1.35

1.30

1.25

1.20

1.15

1.10

1.05

1.00

0.95

0.90

0.85

0.80

0.75

0.70

0.65

0.60

0.55

0.50

0.45

0.40

0.35

0.30

0.25

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.15

-0.20

-0.25

-0.30

-0.35

-0.40

-0.45

-0.50

-0.55

-0.60

-0.65

-0.70

-0.75

-0.80

-0.85

-0.90

-0.95

-1.00

-1.05

-1.10

-1.15

-1.20

-1.25

-1.30

-1.35

-1.40

-1.45

-1.50

-1.55

-1.60

-1.65

-1.70

-1.75

-1.80

-1.85

-1.90

-1.95

-2.00

-2.05

-2.10

-2.15

-2.20

-2.25

-2.30

-2.35

-2.40

-2.45

-2.50

-2.55

-2.60

-2.65

-2.70

-2.75

-2.80

-2.85

-2.90

-2.95

-3.00

-3.05

-3.10

-3.15

-3.20

-3.25

-3.30

-3.35

-3.40

-3.45

-3.50

-3.55

-3.60

-3.65

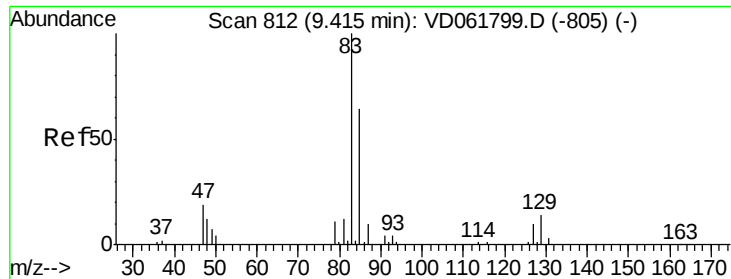
-3.70

-3.75

-3.80

-3.85

-3.90



#47

Bromodichloromethane

Concen: 49.397 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

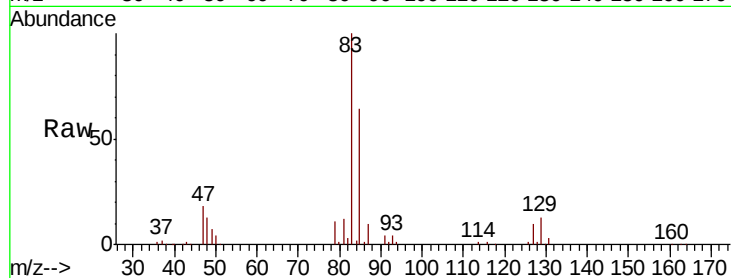
Tgt Ion: 83 Resp: 439499

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

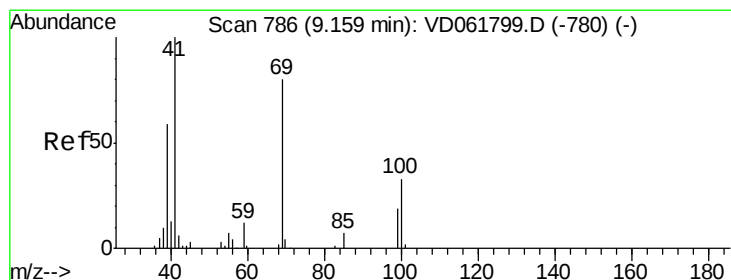
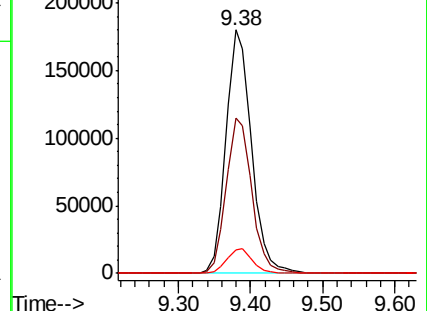
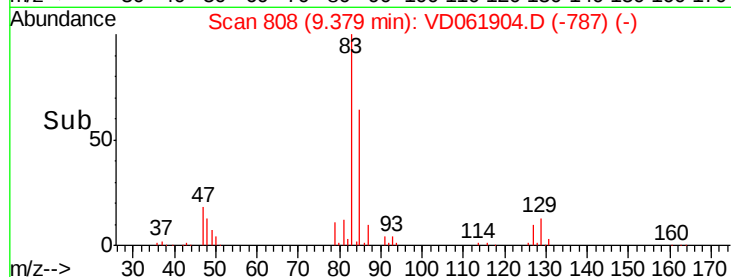
127 9.6 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.985 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

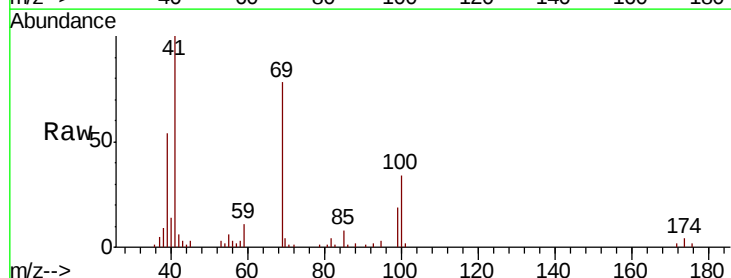
Tgt Ion: 41 Resp: 153165

Ion Ratio Lower Upper

41 100

69 78.3 64.2 96.2

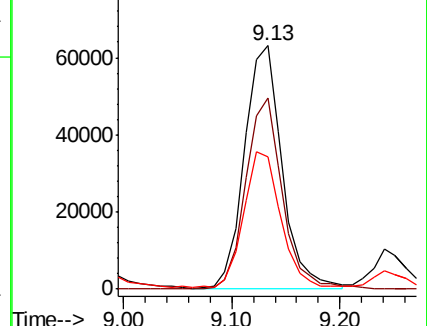
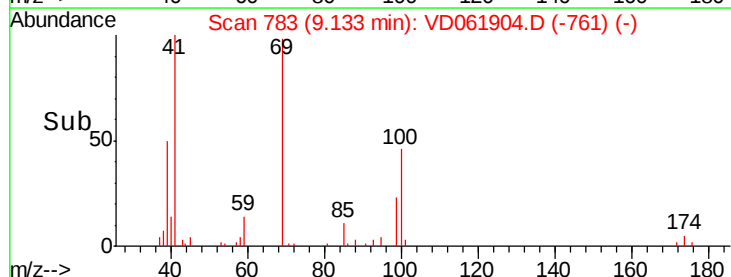
39 54.4 46.8 70.2

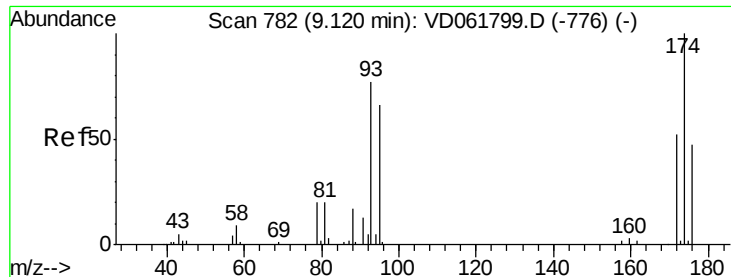


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

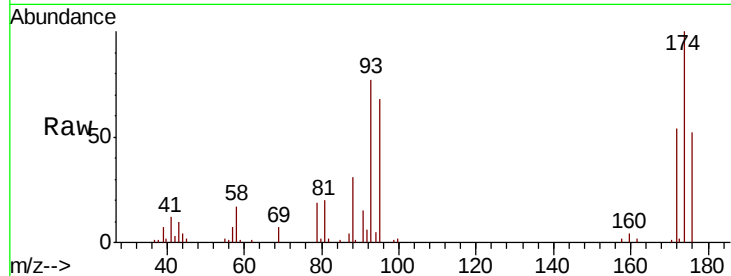




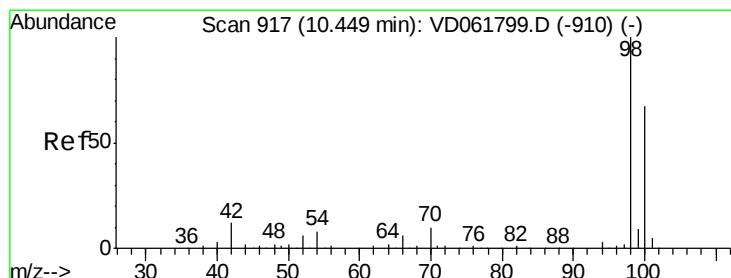
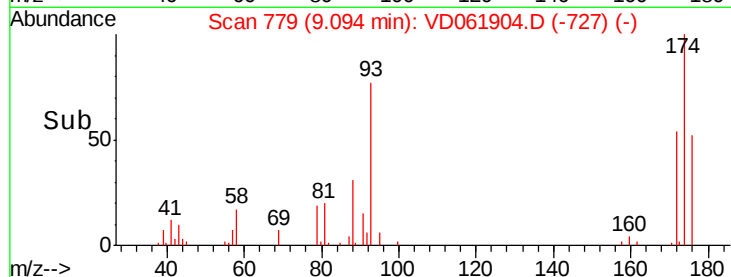
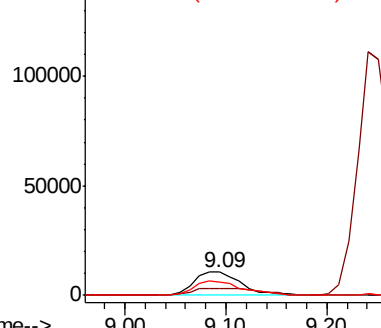
#49
1,4-Dioxane
Concen: 1013.543 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33946
Ion Ratio Lower Upper
88 100
43 31.8 23.4 35.0
58 56.2 44.0 66.0

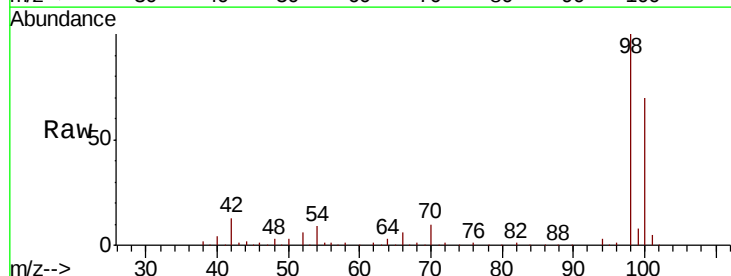


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

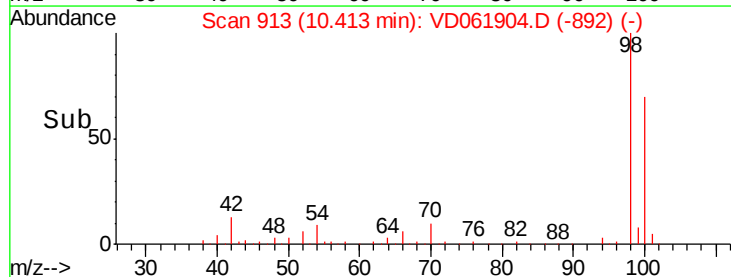
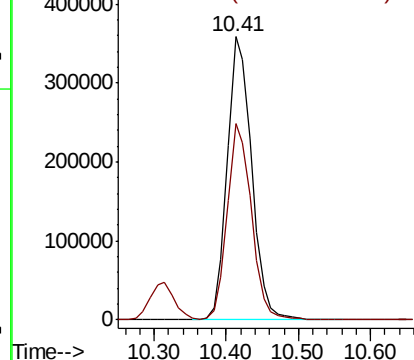


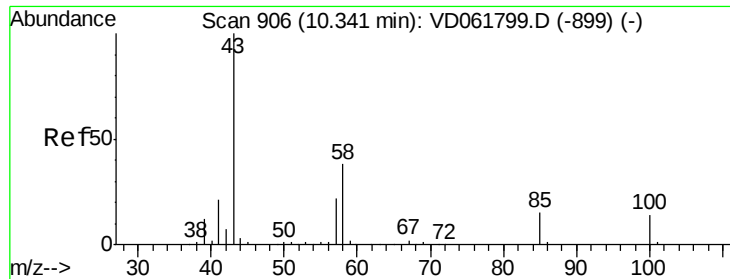
#50
Toluene-d8
Concen: 1013.543 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 98 Resp: 842569
Ion Ratio Lower Upper
98 100
100 69.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

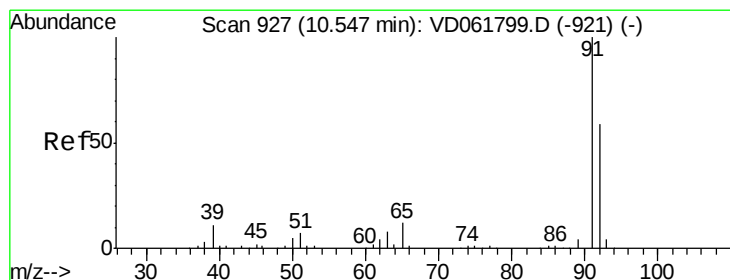
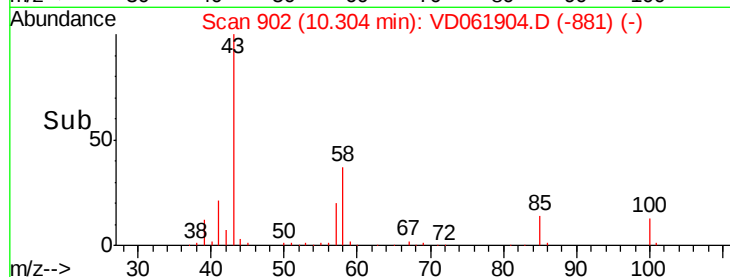
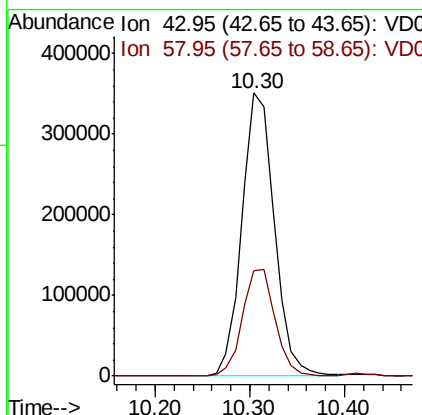
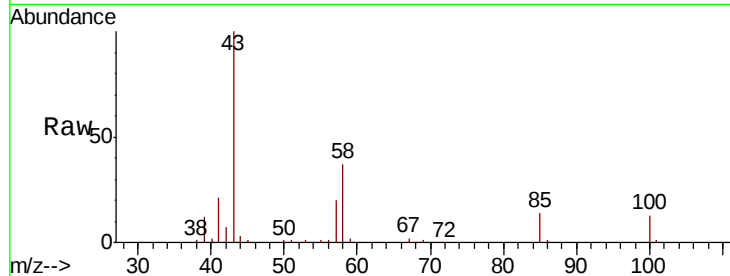




#51
 4-Methyl-2-Pentanone
 Concen: 262.835 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

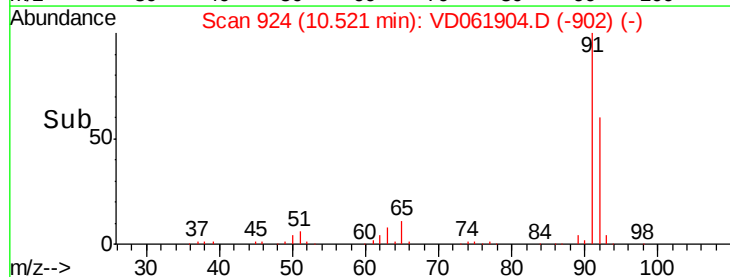
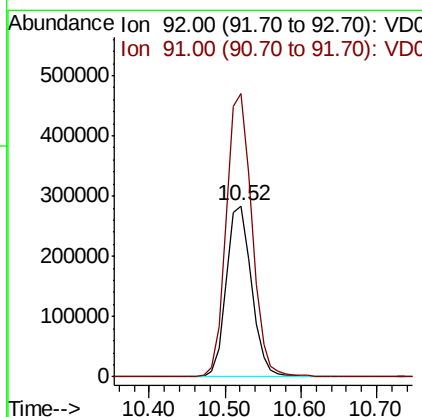
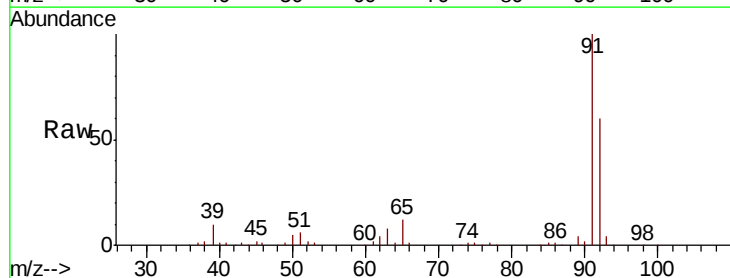
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

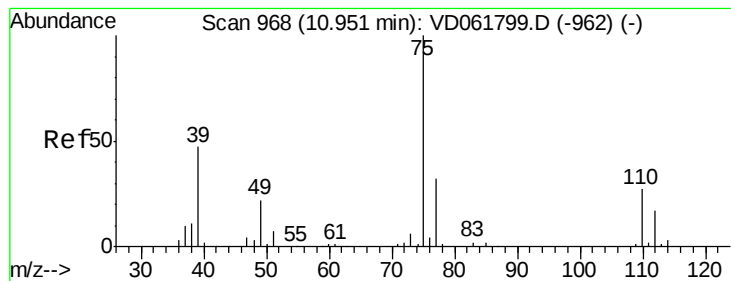
Tgt Ion: 43 Resp: 837891
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.4 45.6



#52
 Toluene
 Concen: 49.314 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 92 Resp: 656657
 Ion Ratio Lower Upper
 92 100
 91 165.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 45.553 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

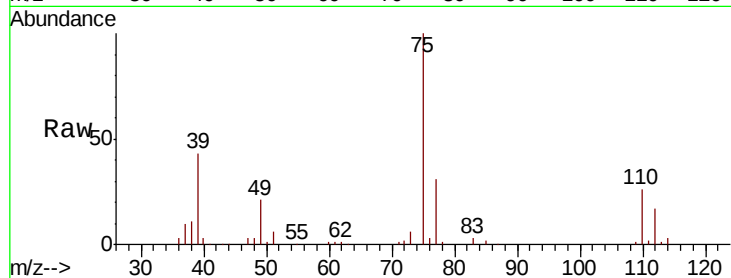
VSTDCCC050

Tgt Ion: 75 Resp: 365204

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

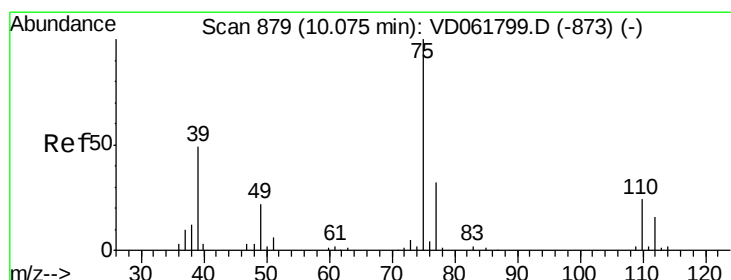
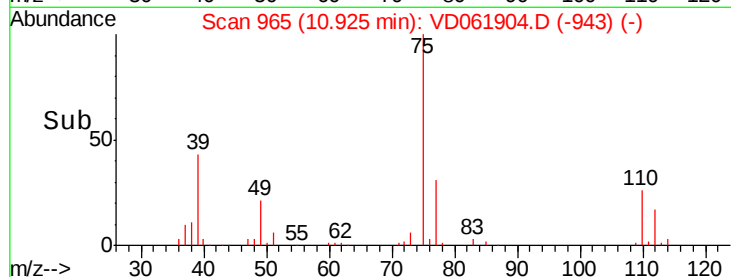
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 50.580 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

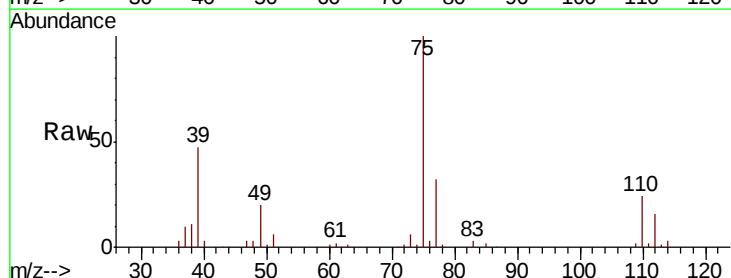
Tgt Ion: 75 Resp: 475992

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 46.6 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

300000

250000

200000

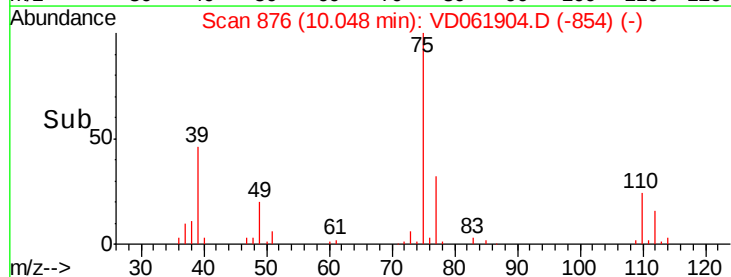
150000

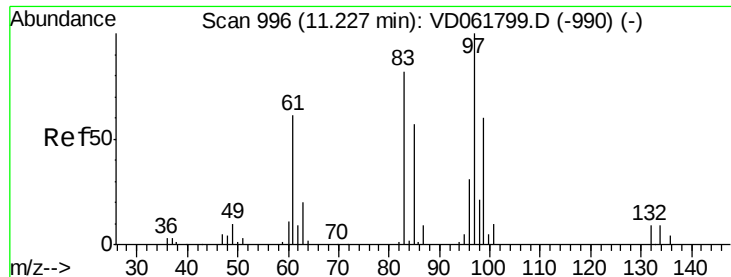
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

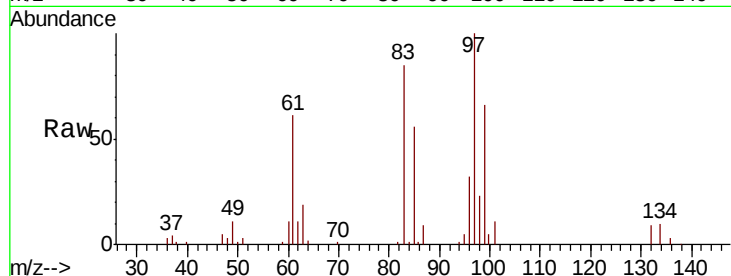




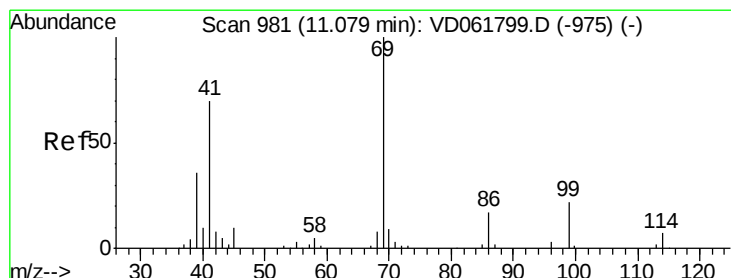
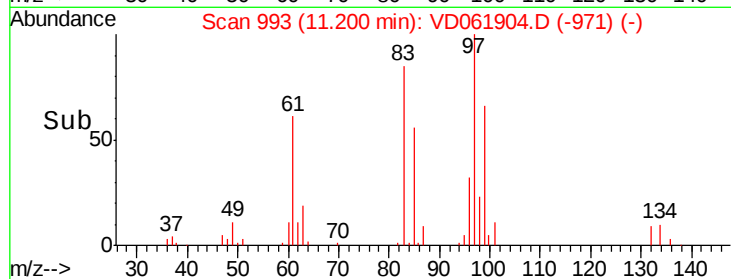
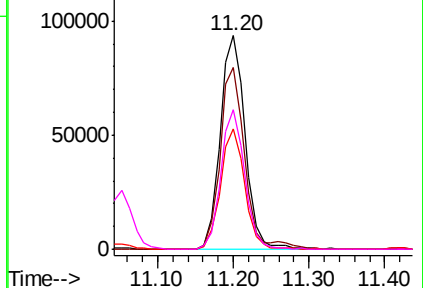
#55
 1,1,2-Trichloroethane
 Concen: 47.510 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	213177
Ion	Ratio	Lower	Upper
97	100		
83	85.1	65.7	98.5
85	56.1	45.6	68.4
99	65.5	48.4	72.6

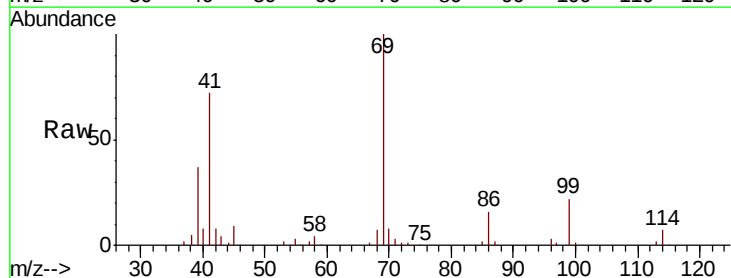


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

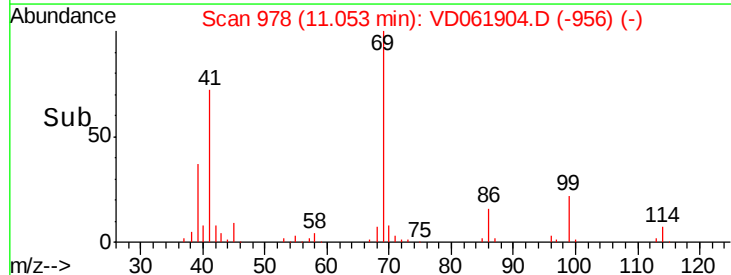
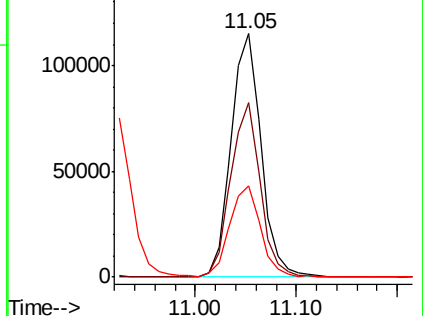


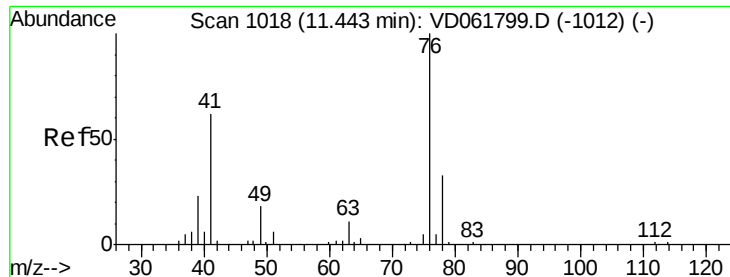
#56
 Ethyl methacrylate
 Concen: 48.296 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion:	69	Resp:	237839
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.3	84.5
39	37.5	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

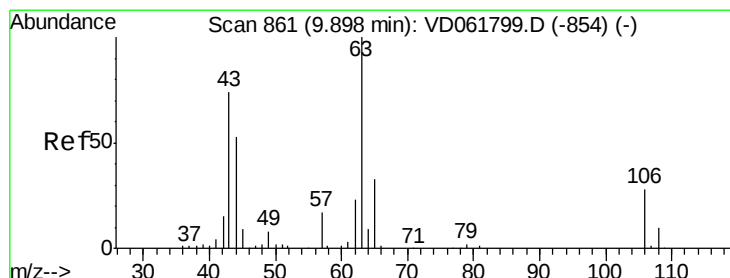
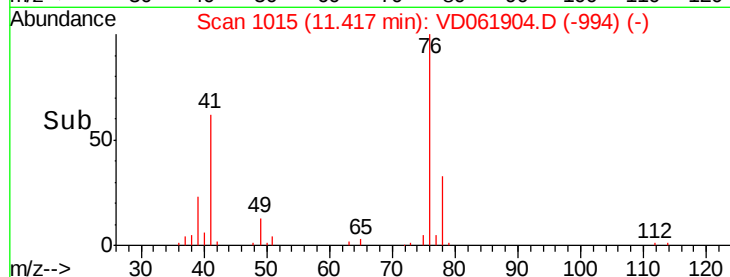
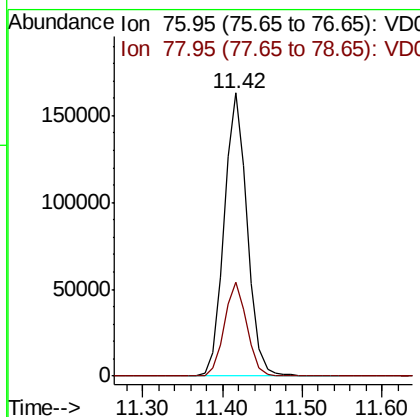
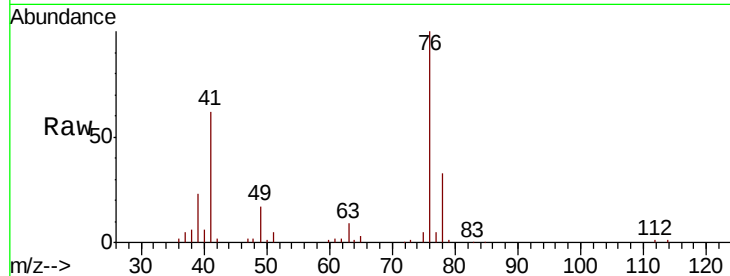




#57
 1,3-Dichloropropane
 Concen: 49.107 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

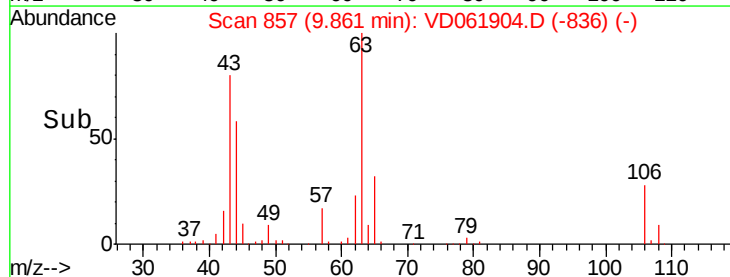
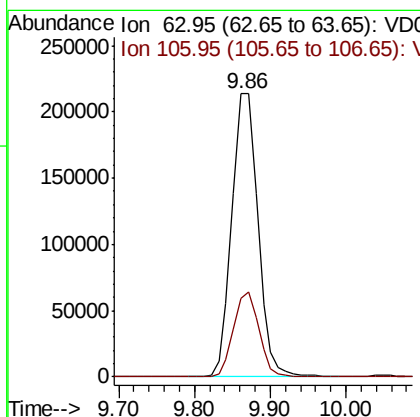
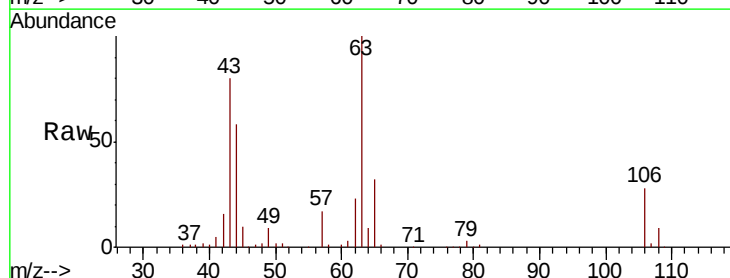
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

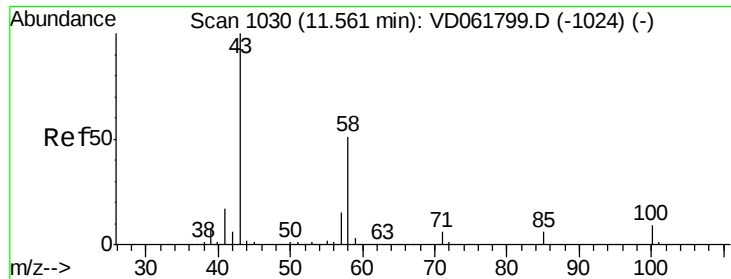
Tgt Ion: 76 Resp: 331262
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.466 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 63 Resp: 511731
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 34.0

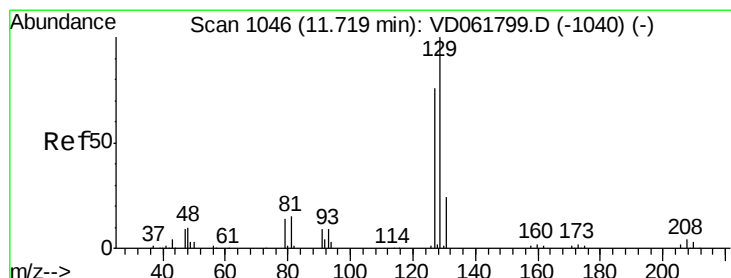
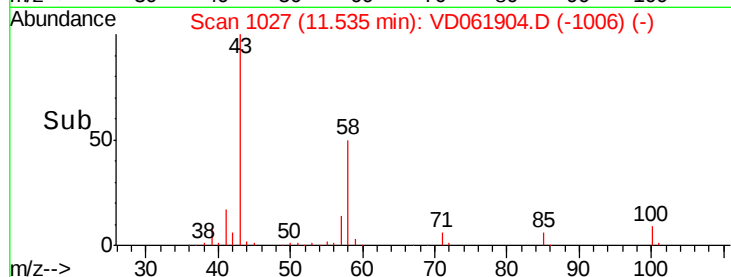
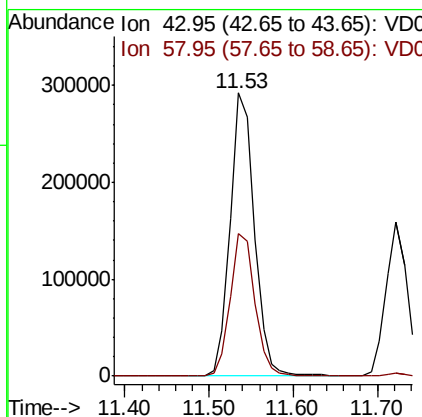
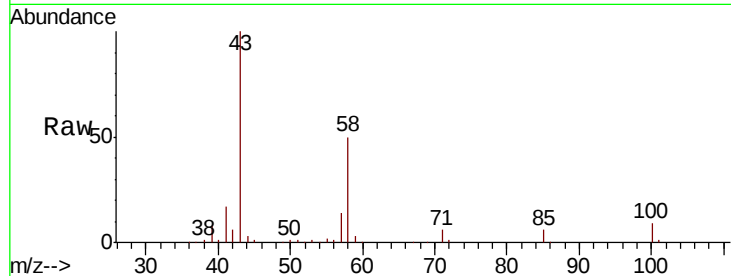




#59
2-Hexanone
Concen: 248.357 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

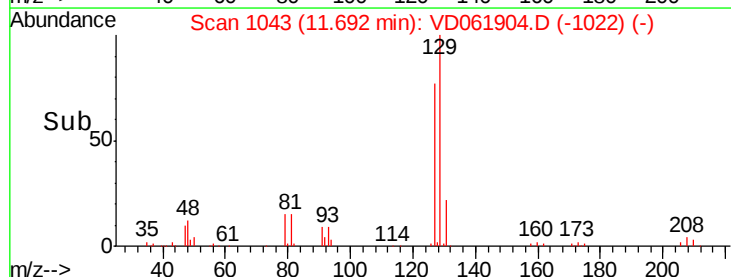
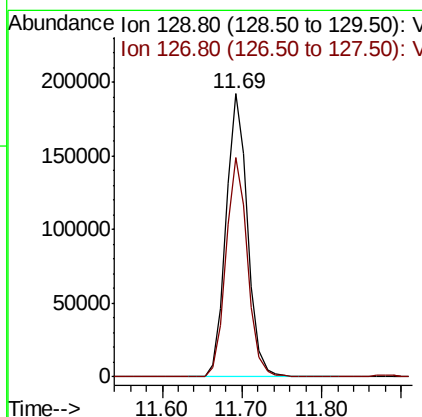
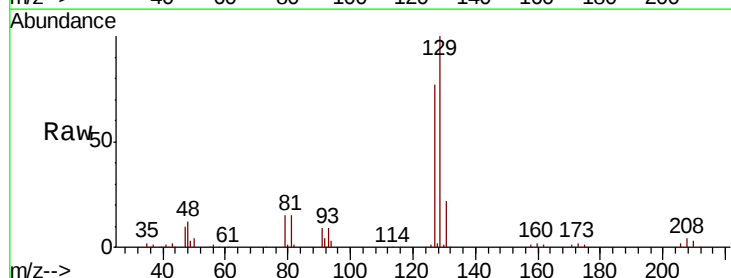
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

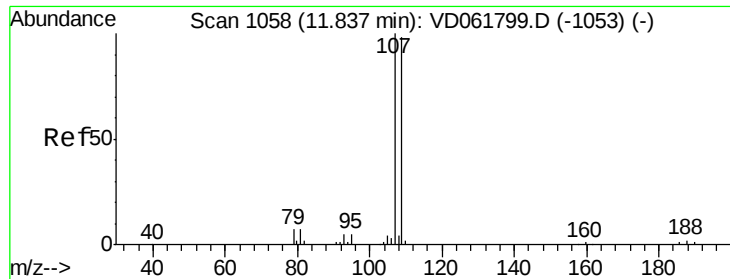
Tgt Ion: 43 Resp: 588042
Ion Ratio Lower Upper
43 100
58 50.2 25.4 76.4



#60
Dibromochloromethane
Concen: 49.902 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 129 Resp: 366373
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9

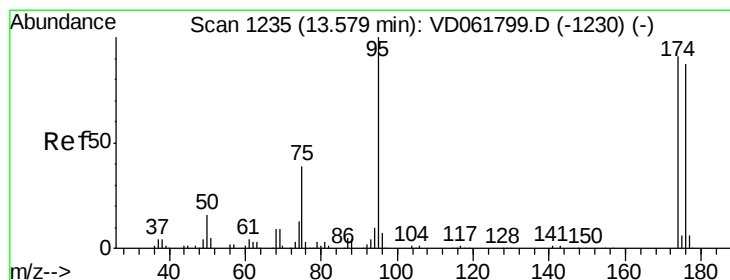
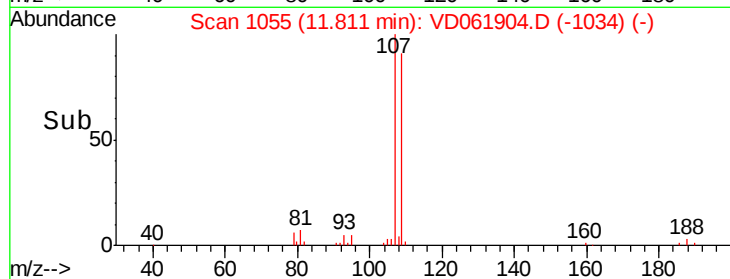
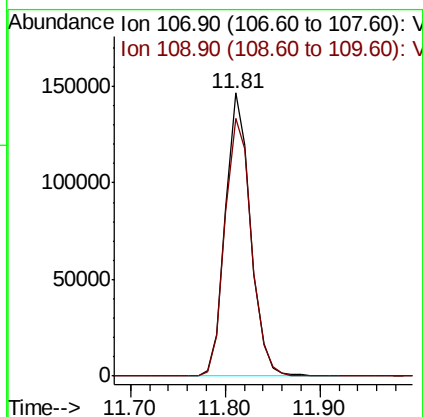
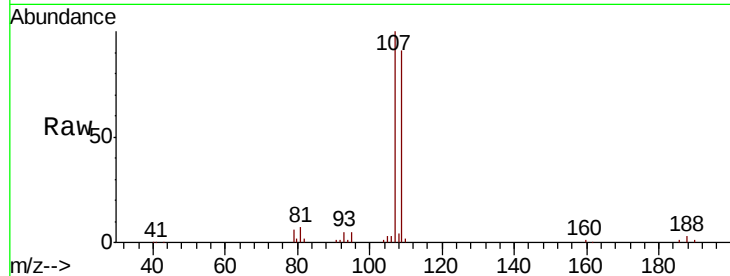




#61
 1,2-Dibromoethane
 Concen: 48.773 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

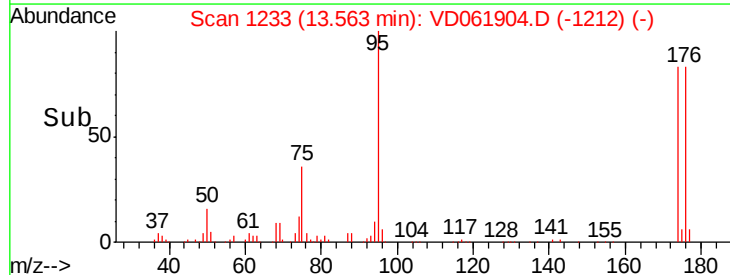
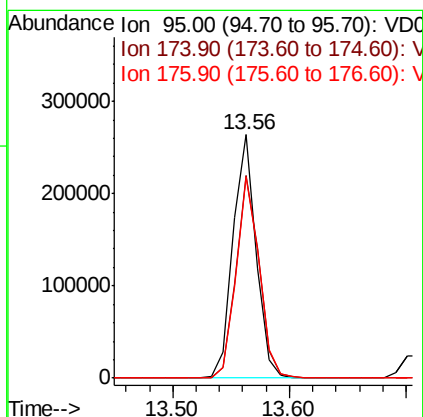
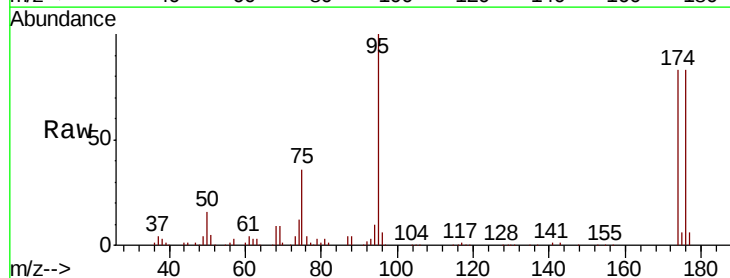
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

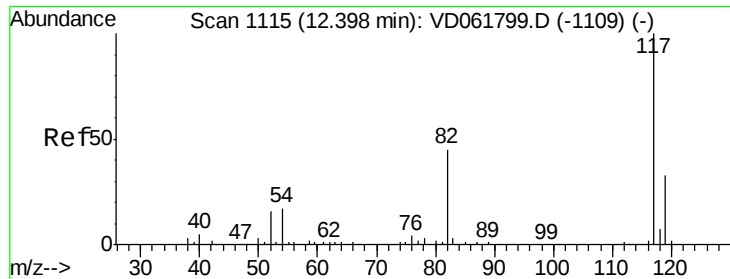
Tgt Ion: 107 Resp: 269091
 Ion Ratio Lower Upper
 107 100
 109 91.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 48.773 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 95 Resp: 361206
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 181.8
 176 82.6 0.0 174.4

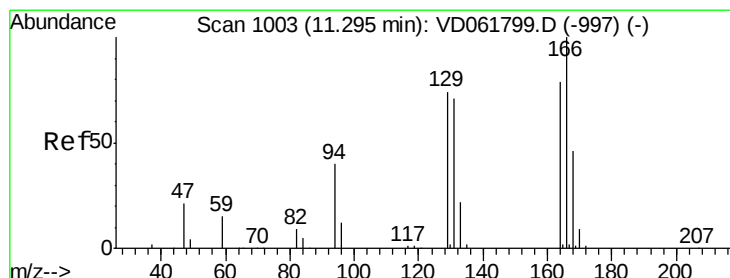
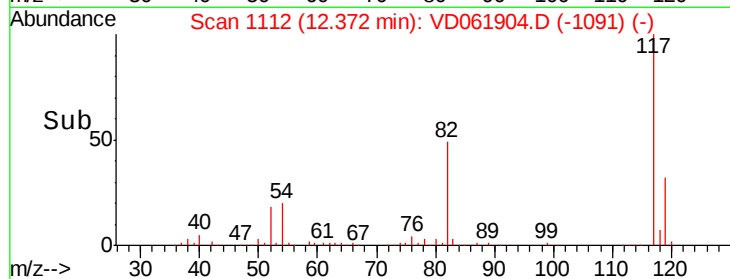
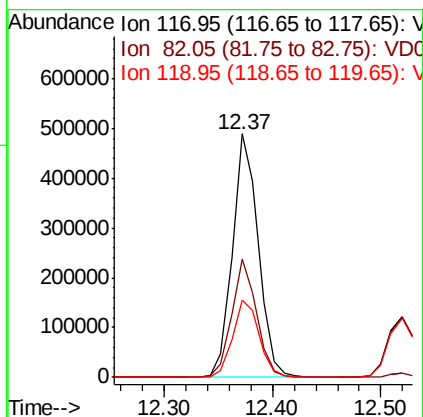
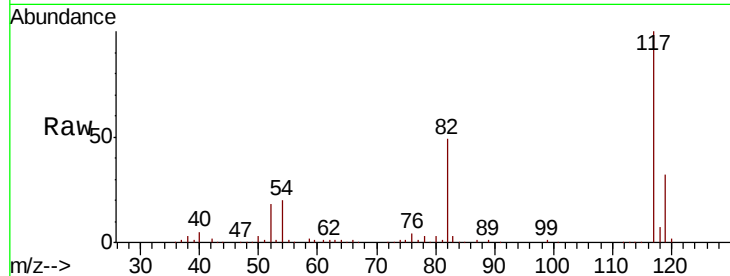




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

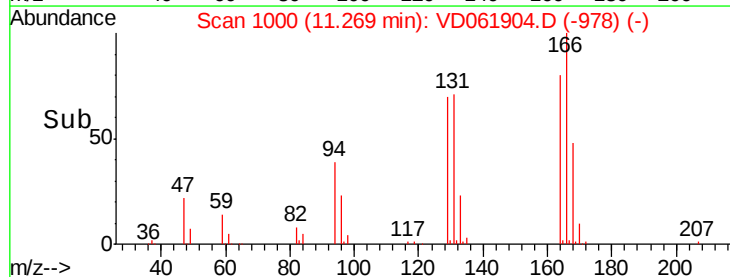
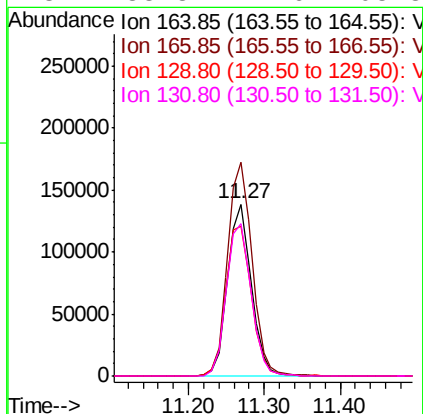
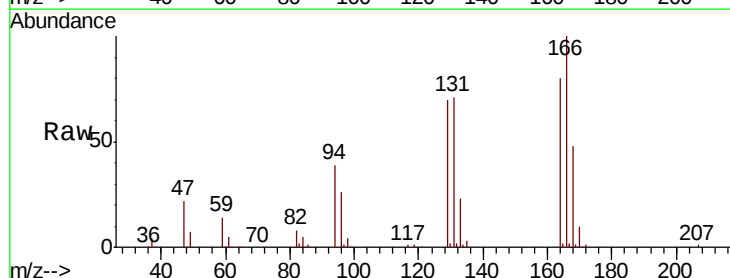
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

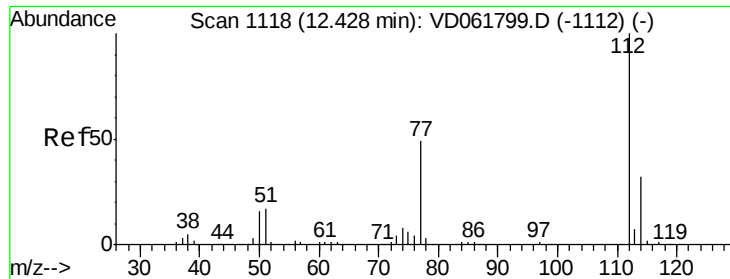
Tgt Ion:117 Resp: 810155
Ion Ratio Lower Upper
117 100
82 48.5 36.2 54.2
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 49.142 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion:164 Resp: 298579
Ion Ratio Lower Upper
164 100
166 124.3 101.5 152.3
129 87.5 74.6 112.0
131 88.8 72.6 108.8

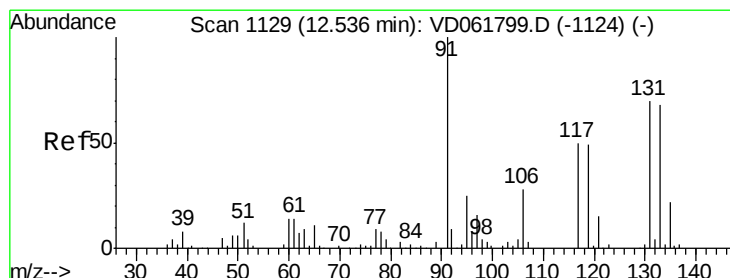
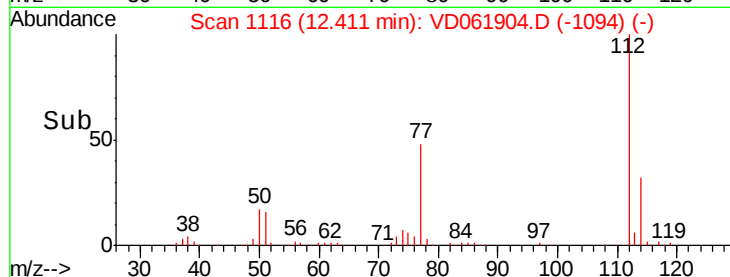
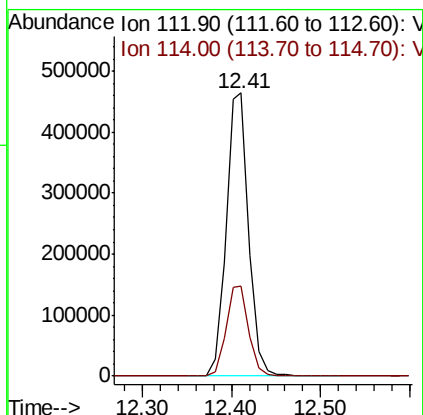
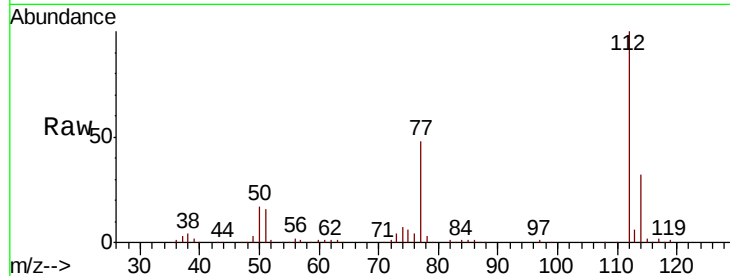




#65
Chlorobenzene
Concen: 54.397 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

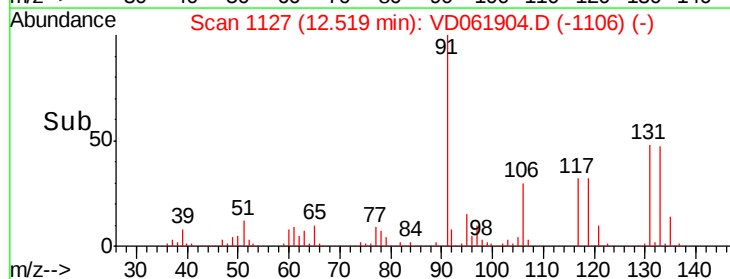
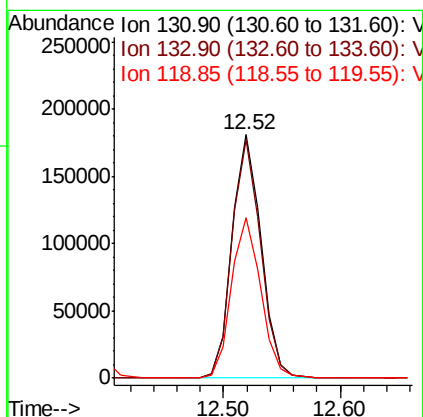
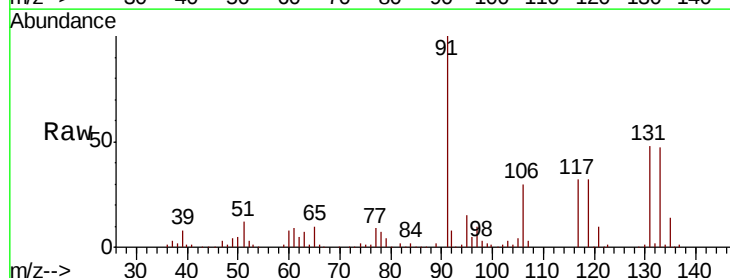
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

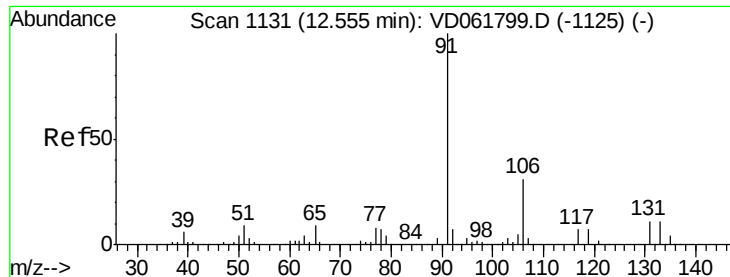
Tgt Ion:112 Resp: 820732
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.518 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion:131 Resp: 313092
Ion Ratio Lower Upper
131 100
133 97.9 48.6 145.8
119 65.9 34.7 104.1

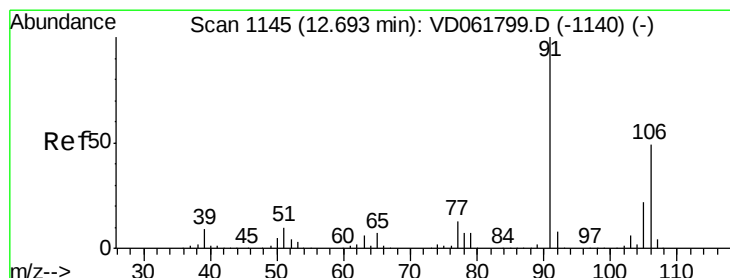
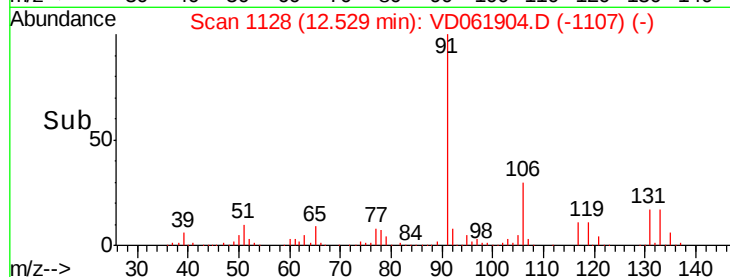
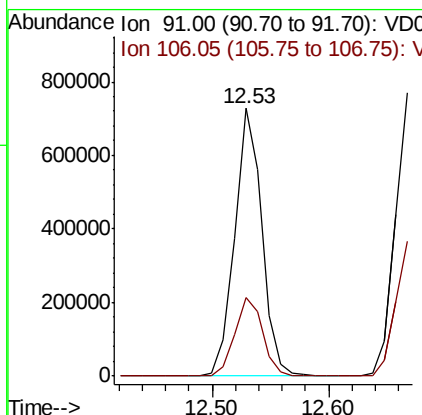
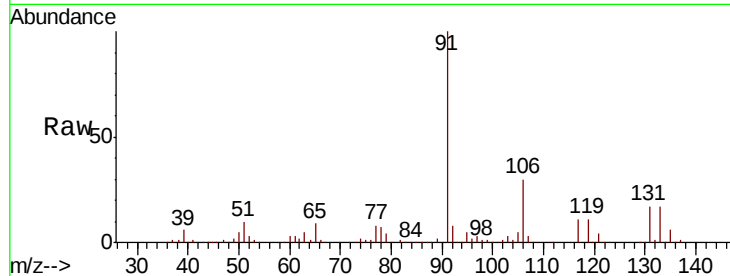




#67
 Ethyl Benzene
 Concen: 48.592 ug/l
 RT: 12.53 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

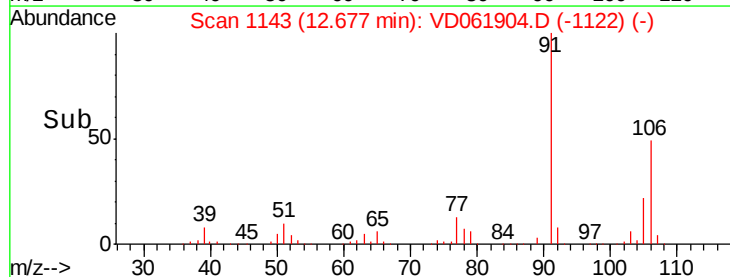
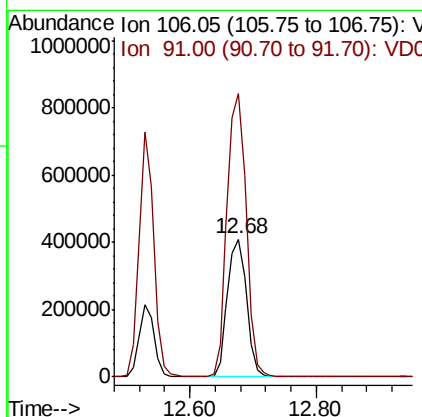
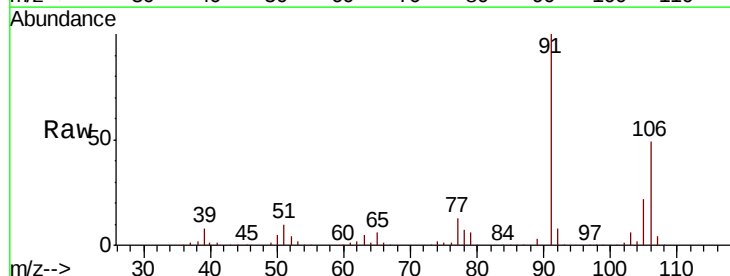
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

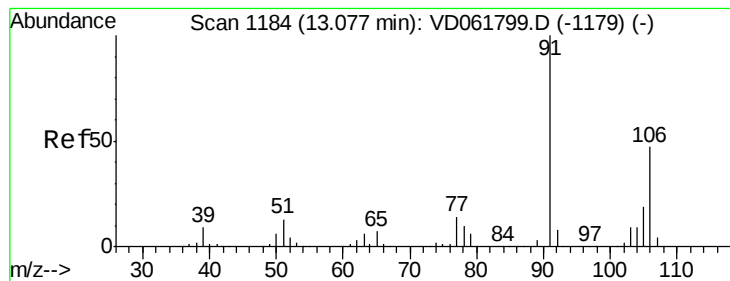
Tgt Ion: 91 Resp: 1174096
 Ion Ratio Lower Upper
 91 100
 106 29.5 24.7 37.1



#68
 m/p-Xylenes
 Concen: 94.782 ug/l
 RT: 12.68 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 106 Resp: 860243
 Ion Ratio Lower Upper
 106 100
 91 205.2 164.0 246.0





#69

o-Xylene

Concen: 50.682 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

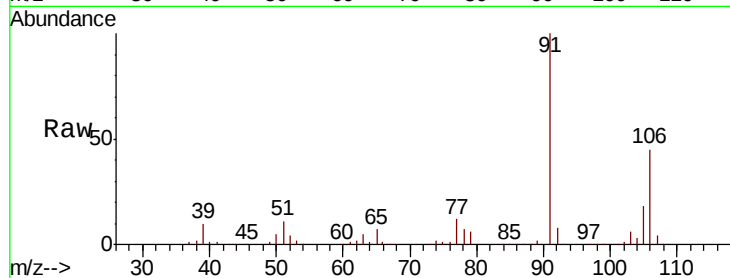
VSTDCCC050

Tgt Ion:106 Resp: 432354

Ion Ratio Lower Upper

106 100

91 219.9 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

600000

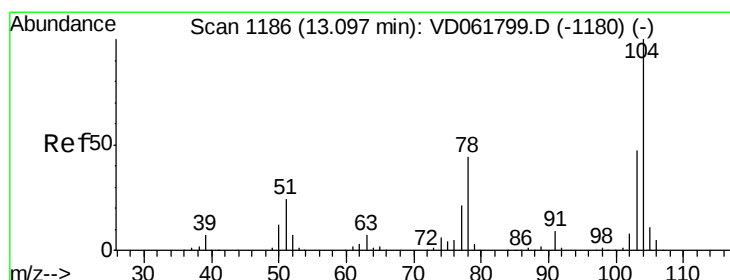
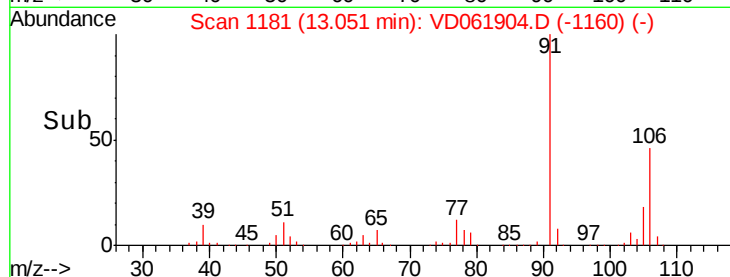
400000

200000

0

13.05

Time-->



#70

Styrene

Concen: 48.286 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

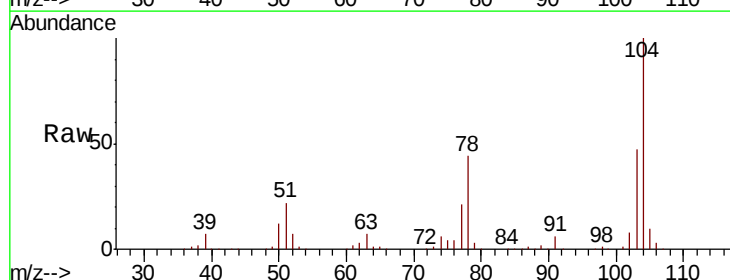
Tgt Ion:104 Resp: 708853

Ion Ratio Lower Upper

104 100

78 43.7 35.4 53.2

103 47.1 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V

600000

500000

400000

300000

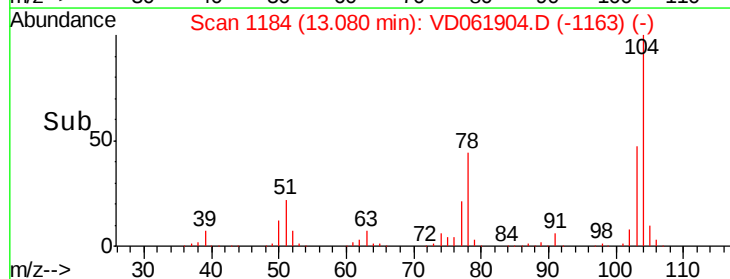
200000

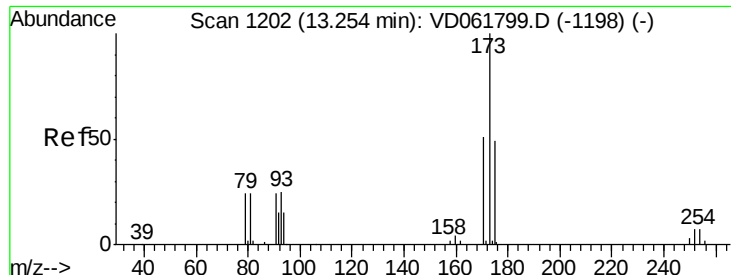
100000

0

13.08

Time-->

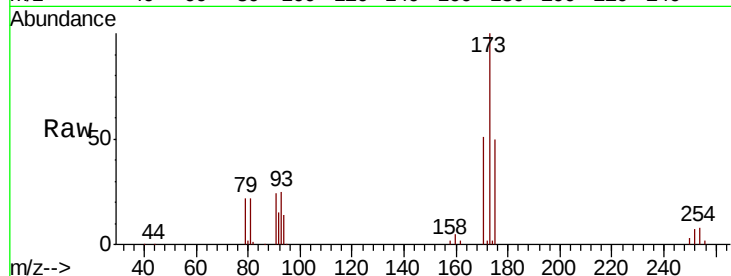




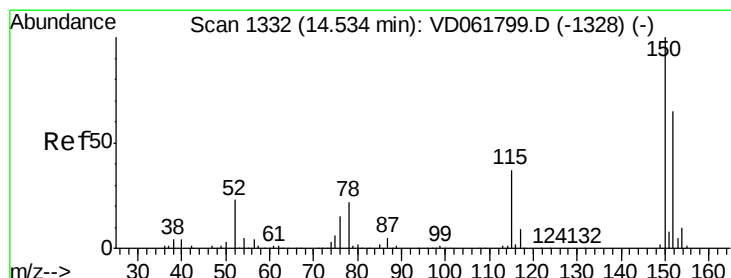
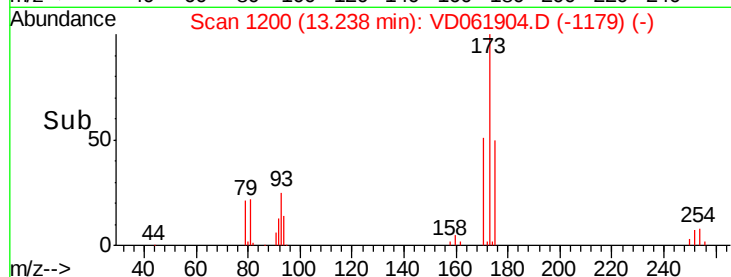
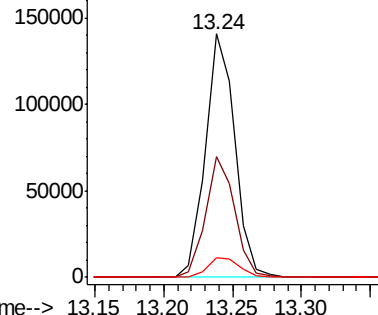
#71
Bromoform
Concen: 55.650 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 208858
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 7.8 5.4 8.2

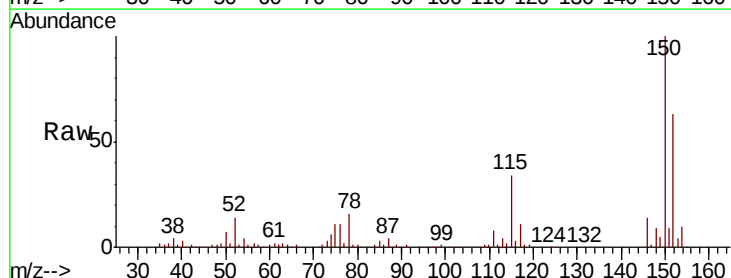


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

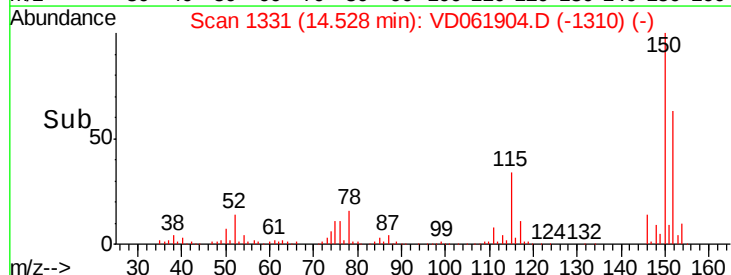
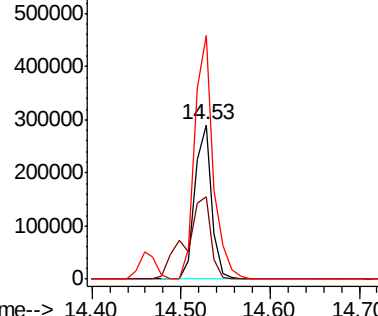


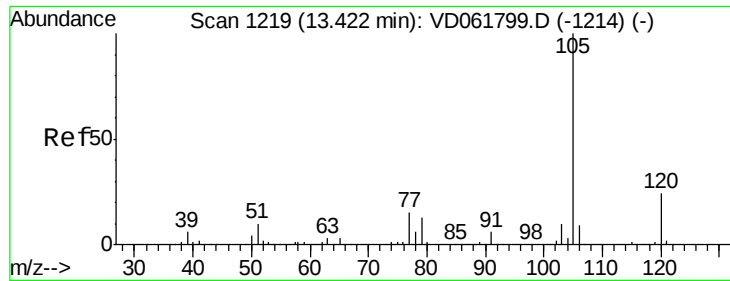
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion:152 Resp: 386945
Ion Ratio Lower Upper
152 100
115 53.1 30.9 92.7
150 157.9 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: 46.664 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

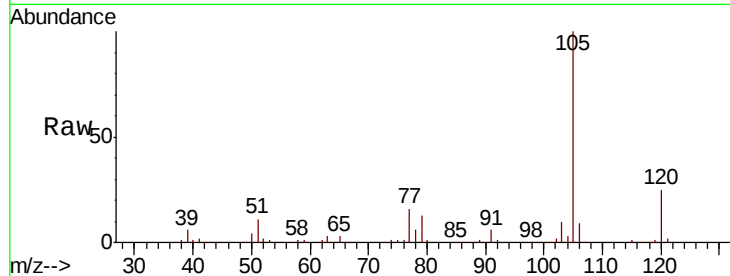
VSTDCCC050

Tgt Ion:105 Resp: 1171025

Ion Ratio Lower Upper

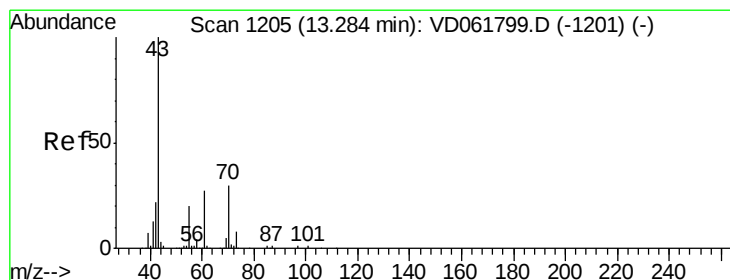
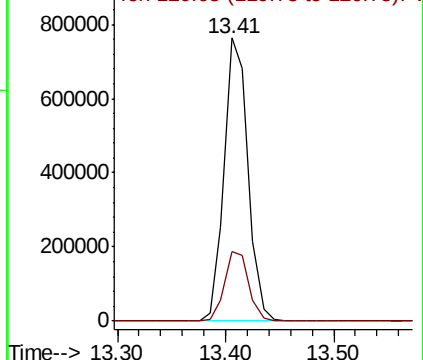
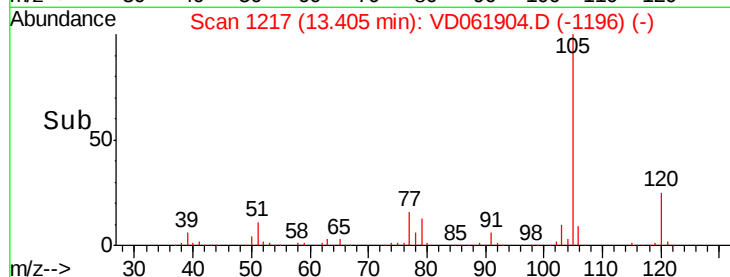
105 100

120 24.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.760 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Tgt Ion: 43 Resp: 329039

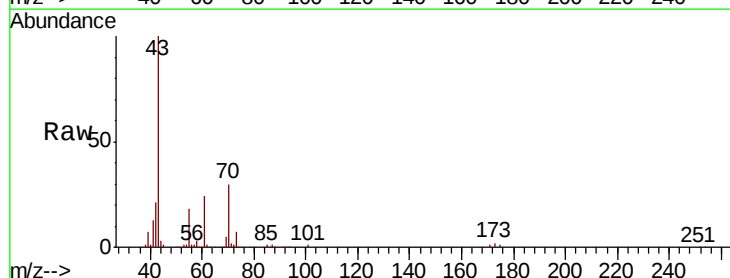
Ion Ratio Lower Upper

43 100

70 29.7 24.2 36.4

55 17.9 16.0 24.0

61 24.2 21.6 32.4

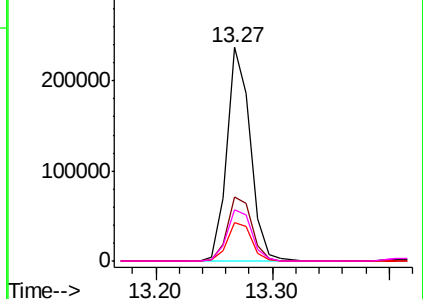
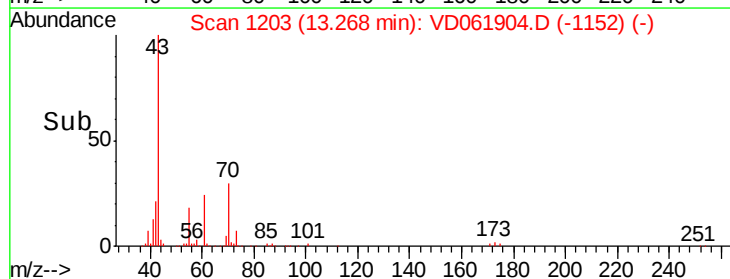


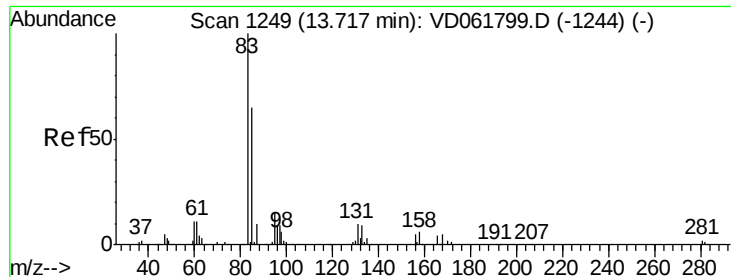
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.847 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

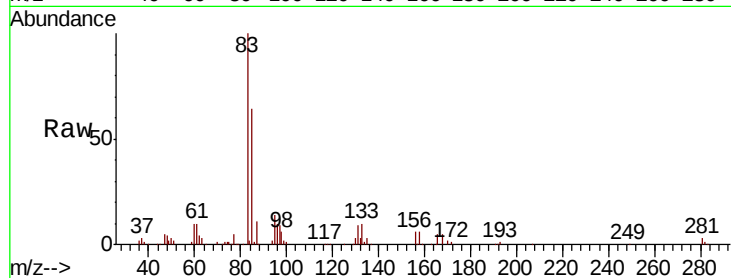
Tgt Ion: 83 Resp: 262139

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

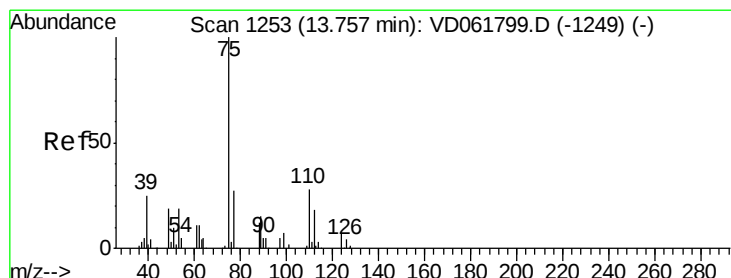
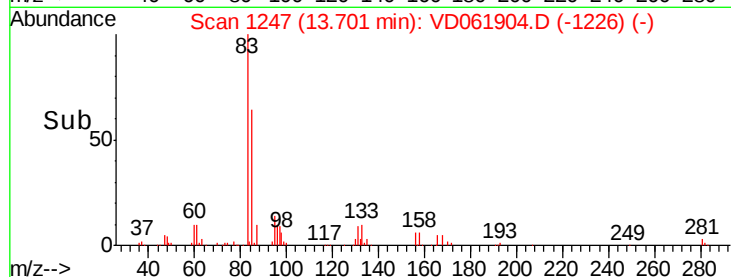
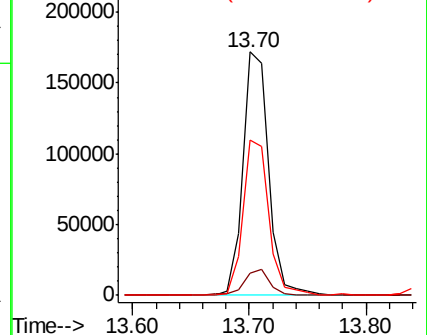
85 63.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.890 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061904.D

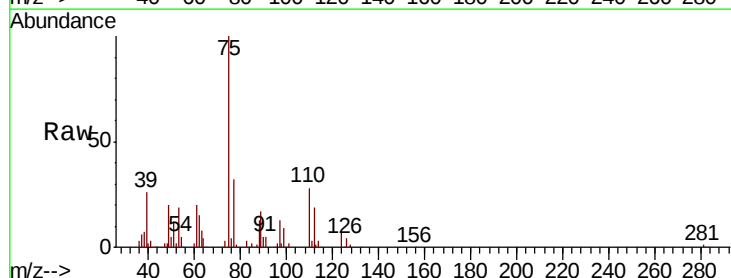
Acq: 19 Apr 2019 12:01

Tgt Ion: 75 Resp: 263685

Ion Ratio Lower Upper

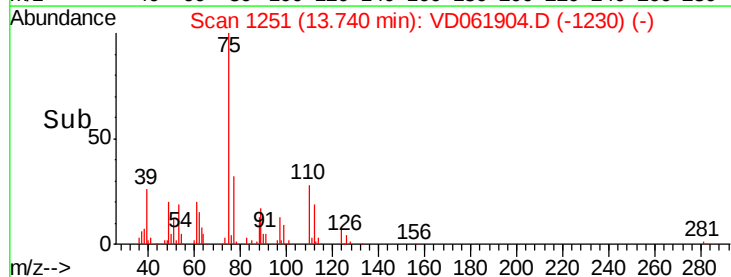
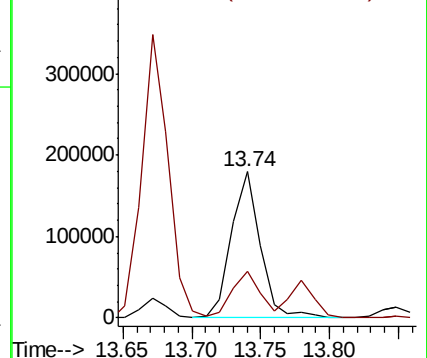
75 100

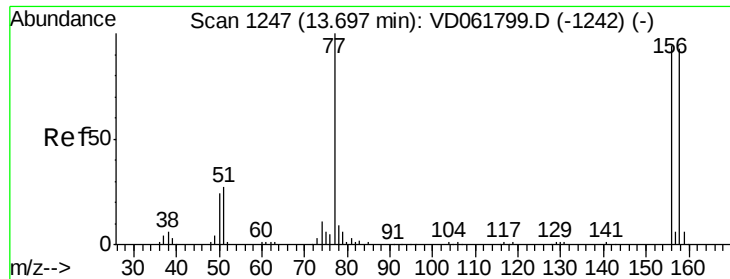
77 32.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.264 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

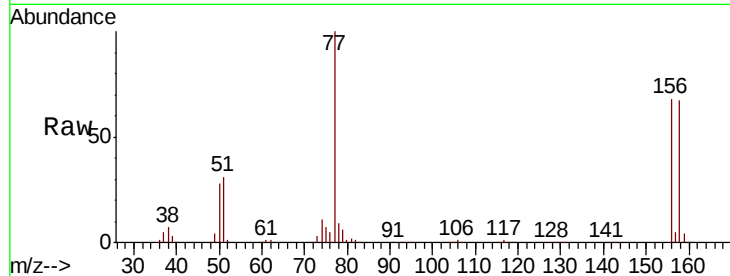
Tgt Ion:156 Resp: 365431

Ion Ratio Lower Upper

156 100

77 146.3 53.1 159.4

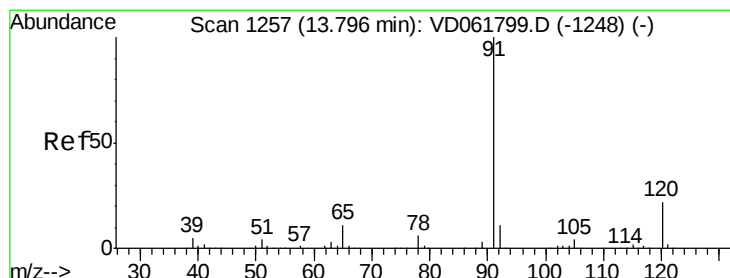
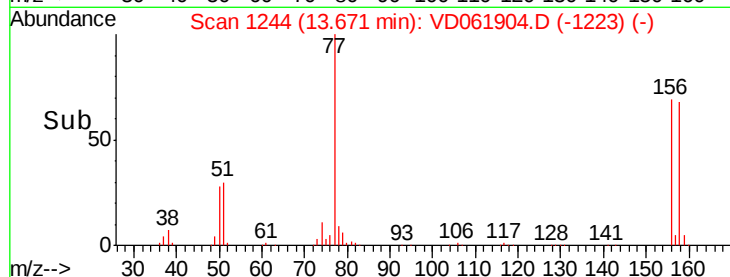
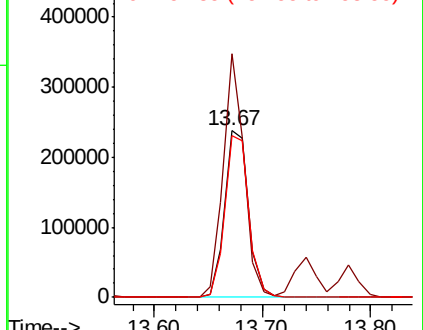
158 97.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.175 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061904.D

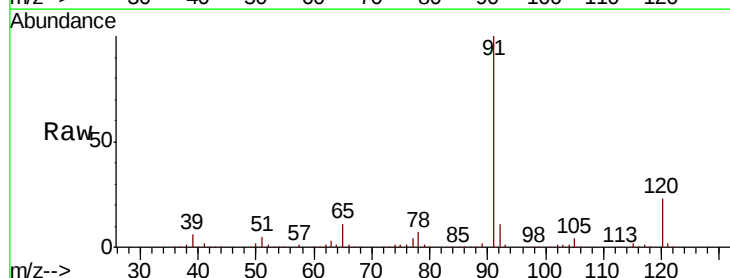
Acq: 19 Apr 2019 12:01

Tgt Ion: 91 Resp: 1541714

Ion Ratio Lower Upper

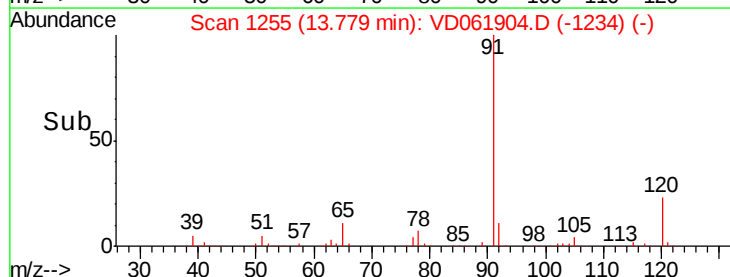
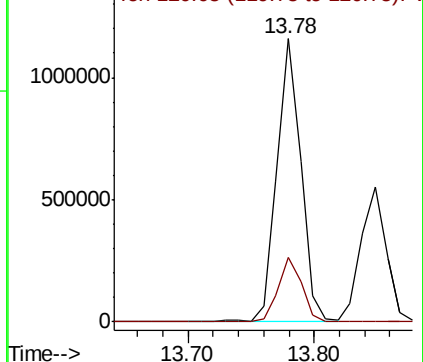
91 100

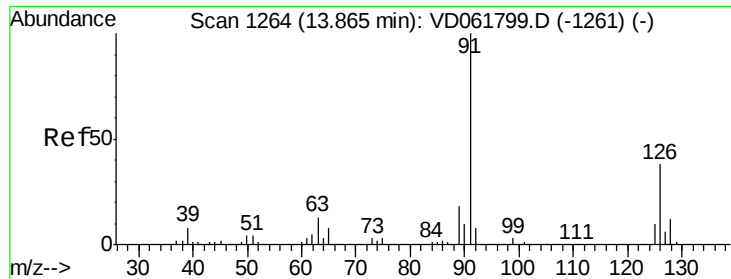
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

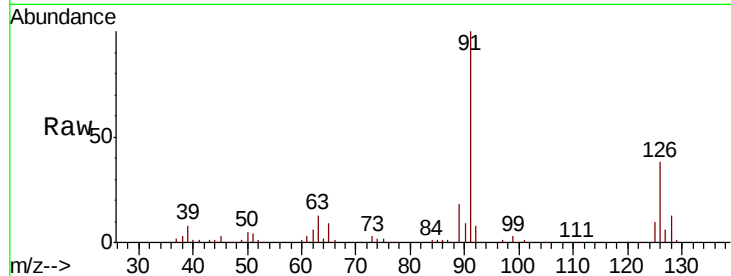




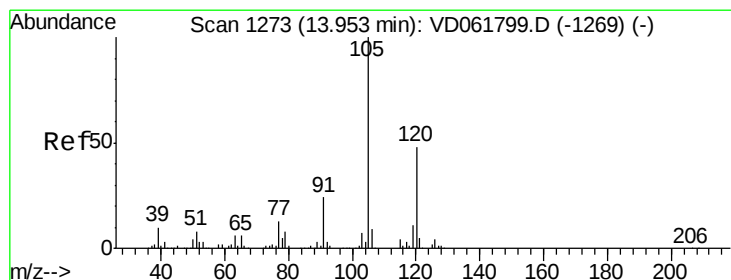
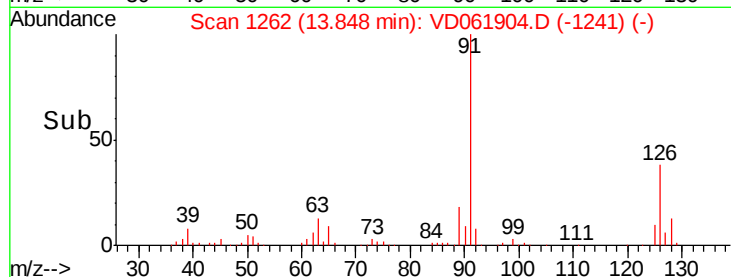
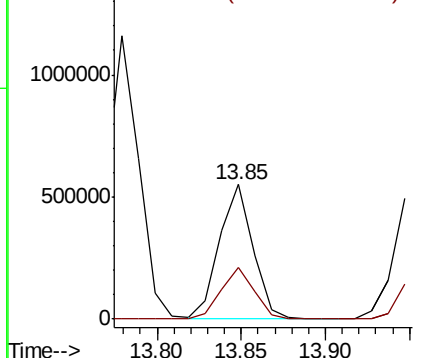
#79
 2-Chlorotoluene
 Concen: 45.097 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 763815
 Ion Ratio Lower Upper
 91 100
 126 38.4 18.6 55.8

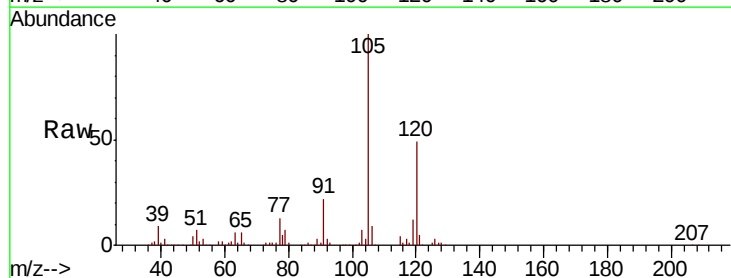


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

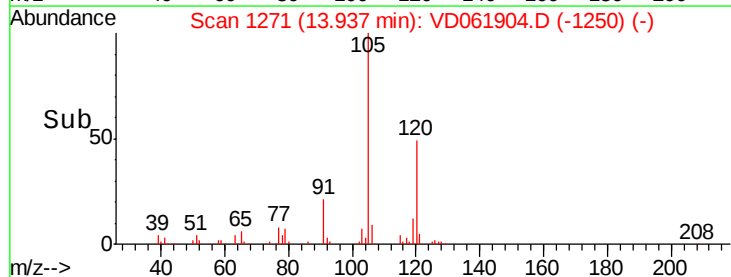
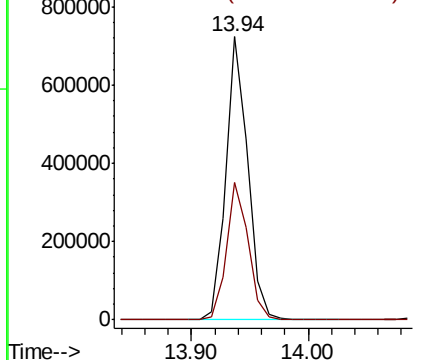


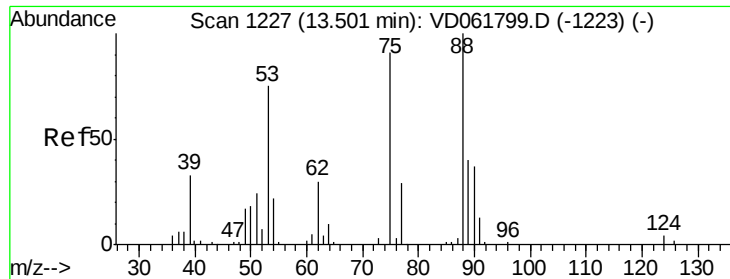
#80
 1,3,5-Trimethylbenzene
 Concen: 46.871 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 105 Resp: 933282
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.826 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

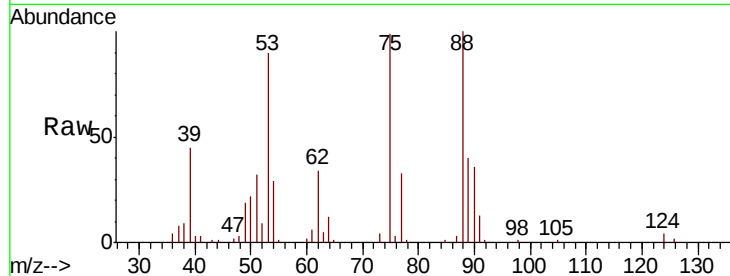
Tgt Ion: 75 Resp: 74990

Ion Ratio Lower Upper

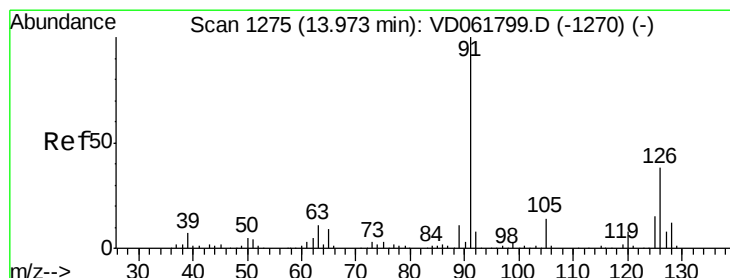
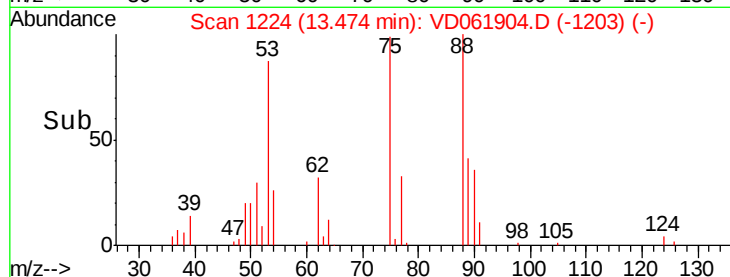
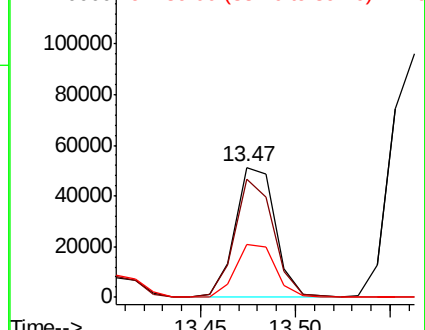
75 100

53 91.1 65.8 98.8

89 40.8 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.749 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061904.D

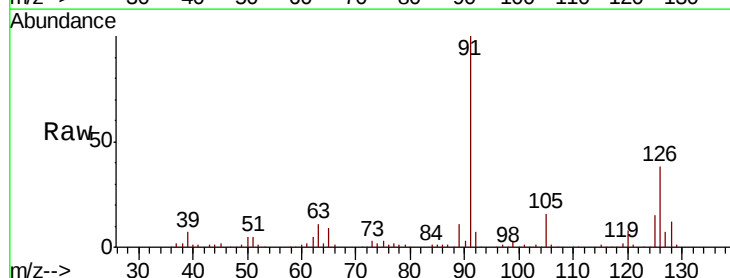
Acq: 19 Apr 2019 12:01

Tgt Ion: 91 Resp: 906300

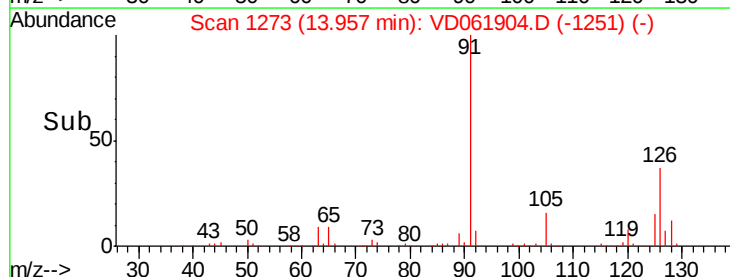
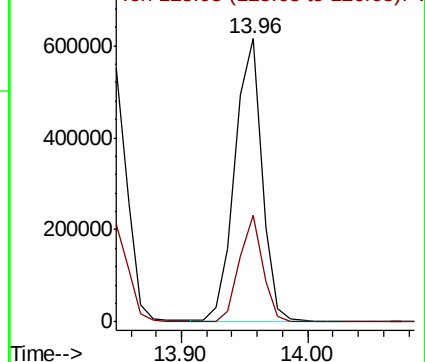
Ion Ratio Lower Upper

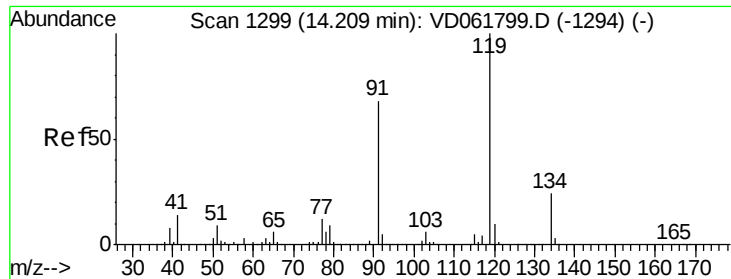
91 100

126 37.6 19.1 57.5



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

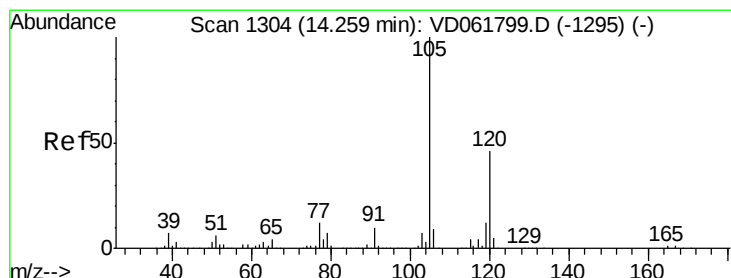
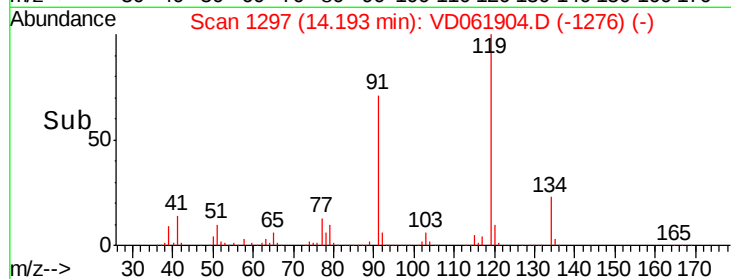
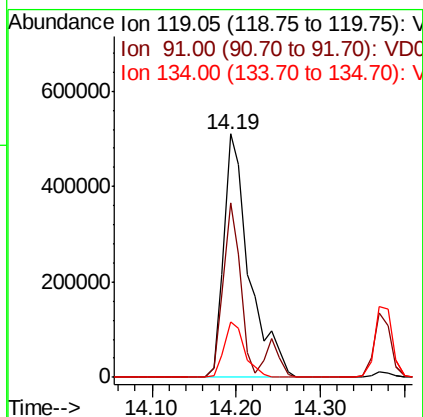
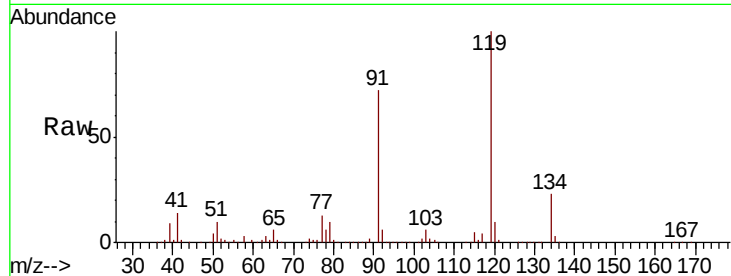




#83
 tert-Butylbenzene
 Concen: 46.088 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

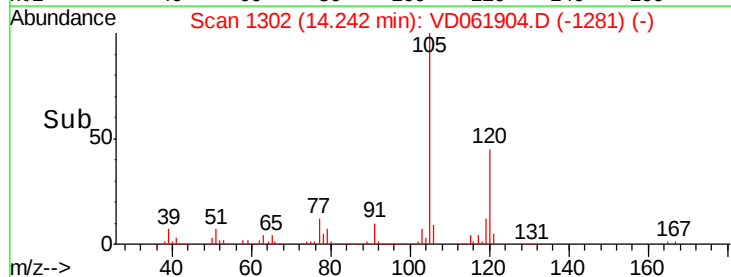
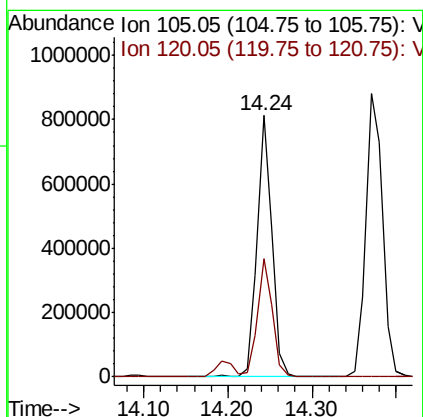
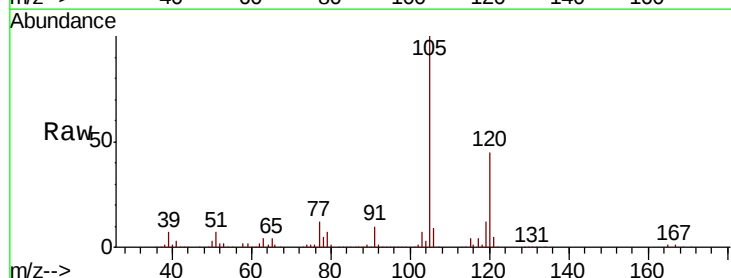
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

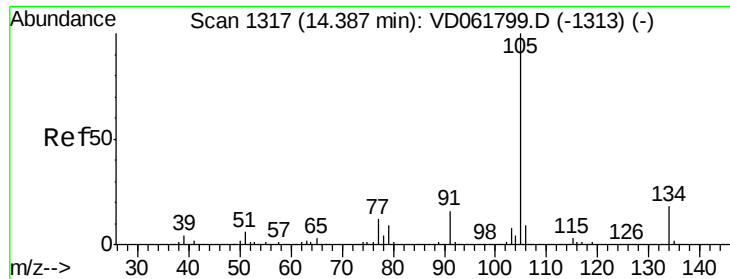
Tgt Ion:119 Resp: 1077533
 Ion Ratio Lower Upper
 119 100
 91 71.8 34.2 102.6
 134 22.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.490 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion:105 Resp: 1010565
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2

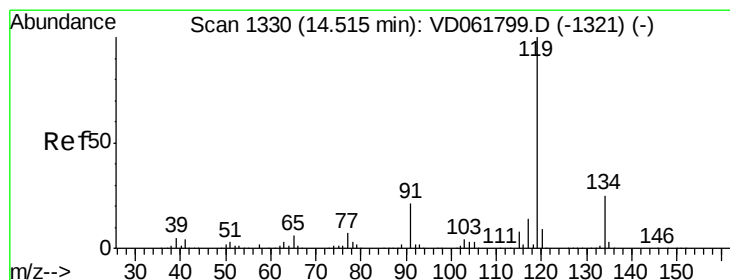
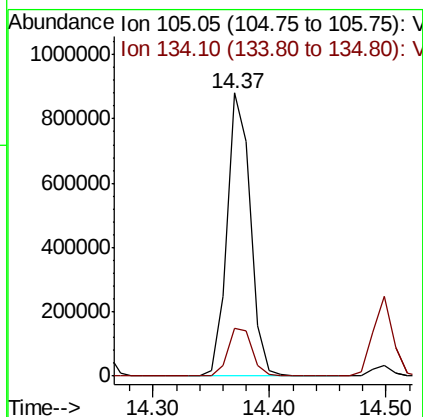
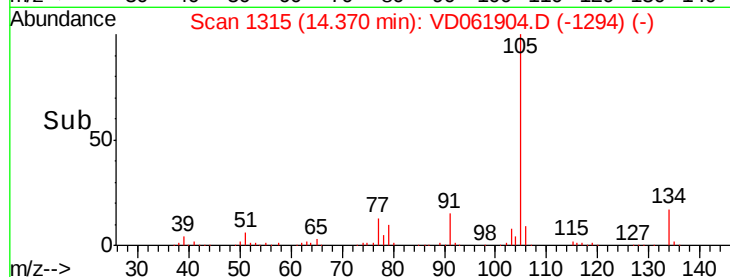
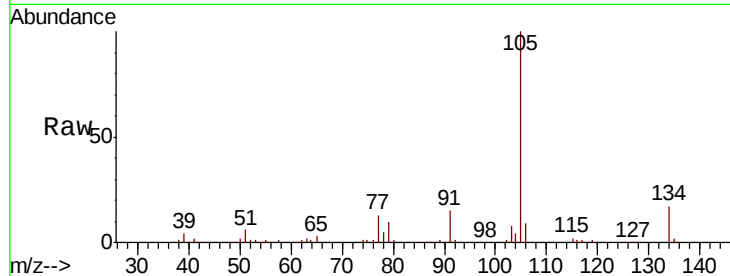




#85
sec-Butylbenzene
Concen: 50.310 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

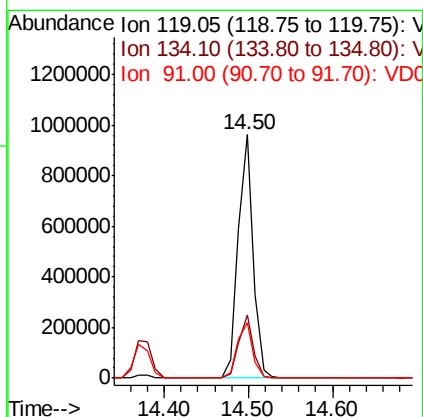
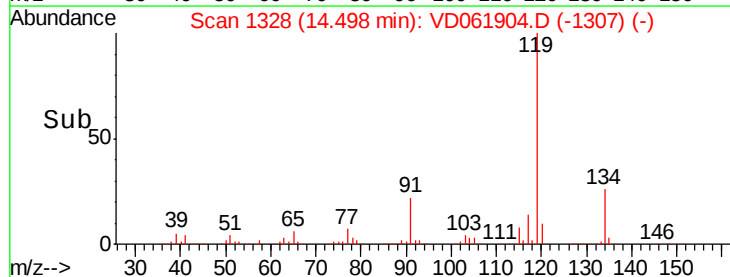
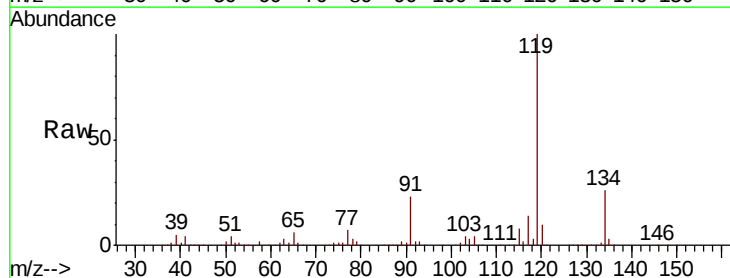
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

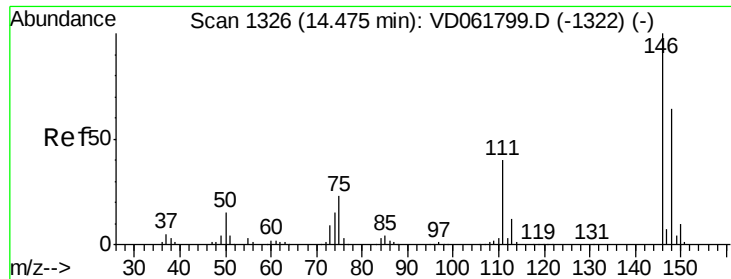
Tgt Ion:105 Resp: 1215974
Ion Ratio Lower Upper
105 100
134 16.9 8.9 26.7



#86
p-Isopropyltoluene
Concen: 52.467 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion:119 Resp: 1186499
Ion Ratio Lower Upper
119 100
134 25.9 12.8 38.3
91 22.6 10.7 32.1

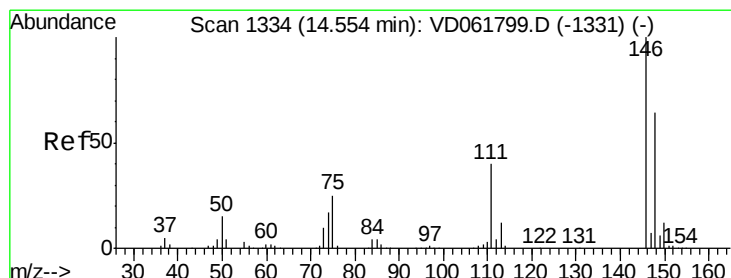
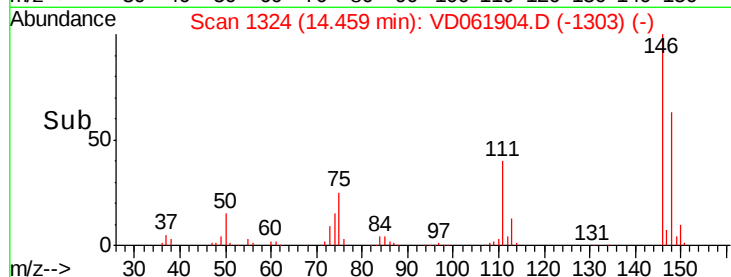
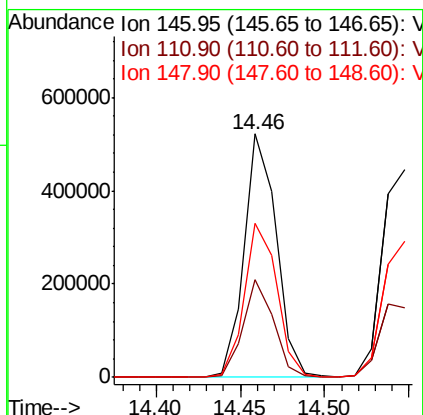
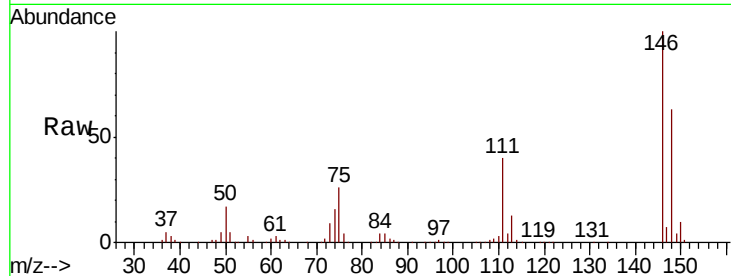




#87
 1,3-Dichlorobenzene
 Concen: 55.714 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

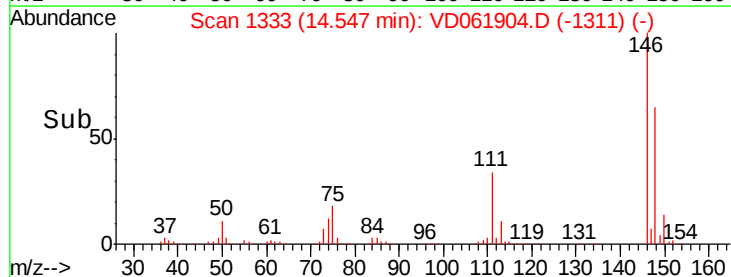
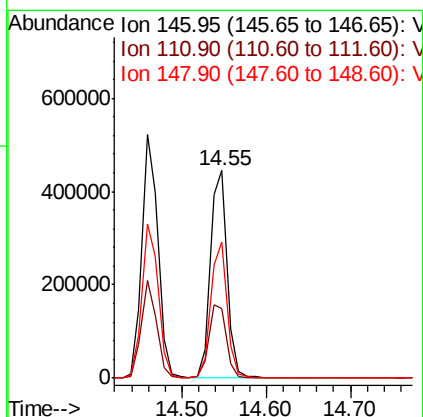
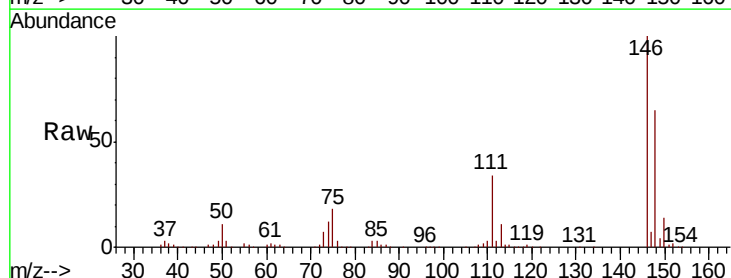
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

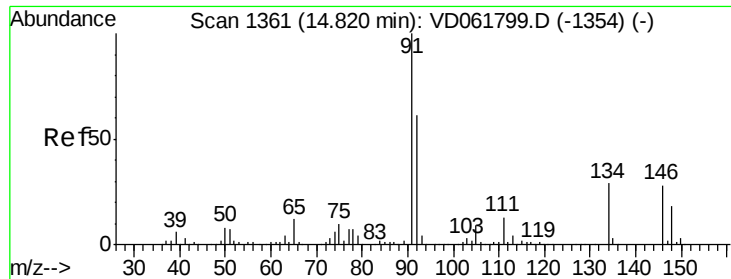
Tgt Ion:146 Resp: 693336
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.600 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion:146 Resp: 610157
 Ion Ratio Lower Upper
 146 100
 111 33.5 20.2 60.5
 148 65.2 32.0 96.2

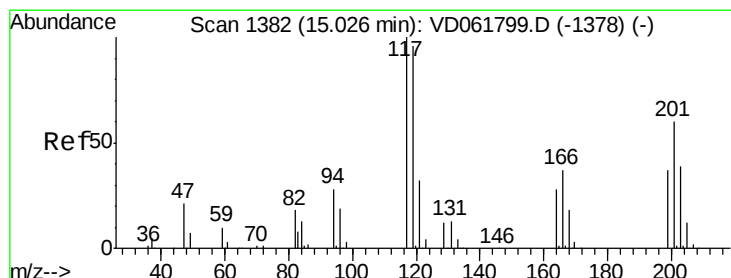
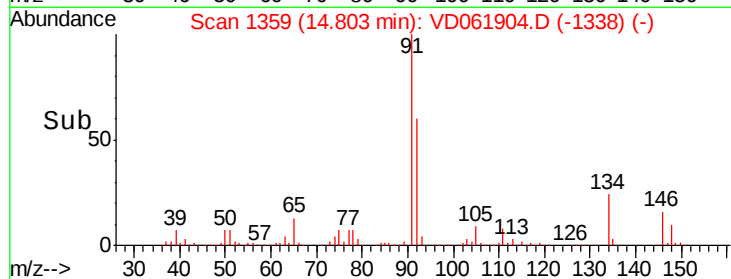
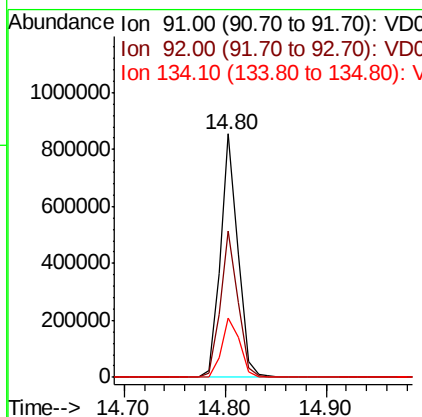
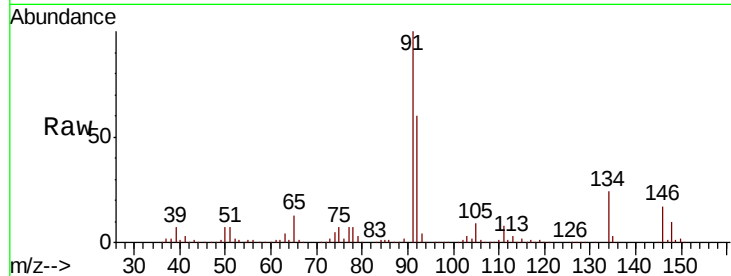




#89
n-Butylbenzene
Concen: 51.897 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

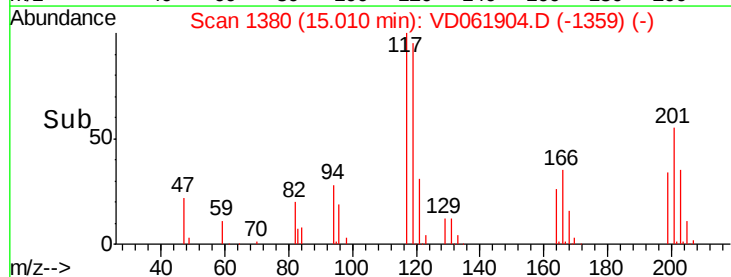
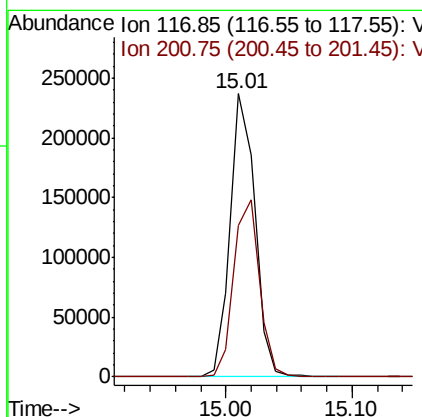
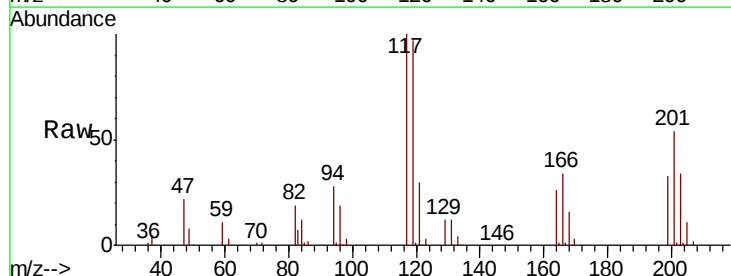
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

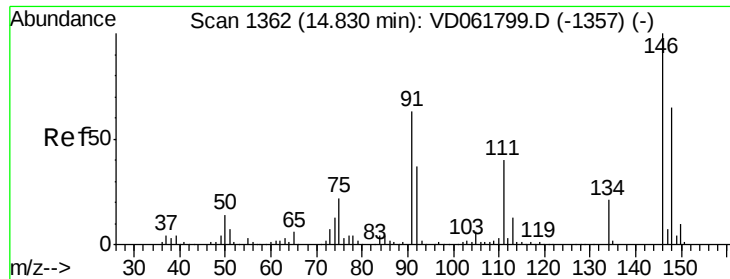
Tgt Ion: 91 Resp: 1038843
Ion Ratio Lower Upper
91 100
92 59.9 30.3 91.0
134 24.4 14.5 43.6



#90
Hexachloroethane
Concen: 52.060 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion: 117 Resp: 320880
Ion Ratio Lower Upper
117 100
201 53.5 30.2 90.6

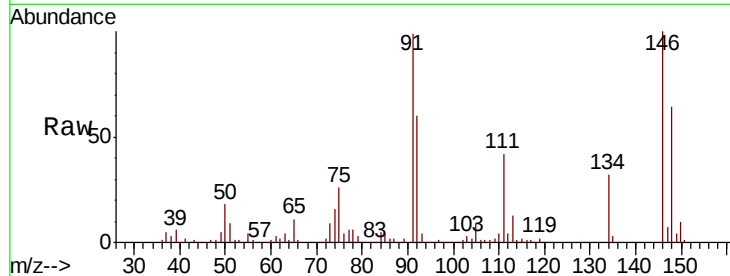




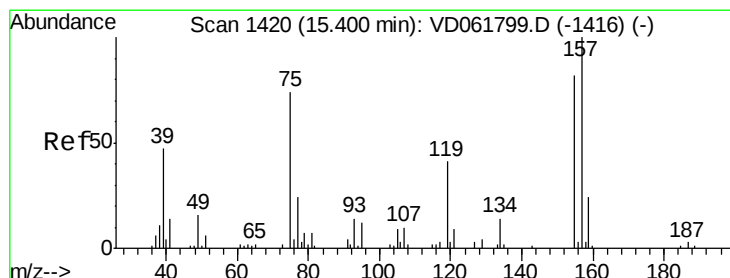
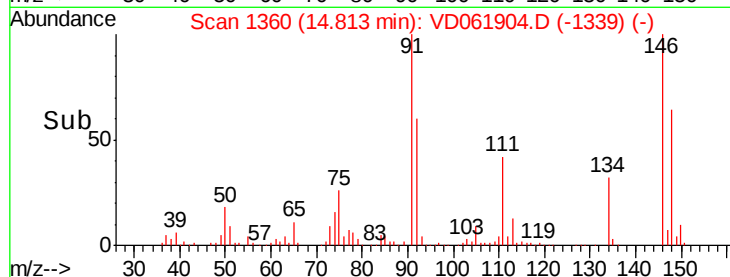
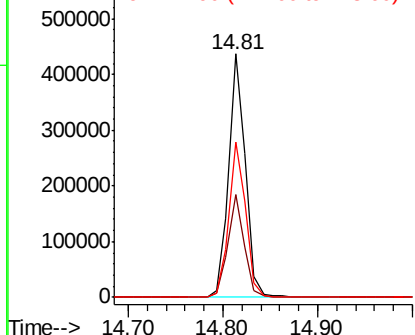
#91
 1,2-Dichlorobenzene
 Concen: 51.245 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 534186
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 59.9
 148 63.9 32.3 96.8

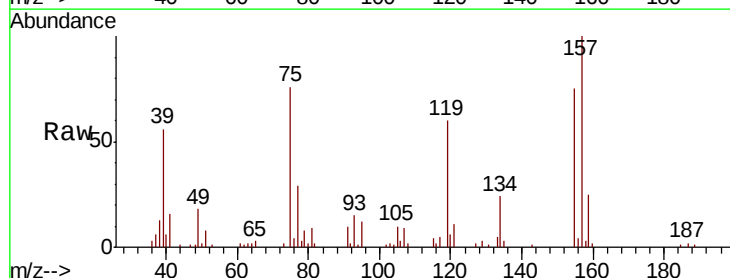


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

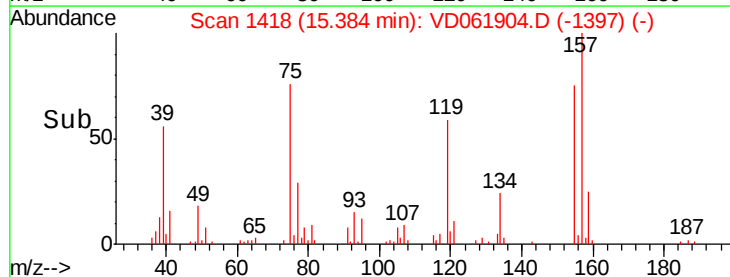
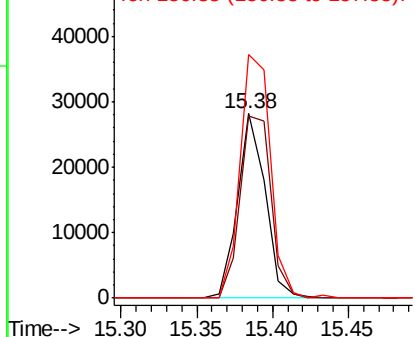


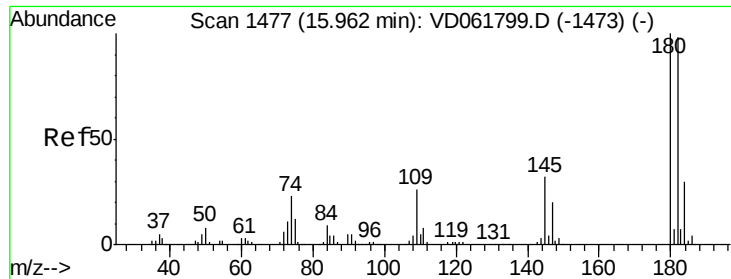
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.866 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion: 75 Resp: 35613
 Ion Ratio Lower Upper
 75 100
 155 98.8 55.3 165.8
 157 132.0 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

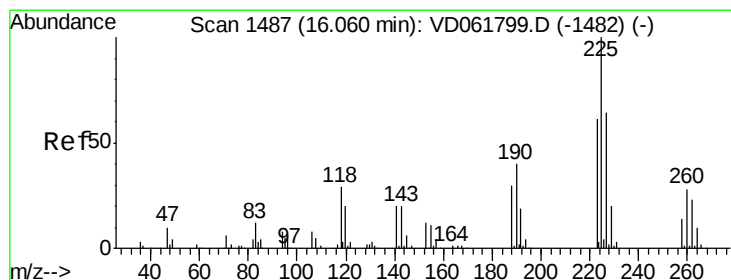
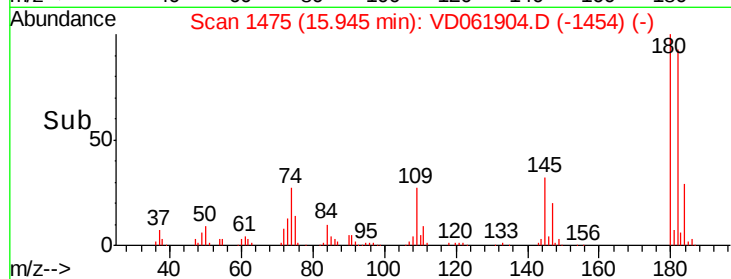
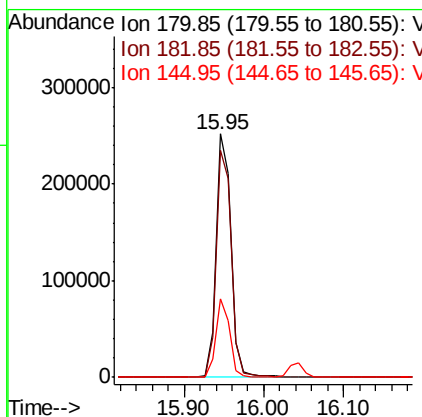
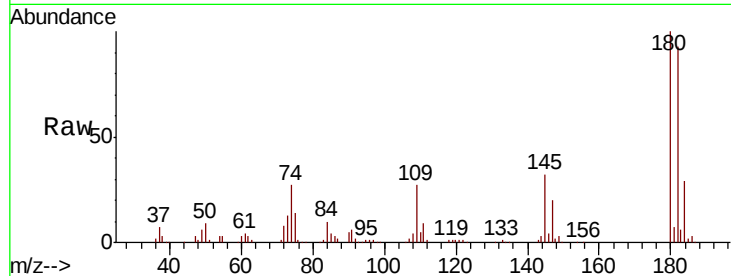




#93
 1,2,4-Trichlorobenzene
 Concen: 58.172 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

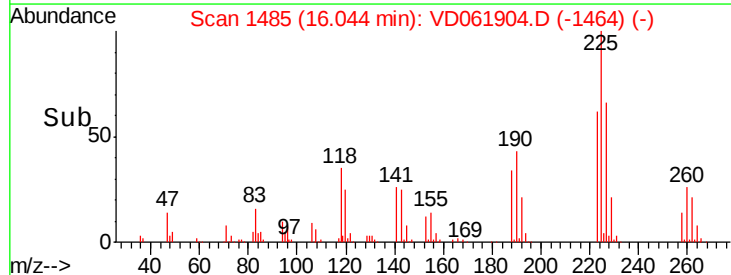
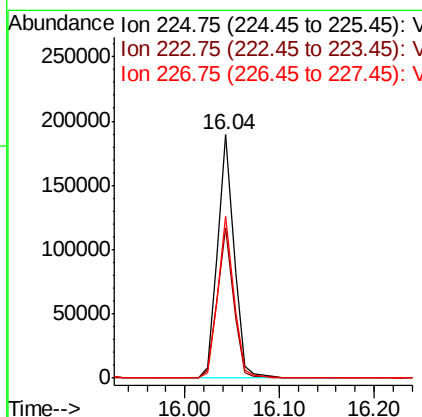
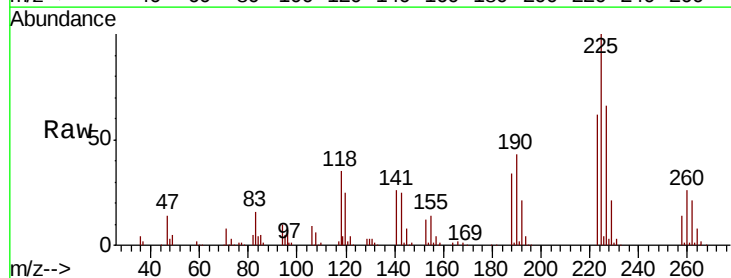
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

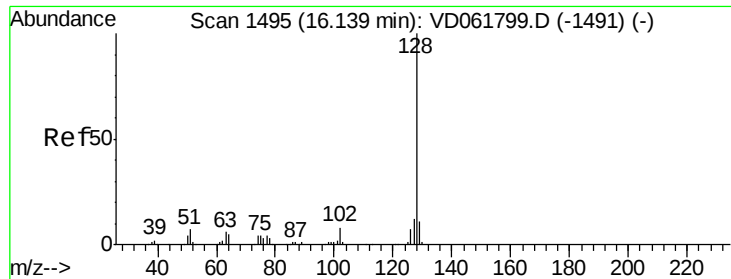
Tgt Ion:180 Resp: 333048
 Ion Ratio Lower Upper
 180 100
 182 93.0 49.3 147.8
 145 32.5 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 55.585 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Tgt Ion:225 Resp: 230623
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.6 92.0
 227 66.3 32.0 96.2

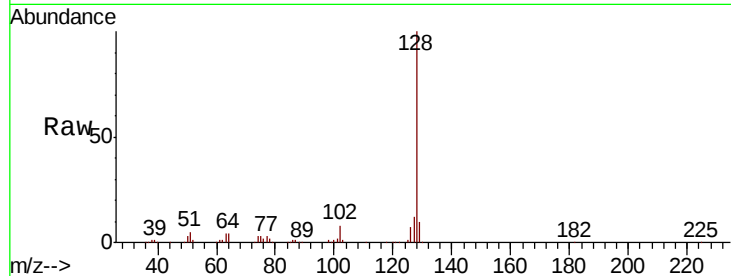




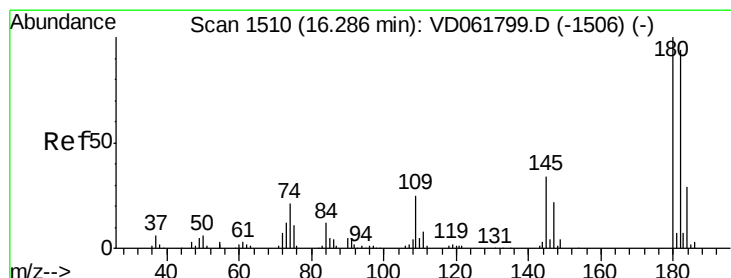
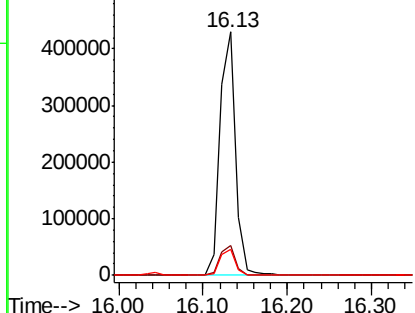
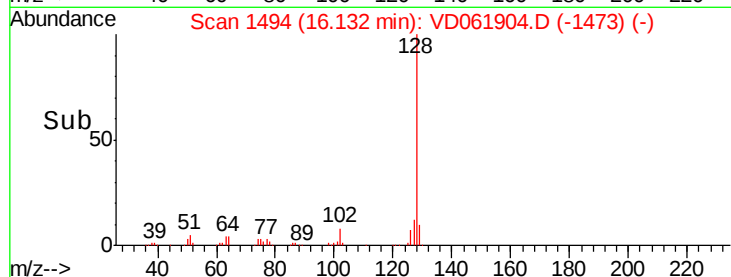
#95
Naphthalene
Concen: 63.006 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 552902
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.5 8.8 13.2

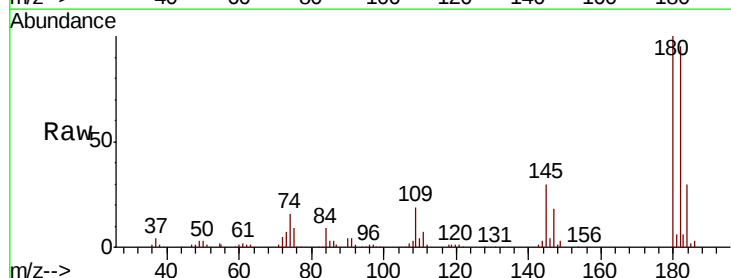


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 70.260 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Tgt Ion:180 Resp: 229232
Ion Ratio Lower Upper
180 100
182 95.0 47.0 141.0
145 30.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

