

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	246957	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	6.93	113	371481	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	10.41	98	842569	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	13.56	95	361206	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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

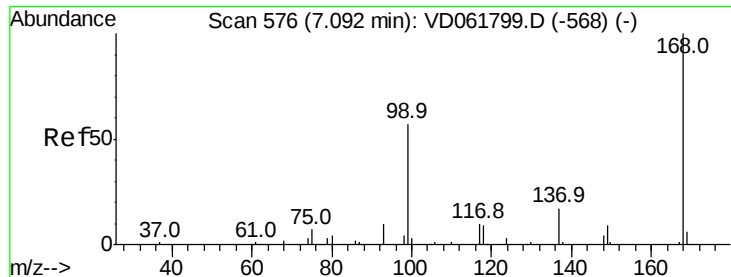
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
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QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

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



#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 :

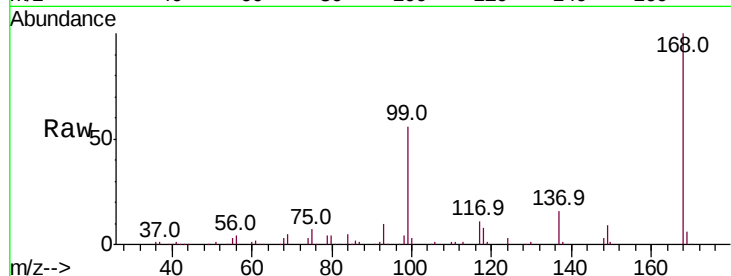
VSTDCCC050

Tot Ion:168 Resp: 641437

Ion Ratio Lower Upper

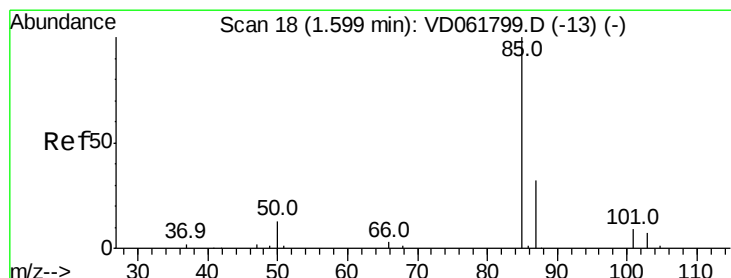
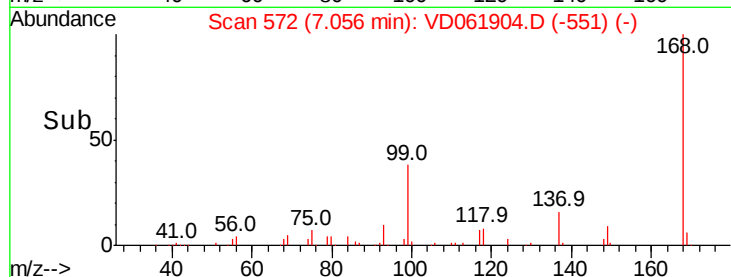
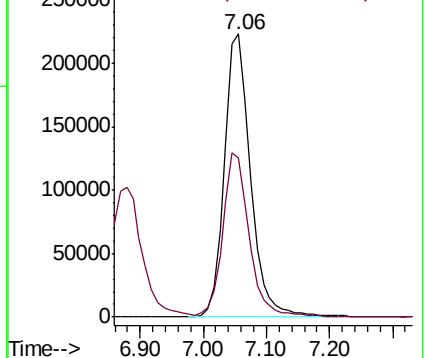
168 100

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



#2

Dichlorodifluoromethane

Concen: 48.688 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061904.D

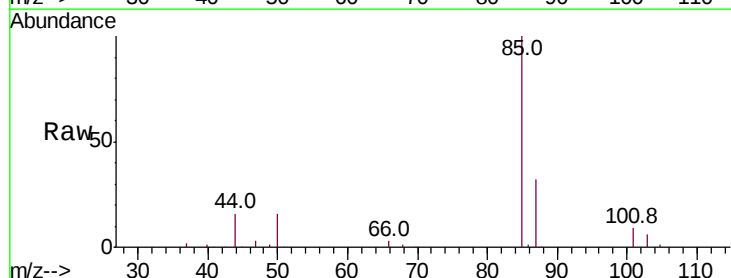
Acq: 19 Apr 2019 12:01

Tgt Ion: 85 Resp: 304819

Ion Ratio Lower Upper

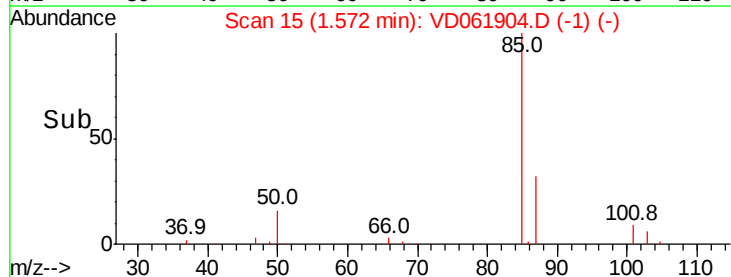
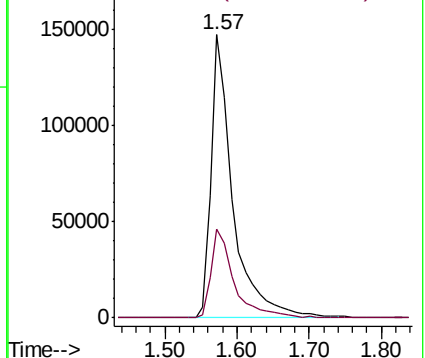
85 100

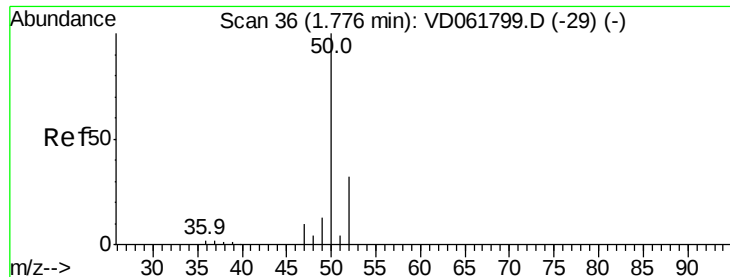
87 31.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

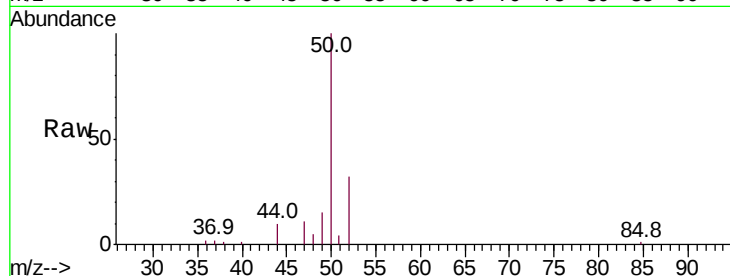
VSTDCCC050

Tot Ion: 50 Resp: 237446

Ion Ratio Lower Upper

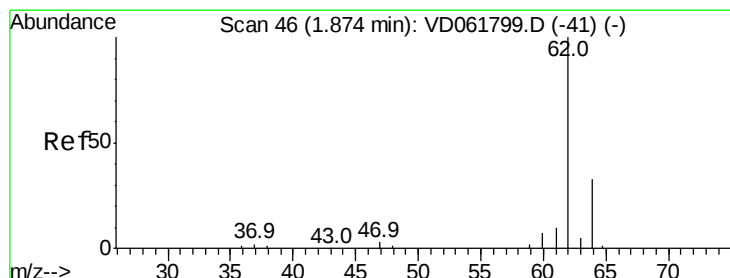
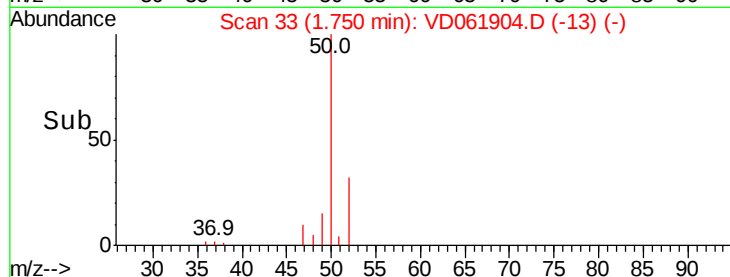
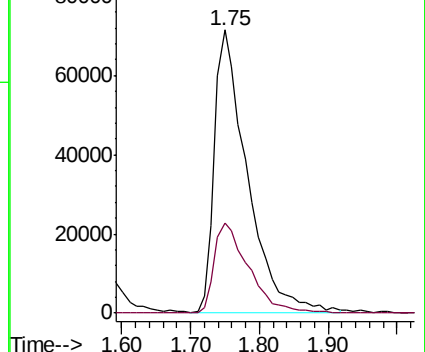
50 100

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

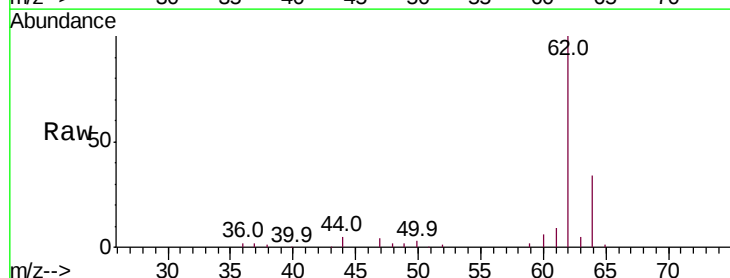
Acq: 19 Apr 2019 12:01

Tgt Ion: 62 Resp: 227688

Ion Ratio Lower Upper

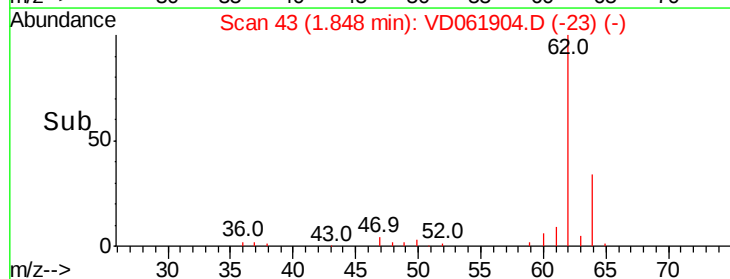
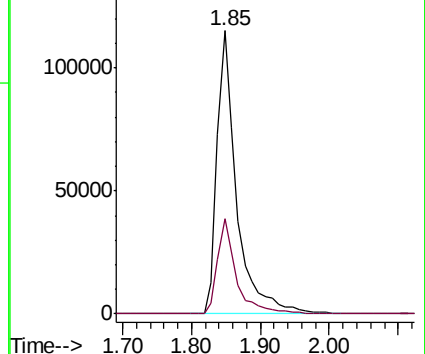
62 100

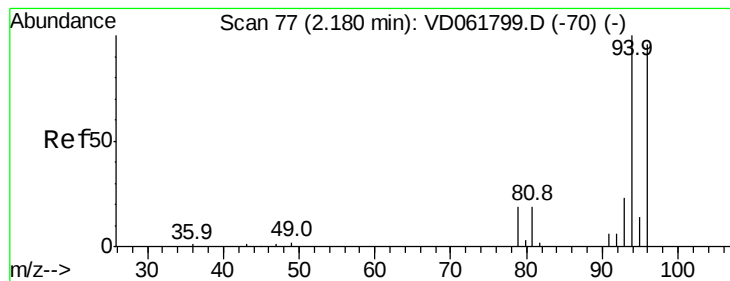
64 33.6 26.5 39.7



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 :

MSVOA_D

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VSTDCCC050

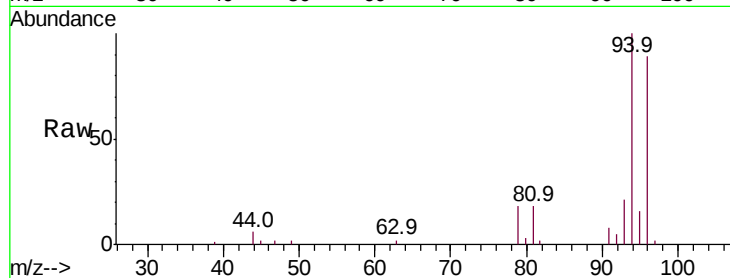
Tot Ion: 94 Resp: 52562

Ion Ratio Lower Upper

94 100

96 88.8 76.6 115.0

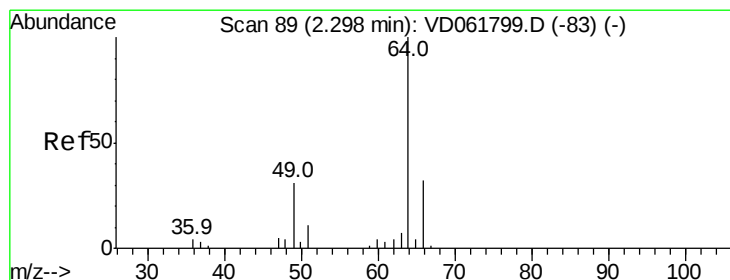
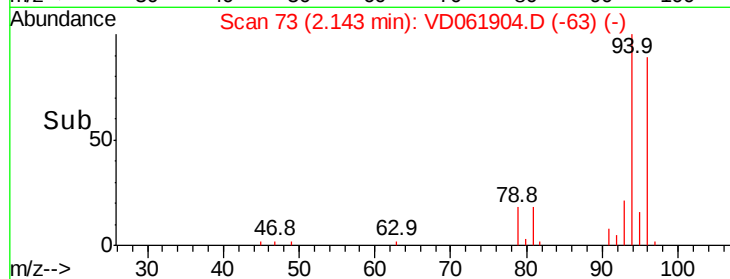
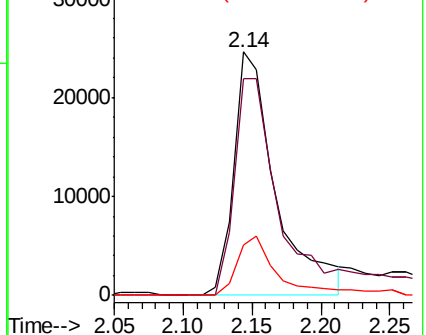
93 20.8 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.393 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061904.D

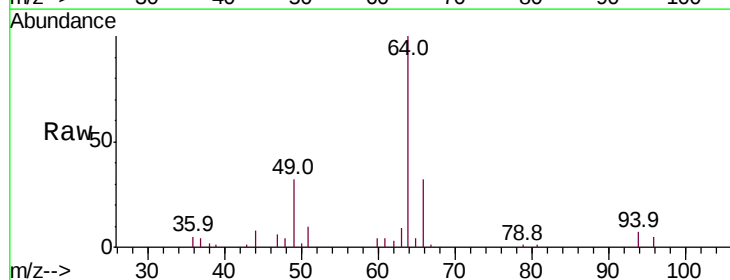
Acq: 19 Apr 2019 12:01

Tgt Ion: 64 Resp: 90195

Ion Ratio Lower Upper

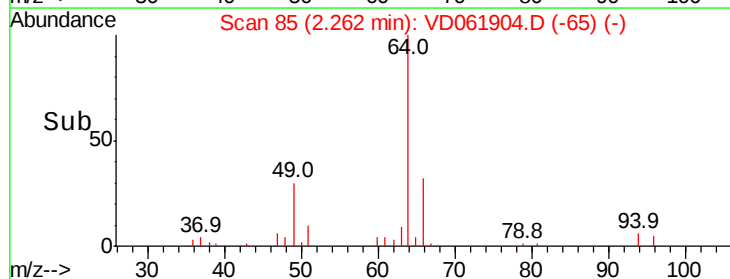
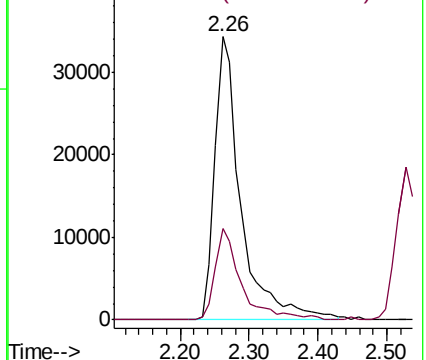
64 100

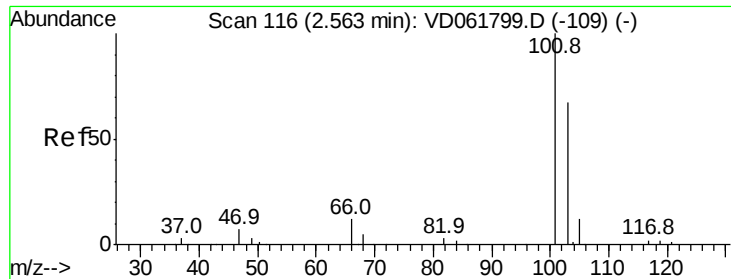
66 32.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



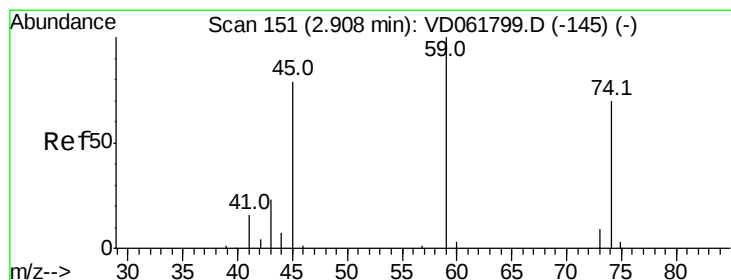
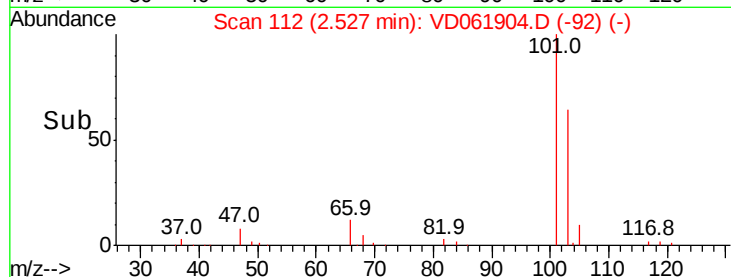
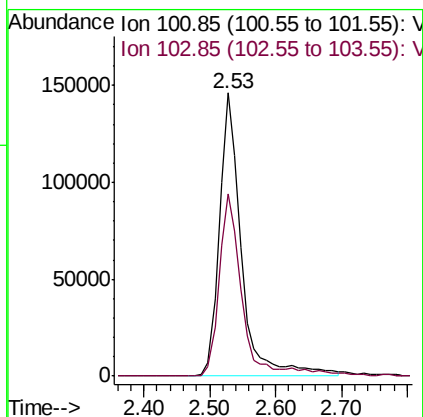
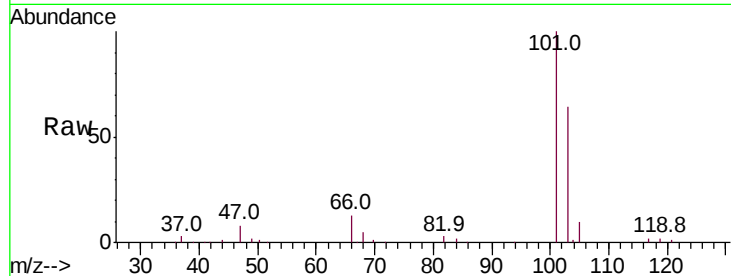


#7

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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VSTDCCC050

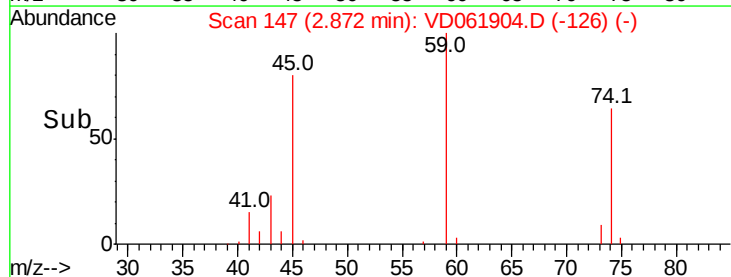
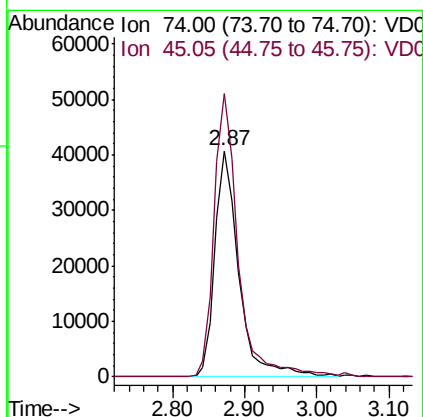
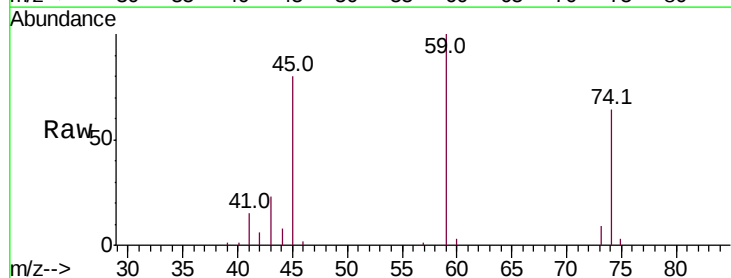
Tot Ion:101 Resp: 341839
Ion Ratio Lower Upper
101 100
103 64.3 53.6 80.4

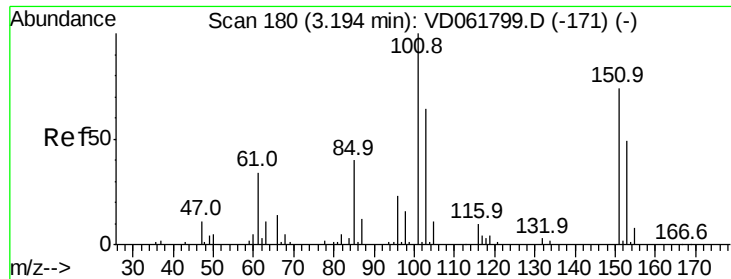


#8

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

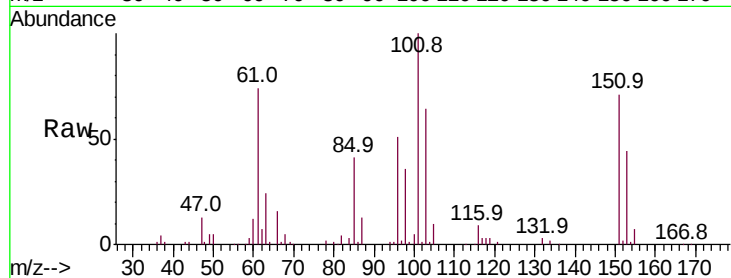
Tot Ion:101 Resp: 356294

Ion Ratio Lower Upper

101 100

85 41.4 32.4 48.6

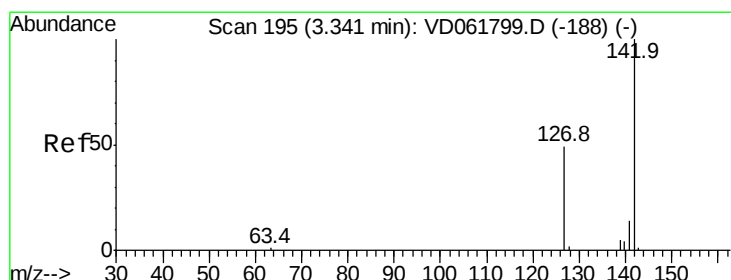
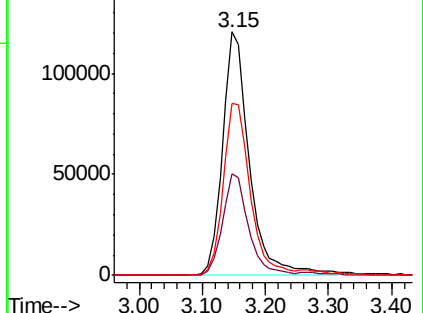
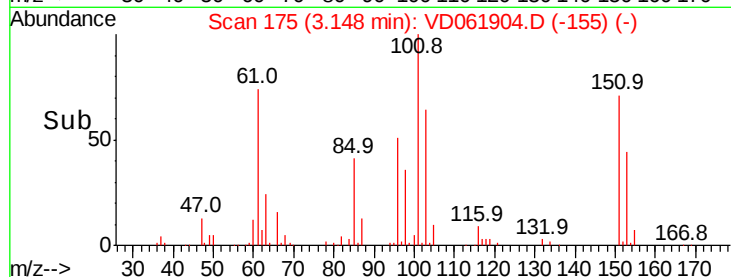
151 70.7 59.4 89.0



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

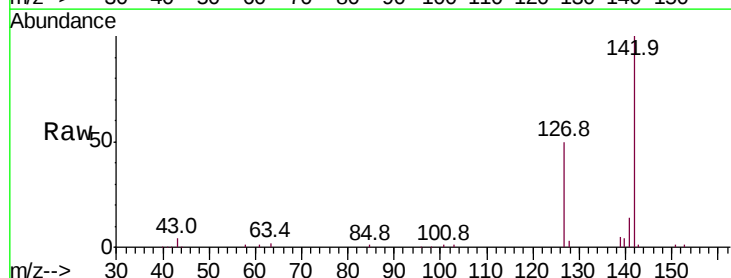
Tgt Ion:142 Resp: 512147

Ion Ratio Lower Upper

142 100

127 50.0 38.8 58.2

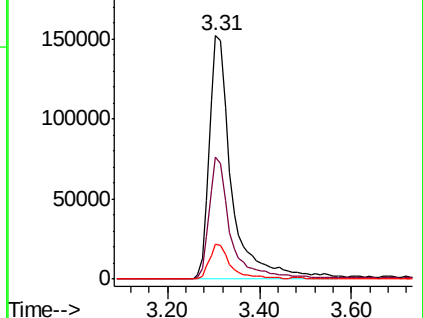
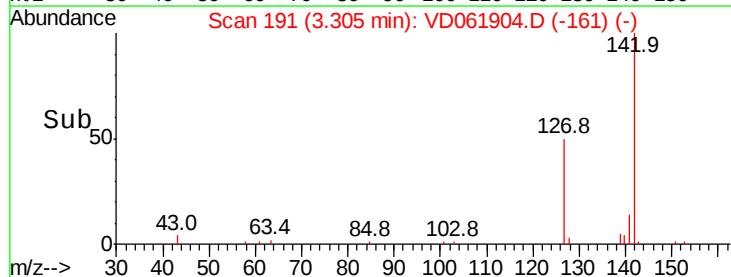
141 14.2 11.4 17.0

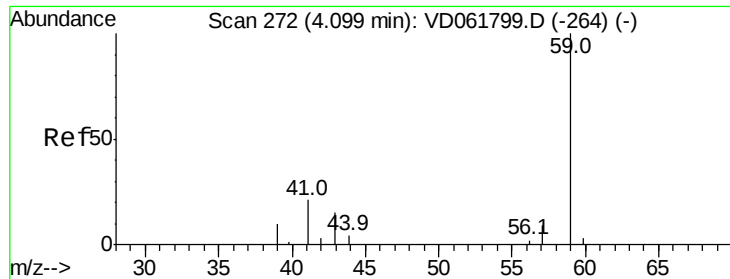


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

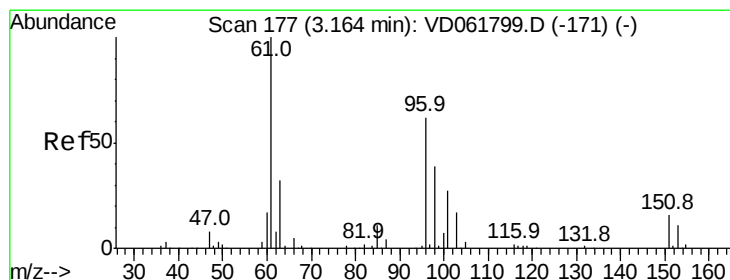
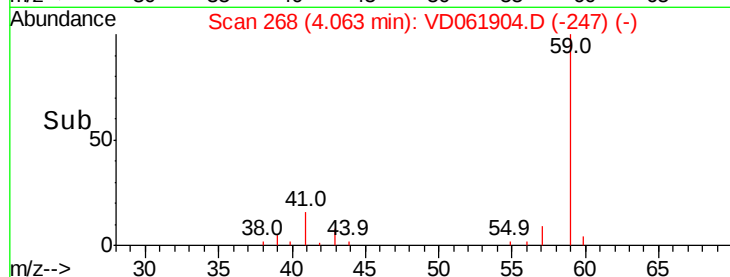
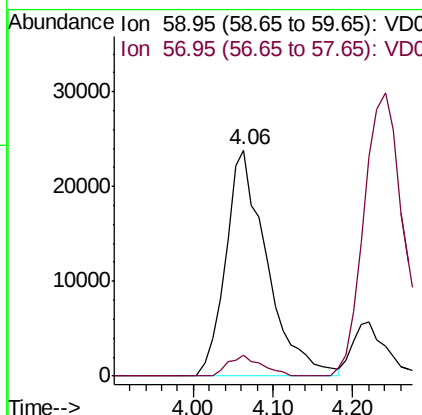
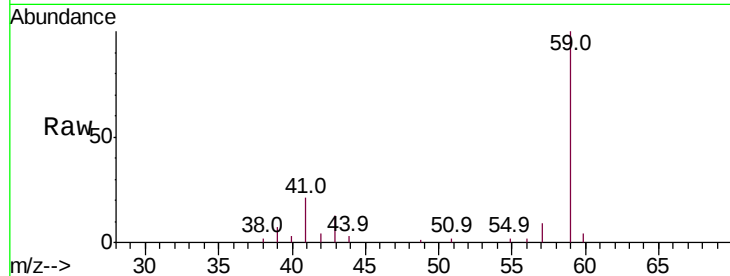




#11
Tert butyl alcohol
Concen: 270.441 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

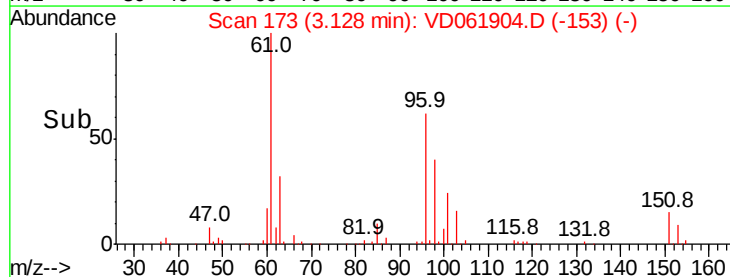
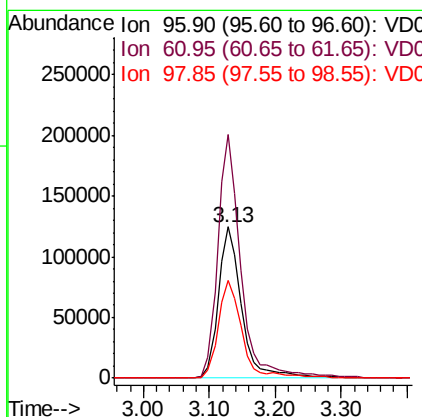
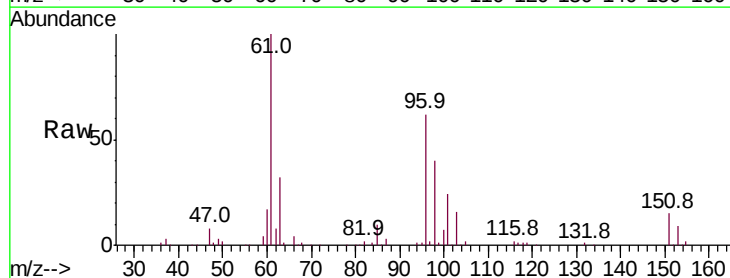
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

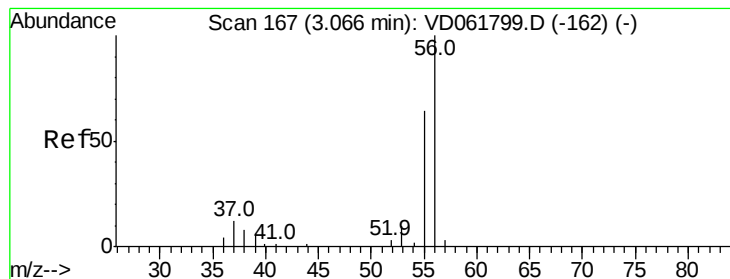
Tot Ion: 59 Resp: 85737
Ion Ratio Lower Upper
59 100
57 9.1 6.9 10.3



#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 :

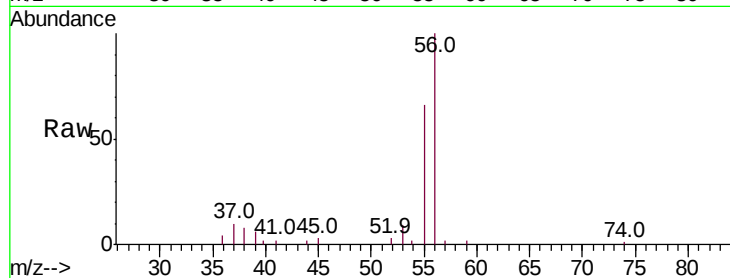
VSTDCCC050

Tot Ion: 56 Resp: 69770

Ion Ratio Lower Upper

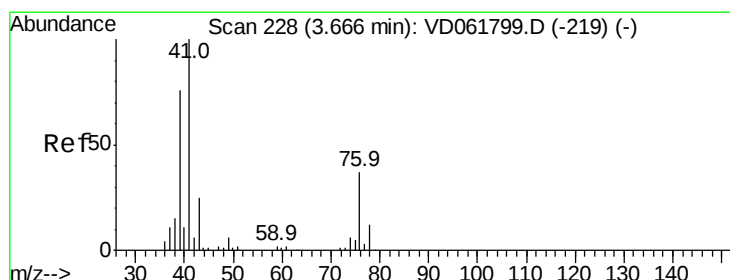
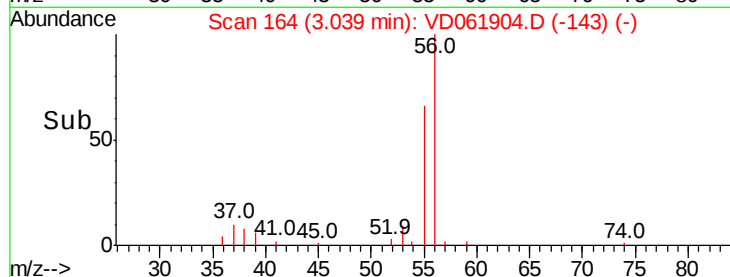
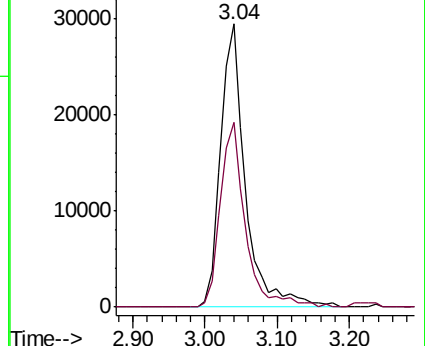
56 100

55 65.5 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#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

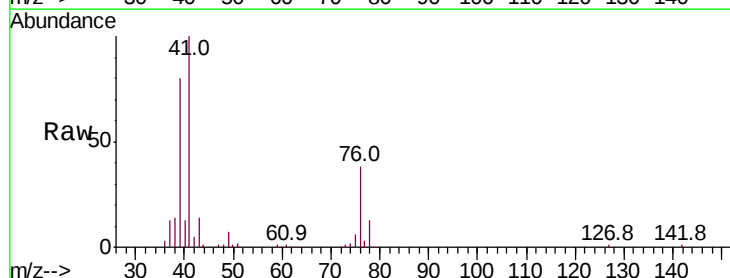
Tgt Ion: 41 Resp: 399185

Ion Ratio Lower Upper

41 100

39 79.6 60.5 90.7

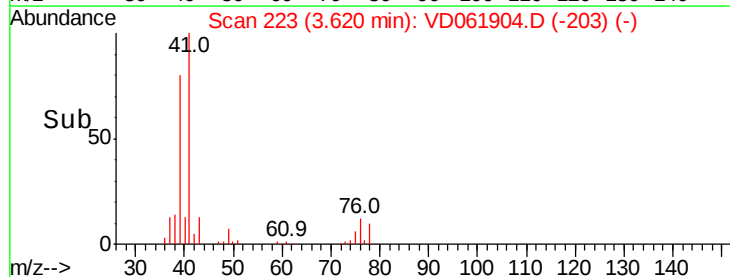
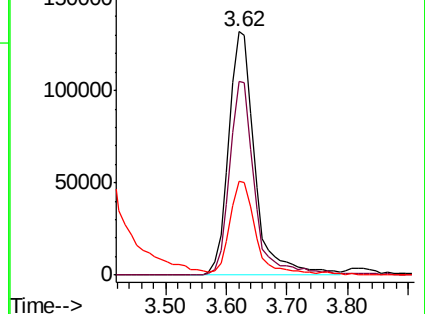
76 38.5 31.8 47.8

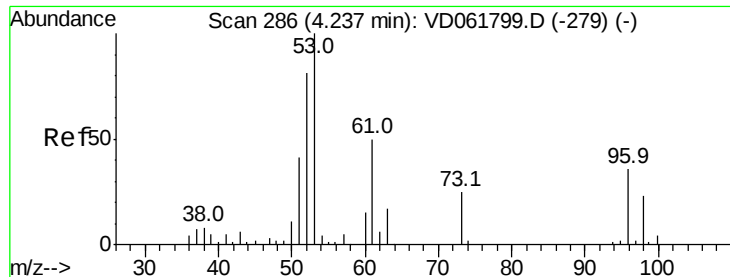


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 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

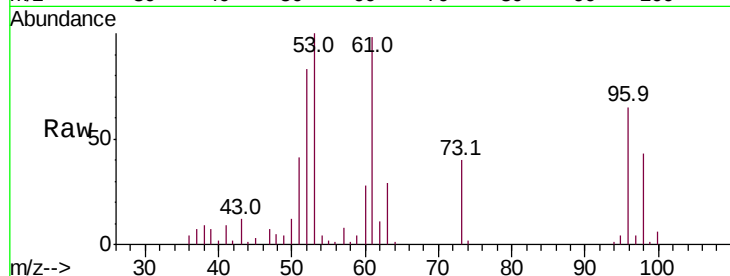
Tot Ion: 53 Resp: 254542

Ion Ratio Lower Upper

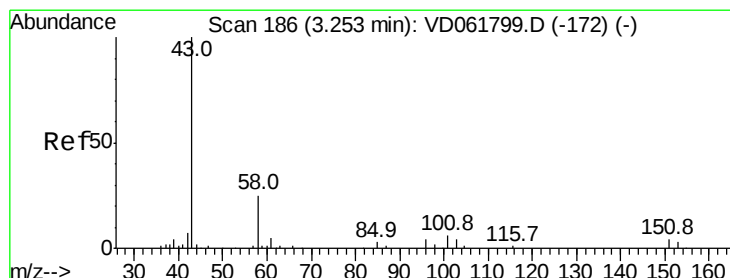
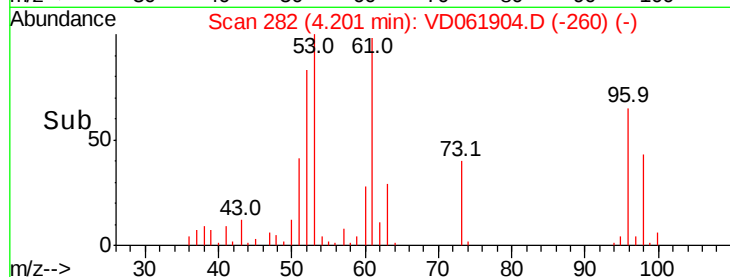
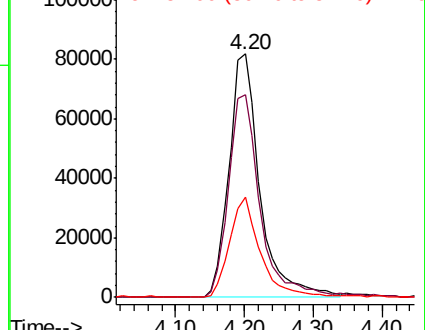
53 100

52 83.5 65.0 97.4

51 41.4 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 289.976 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061904.D

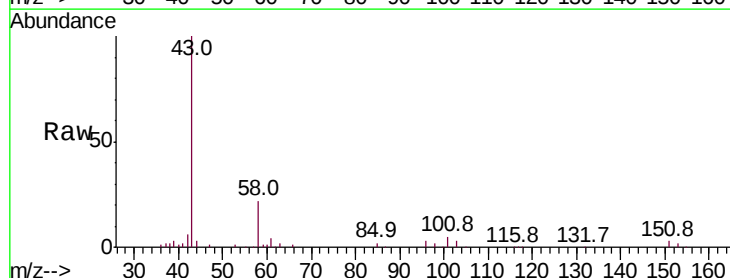
Acq: 19 Apr 2019 12:01

Tgt Ion: 43 Resp: 384202

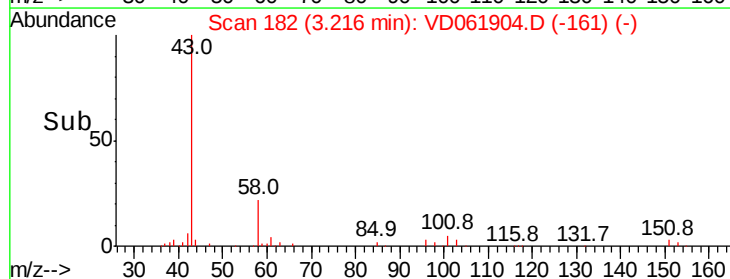
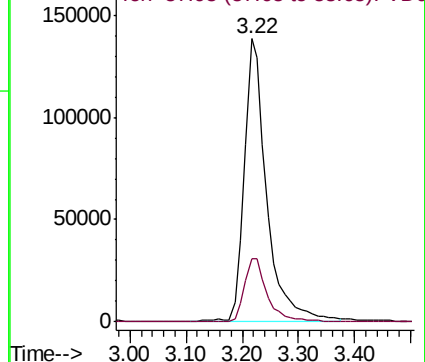
Ion Ratio Lower Upper

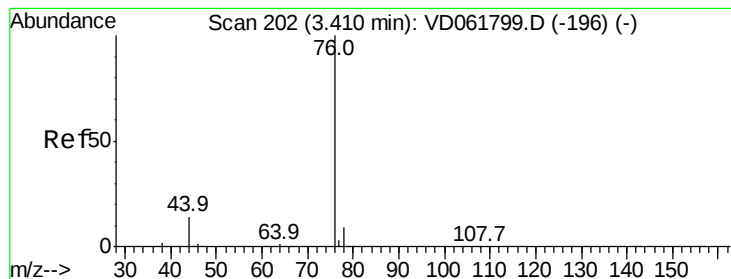
43 100

58 22.5 19.9 29.9



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





#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 :

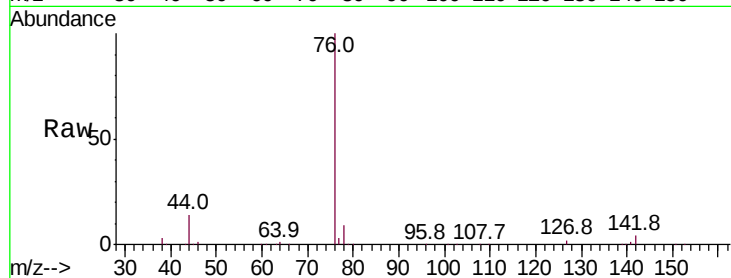
VSTDCCC050

Tot Ion: 76 Resp: 860481

Ion Ratio Lower Upper

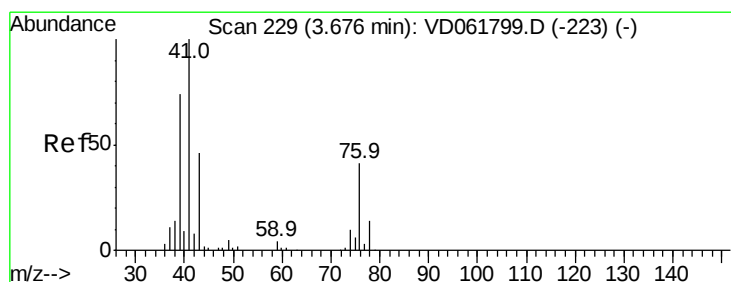
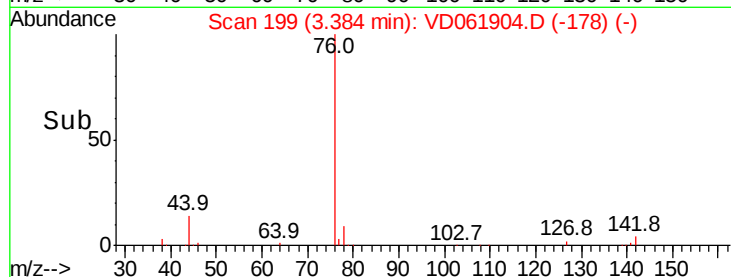
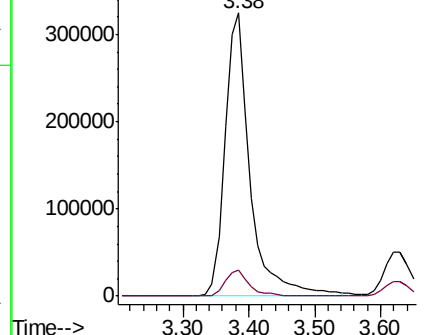
76 100

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

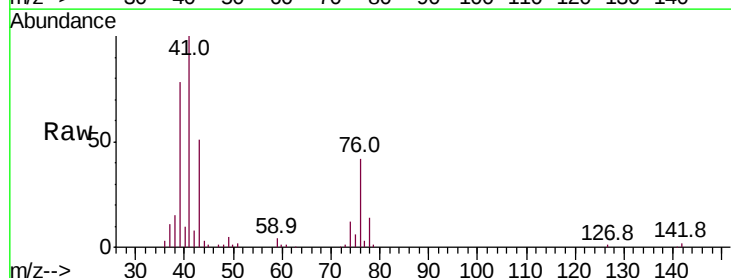
Acq: 19 Apr 2019 12:01

Tgt Ion: 43 Resp: 122102

Ion Ratio Lower Upper

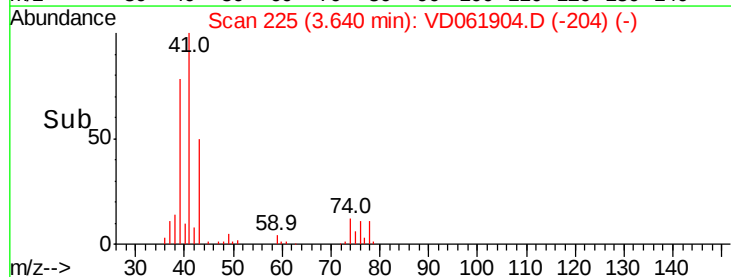
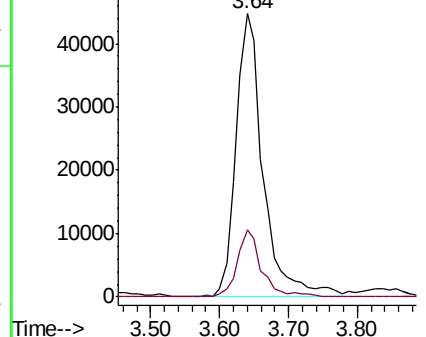
43 100

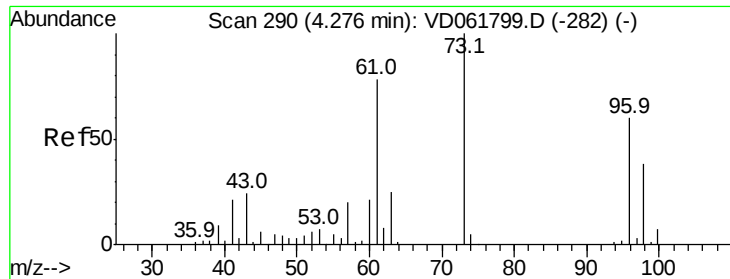
74 23.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

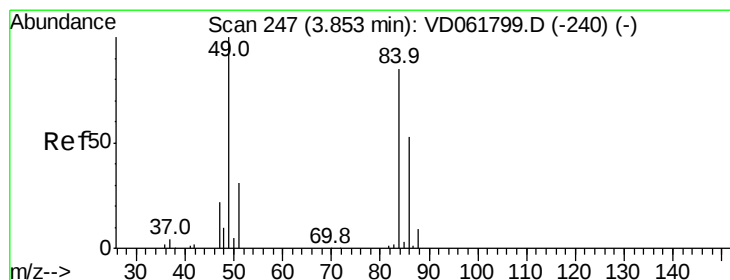
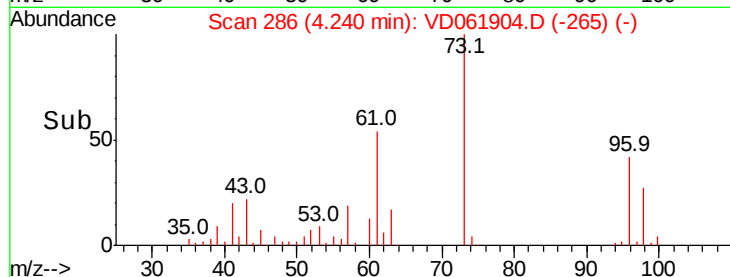
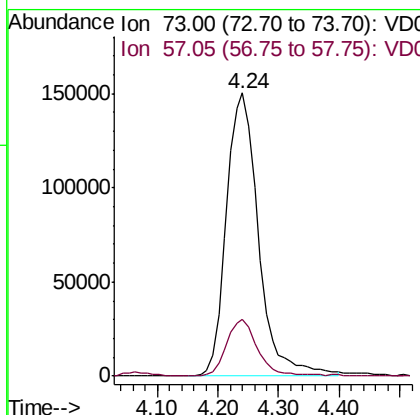
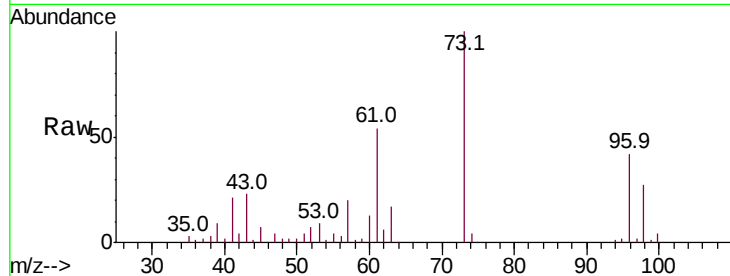




#19
Methyl tert-butyl Ether
Concen: 49.449 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

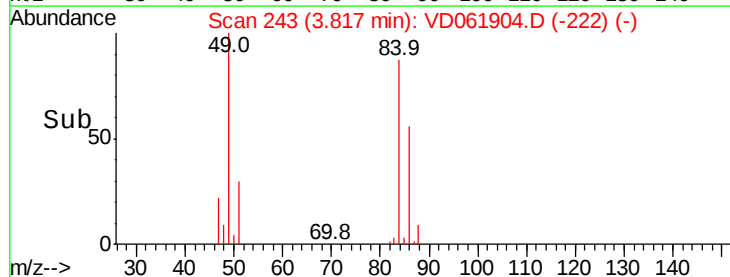
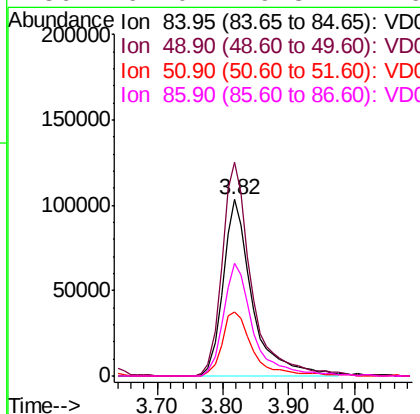
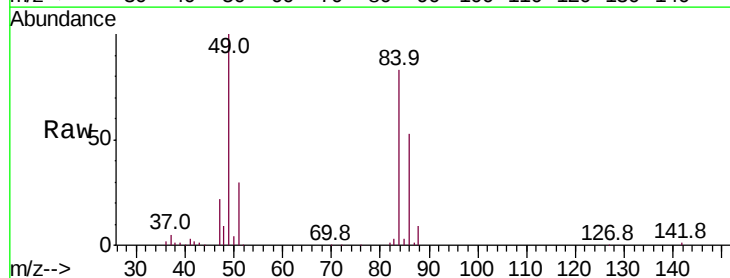
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

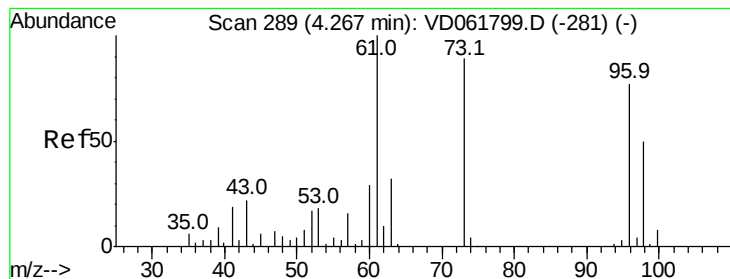
Tot Ion: 73 Resp: 55535
Ion Ratio Lower Upper
73 100
57 19.9 16.3 24.5



#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

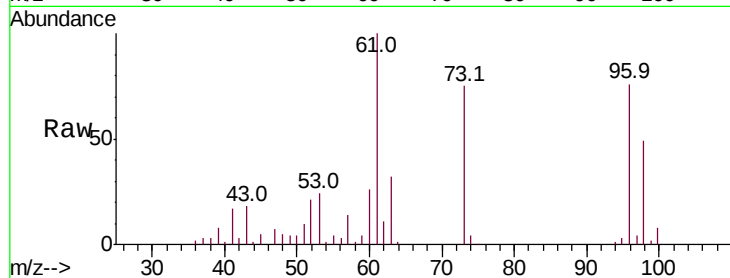
Tot Ion: 96 Resp: 326848

Ion Ratio Lower Upper

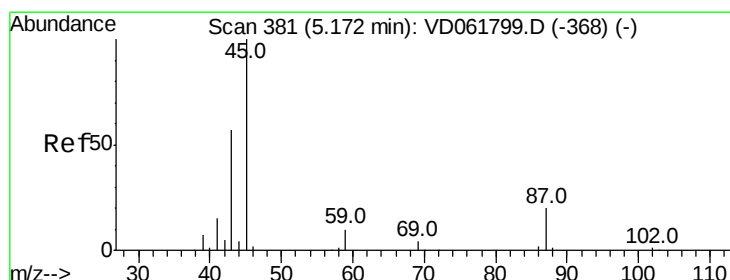
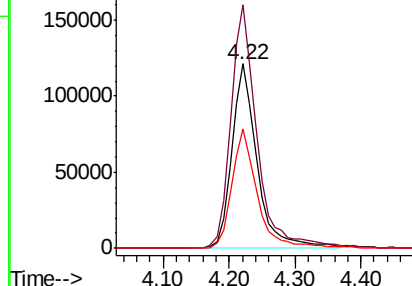
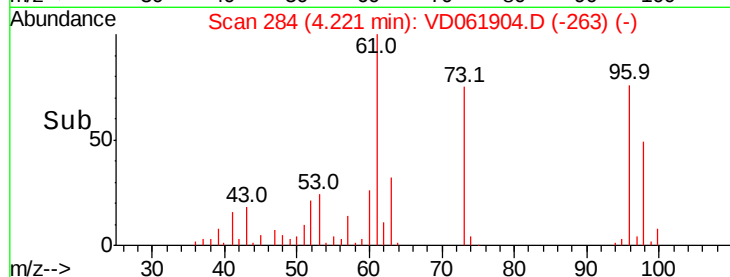
96 100

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

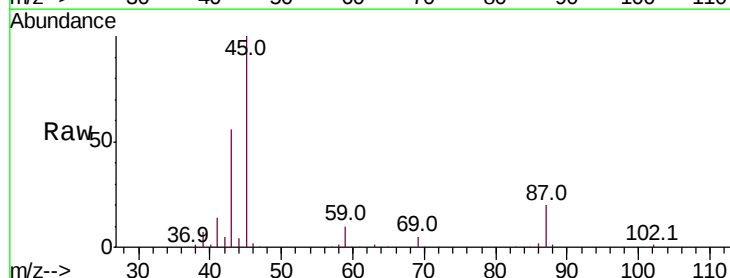
Ion Ratio Lower Upper

45 100

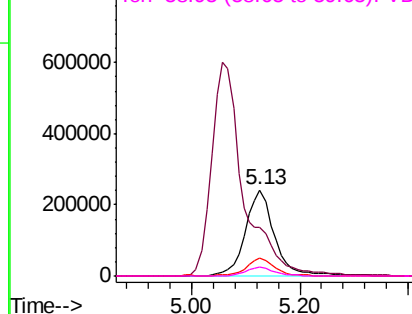
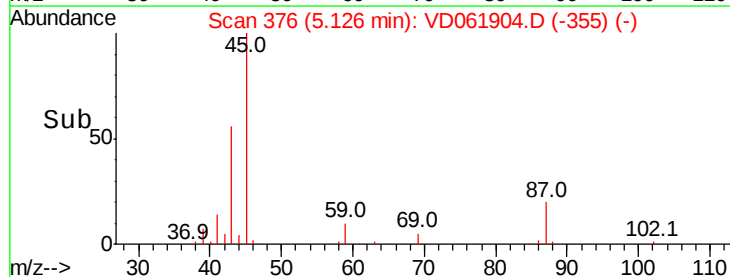
43 56.0 46.2 69.2

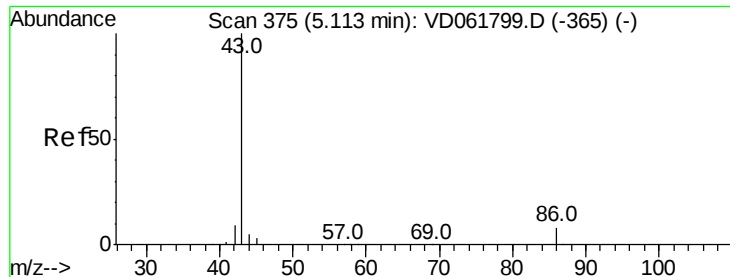
87 20.4 15.9 23.9

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

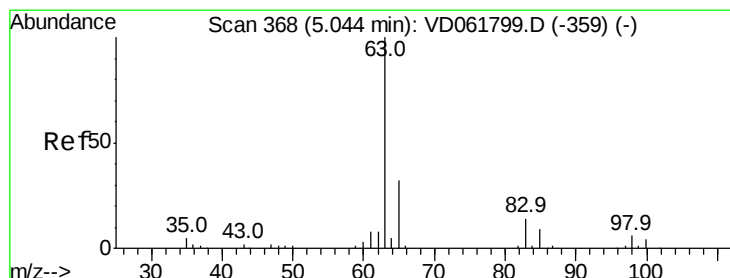
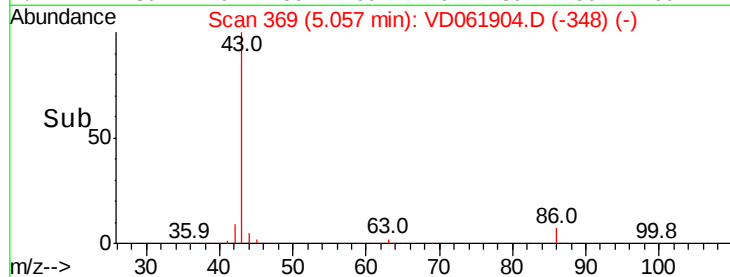
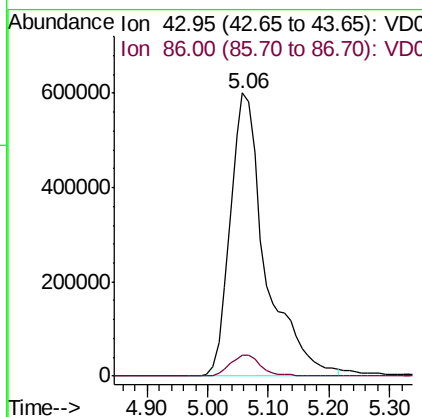
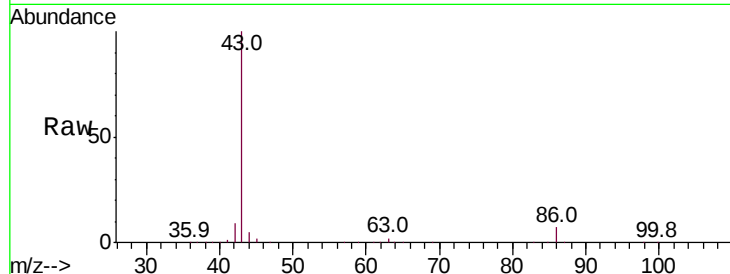




#23
 Vinyl Acetate
 Concen: 258.900 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

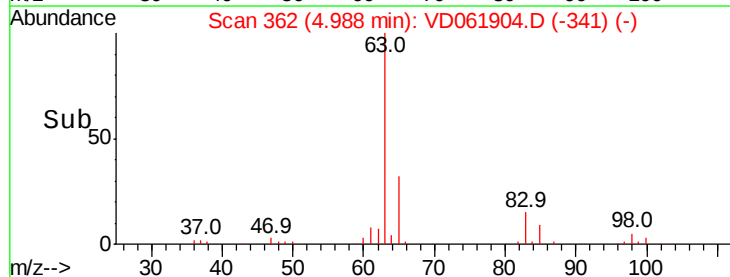
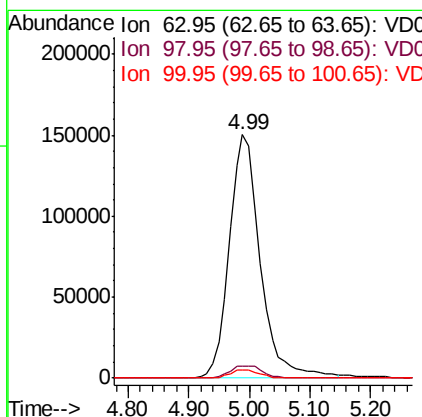
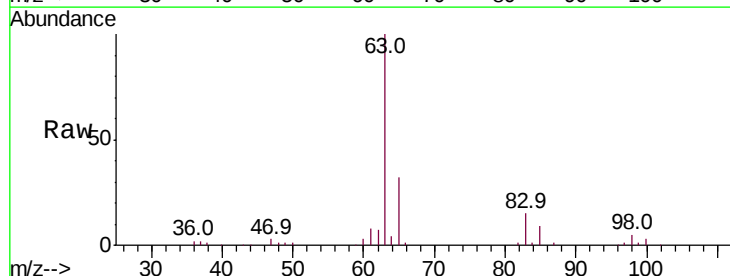
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

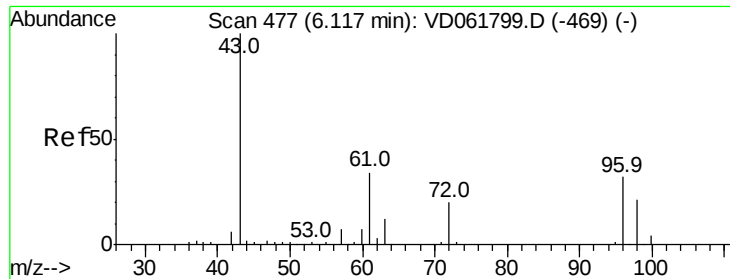
Tot Ion: 43 Resp: 2427557
 Ion Ratio Lower Upper
 43 100
 86 7.3 6.4 9.6



#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





#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 :

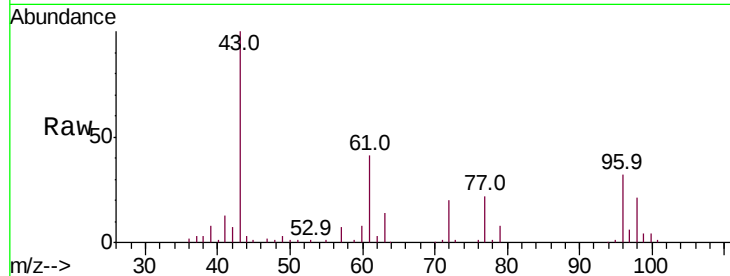
VSTDCCC050

Tot Ion: 43 Resp: 415247

Ion Ratio Lower Upper

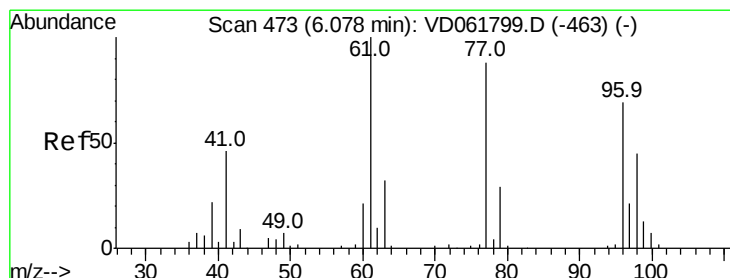
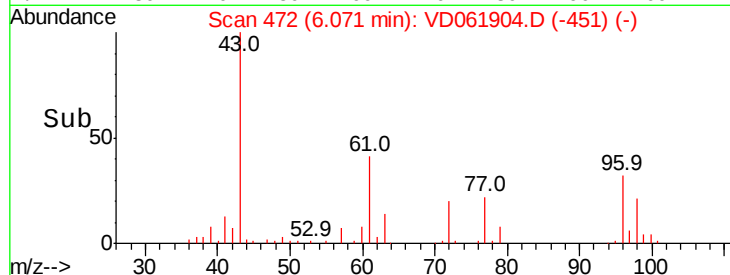
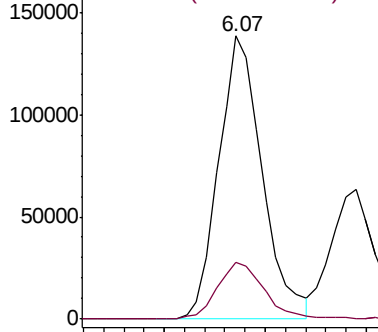
43 100

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

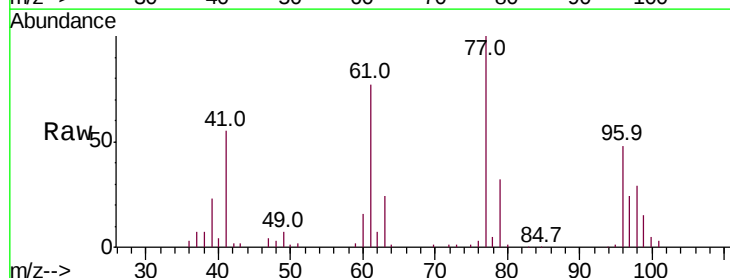
Acq: 19 Apr 2019 12:01

Tgt Ion: 77 Resp: 480485

Ion Ratio Lower Upper

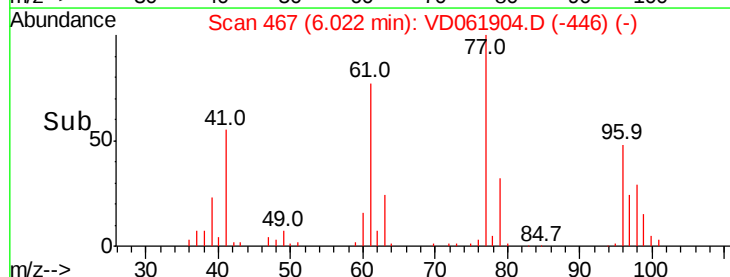
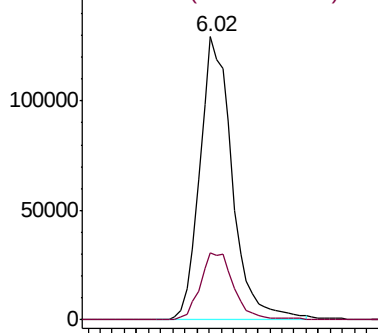
77 100

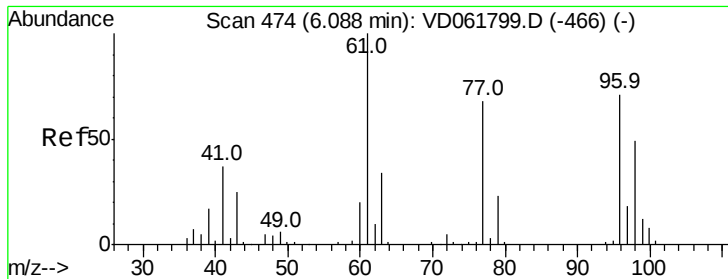
97 23.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



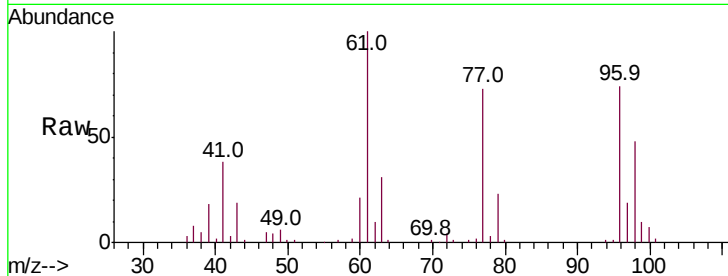


#27

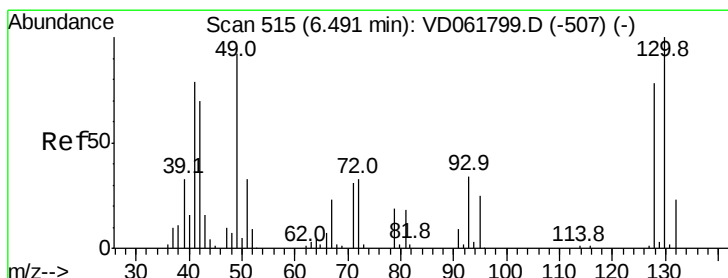
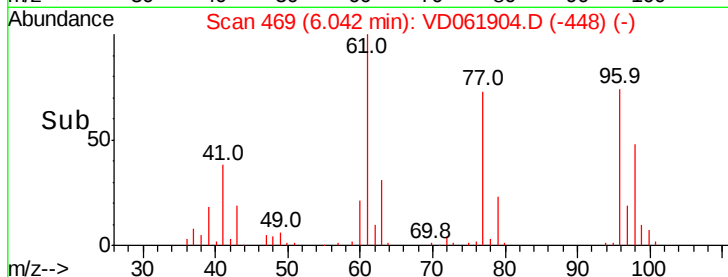
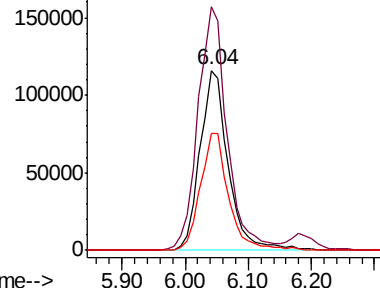
cis-1,2-Dichloroethene
Concen: 49.902 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



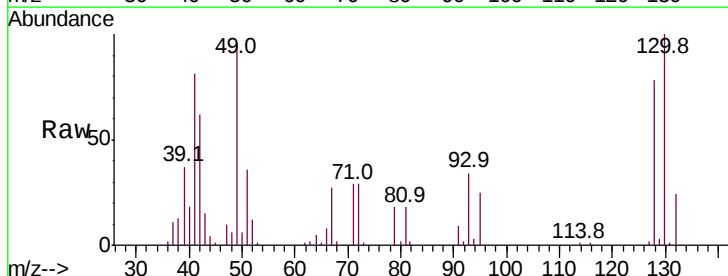
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



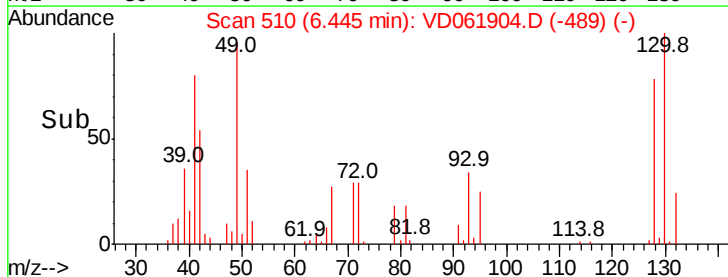
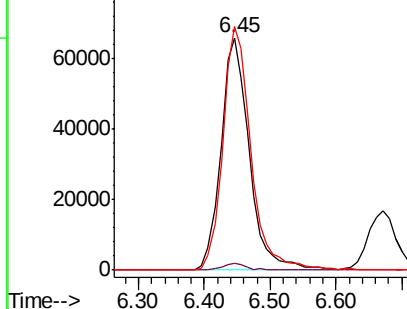
#28

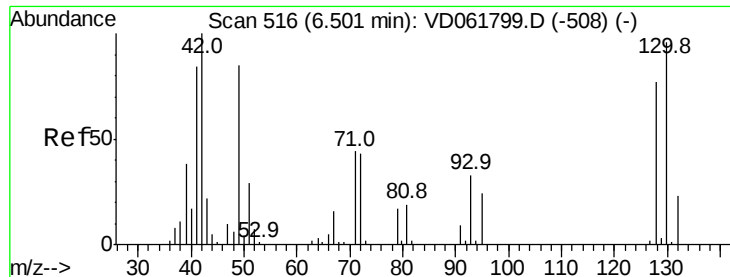
Bromochloromethane
Concen: 48.859 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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

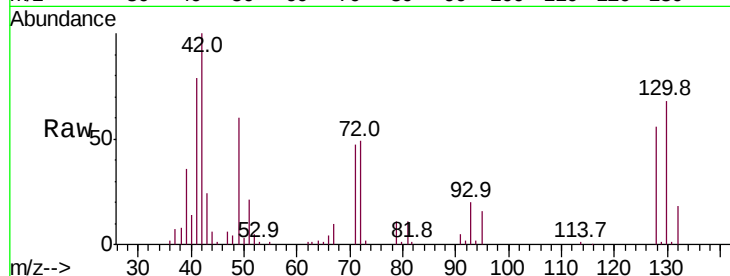
Tot Ion: 42 Resp: 206353

Ion Ratio Lower Upper

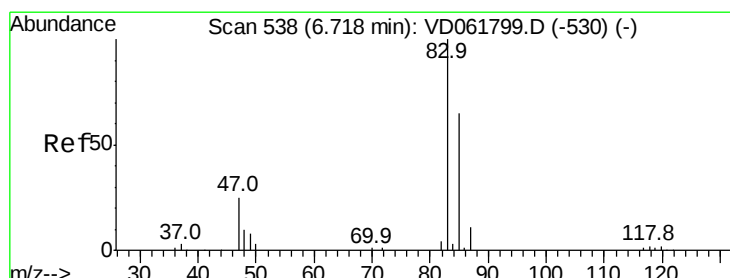
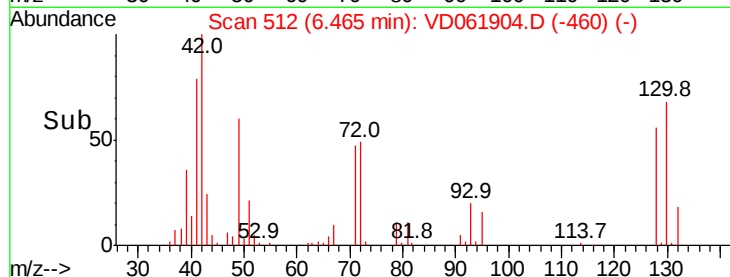
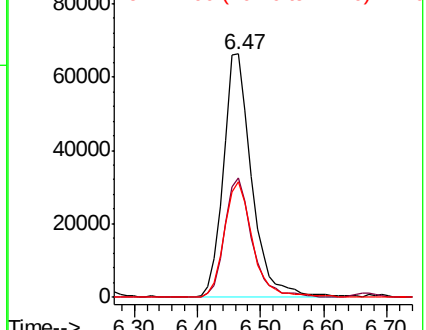
42 100

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

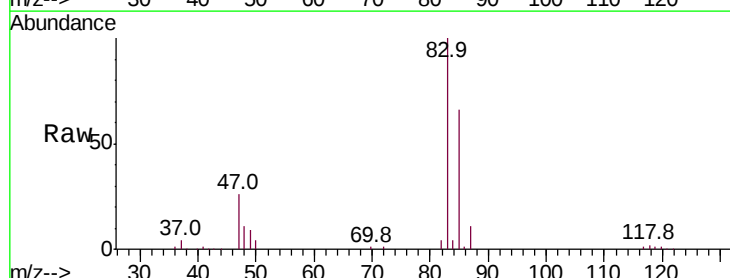
Acq: 19 Apr 2019 12:01

Tgt Ion: 83 Resp: 601244

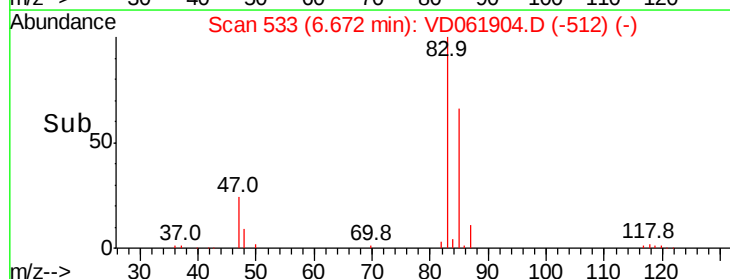
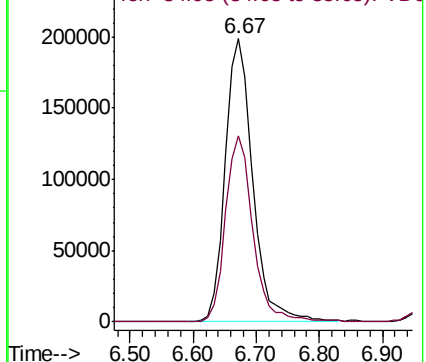
Ion Ratio Lower Upper

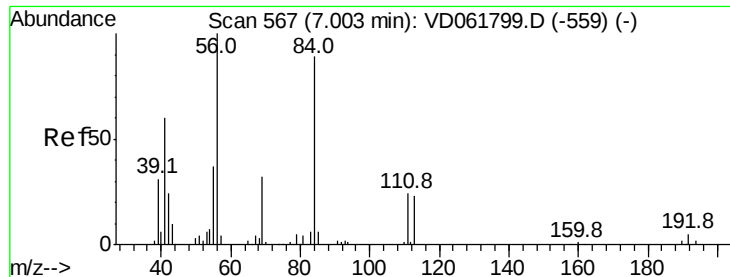
83 100

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

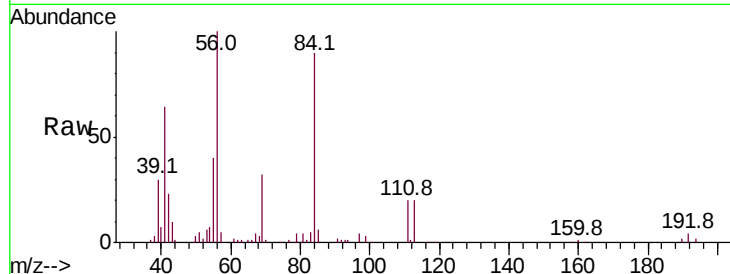




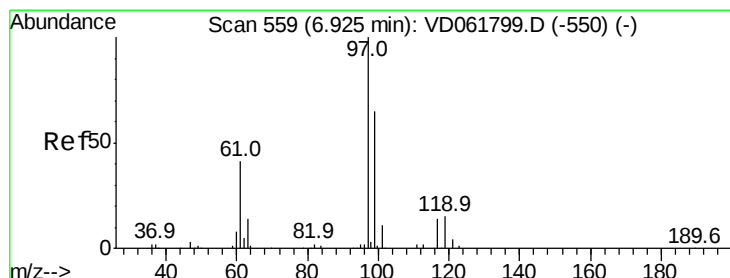
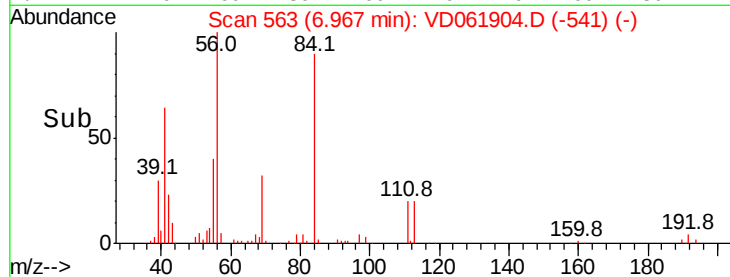
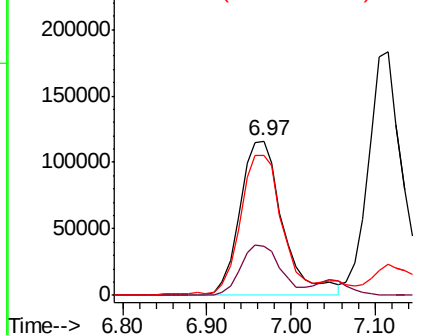
#31
Cvclohexane
Concen: 50.424 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

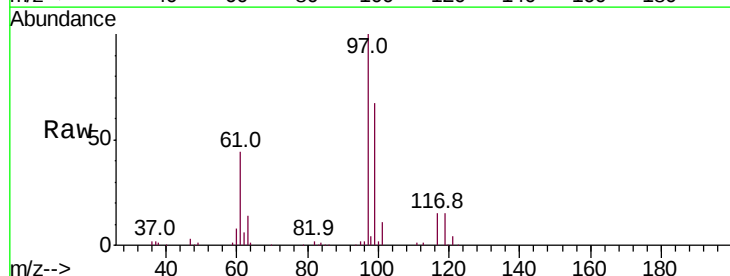


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

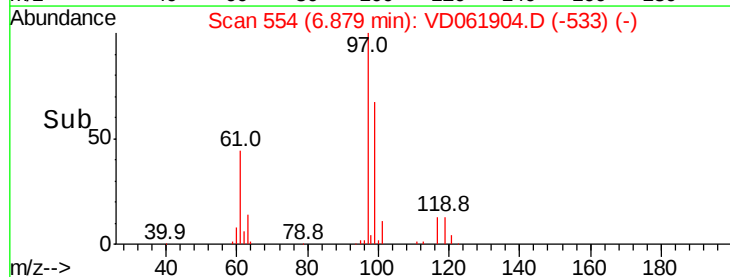
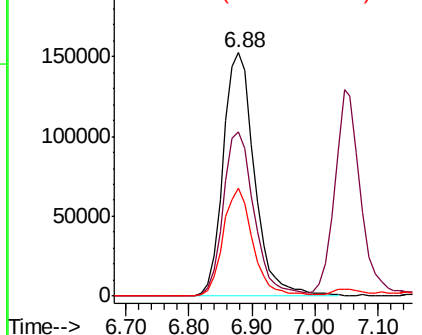


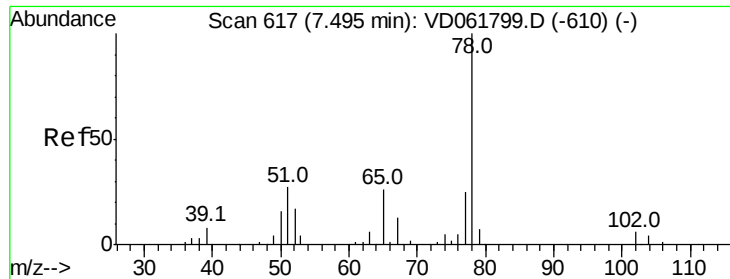
#32
1,1,1-Trichloroethane
Concen: 49.821 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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: 45.938 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 :

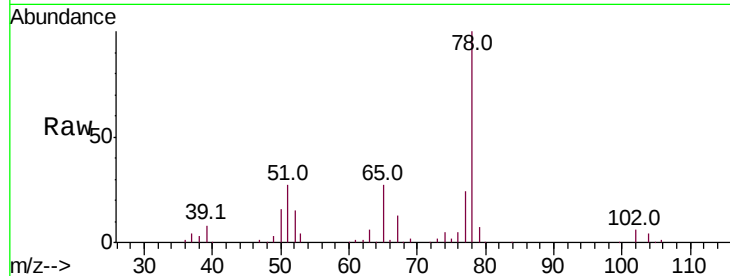
VSTDCCC050

Tot Ion: 65 Resp: 246957

Ion Ratio Lower Upper

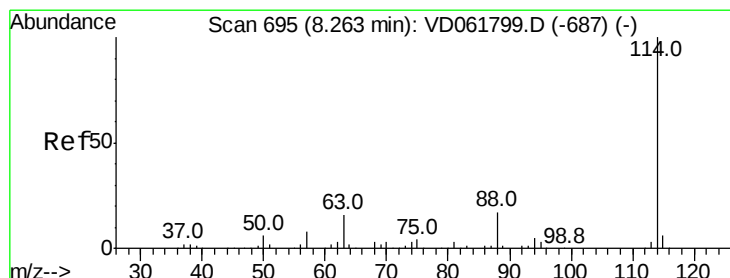
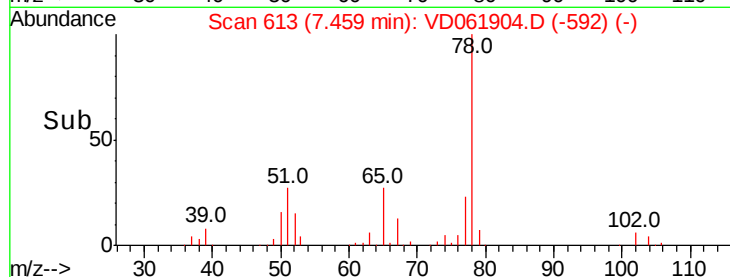
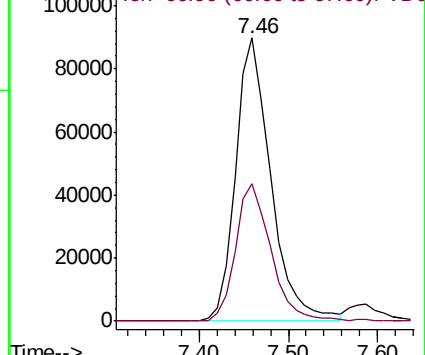
65 100

67 48.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

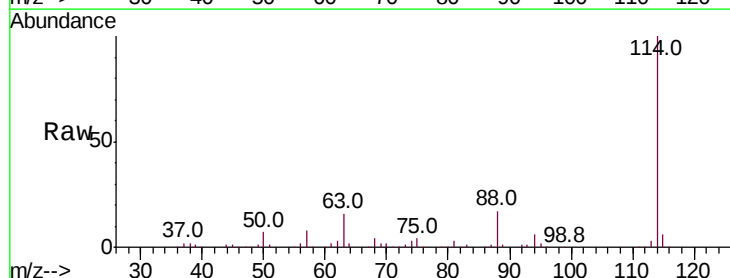
Tgt Ion: 114 Resp: 1059184

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

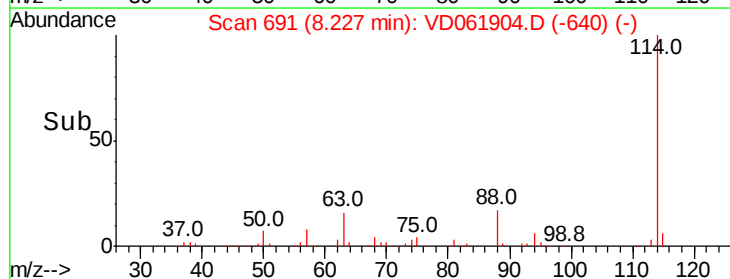
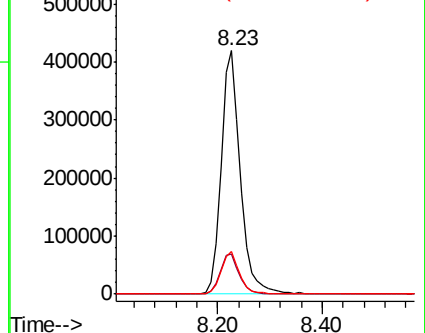
88 17.3 0.0 33.6

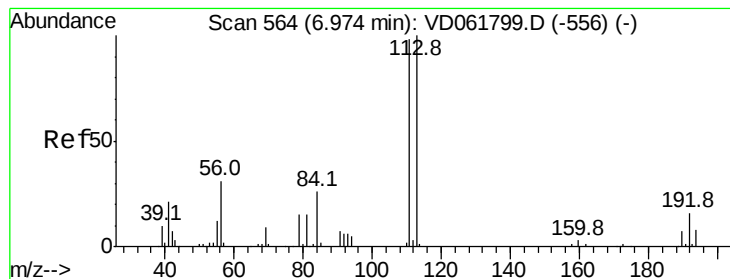


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.422 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

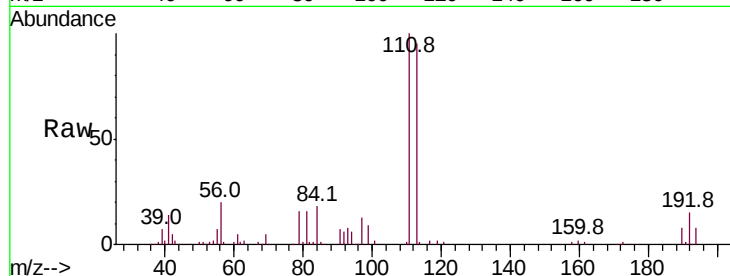
Tot Ion:113 Resp: 371481

Ion Ratio Lower Upper

113 100

111 104.8 78.5 117.7

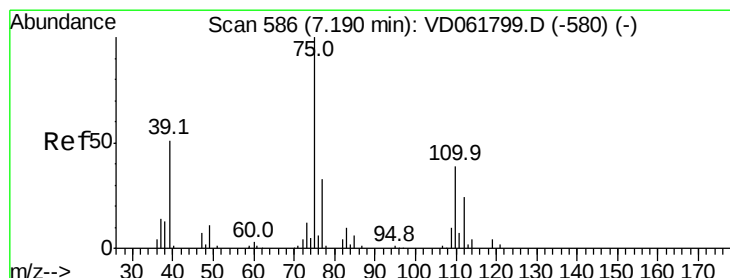
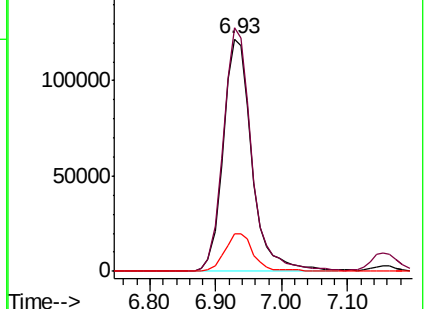
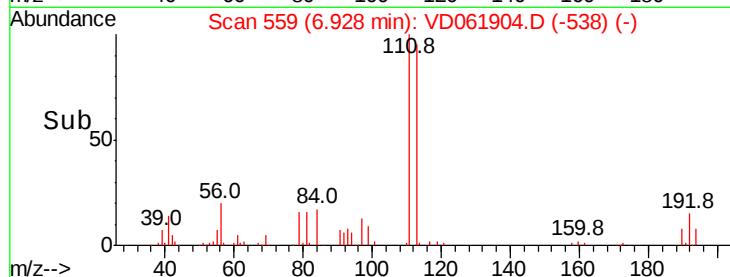
192 16.0 13.0 19.4



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

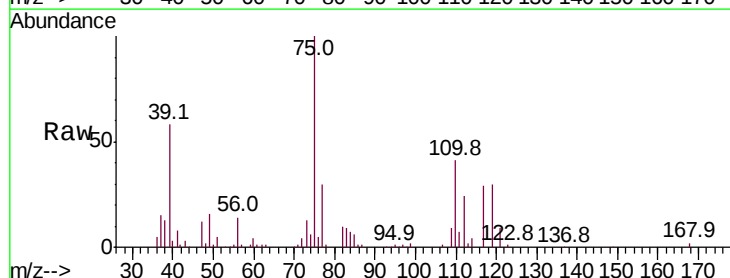
Tgt Ion: 75 Resp: 412829

Ion Ratio Lower Upper

75 100

110 41.1 19.1 57.1

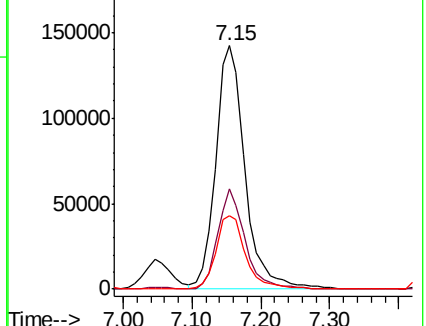
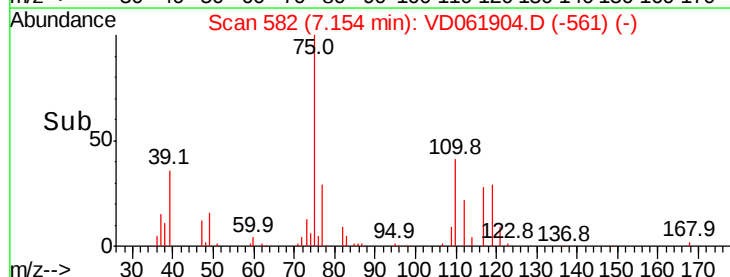
77 30.3 25.6 38.4

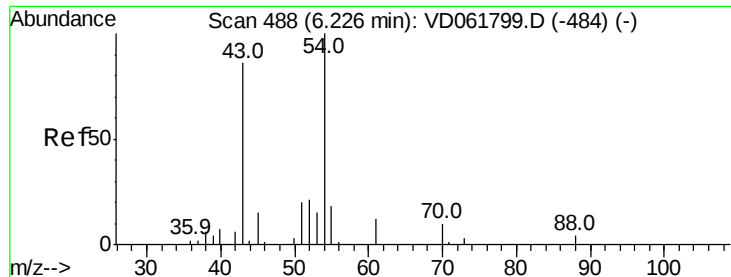


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

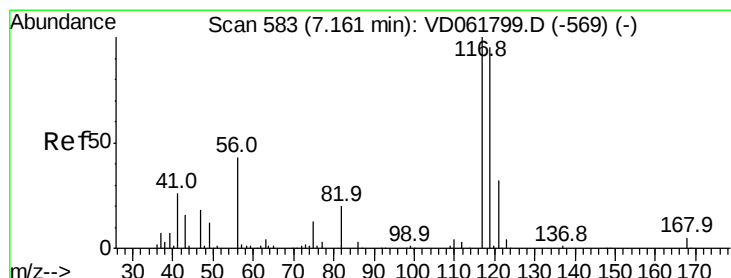
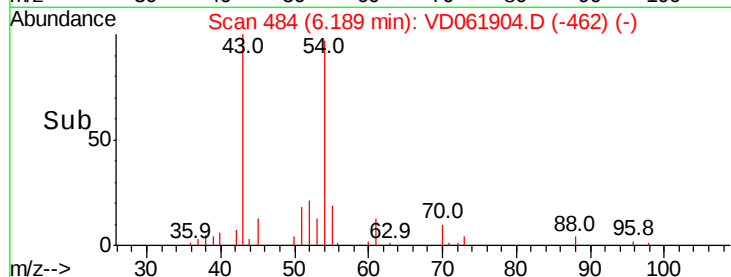
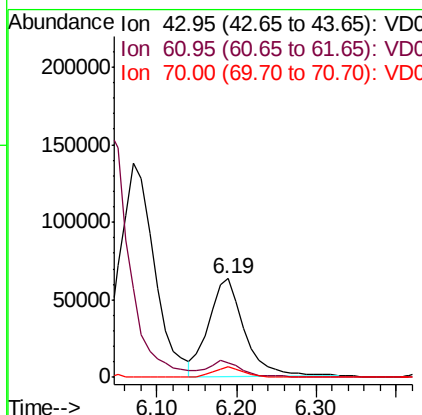
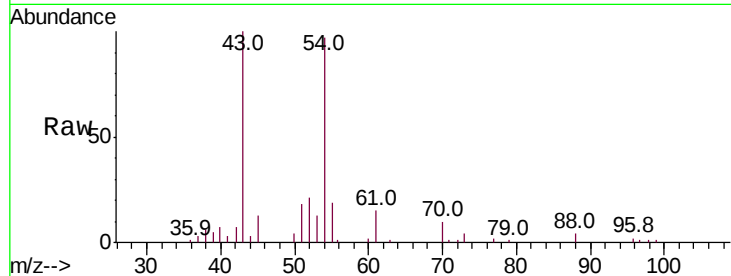




#37
Ethyl Acetate
Concen: 53.884 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

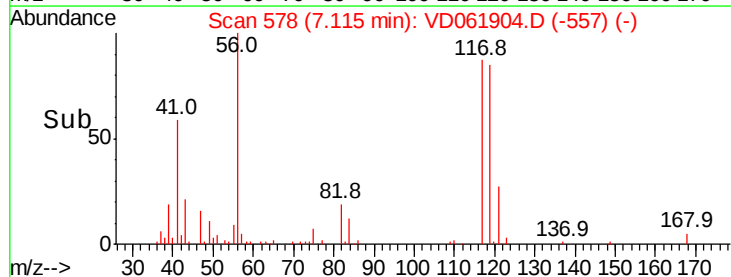
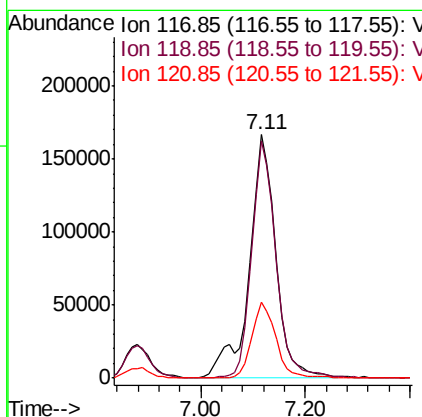
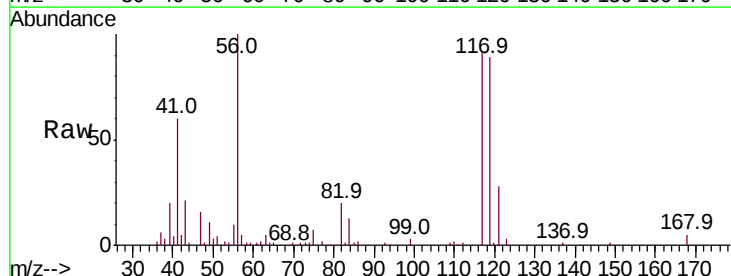
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

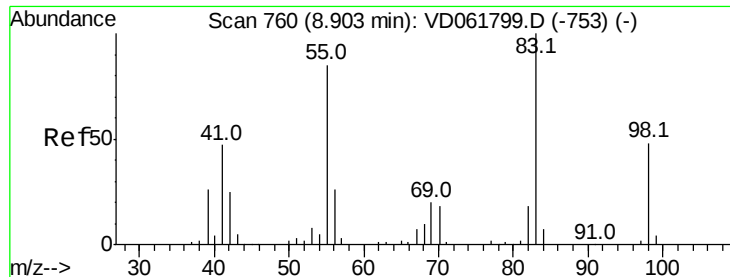
Tot Ion: 43 Resp: 199606
Ion Ratio Lower Upper
43 100
61 14.6 14.7 22.1#
70 10.4 7.8 11.6



#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

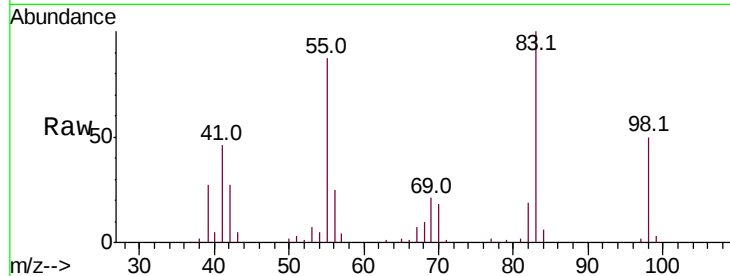




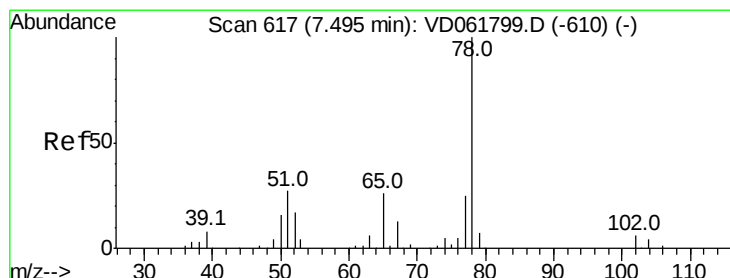
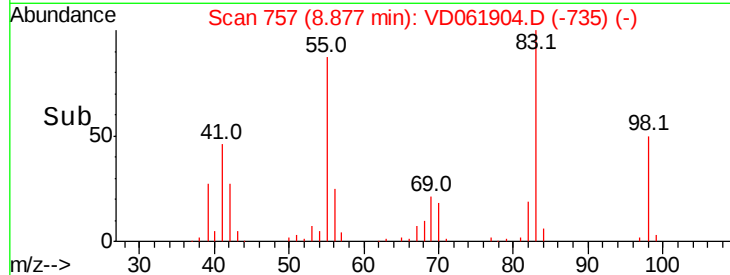
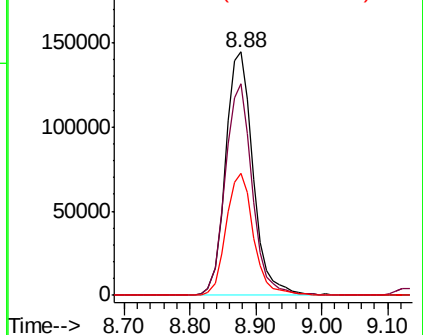
#39
Methvlcvclohexane
Concen: 47.078 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

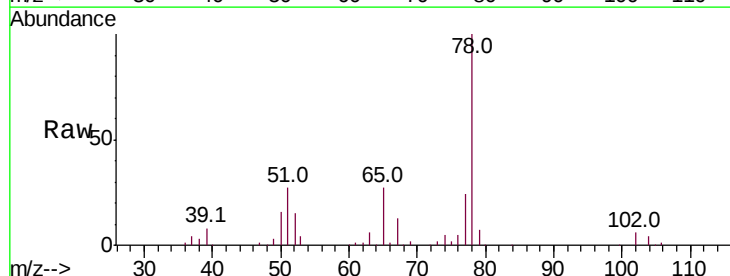


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

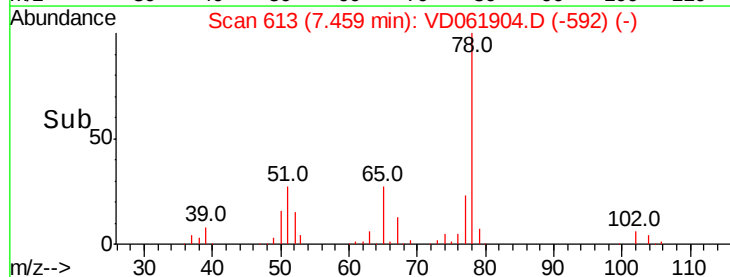
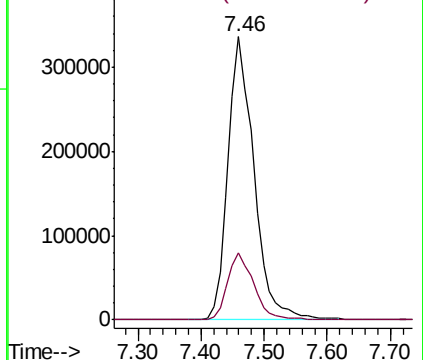


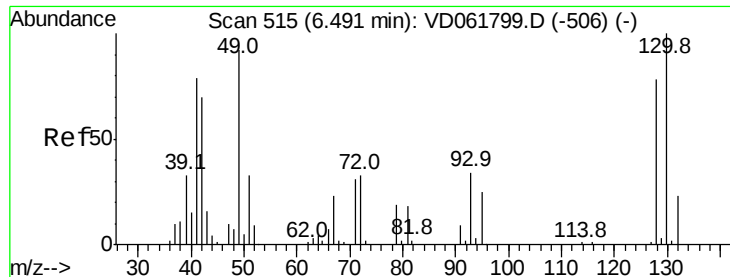
#40
Benzene
Concen: 46.148 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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

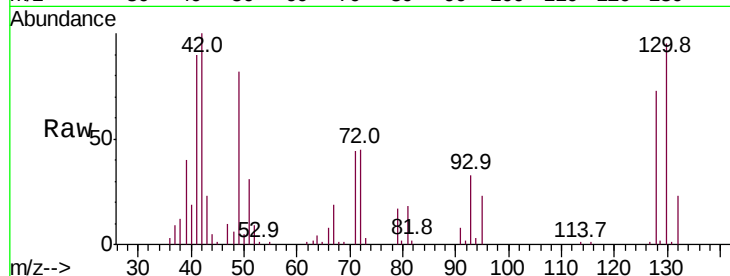




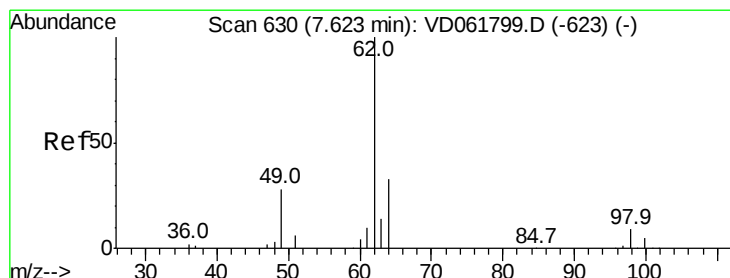
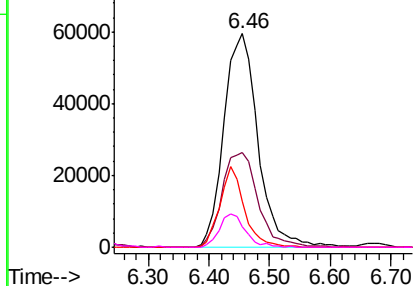
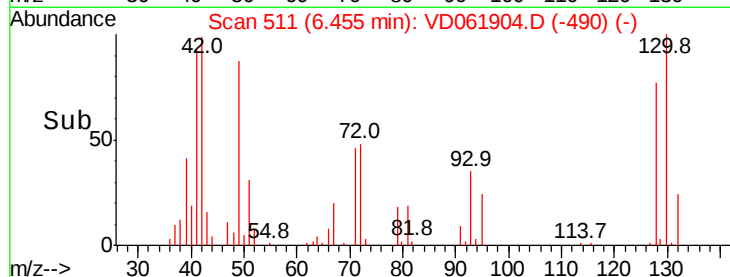
#41
Methacrylonitrile
Concen: 53.064 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot 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

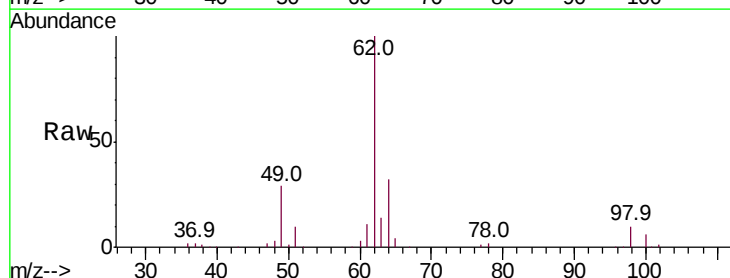


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

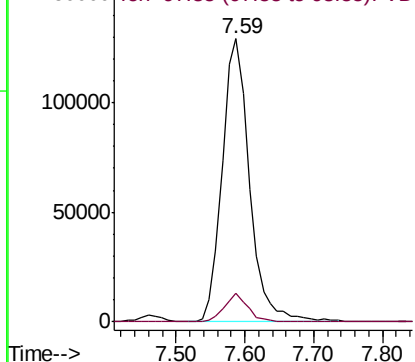
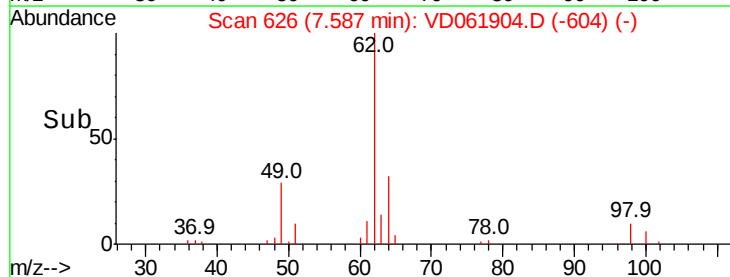


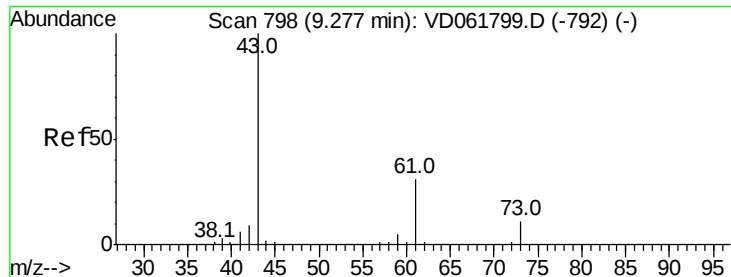
#42
1,2-Dichloroethane
Concen: 49.313 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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

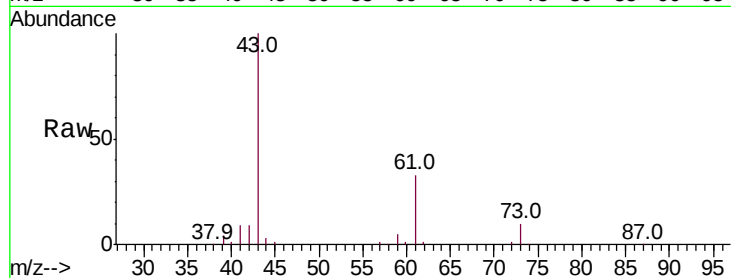
Tot Ion: 43 Resp: 272148

Ion Ratio Lower Upper

43 100

61 33.0 25.1 37.7

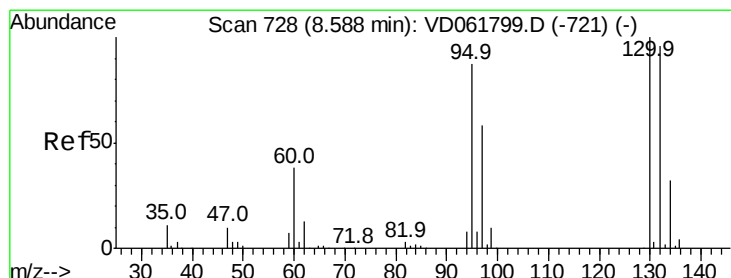
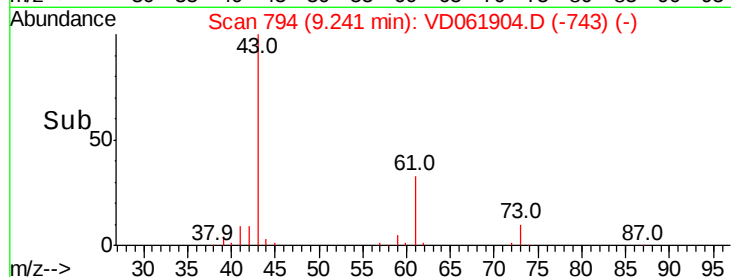
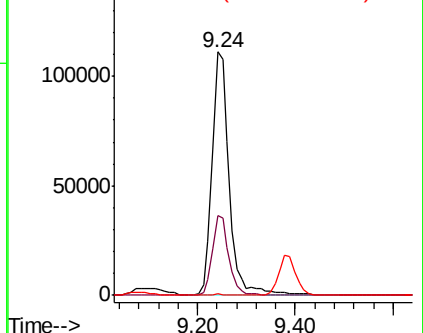
87 0.5 0.0 0.0#



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

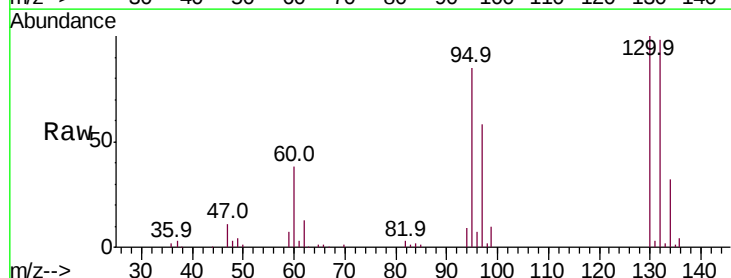
Acq: 19 Apr 2019 12:01

Tgt Ion:130 Resp: 390322

Ion Ratio Lower Upper

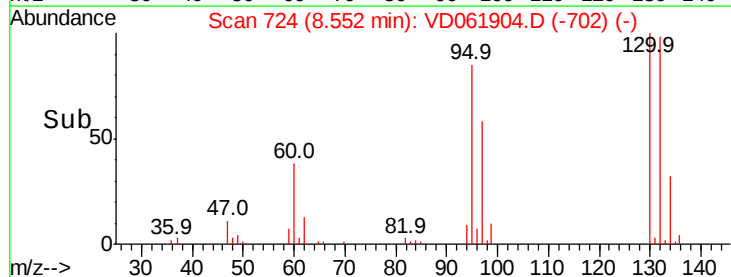
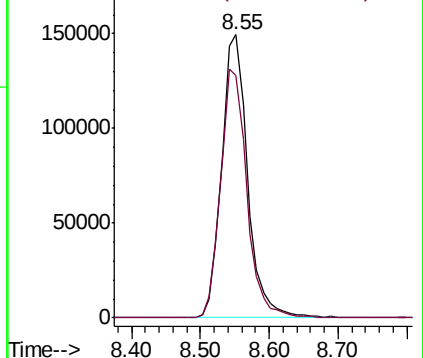
130 100

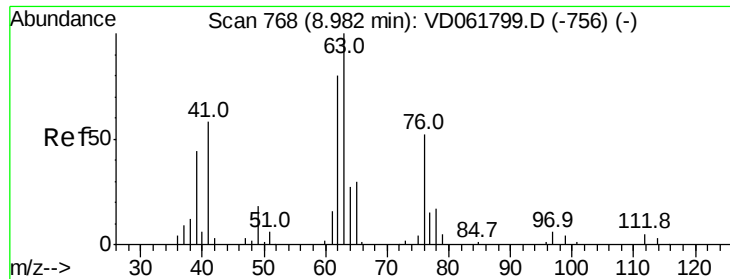
95 85.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

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 :

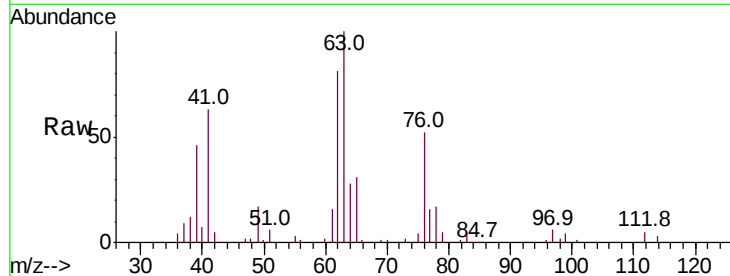
VSTDCCC050

Tot 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

8.95

100000

80000

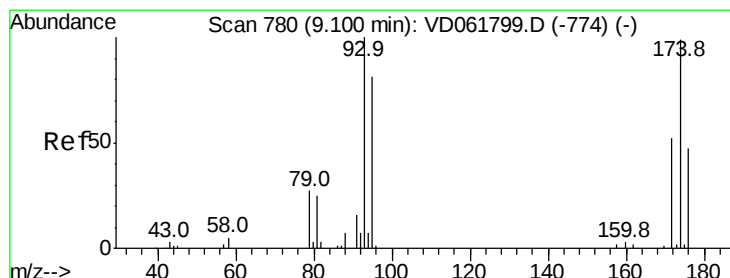
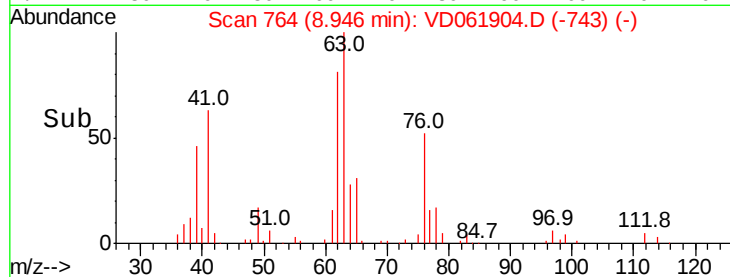
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 48.090 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

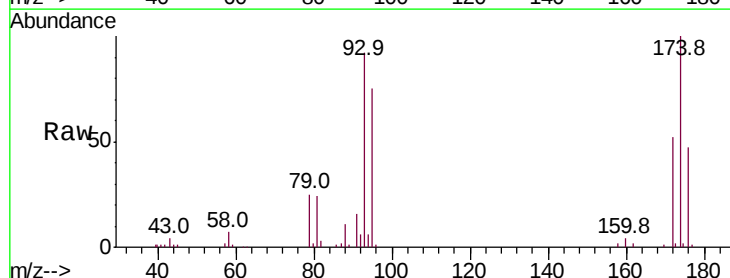
Tgt Ion: 93 Resp: 185466

Ion Ratio Lower Upper

93 100

95 80.6 64.8 97.2

174 108.1 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

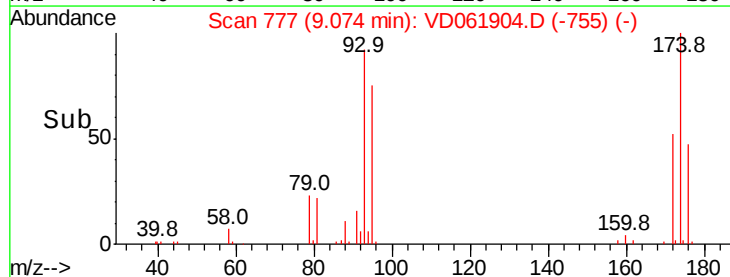
60000

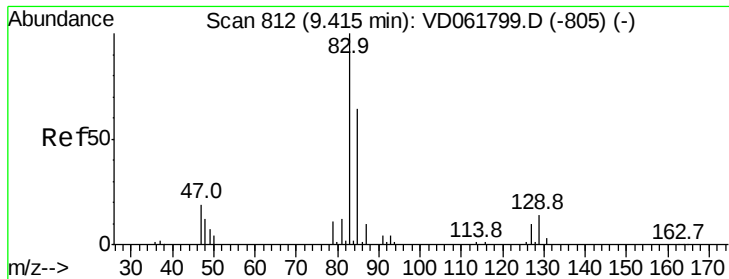
40000

20000

0

Time--> 9.00 9.10 9.20





#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

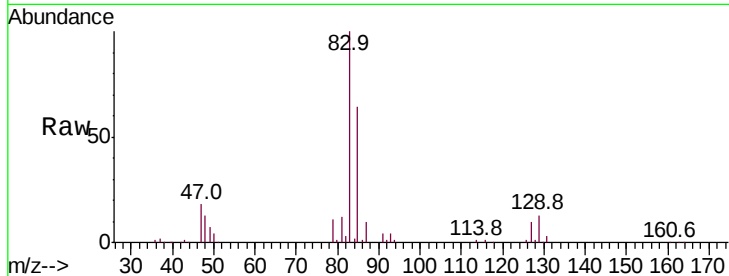
Tot Ion: 83 Resp: 439499

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

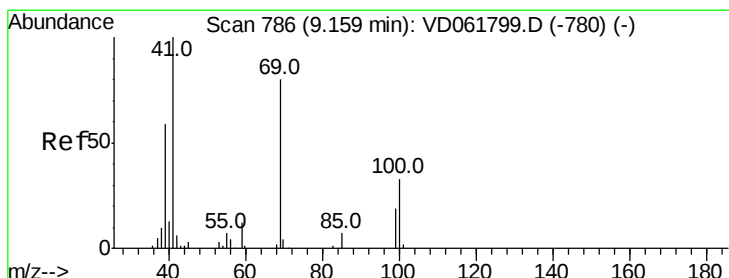
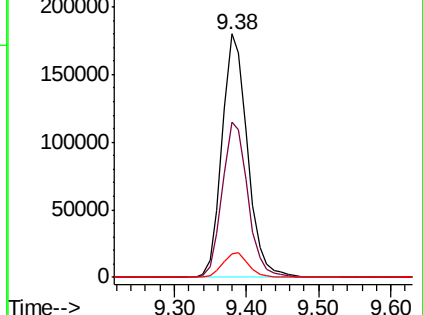
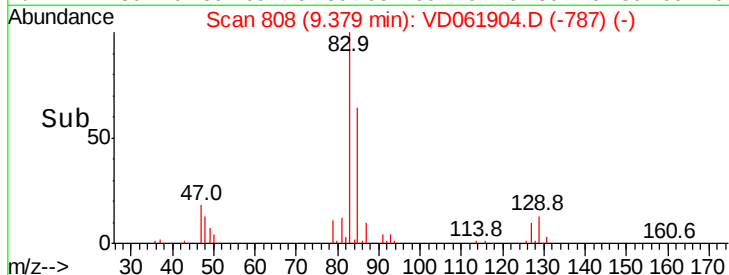
127 9.6 8.1 12.1



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

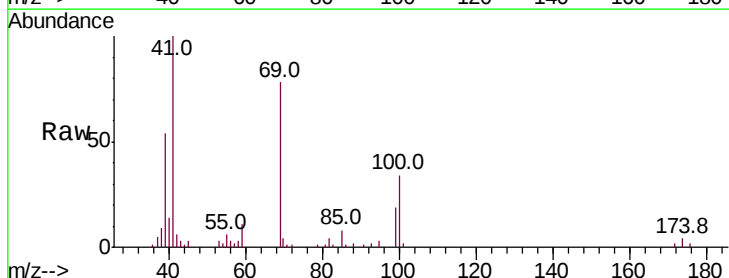
Tgt Ion: 41 Resp: 153165

Ion Ratio Lower Upper

41 100

69 78.3 64.2 96.2

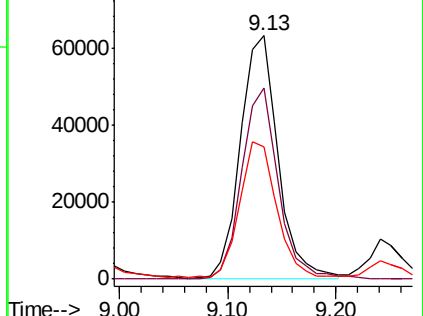
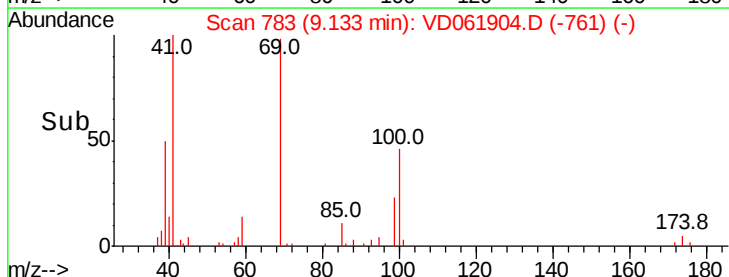
39 54.4 46.8 70.2

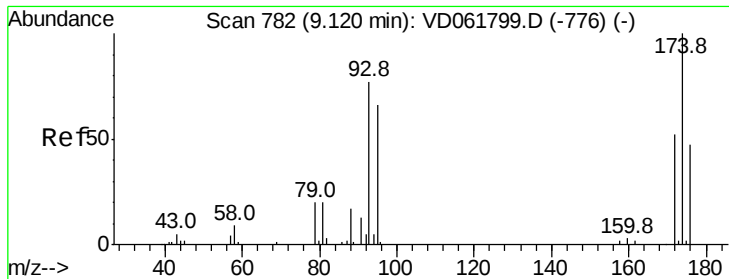


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

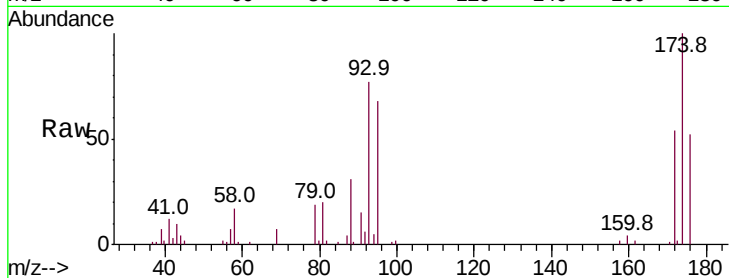
Tot Ion: 88 Resp: 33946

Ion Ratio Lower Upper

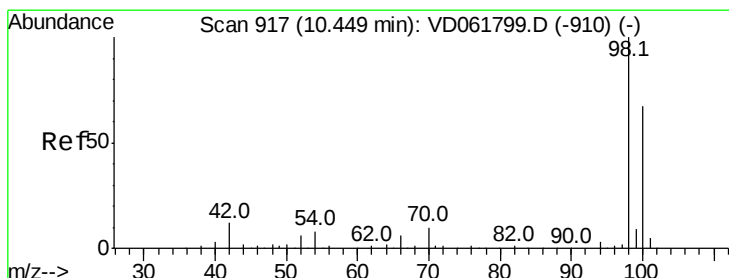
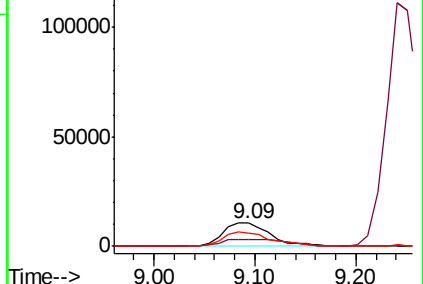
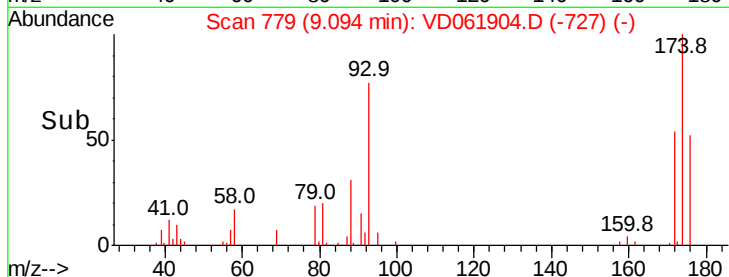
88 100

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: 44.438 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061904.D

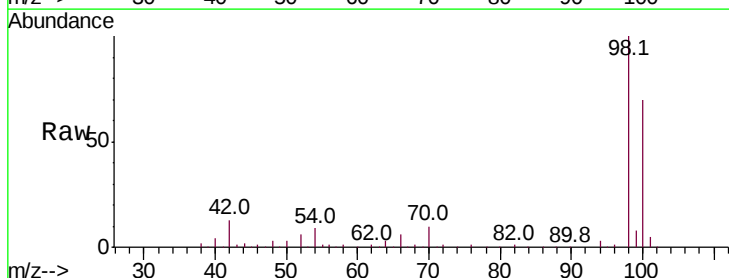
Acq: 19 Apr 2019 12:01

Tgt Ion: 98 Resp: 842569

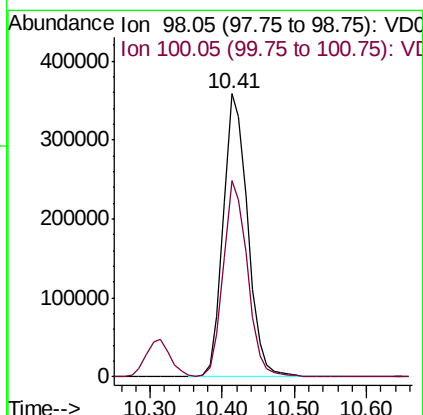
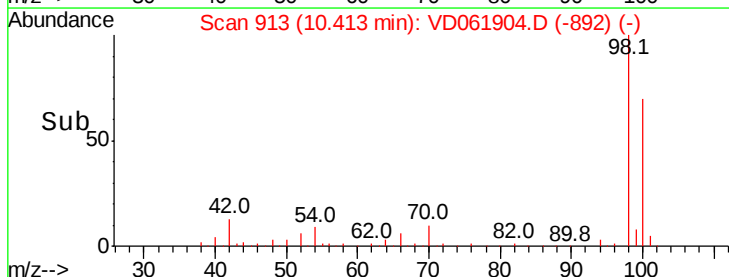
Ion Ratio Lower Upper

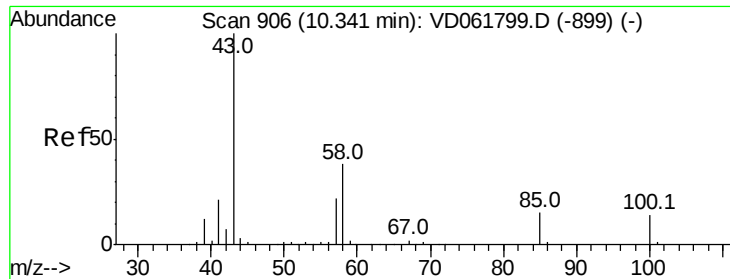
98 100

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 :

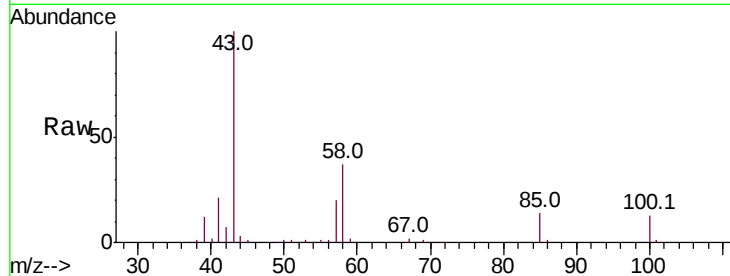
VSTDCCC050

Tot Ion: 43 Resp: 837891

Ion Ratio Lower Upper

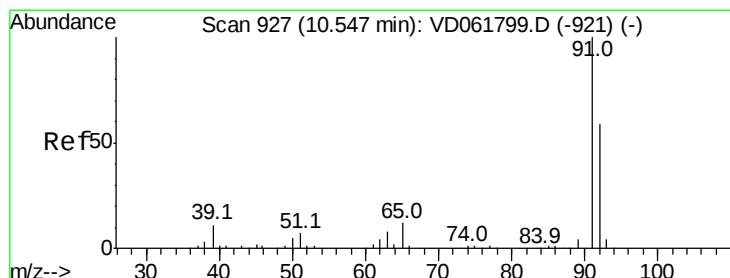
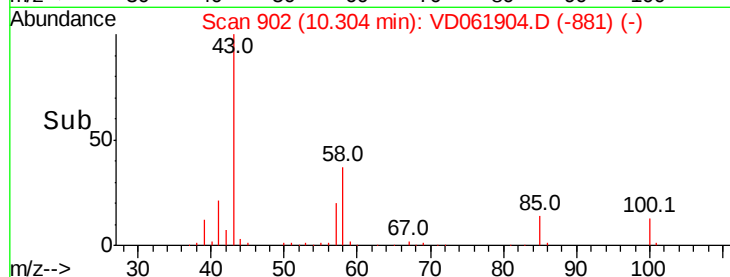
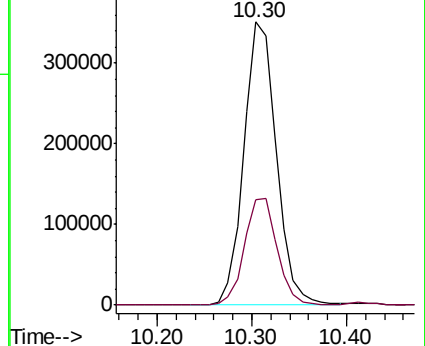
43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.314 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061904.D

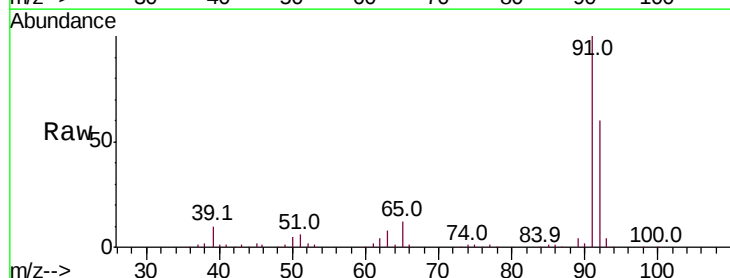
Acq: 19 Apr 2019 12:01

Tgt Ion: 92 Resp: 656657

Ion Ratio Lower Upper

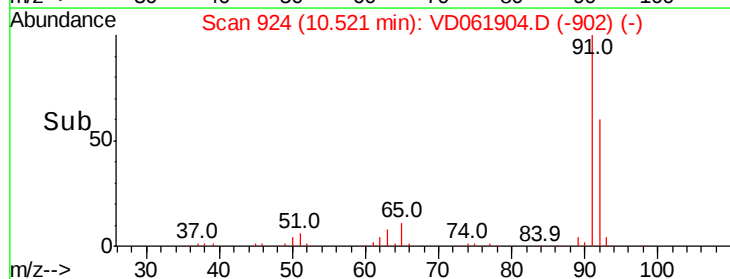
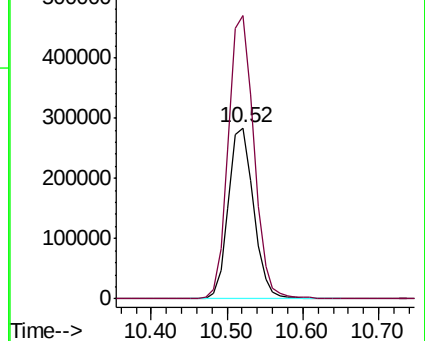
92 100

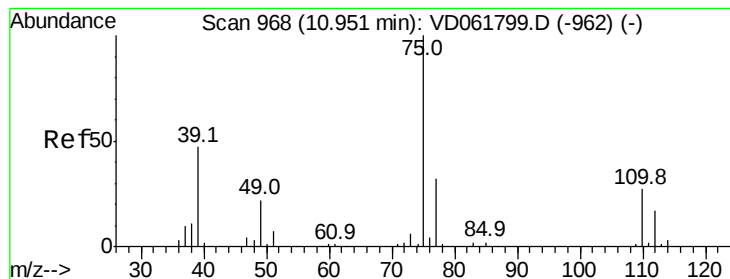
91 165.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#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 :

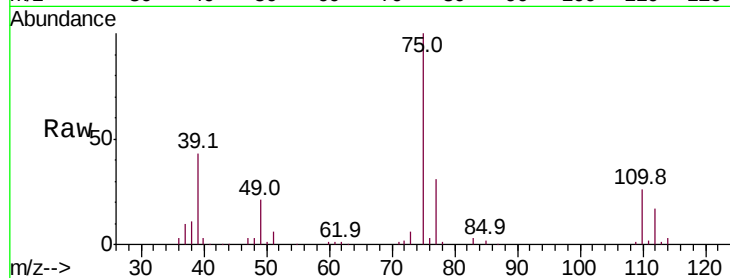
VSTDCCC050

Tot Ion: 75 Resp: 365204

Ion Ratio Lower Upper

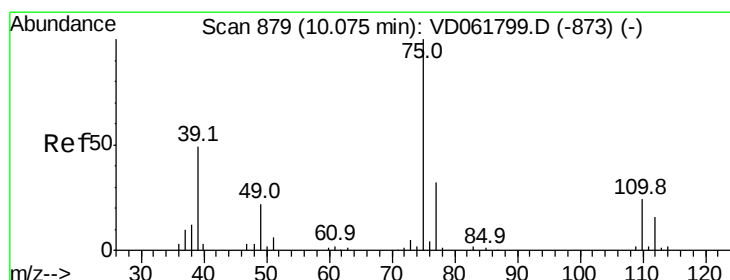
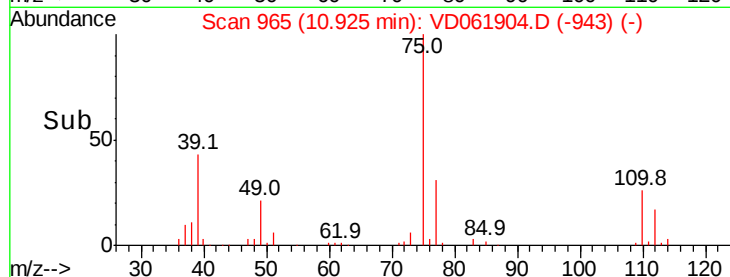
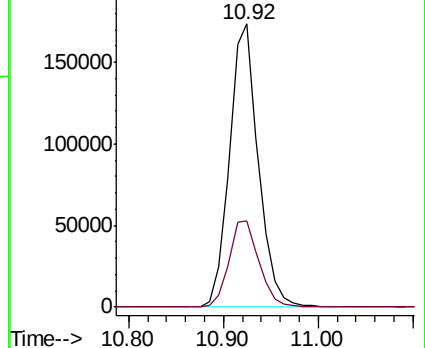
75 100

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



#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

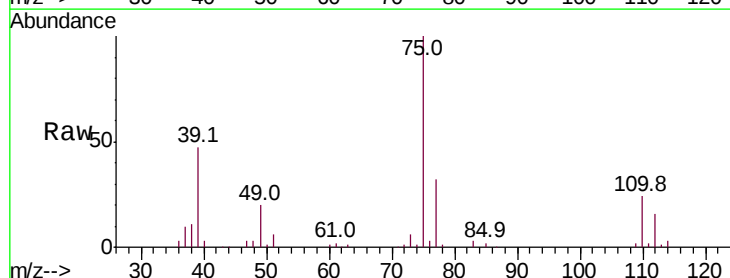
Tgt Ion: 75 Resp: 475992

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

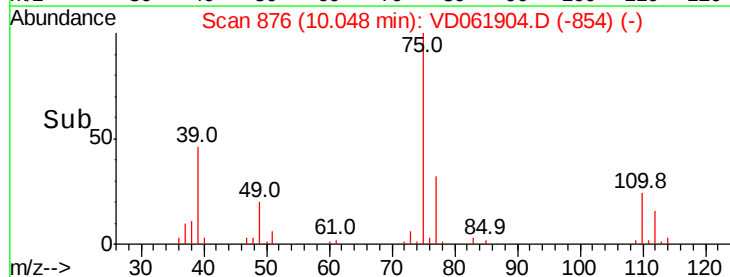
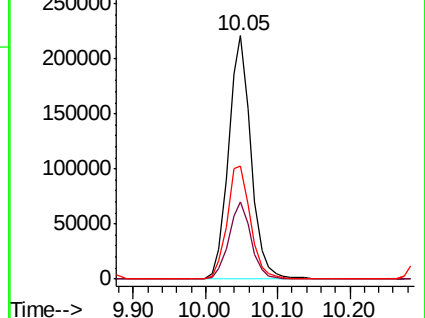
39 46.6 39.4 59.2

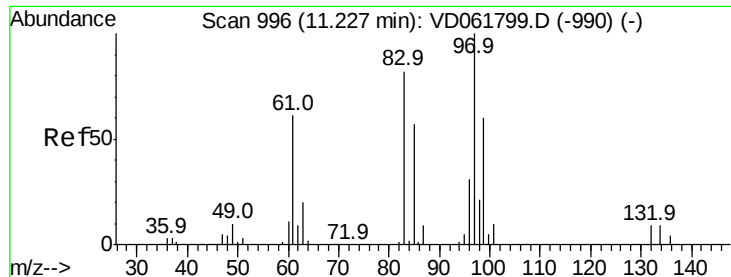


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#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

Tot Ion: 97 Resp: 213177

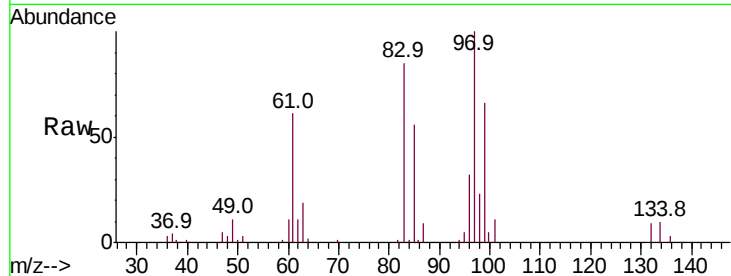
Ion Ratio Lower Upper

97 100

83 85.1 65.7 98.5

85 56.1 45.6 68.4

99 65.5 48.4 72.6

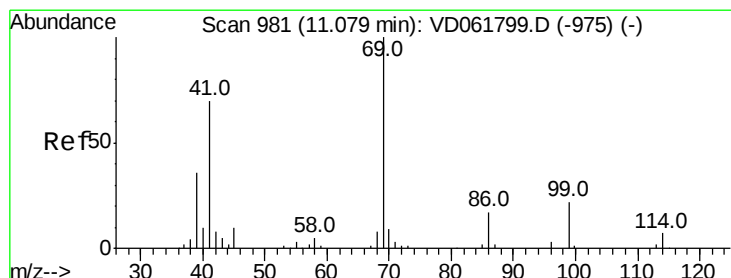
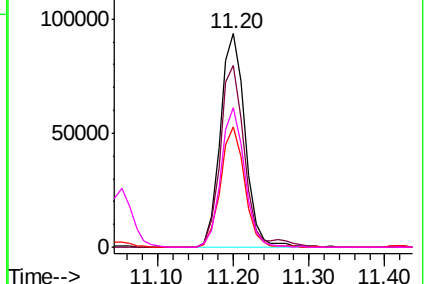
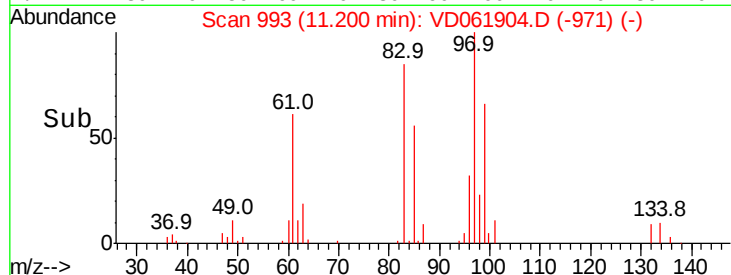


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

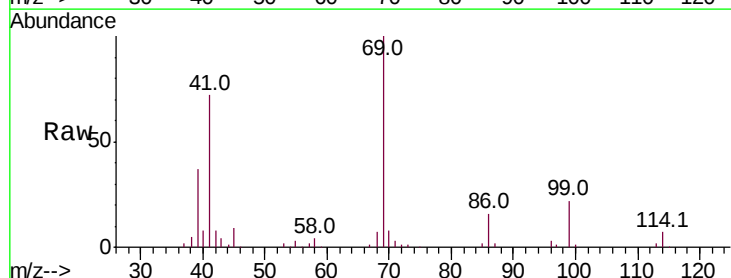
Tgt Ion: 69 Resp: 237839

Ion Ratio Lower Upper

69 100

41 71.7 56.3 84.5

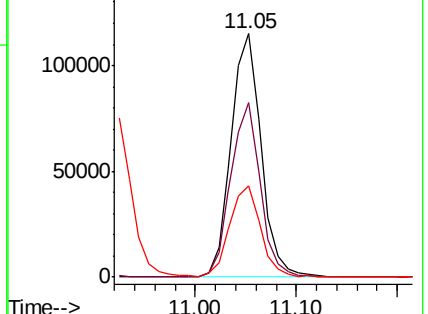
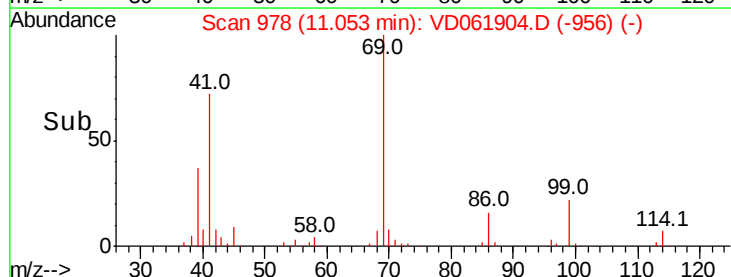
39 37.5 29.4 44.2

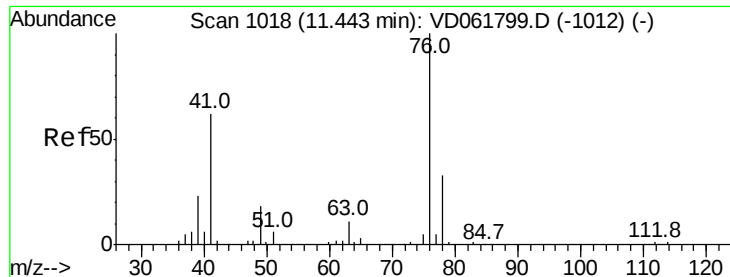


Abundance Ion 69.00 (68.70 to 69.70): VDC

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

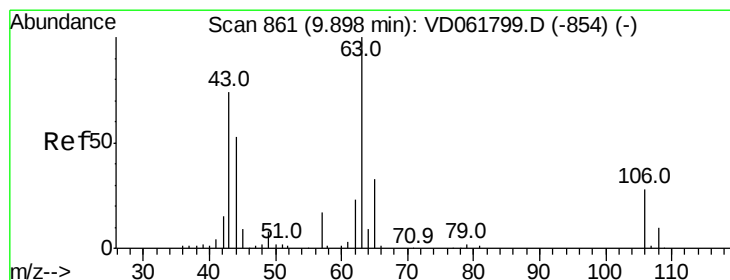
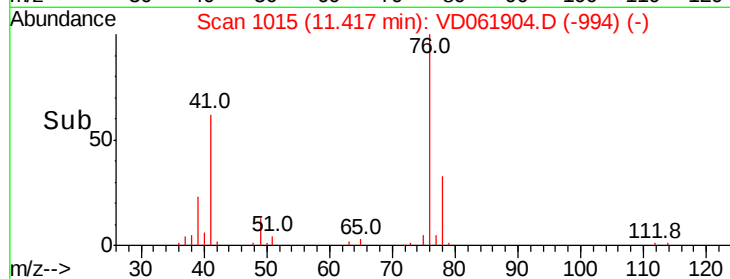
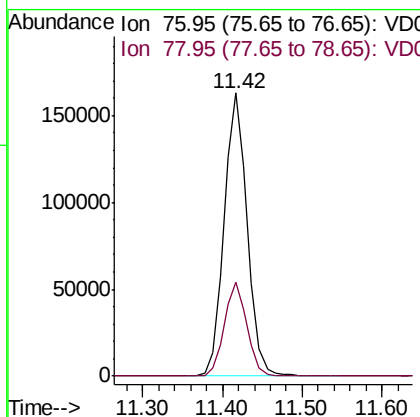
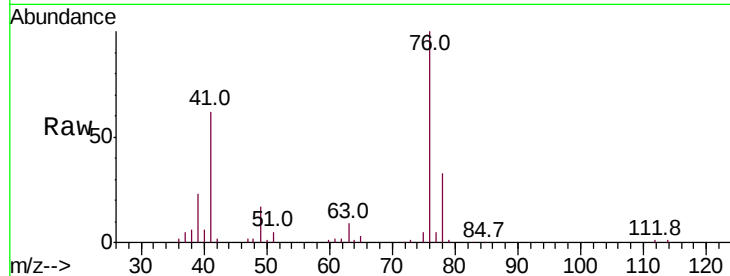
Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot 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

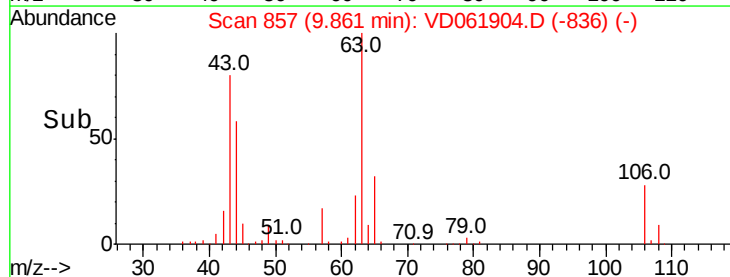
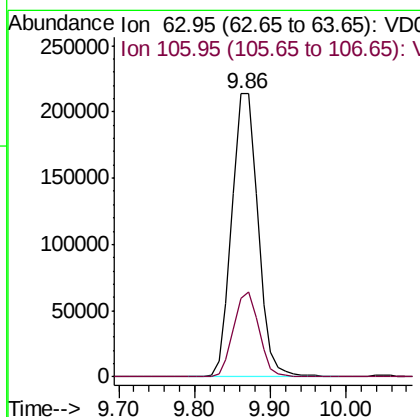
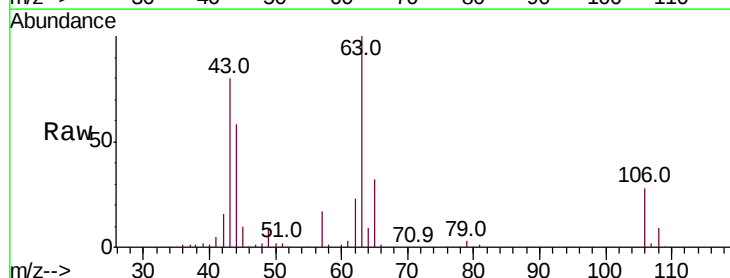
Delta R.T. 0.00 min

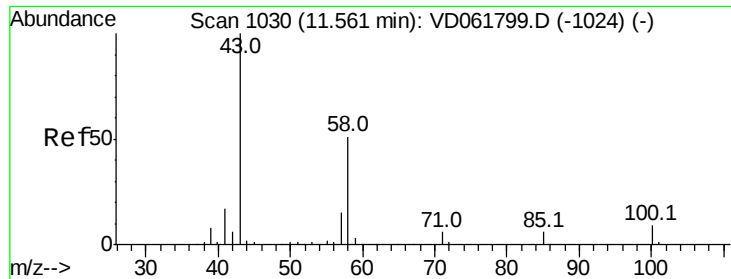
Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

Tgt Ion: 63 Resp: 511731

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.6	34.0

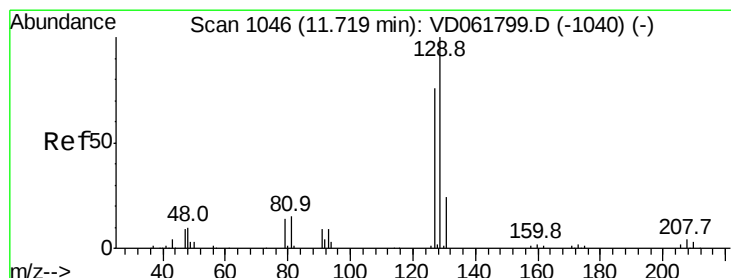
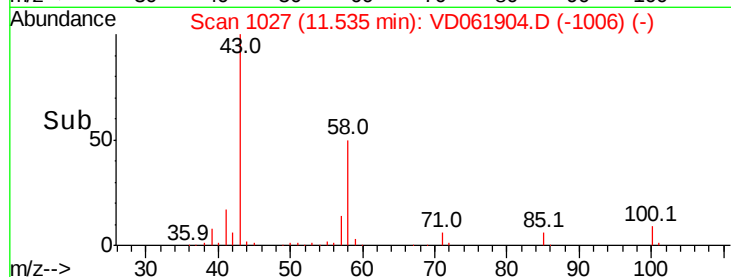
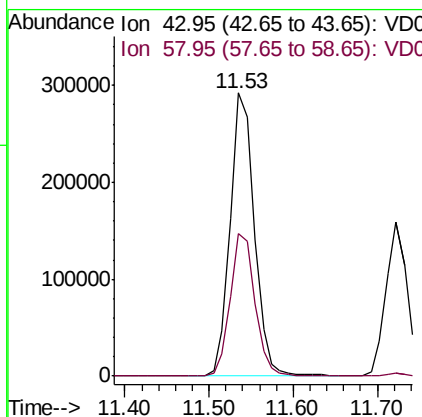
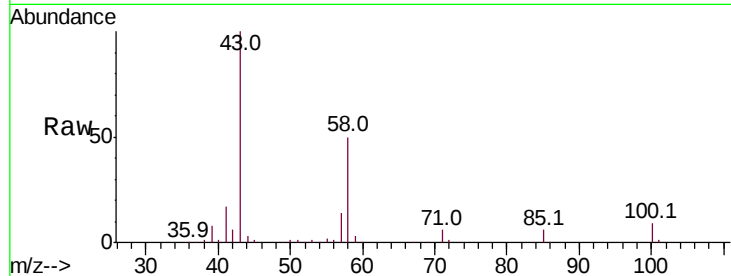




#59
2-Hexanone
Concen: 248.357 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

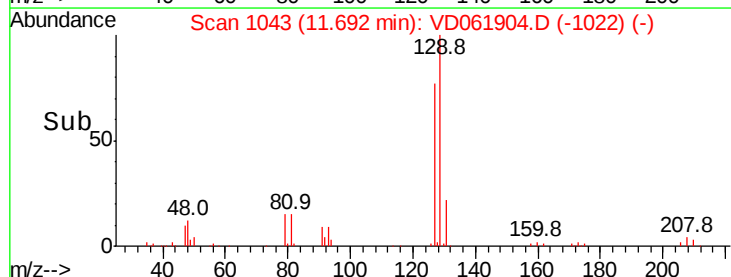
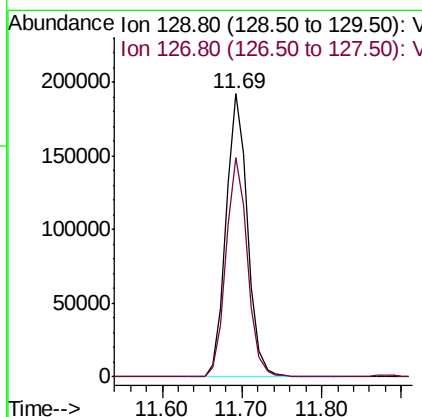
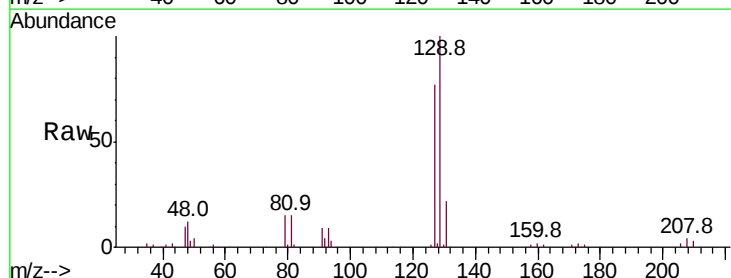
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

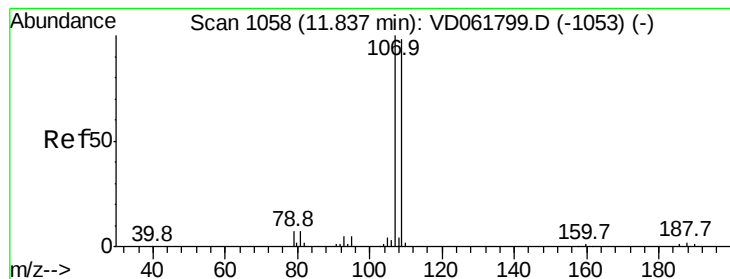
Tot Ion: 43 Resp: 588042
Ion Ratio Lower Upper
43 100
58 50.2 25.4 76.4



#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 :

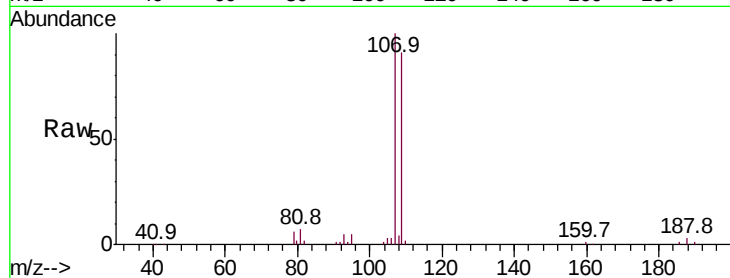
VSTDCCC050

Tot Ion:107 Resp: 269091

Ion Ratio Lower Upper

107 100

109 91.0 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

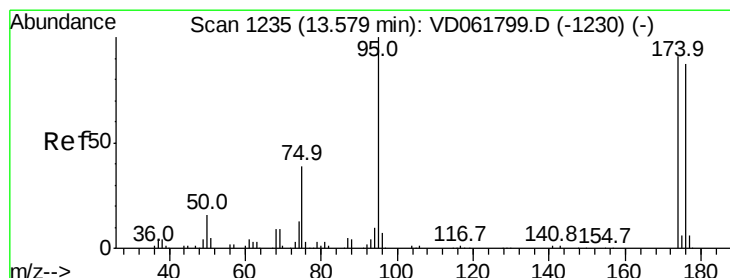
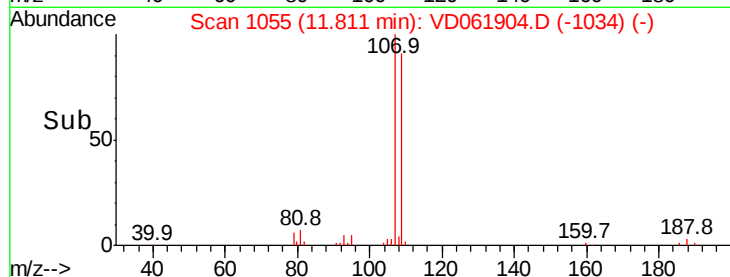
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 47.001 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061904.D

Acq: 19 Apr 2019 12:01

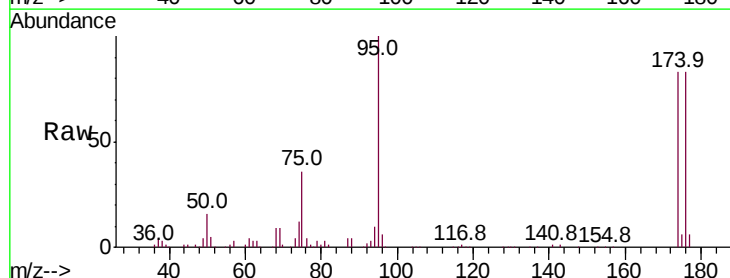
Tgt Ion: 95 Resp: 361206

Ion Ratio Lower Upper

95 100

174 83.5 0.0 181.8

176 82.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

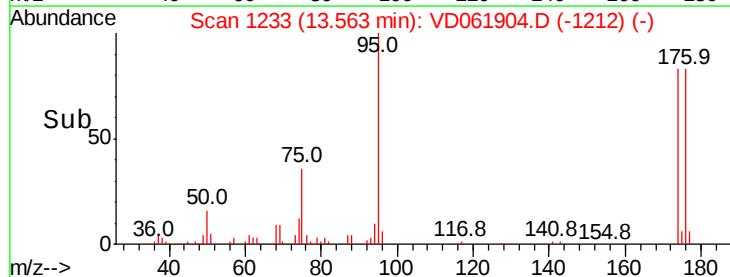
300000

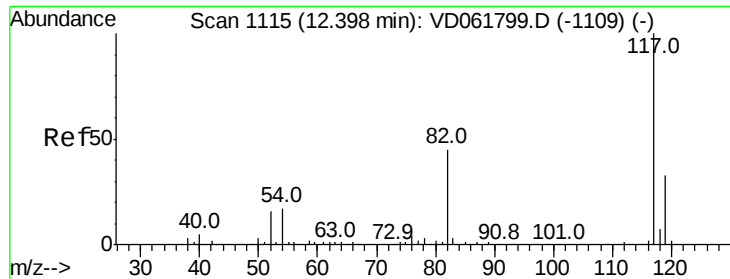
200000

100000

0

Time--> 13.50 13.60

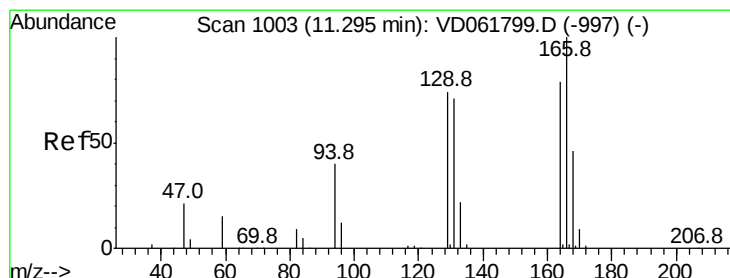
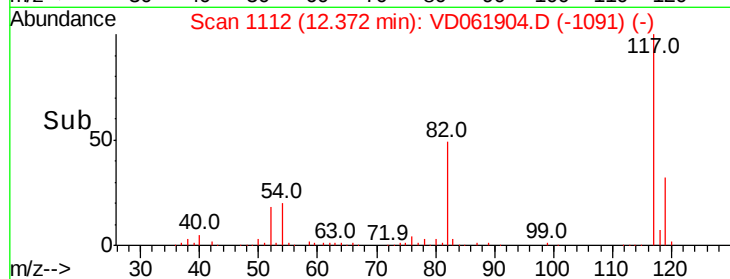
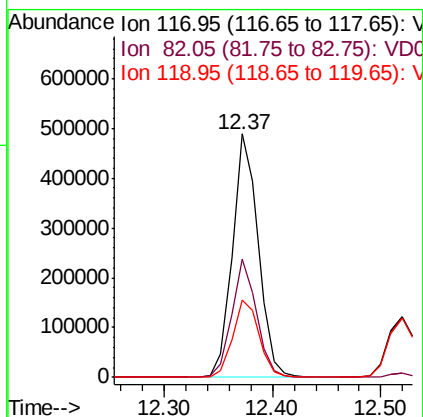
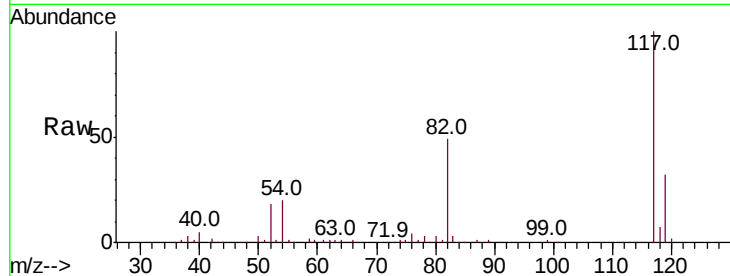




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

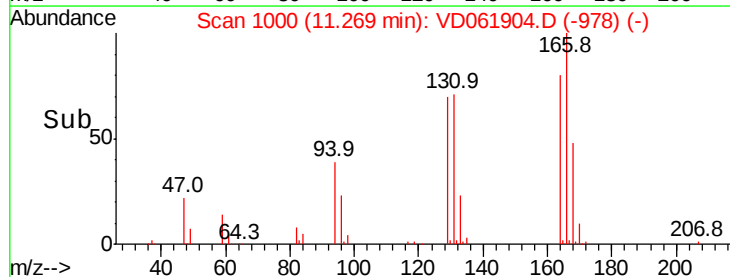
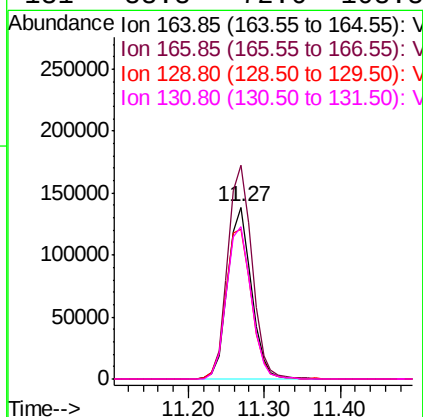
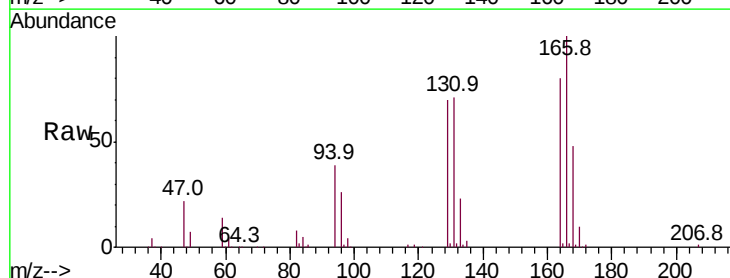
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

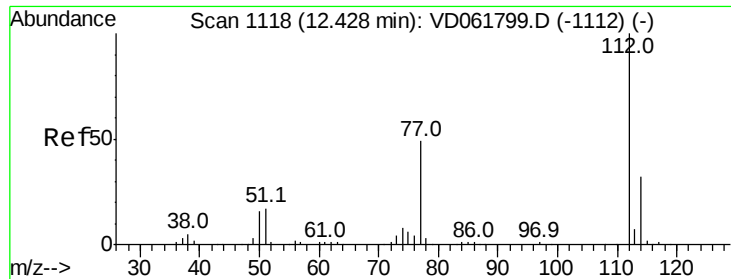
Tot Ion:117 Resp: 810155
Ion Ratio Lower Upper
117 100
82 48.5 36.2 54.2
119 31.8 26.2 39.4



#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

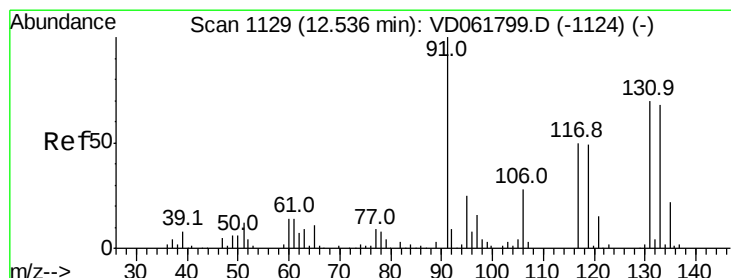
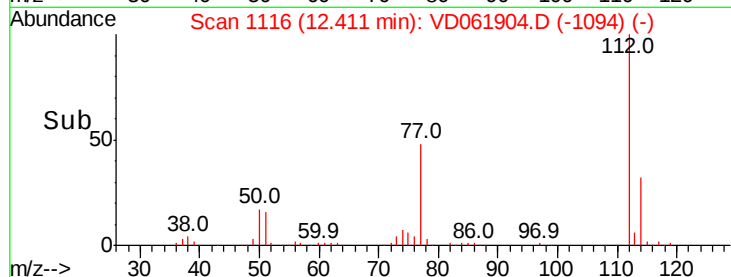
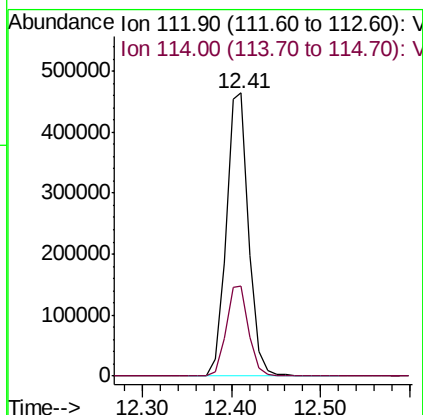
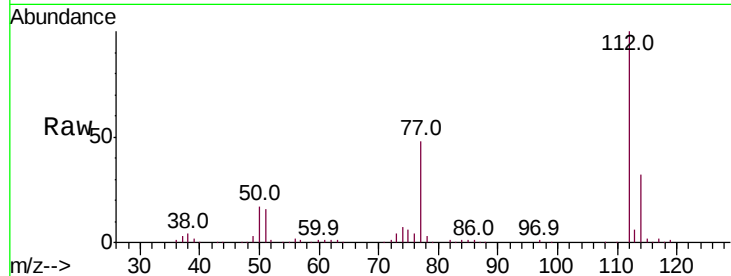




#65
Chlorobenzene
Concen: 54.397 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

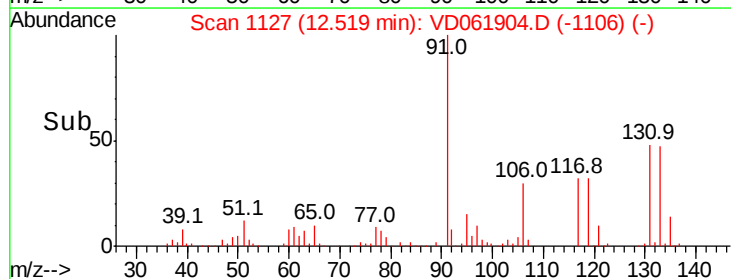
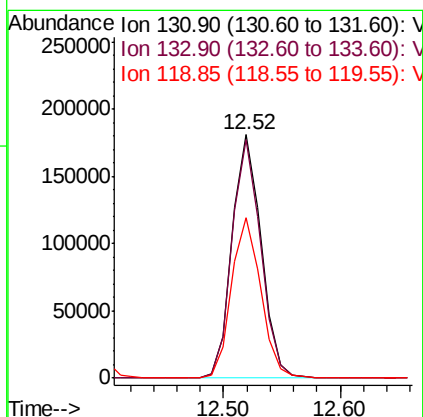
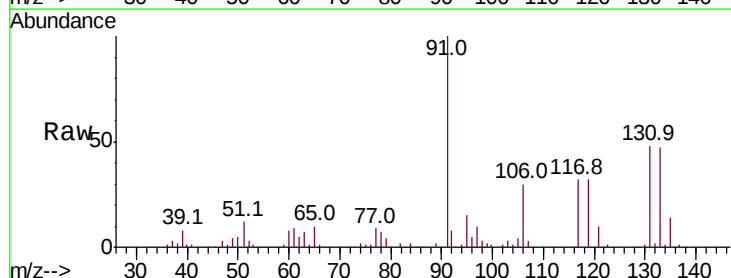
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

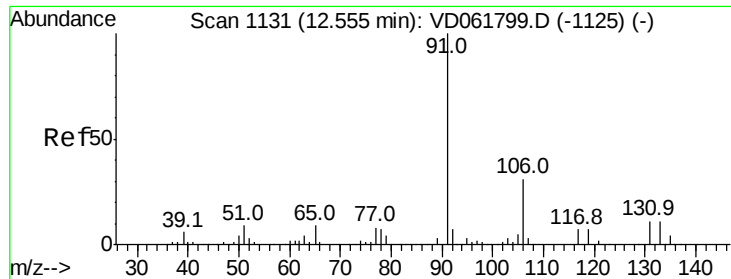
Tot Ion:112 Resp: 820732
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#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

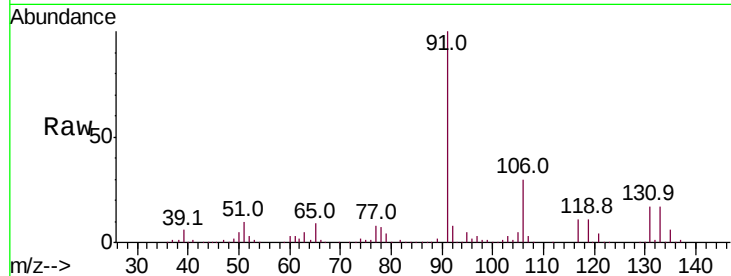




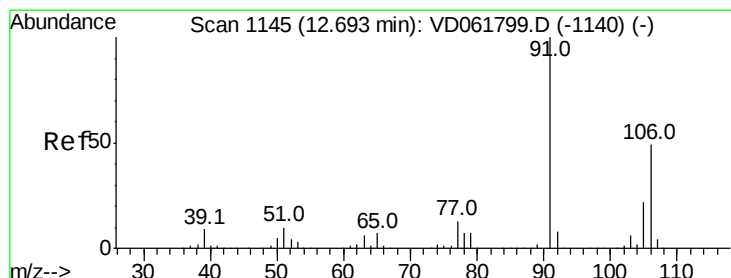
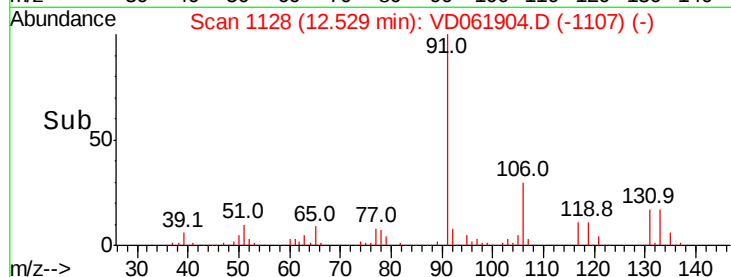
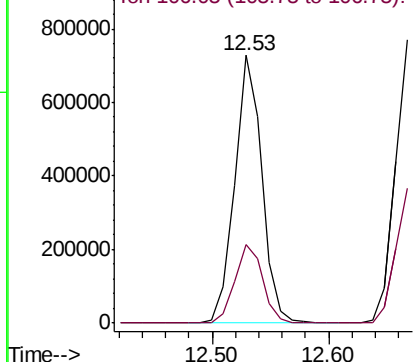
#67
Ethyl Benzene
Concen: 48.592 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

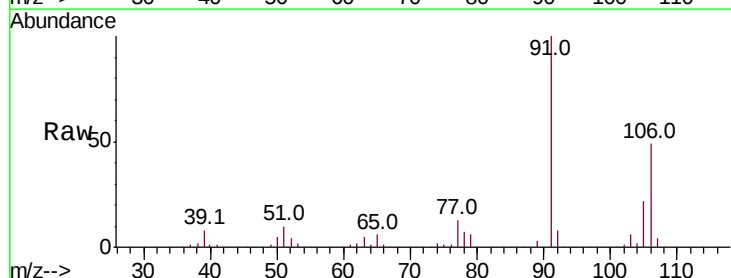


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

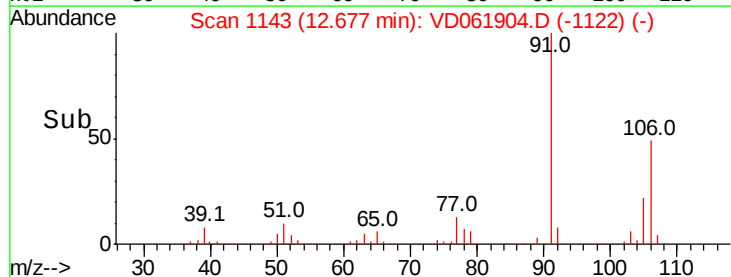
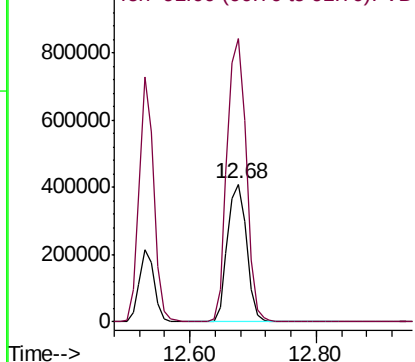


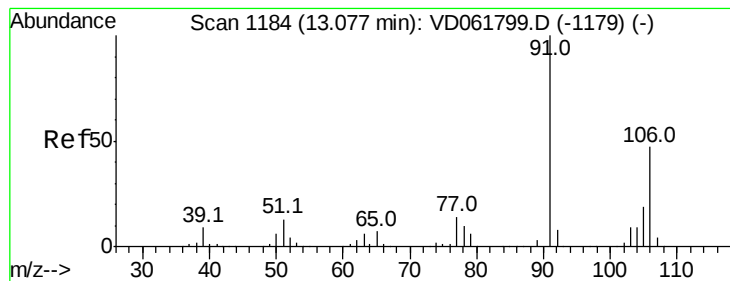
#68
m/p-Xylenes
Concen: 94.782 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

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



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





#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 :

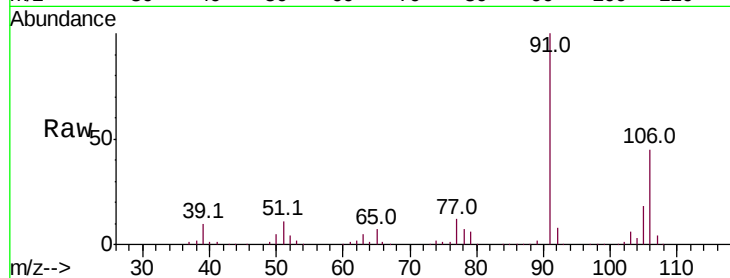
VSTDCCC050

Tot Ion:106 Resp: 432354

Ion Ratio Lower Upper

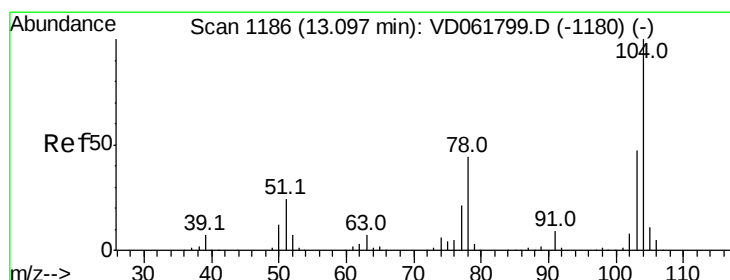
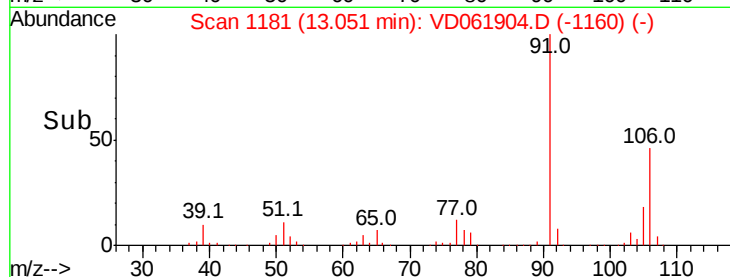
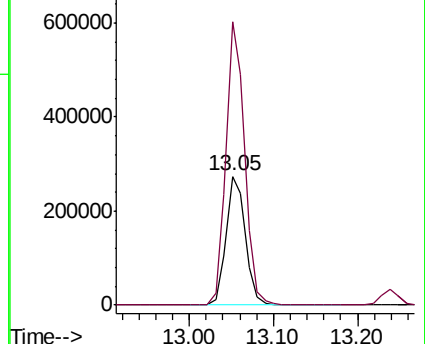
106 100

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): VDC



#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

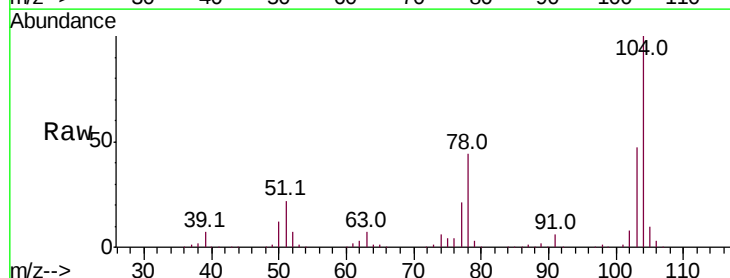
Tgt Ion:104 Resp: 708853

Ion Ratio Lower Upper

104 100

78 43.7 35.4 53.2

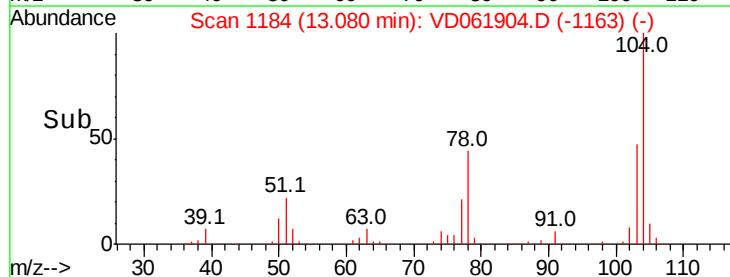
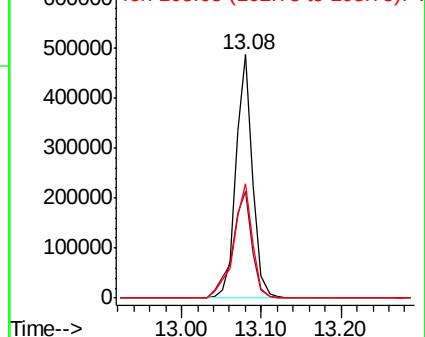
103 47.1 37.5 56.3

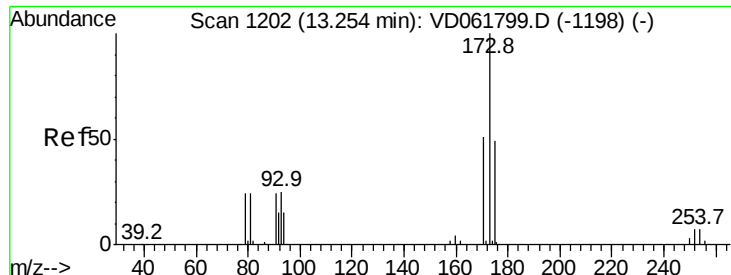


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#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

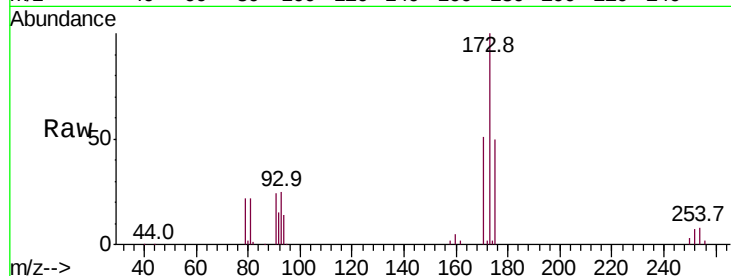
Tot Ion:173 Resp: 208858

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.4

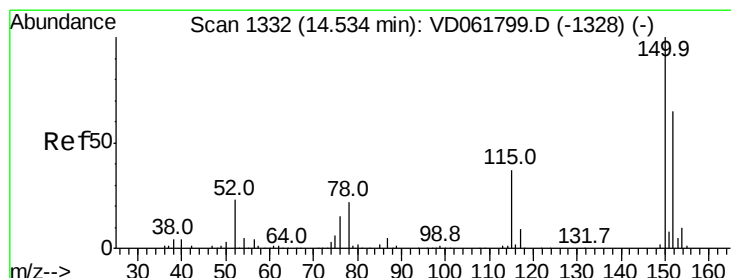
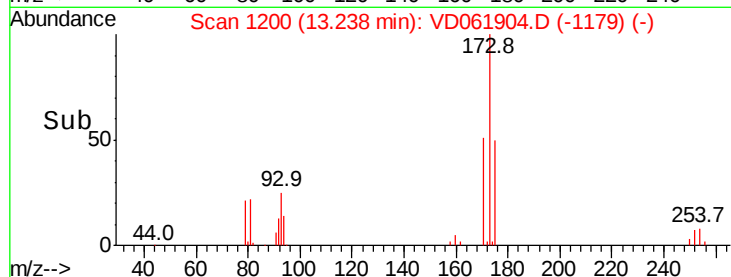
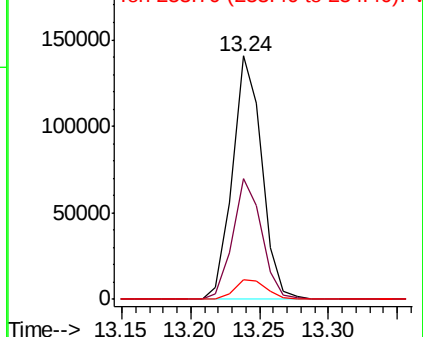
254 7.8 5.4 8.2



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

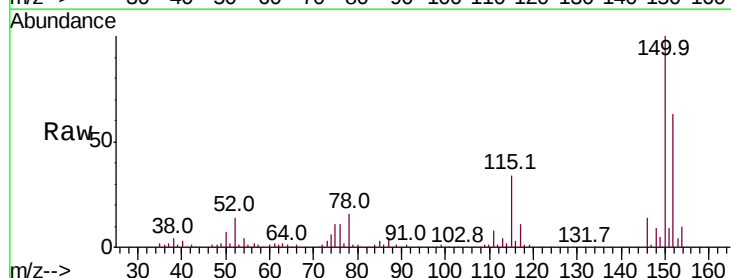
Tgt Ion:152 Resp: 386945

Ion Ratio Lower Upper

152 100

115 53.1 30.9 92.7

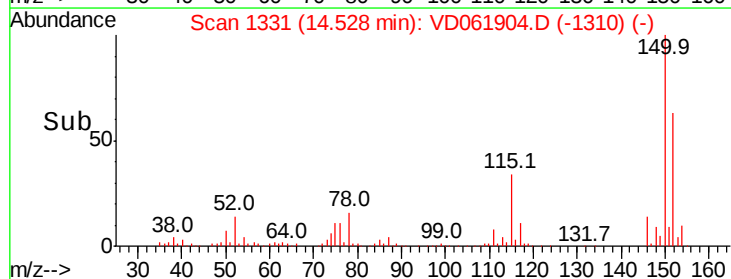
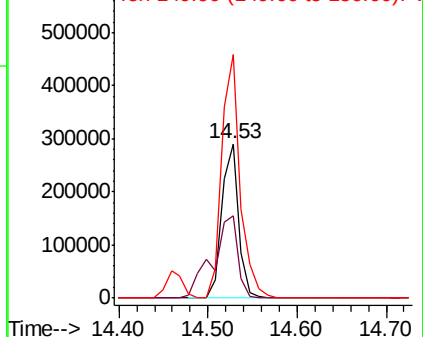
150 157.9 0.0 314.8

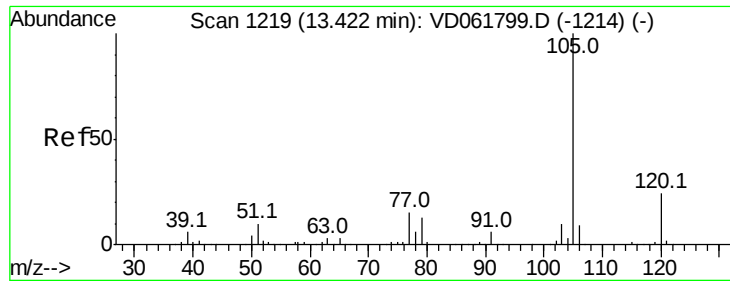


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

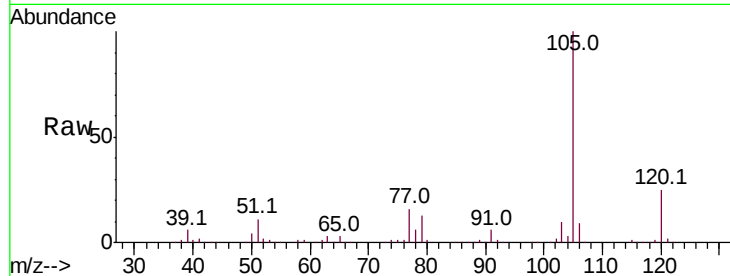
VSTDCCC050

Tot Ion:105 Resp: 1171025

Ion Ratio Lower Upper

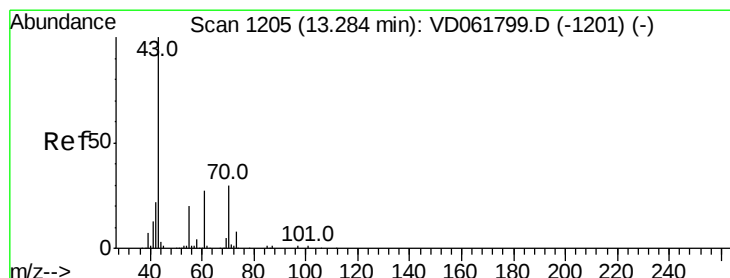
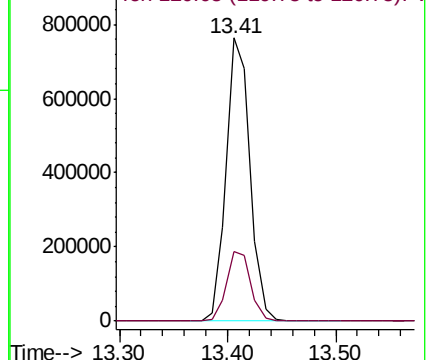
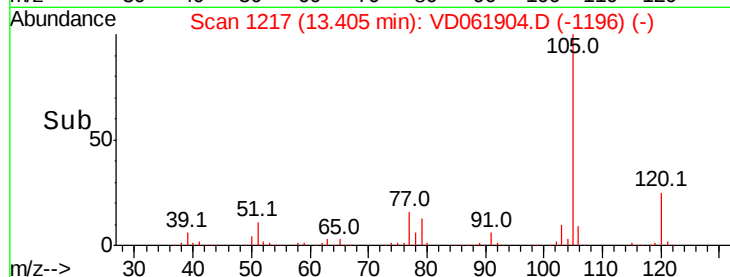
105 100

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

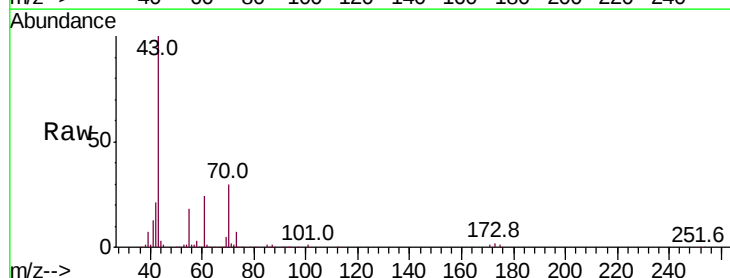
Ion Ratio Lower Upper

43 100

70 29.7 24.2 36.4

55 17.9 16.0 24.0

61 24.2 21.6 32.4

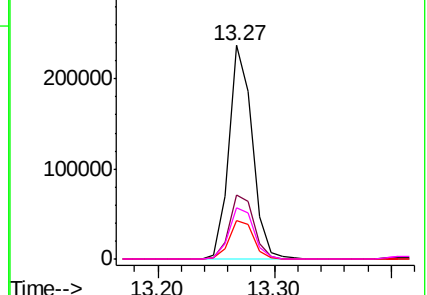
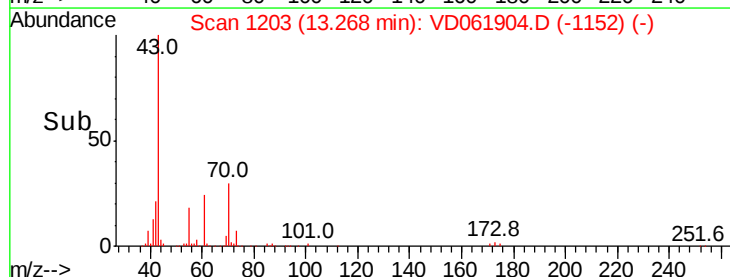


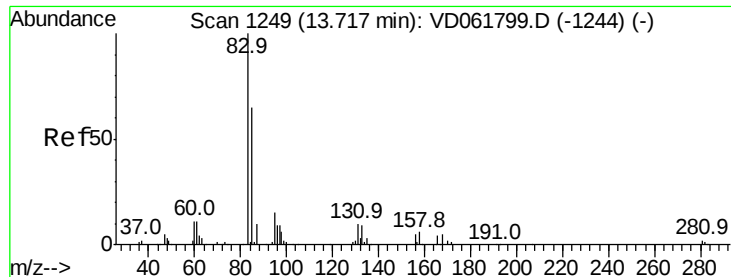
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#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

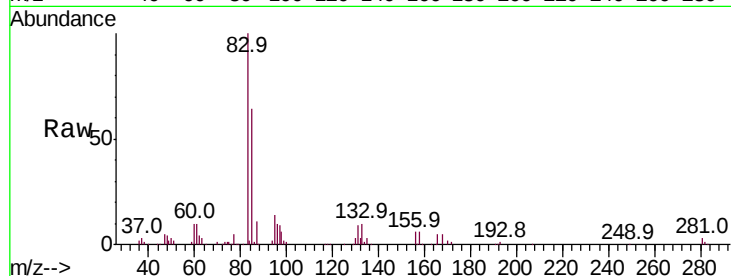
Tot Ion: 83 Resp: 262139

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

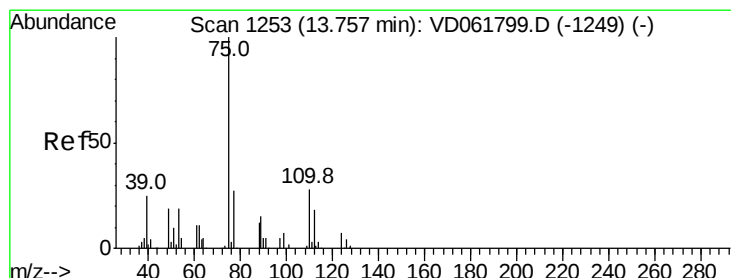
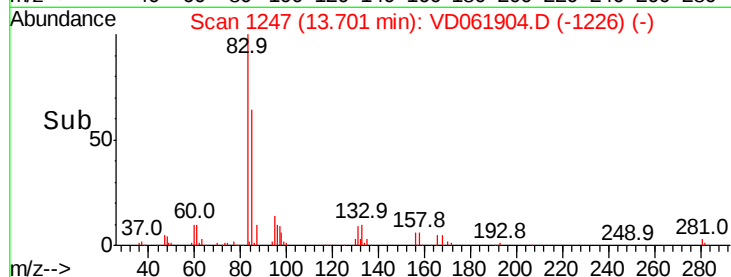
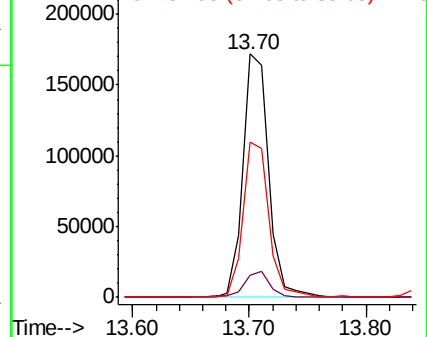
85 63.6 32.6 97.7



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

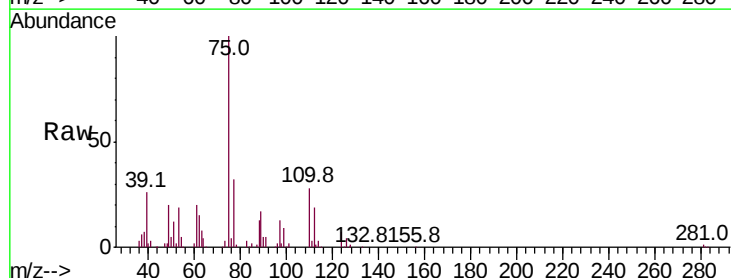
Acq: 19 Apr 2019 12:01

Tgt Ion: 75 Resp: 263685

Ion Ratio Lower Upper

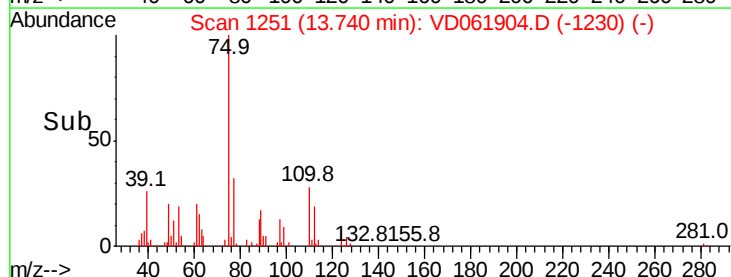
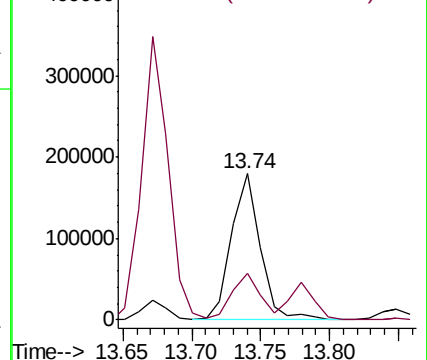
75 100

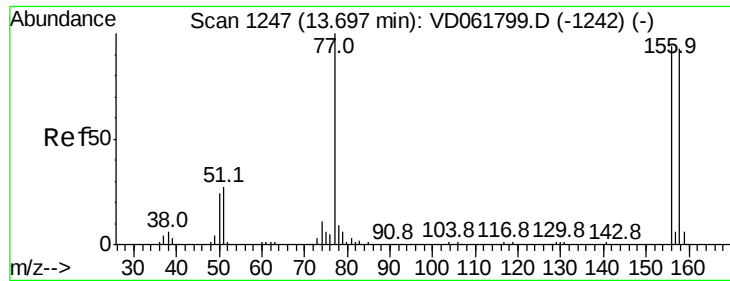
77 32.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

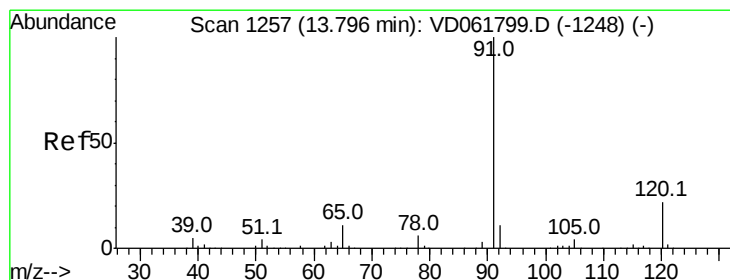
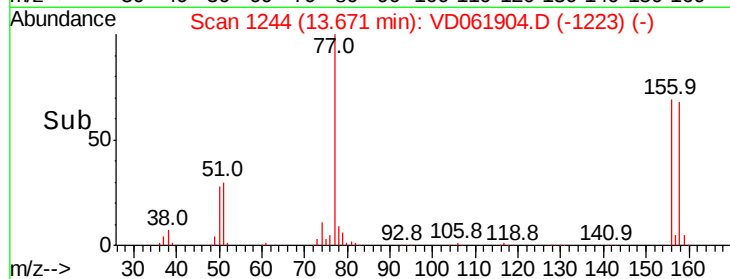
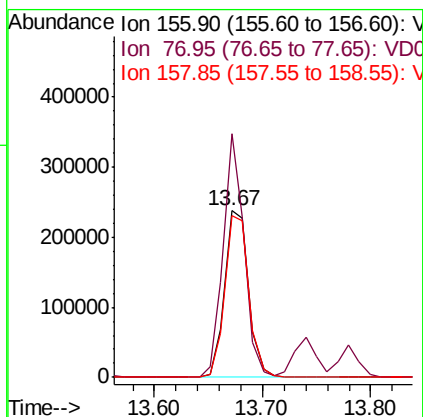
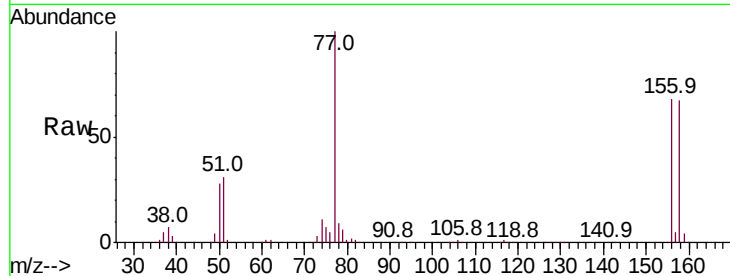




#77
Bromobenzene
Concen: 51.264 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

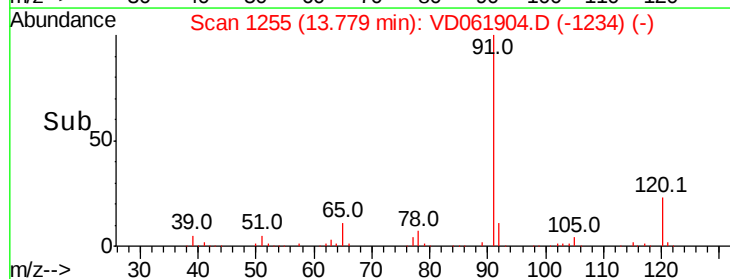
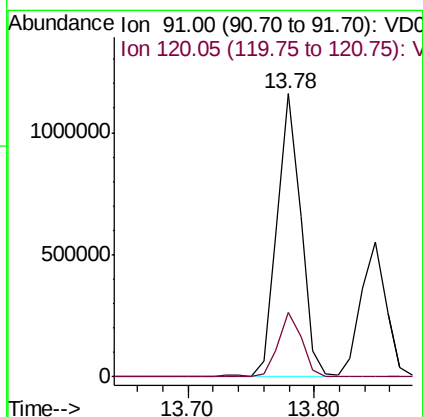
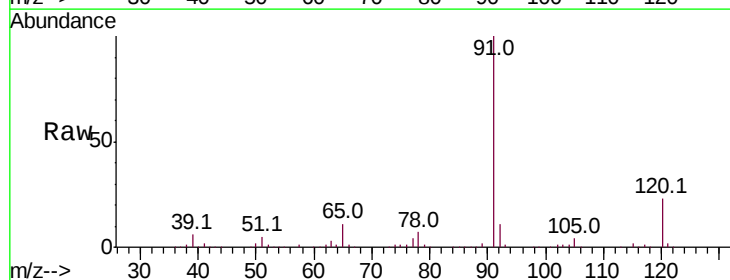
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

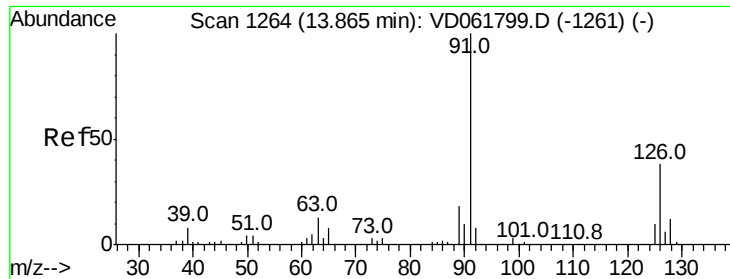
Tot Ion:156 Resp: 365431
Ion Ratio Lower Upper
156 100
77 146.3 53.1 159.4
158 97.5 49.4 148.0



#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

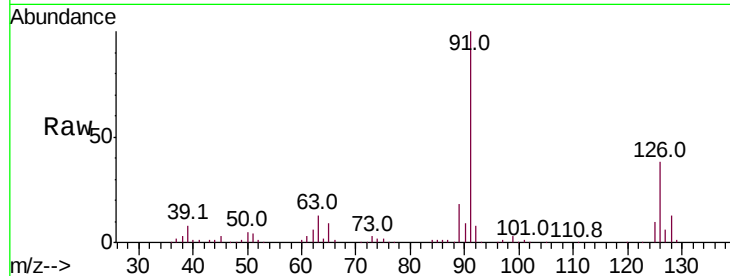




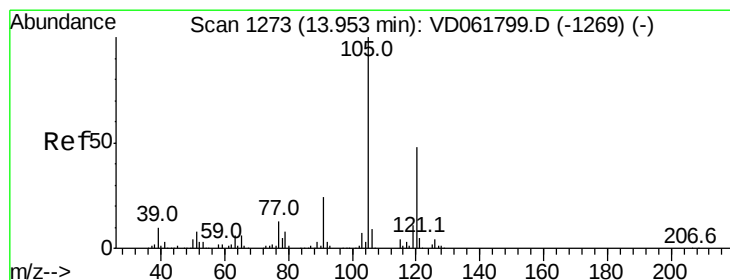
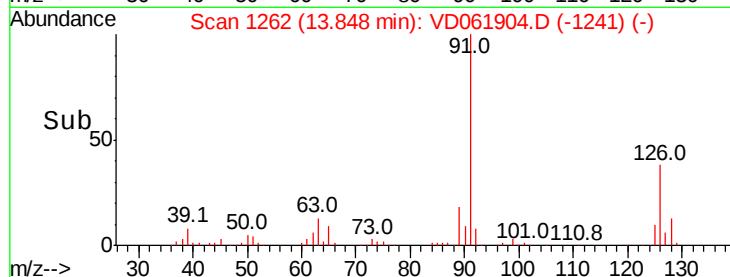
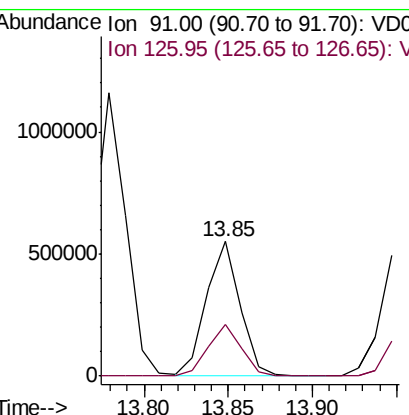
#79
 2-Chlorotoluene
 Concen: 45.097 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

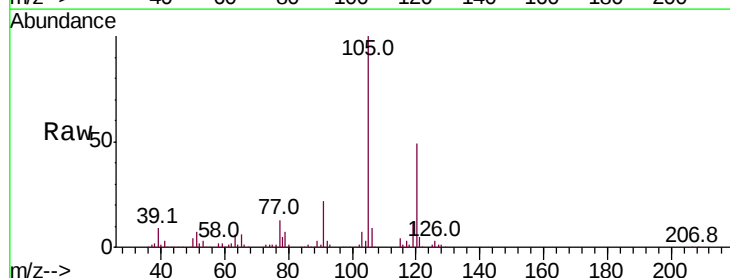


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

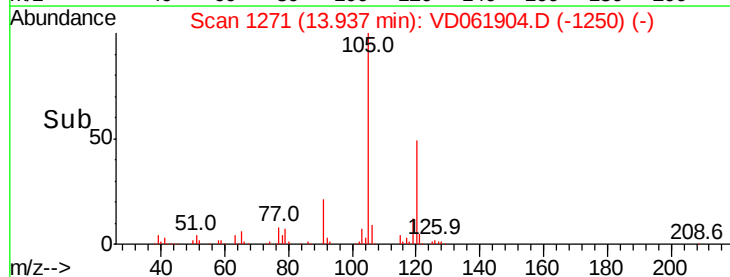
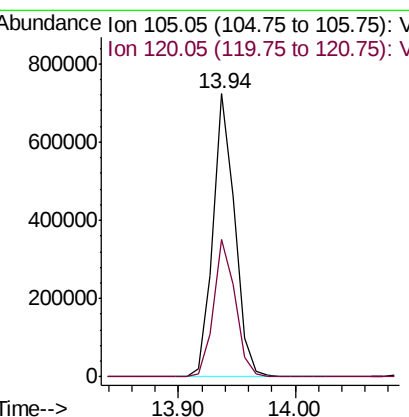


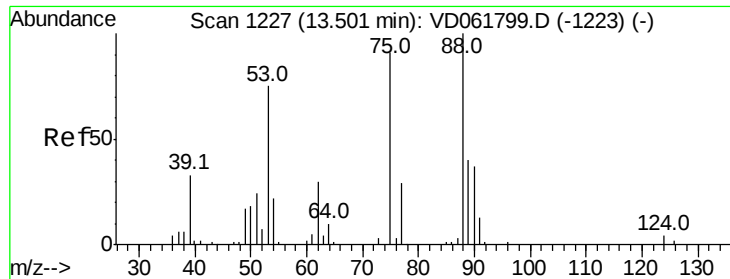
#80
 1,3,5-Trimethylbenzene
 Concen: 46.871 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

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): V
 Ion 120.05 (119.75 to 120.75): V





#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

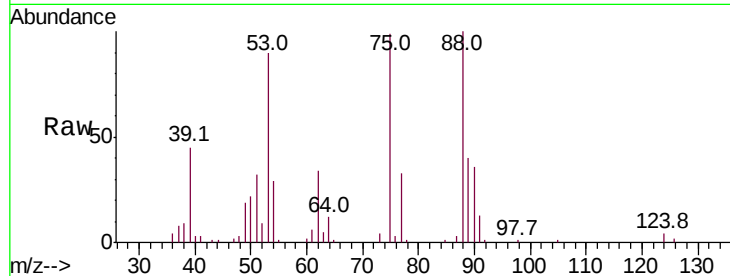
Tot Ion: 75 Resp: 74990

Ion Ratio Lower Upper

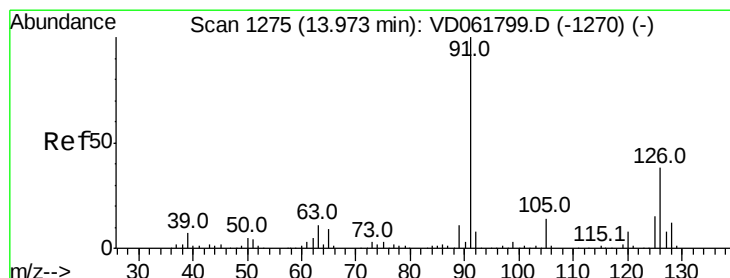
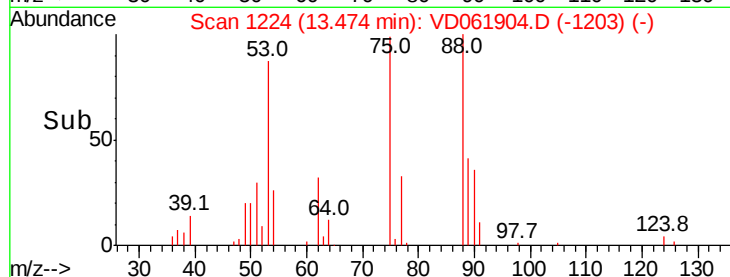
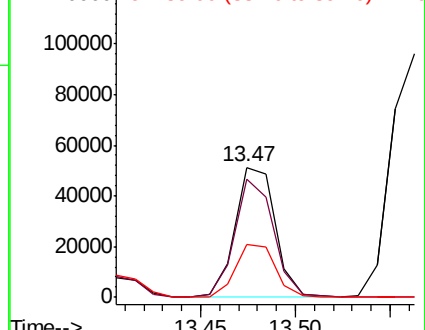
75 100

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

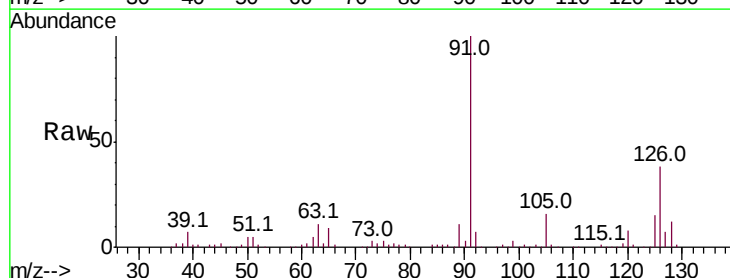
Acq: 19 Apr 2019 12:01

Tgt Ion: 91 Resp: 906300

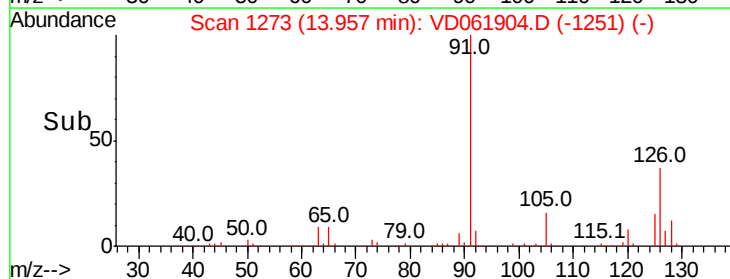
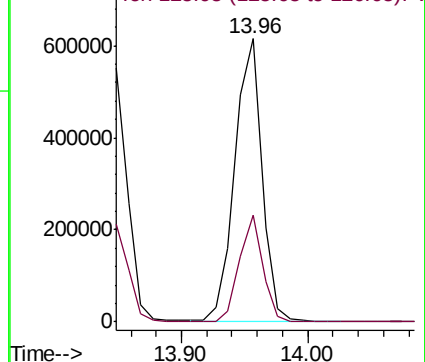
Ion Ratio Lower Upper

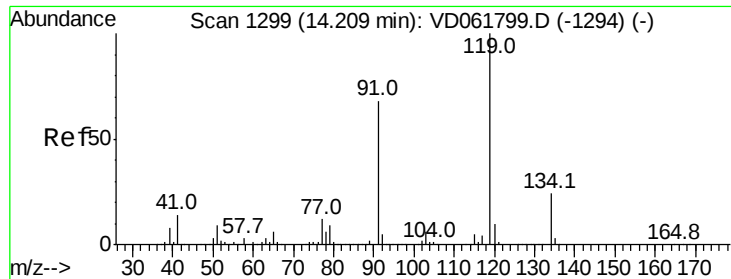
91 100

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

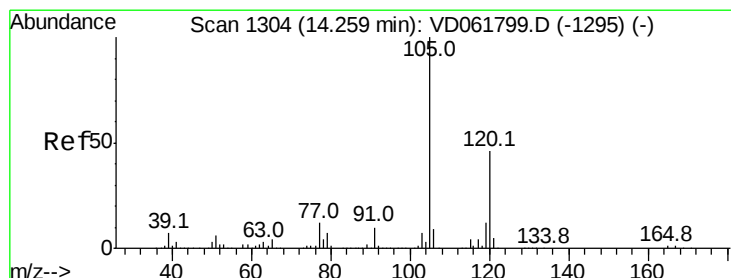
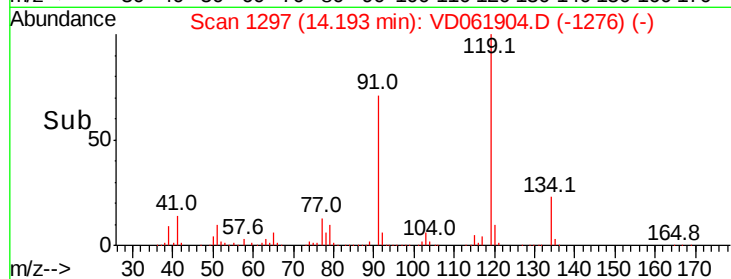
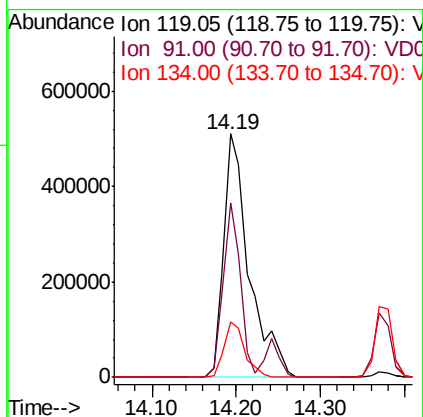
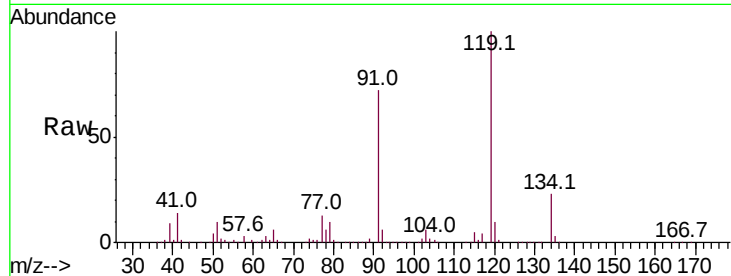




#83
 tert-Butylbenzene
 Concen: 46.088 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

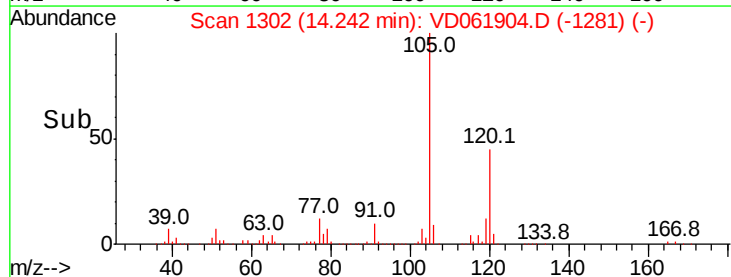
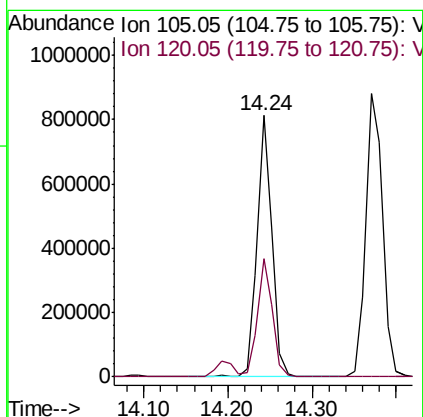
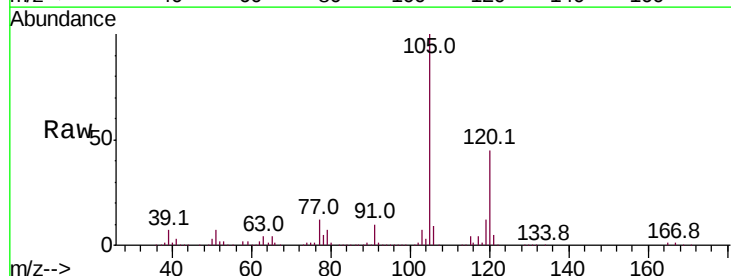
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

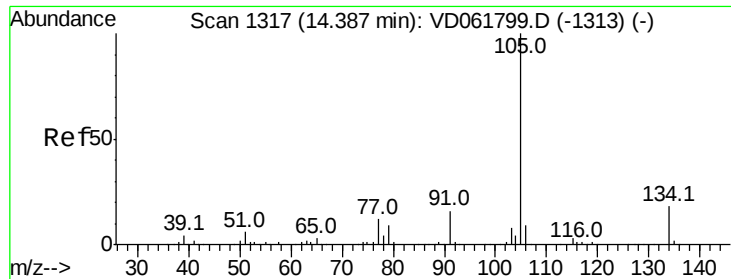
Tot Ion:119 Resp: 1077533
 Ion Ratio Lower Upper
 119 100
 91 71.8 34.2 102.6
 134 22.9 12.0 36.0



#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

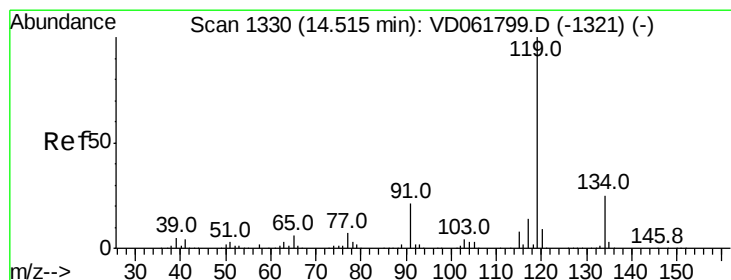
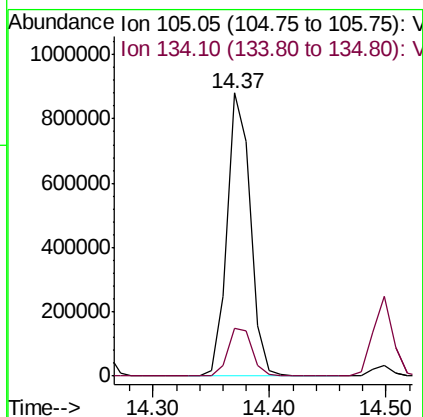
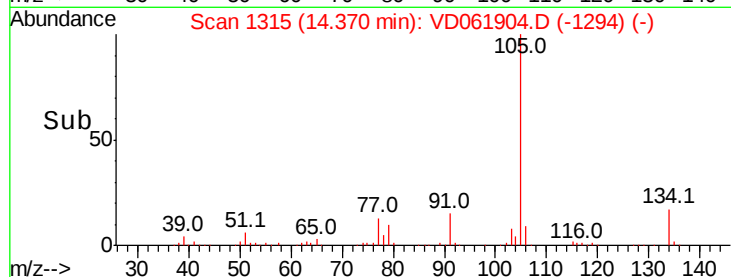
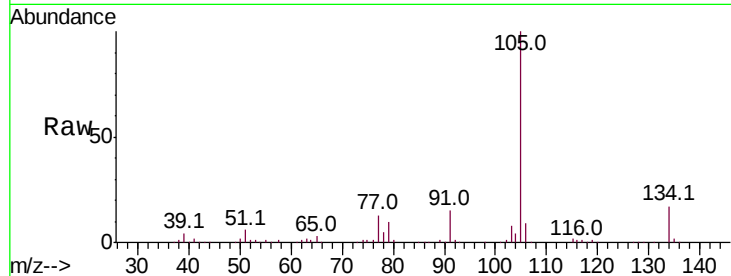




#85
 sec-Butylbenzene
 Concen: 50.310 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

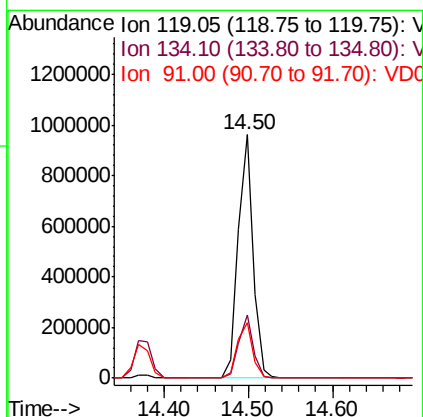
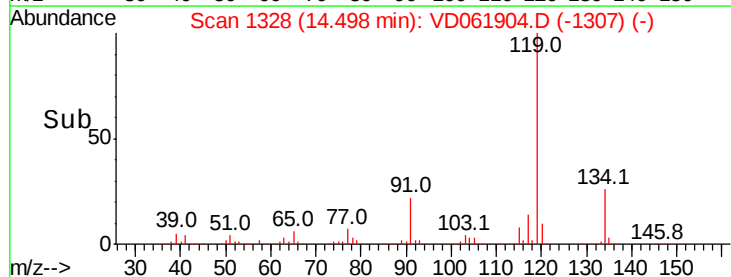
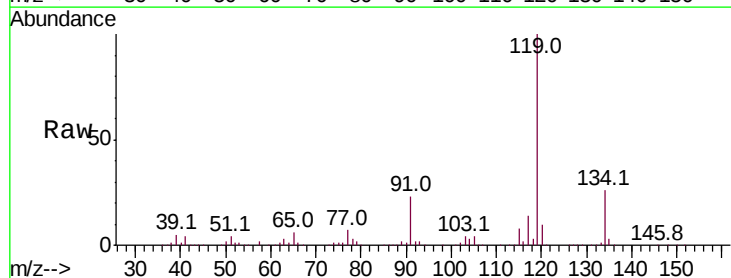
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

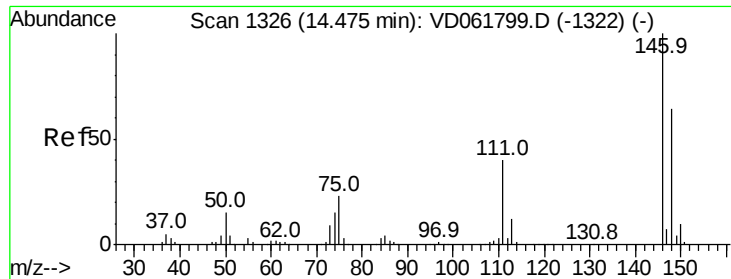
Tot Ion:105 Resp: 1215974
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.9 26.7



#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

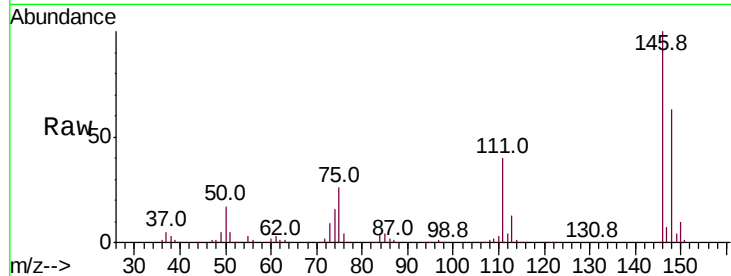
Tot Ion:146 Resp: 693336

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

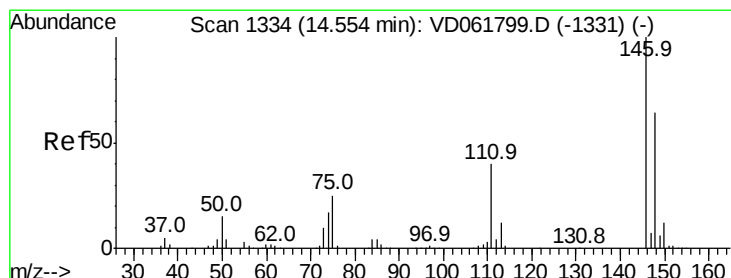
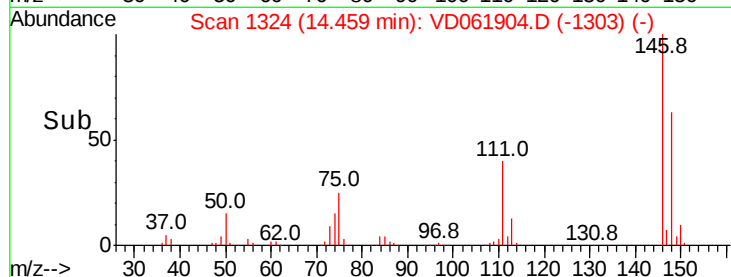
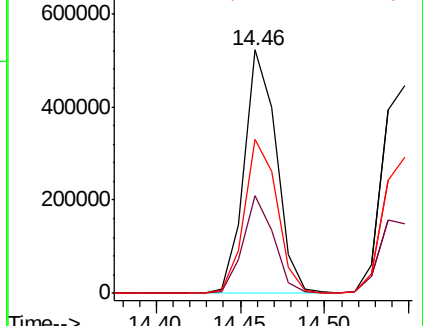
148 63.2 31.8 95.4



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



#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

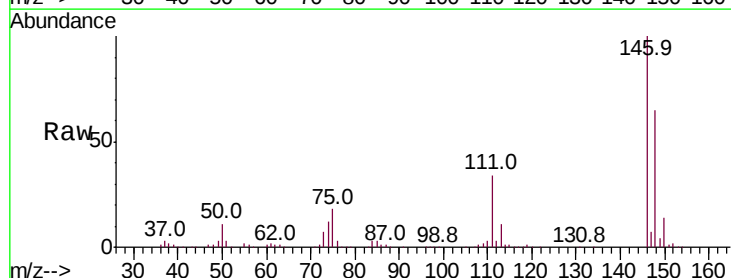
Tgt Ion:146 Resp: 610157

Ion Ratio Lower Upper

146 100

111 33.5 20.2 60.5

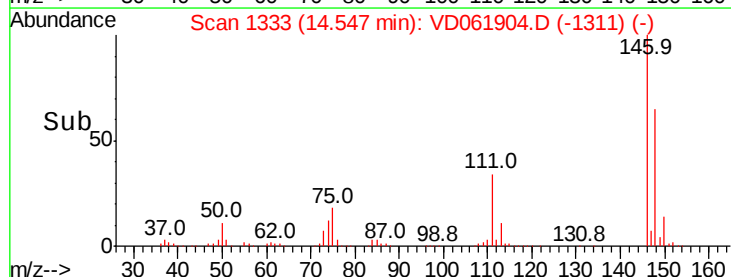
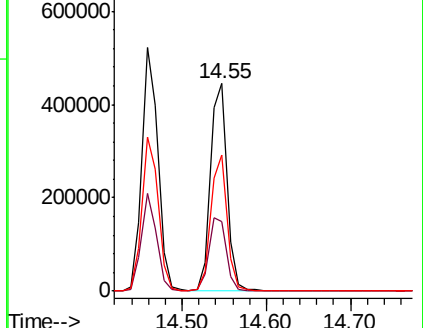
148 65.2 32.0 96.2

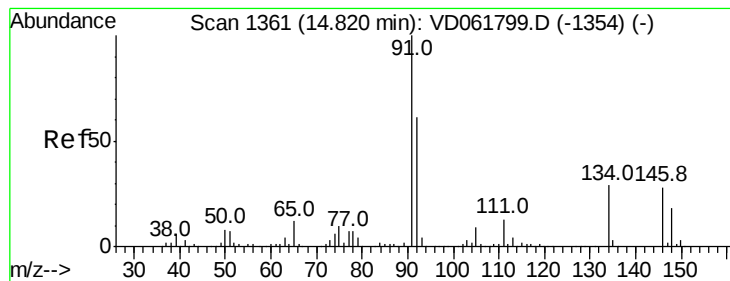


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#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

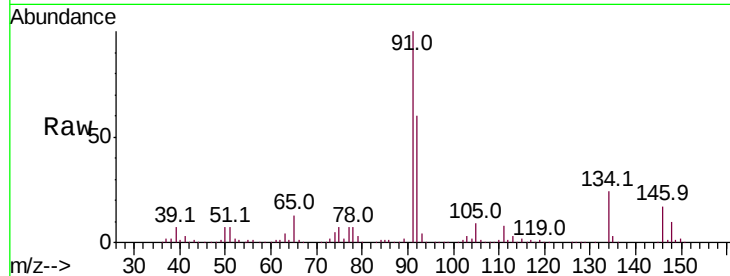
Tot Ion: 91 Resp: 1038843

Ion Ratio Lower Upper

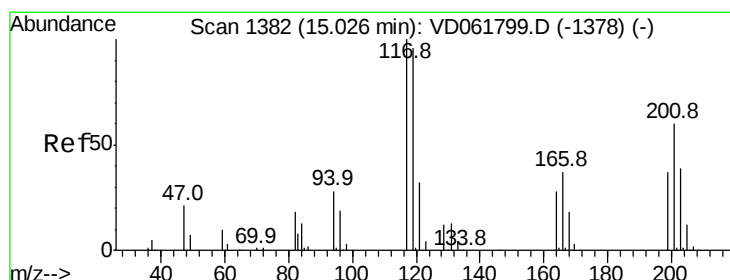
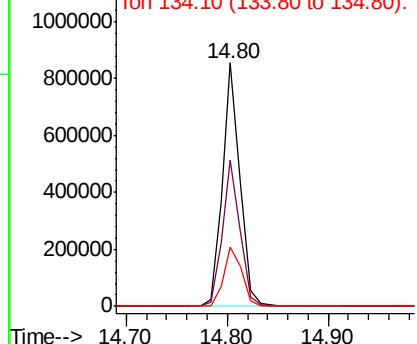
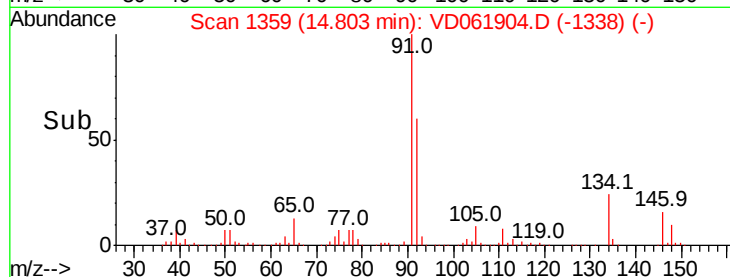
91 100

92 59.9 30.3 91.0

134 24.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 52.060 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061904.D

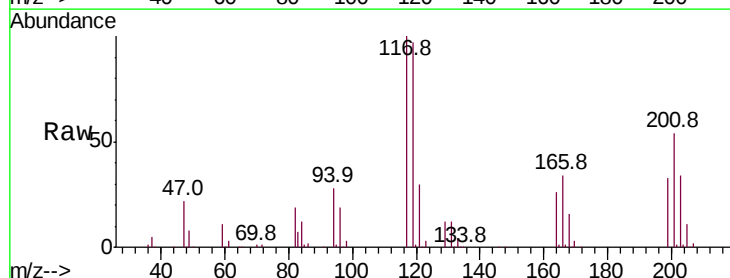
Acq: 19 Apr 2019 12:01

Tgt Ion: 117 Resp: 320880

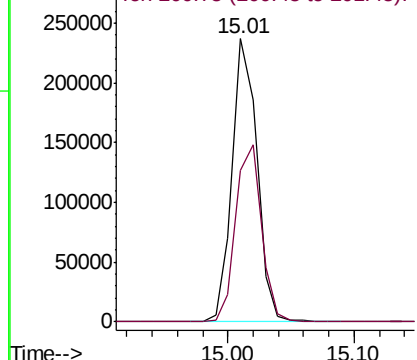
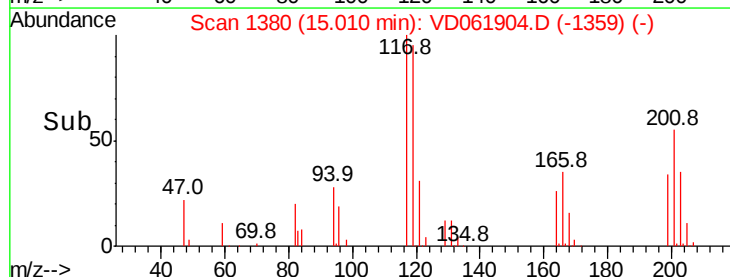
Ion Ratio Lower Upper

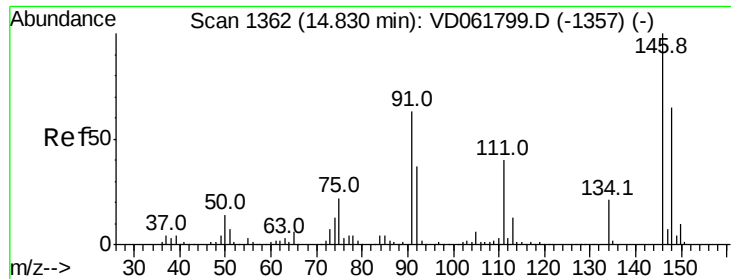
117 100

201 53.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

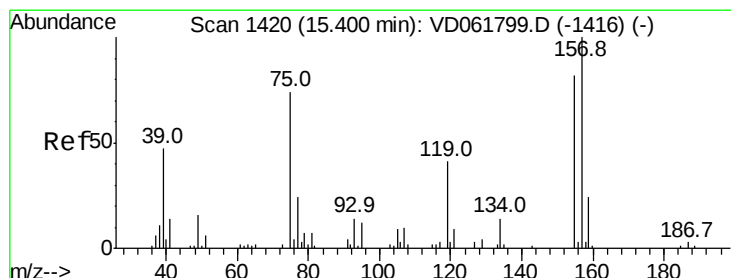
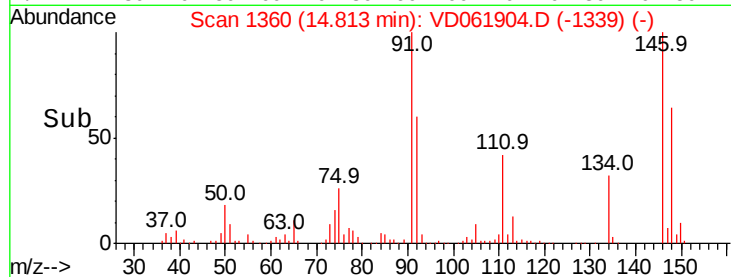
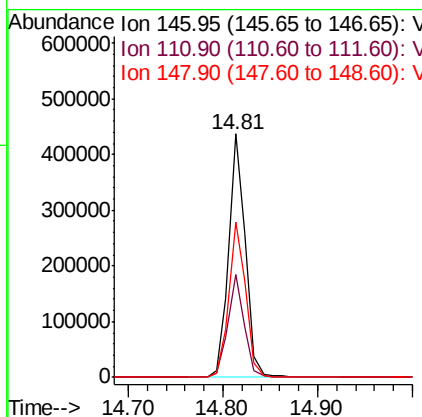
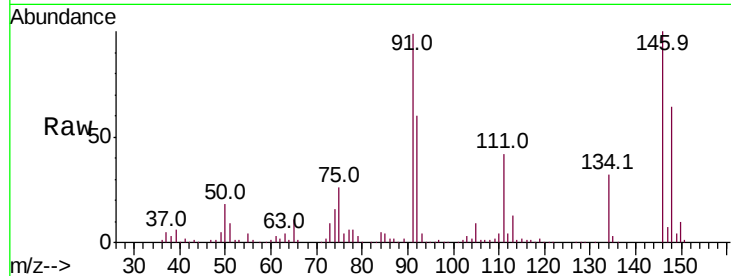




#91
 1,2-Dichlorobenzene
 Concen: 51.245 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

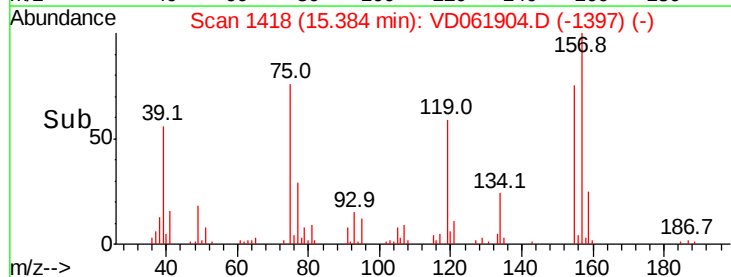
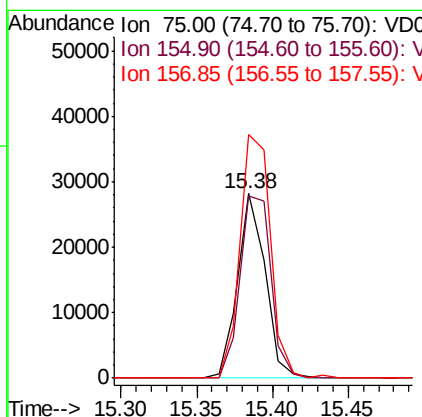
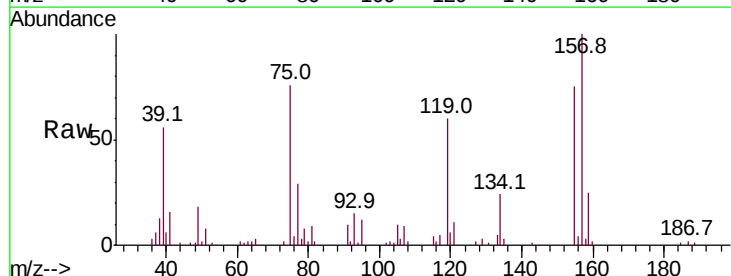
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

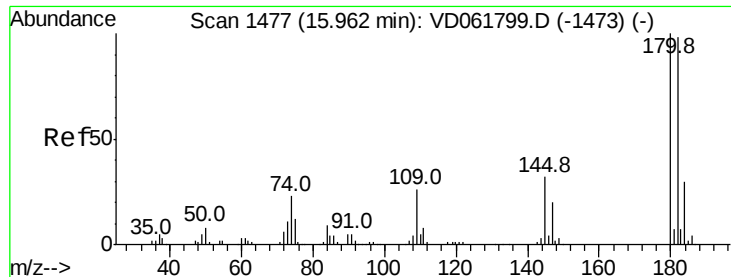
Tot Ion:146 Resp: 534186
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 59.9
 148 63.9 32.3 96.8



#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

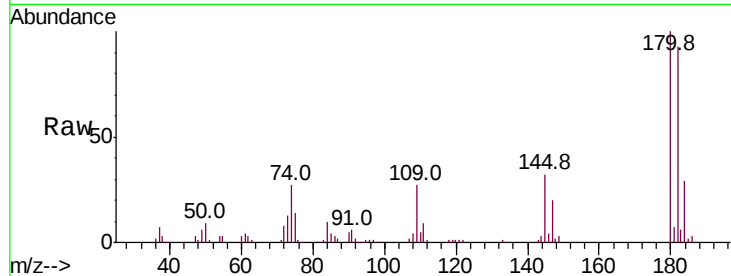




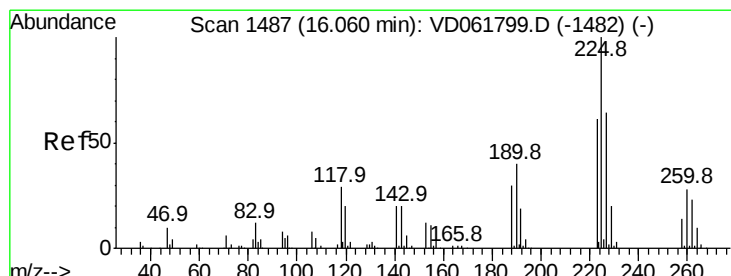
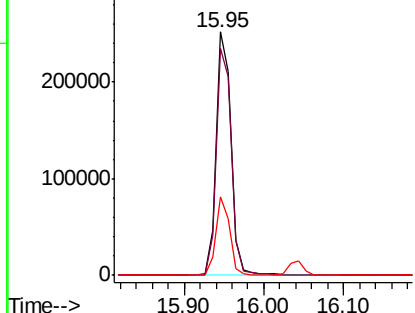
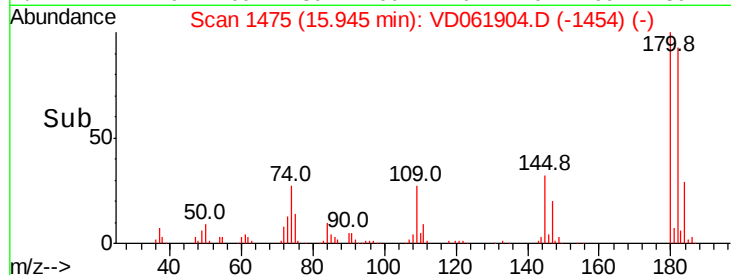
#93
 1,2,4-Trichlorobenzene
 Concen: 58.172 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	49.3	147.8
145	32.5	16.2	48.6

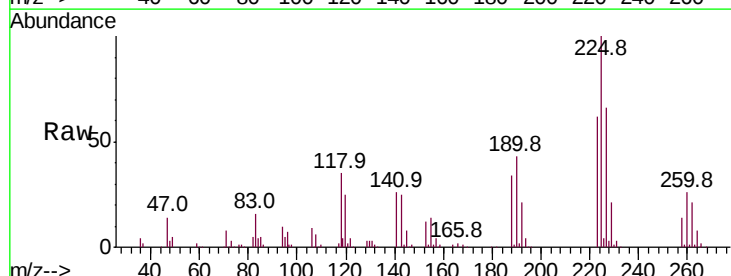


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

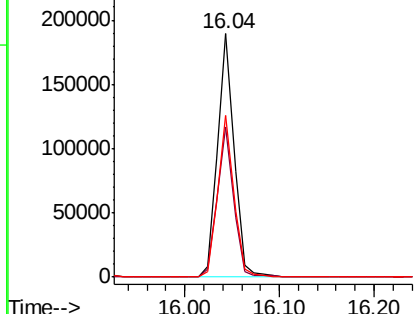
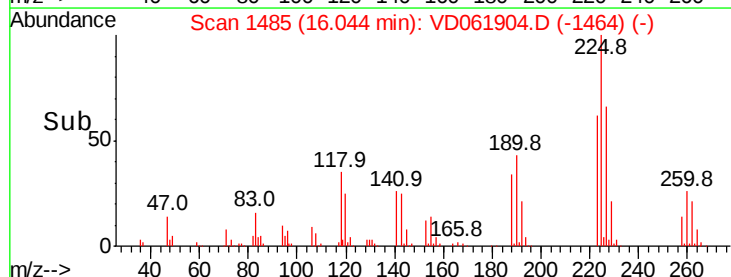


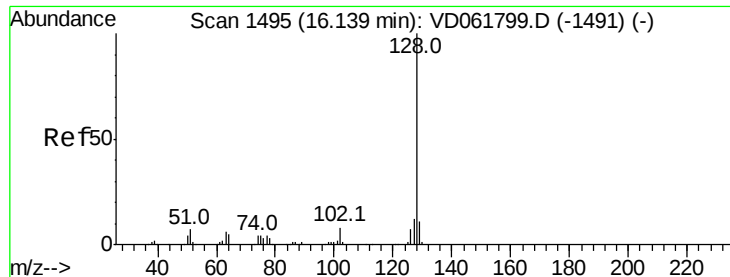
#94
 Hexachlorobutadiene
 Concen: 55.585 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061904.D
 Acq: 19 Apr 2019 12:01

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



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

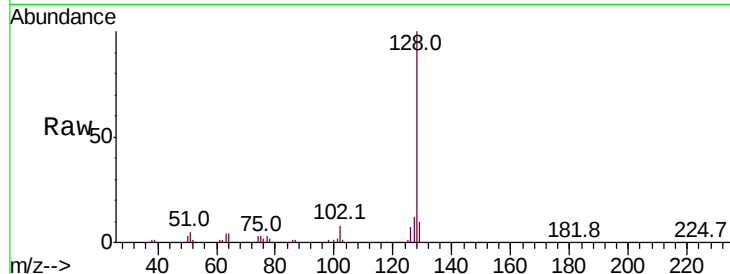




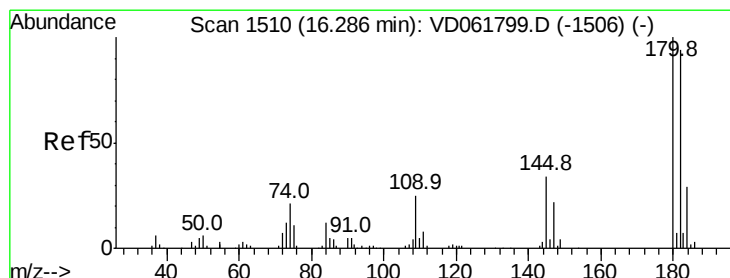
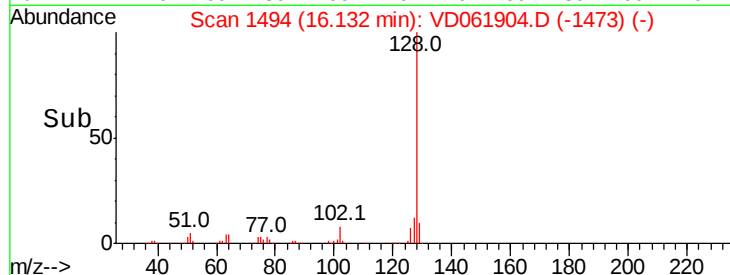
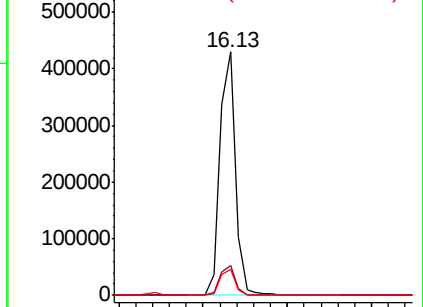
#95
Naphthalene
Concen: 63.006 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061904.D
Acq: 19 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

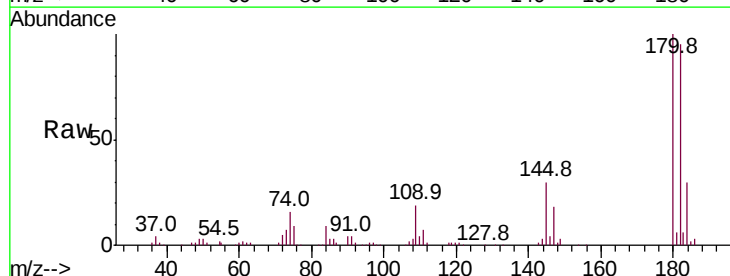


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

