

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061867.D
 Acq On : 18 Apr 2019 11:42
 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 18 13:51:45 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	7.05	168	659635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1049693	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	881794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	380181	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	295313	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	6.92	113	391455	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.41	98	902459	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	13.56	95	348194	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	295261	45.861	ug/l	99
3) Chloromethane	1.76	50	229758	44.779	ug/l	95
4) Vinyl Chloride	1.85	62	255628	50.199	ug/l	98
5) Bromomethane	2.15	94	61318	54.109	ug/l	96
6) Chloroethane	2.27	64	86704	49.911	ug/l	100
7) Trichlorofluoromethane	2.53	101	344415	41.703	ug/l	99
8) Diethyl Ether	2.87	74	114288	52.803	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	333616	45.304	ug/l	98
10) Methyl Iodide	3.31	142	525423	45.067	ug/l	99
11) Tert butyl alcohol	4.06	59	92727	284.420	ug/l	98
12) 1,1-Dichloroethene	3.13	96	291387	47.067	ug/l	97
13) Acrolein	3.03	56	93717	296.933	ug/l	99
14) Allyl chloride	3.63	41	435260	51.581	ug/l	99
15) Acrylonitrile	4.19	53	269312	263.127	ug/l	94
16) Acetone	3.21	43	395111	289.982	ug/l	98
17) Carbon Disulfide	3.38	76	923639	46.175	ug/l	99
18) Methyl Acetate	3.64	43	129937	47.579	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	608949	52.708	ug/l	95
20) Methylene Chloride	3.81	84	354316	52.549	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	333447	49.010	ug/l	95
22) Diisopropyl ether	5.12	45	906996	50.283	ug/l	99
23) Vinyl Acetate	5.05	43	2511304	260.443	ug/l	99
24) 1,1-Dichloroethane	4.98	63	565852	51.740	ug/l	99
25) 2-Butanone	6.07	43	422109	272.117	ug/l	97
26) 2,2-Dichloropropane	6.02	77	472857	50.023	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	360304	48.852	ug/l	98
28) Bromochloromethane	6.44	49	202623	48.777	ug/l	92
29) Tetrahydrofuran	6.45	42	194048	256.808	ug/l	98
30) Chloroform	6.67	83	606412	49.713	ug/l	97
31) Cyclohexane	6.95	56	377505	45.091	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	529107	48.932	ug/l	97
36) 1,1-Dichloropropene	7.15	75	434823	50.692	ug/l	99
37) Ethyl Acetate	6.18	43	191873	52.265	ug/l	94
38) Carbon Tetrachloride	7.11	117	574306	53.024	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	438515	49.231	ug/l	98
40) Benzene	7.46	78	1129872	54.866	ug/l	99
41) Methacrylonitrile	6.45	41	222477	51.272	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	371482	51.796	ug/l	98
43) Isopropyl Acetate	9.24	43	285094	55.184	ug/l #	97
44) Trichloroethene	8.54	130	429040	54.120	ug/l	97
45) 1,2-Dichloropropane	8.94	63	272112	50.729	ug/l	93
46) Dibromomethane	9.06	93	197935	51.787	ug/l	96
47) Bromodichloromethane	9.37	83	448514	50.866	ug/l	99
48) Methyl methacrylate	9.12	41	154532	50.887	ug/l	96
49) 1,4-Dioxane	9.08	88	38164	1149.785	ug/l	87
51) 4-Methyl-2-Pentanone	10.30	43	841226	266.267	ug/l	99
52) Toluene	10.51	92	648236	49.121	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	383393	48.254	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	472635	50.677	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	224820	50.558	ug/l	95
56) Ethyl methacrylate	11.04	69	257175	52.694	ug/l	99
57) 1,3-Dichloropropane	11.41	76	338519	50.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	585213	252.096	ug/l	99
59) 2-Hexanone	11.53	43	610707	260.262	ug/l	97
60) Dibromochloromethane	11.69	129	397126	54.580	ug/l	99
61) 1,2-Dibromoethane	11.81	107	280607	51.320	ug/l	99
64) Tetrachloroethene	11.26	164	302818	45.791	ug/l	98
65) Chlorobenzene	12.40	112	844534	51.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	341746	49.658	ug/l	96
67) Ethyl Benzene	12.52	91	1263653	48.050	ug/l	100
68) m/p-Xylenes	12.67	106	962249	97.407	ug/l	97
69) o-Xylene	13.05	106	435885	46.944	ug/l	99
70) Styrene	13.08	104	796879	49.873	ug/l	97
71) Bromoform	13.23	173	216570	53.016	ug/l	99
73) Isopropylbenzene	13.40	105	1174323	47.628	ug/l	99
74) N-amyl acetate	13.26	43	353491	53.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	262004	53.759	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	262433	52.562	ug/l	98
77) Bromobenzene	13.67	156	377099	53.842	ug/l	86
78) n-propylbenzene	13.78	91	1499821	52.650	ug/l	98
79) 2-Chlorotoluene	13.84	91	840317	50.497	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1017835	52.027	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	85802	52.820	ug/l	92
82) 4-Chlorotoluene	13.94	91	978414	51.367	ug/l	89
83) tert-Butylbenzene	14.19	119	1110179	48.329	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	967247	49.186	ug/l	97
85) sec-Butylbenzene	14.37	105	1233773	51.955	ug/l	100
86) p-Isopropyltoluene	14.49	119	1026857	46.216	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	629726	51.503	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	591201	48.914	ug/l	99
89) n-Butylbenzene	14.80	91	988397	50.255	ug/l	98
90) Hexachloroethane	15.01	117	286893	47.374	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	515899	50.372	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37505	53.657	ug/l	90

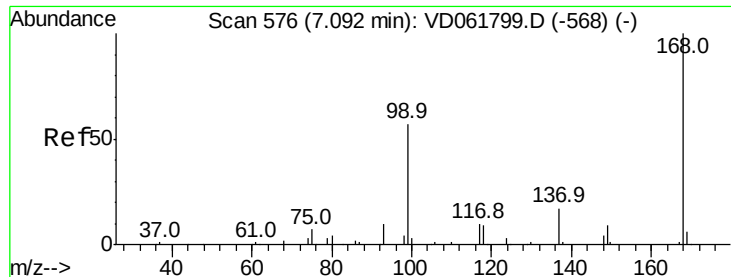
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	290421	51.629	ug/l	97
94) Hexachlorobutadiene	16.04	225	199142	48.851	ug/l	98
95) Naphthalene	16.13	128	478789	55.531	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	161683	50.438	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

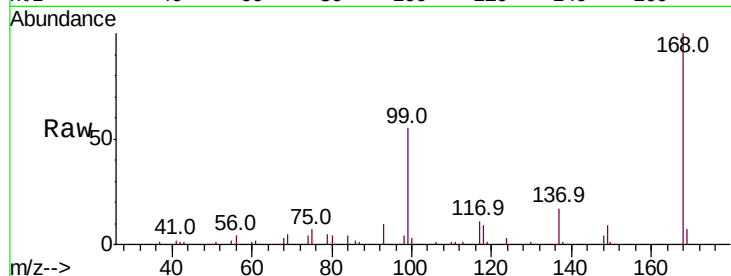
VSTDCCC050

Tot Ion:168 Resp: 659635

Ion Ratio Lower Upper

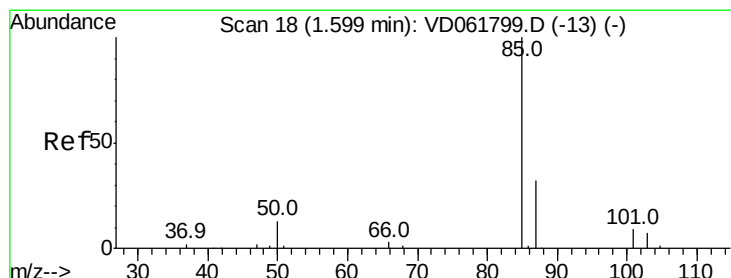
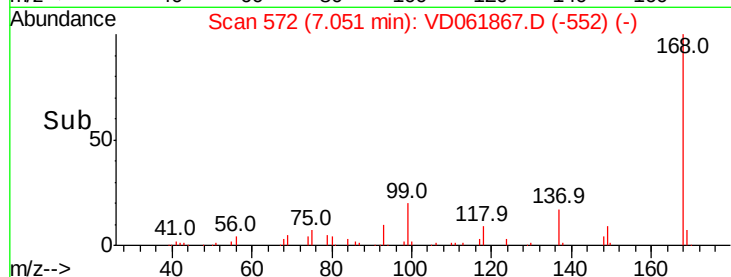
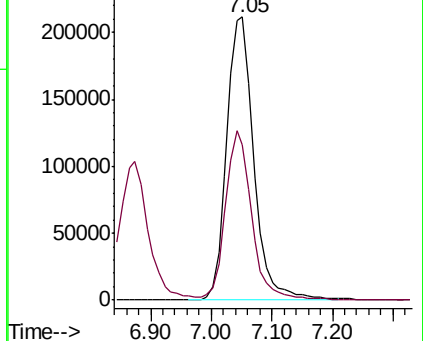
168 100

99 55.1 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: 45.861 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061867.D

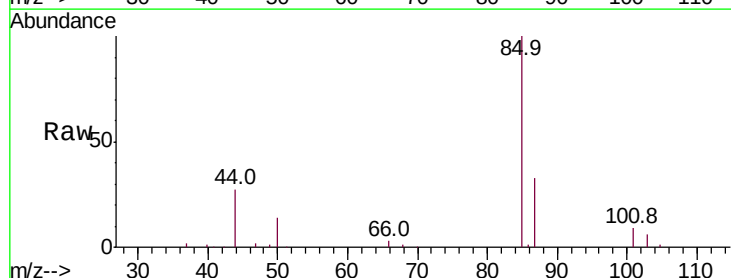
Acq: 18 Apr 2019 11:42

Tgt Ion: 85 Resp: 295261

Ion Ratio Lower Upper

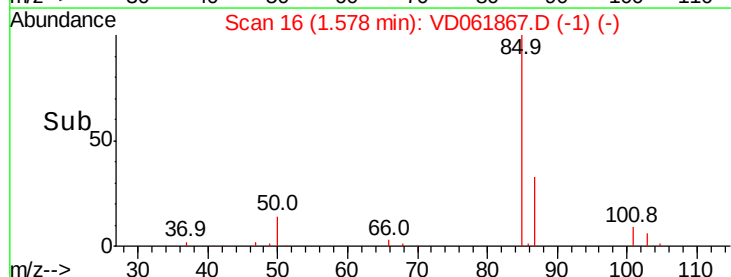
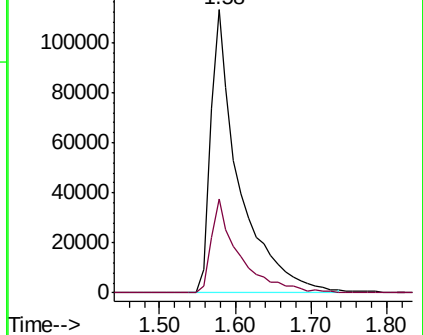
85 100

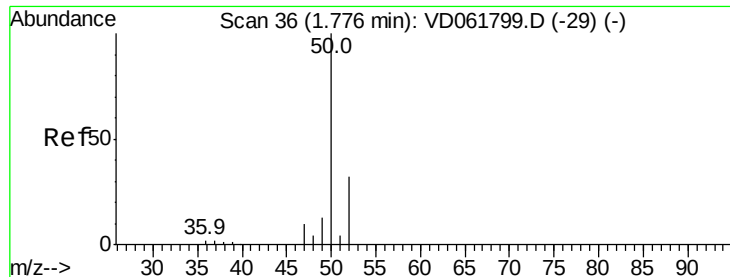
87 33.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.779 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

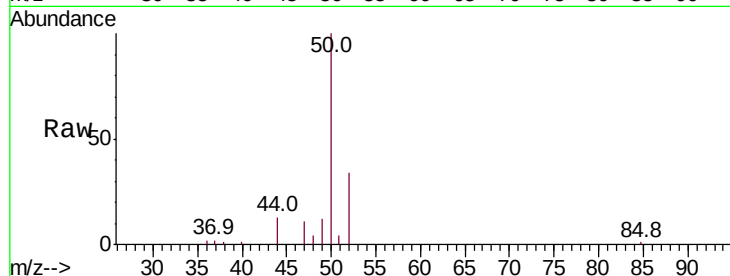
VSTDCCC050

Tot Ion: 50 Resp: 229758

Ion Ratio Lower Upper

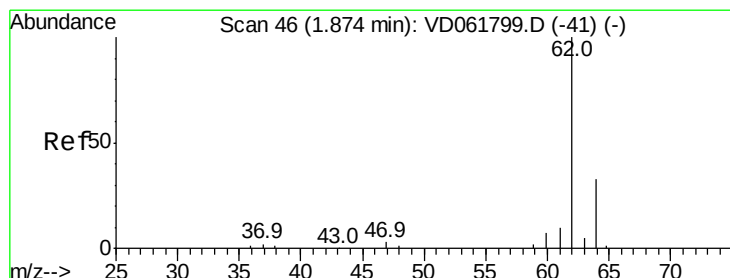
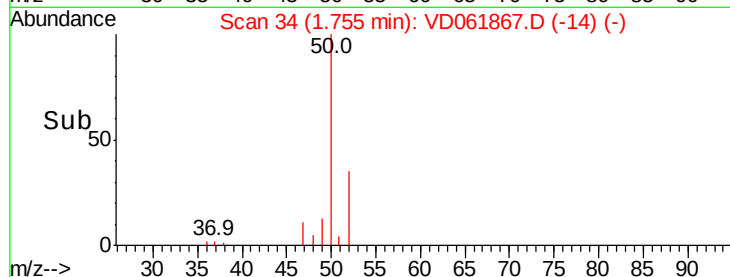
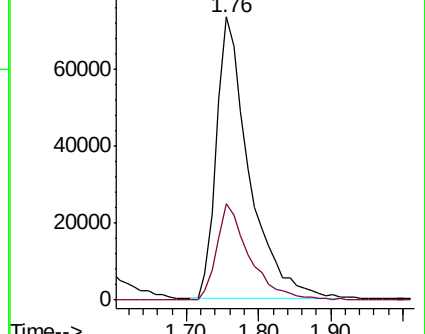
50 100

52 34.3 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: 50.199 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061867.D

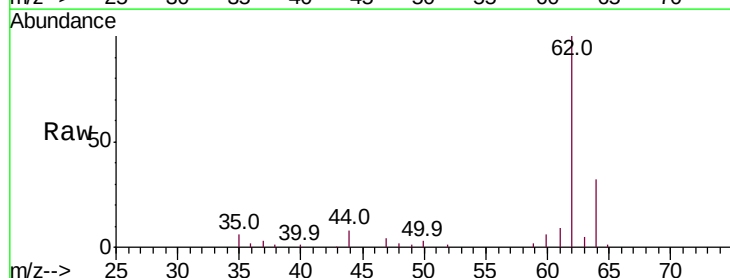
Acq: 18 Apr 2019 11:42

Tgt Ion: 62 Resp: 255628

Ion Ratio Lower Upper

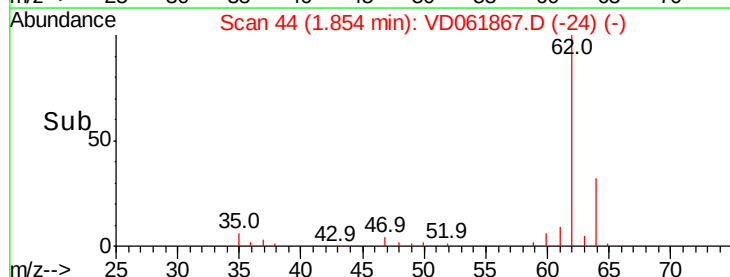
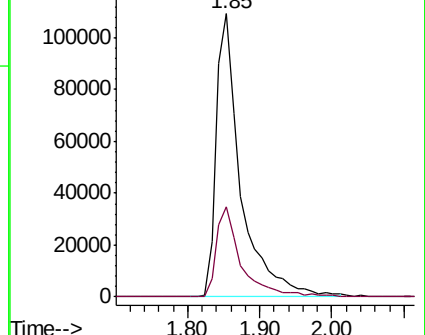
62 100

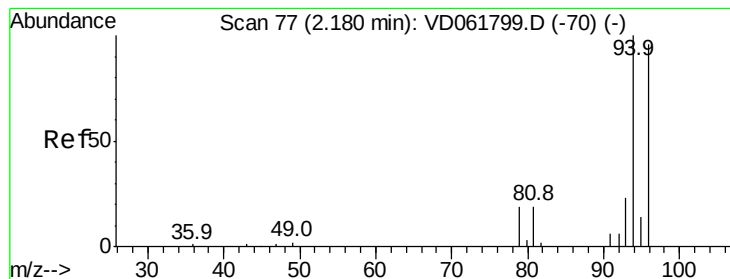
64 31.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.109 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

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ClientSampleId :

VSTDCCC050

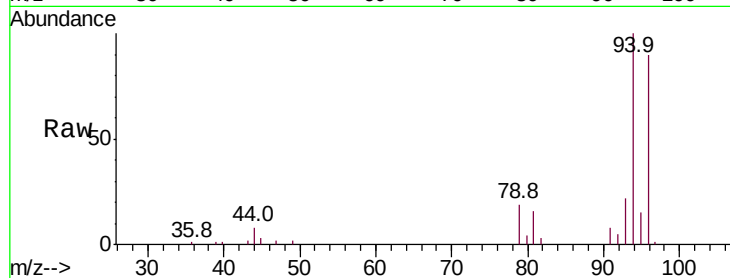
Tot Ion: 94 Resp: 61318

Ion Ratio Lower Upper

94 100

96 91.9 76.6 115.0

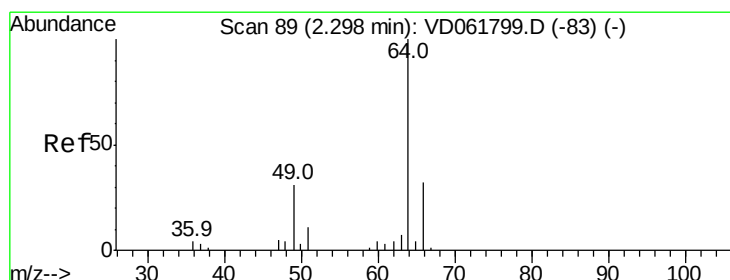
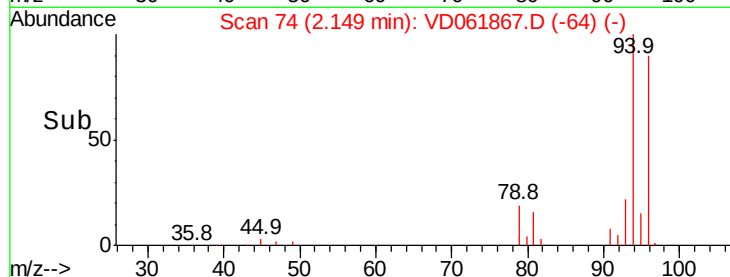
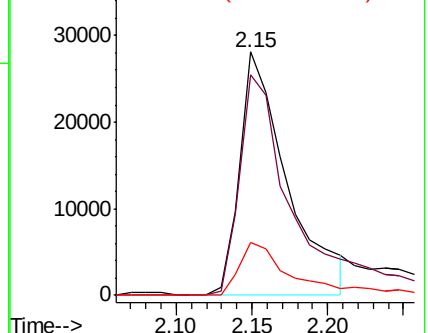
93 21.8 18.5 27.7



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: 49.911 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061867.D

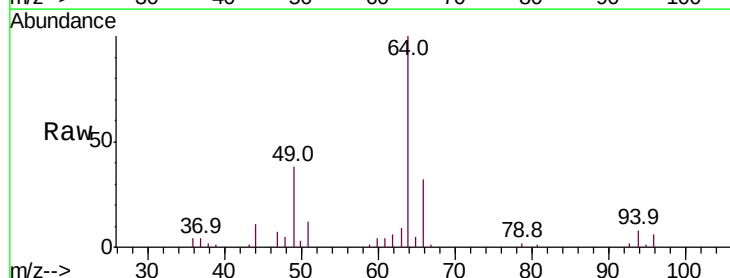
Acq: 18 Apr 2019 11:42

Tgt Ion: 64 Resp: 86704

Ion Ratio Lower Upper

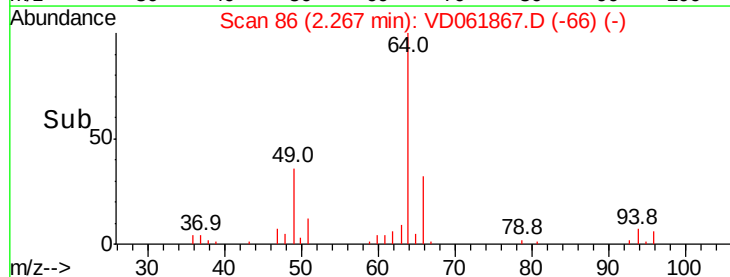
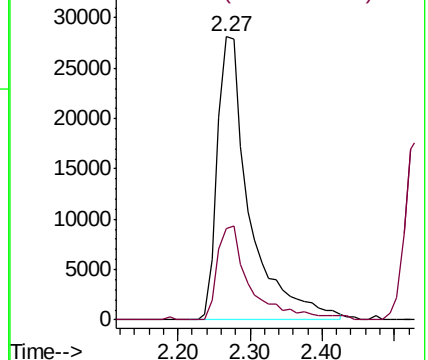
64 100

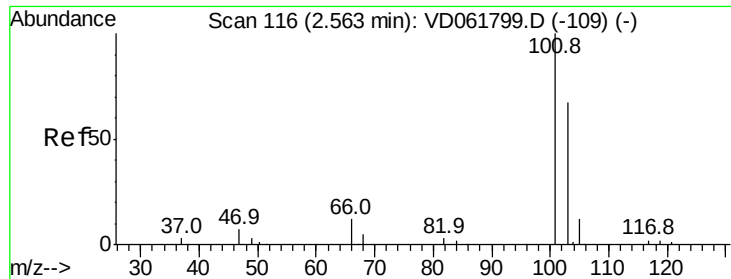
66 32.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



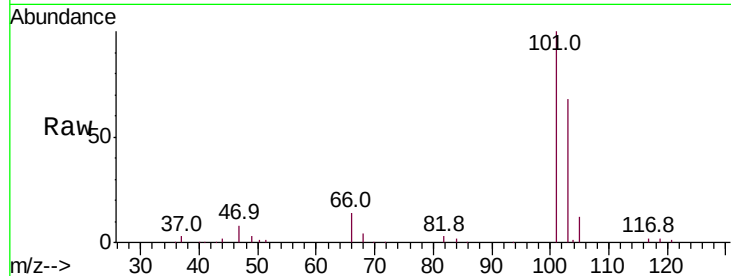


#7

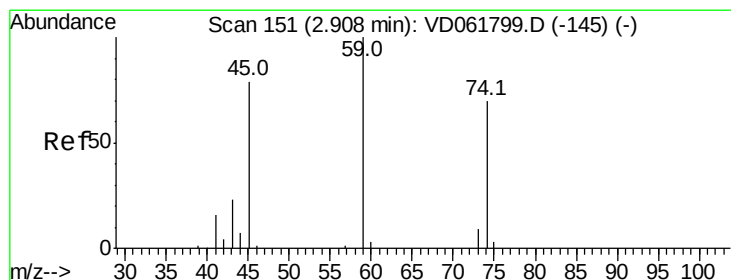
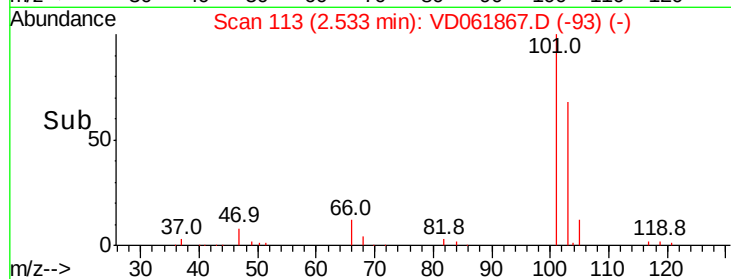
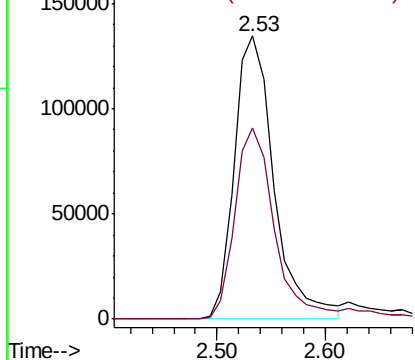
Trichlorofluoromethane
Concen: 41.703 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD061867.D
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Tot Ion:101 Resp: 344415
Ion Ratio Lower Upper
101 100
103 67.6 53.6 80.4



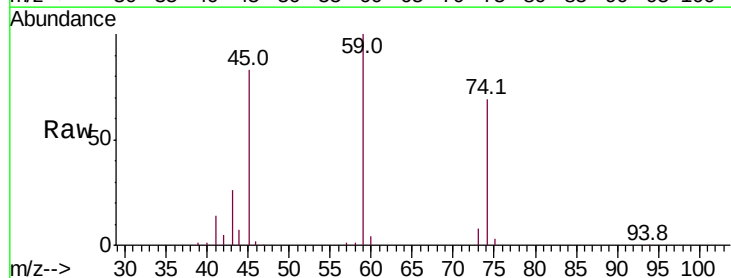
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



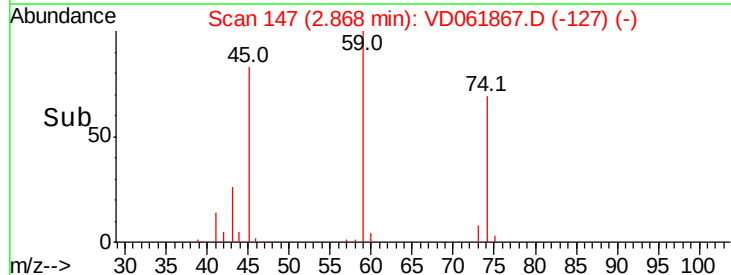
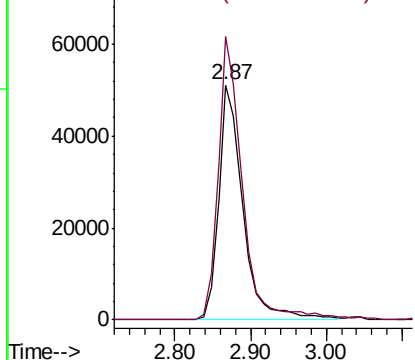
#8

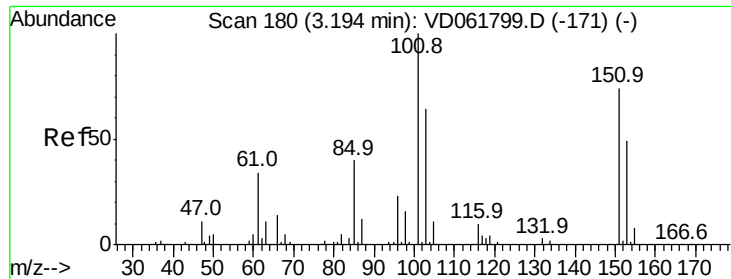
Diethyl Ether
Concen: 52.803 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 74 Resp: 114288
Ion Ratio Lower Upper
74 100
45 120.5 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.304 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

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VSTDCCC050

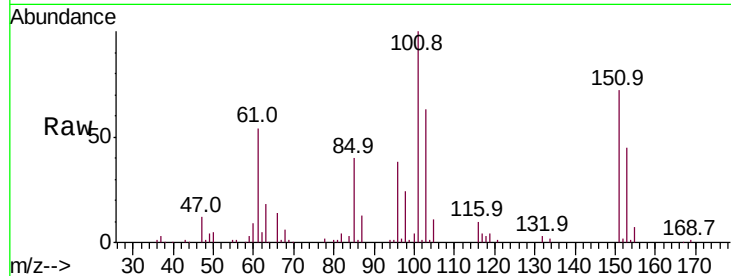
Tot Ion:101 Resp: 333616

Ion Ratio Lower Upper

101 100

85 39.9 32.4 48.6

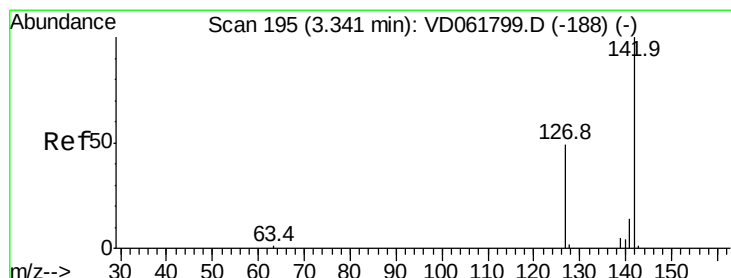
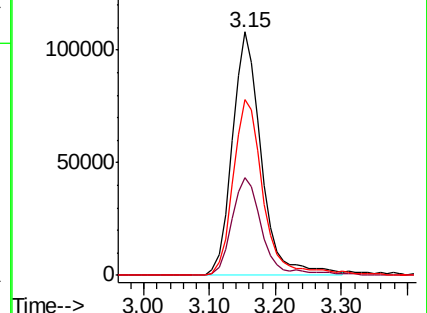
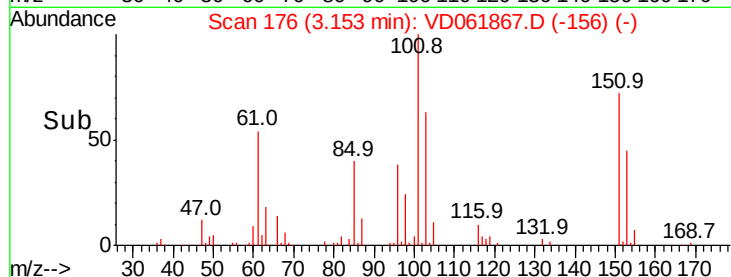
151 72.3 59.4 89.0



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: 45.067 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

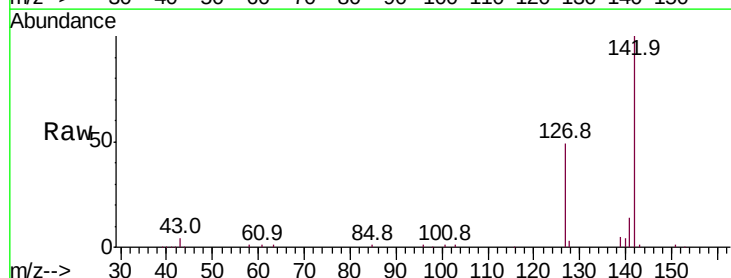
Tgt Ion:142 Resp: 525423

Ion Ratio Lower Upper

142 100

127 49.0 38.8 58.2

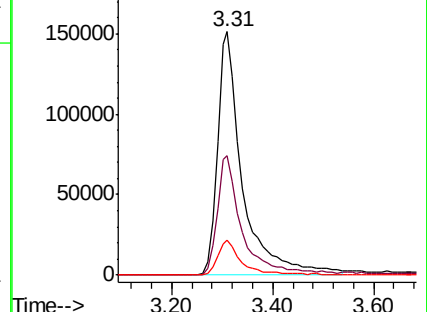
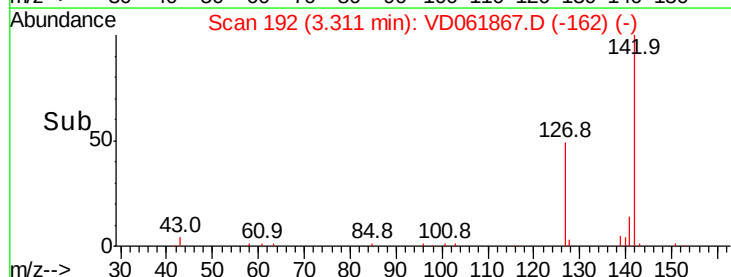
141 14.3 11.4 17.0

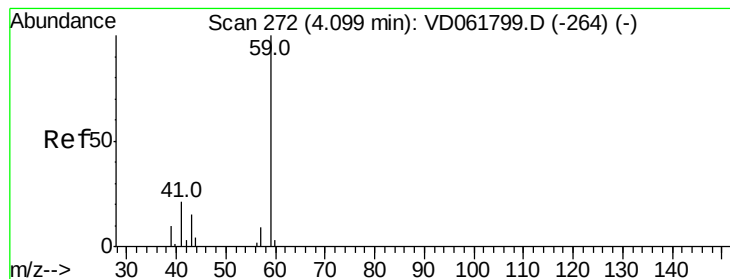


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 284.420 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

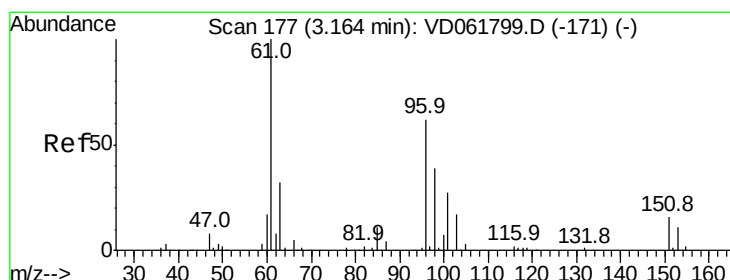
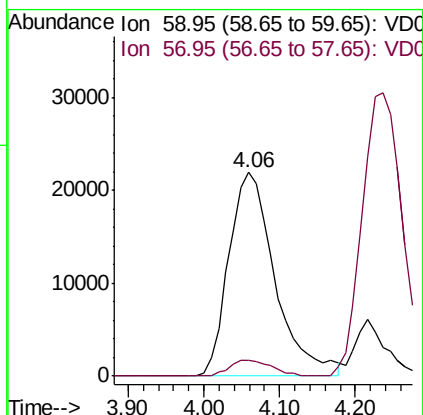
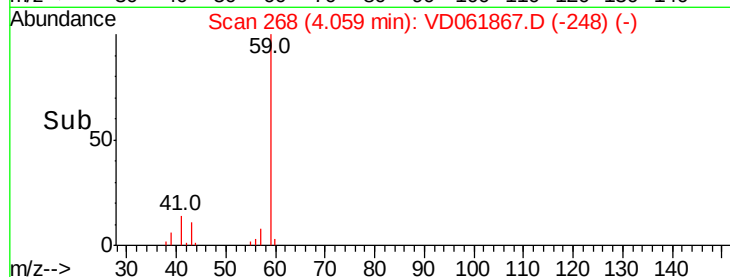
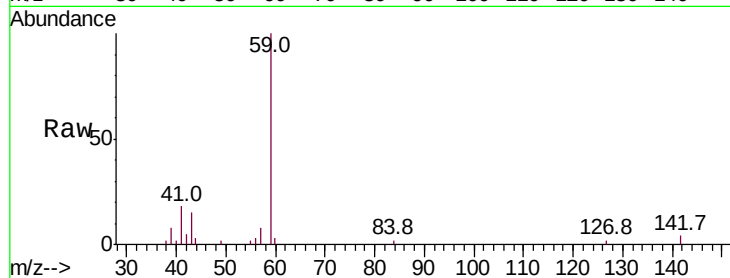
VSTDCCC050

Tot Ion: 59 Resp: 92727

Ion Ratio Lower Upper

59 100

57 7.7 6.9 10.3



#12

1,1-Dichloroethene

Concen: 47.067 ug/l

RT: 3.13 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

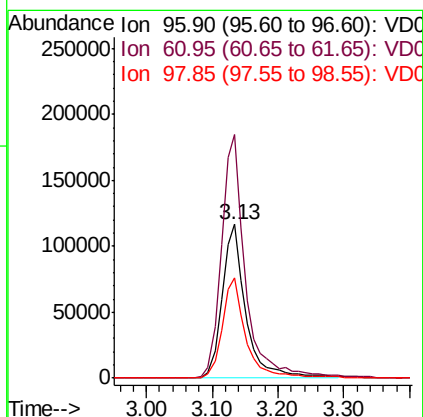
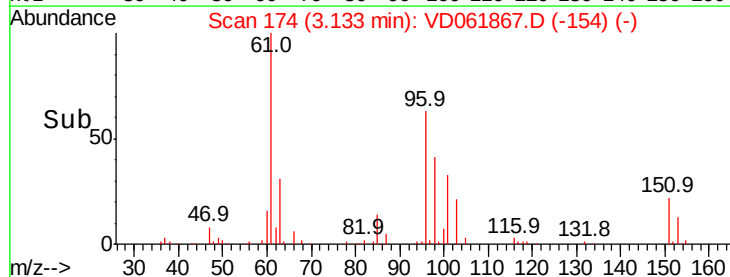
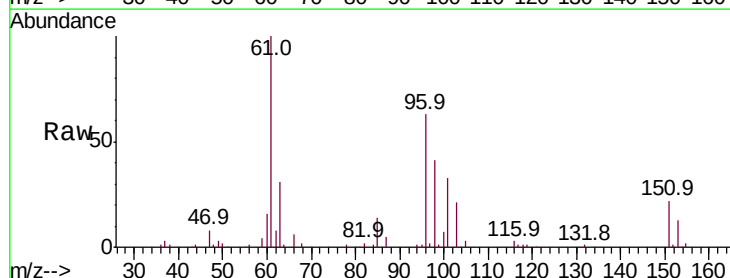
Tgt Ion: 96 Resp: 291387

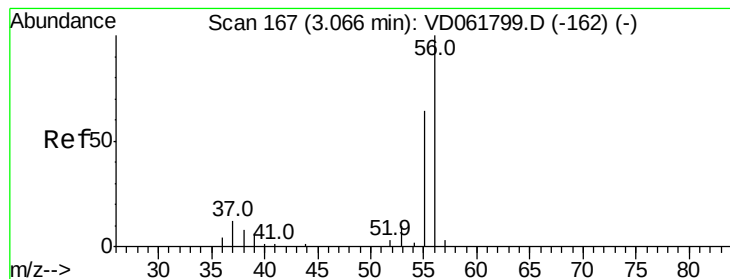
Ion Ratio Lower Upper

96 100

61 158.4 129.8 194.8

98 65.3 51.2 76.8





#13

Acrolein

Concen: 296.933 ug/l

RT: 3.03 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

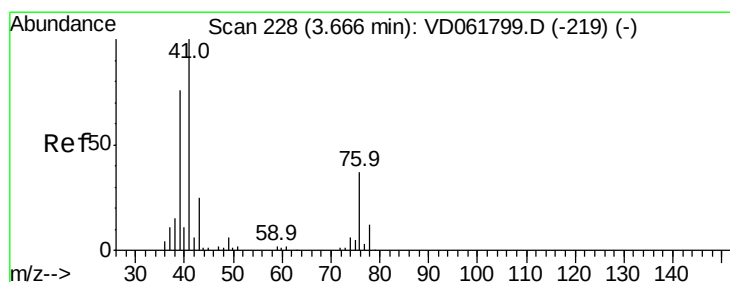
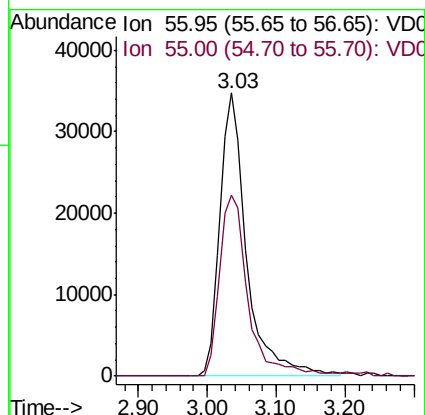
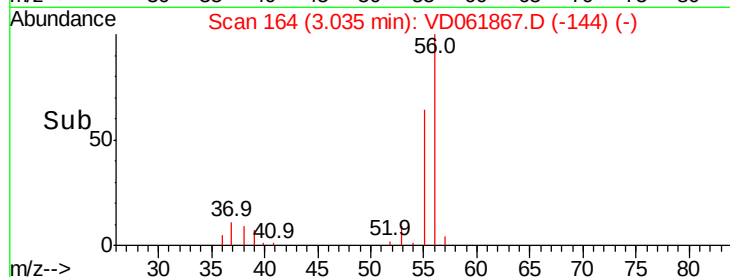
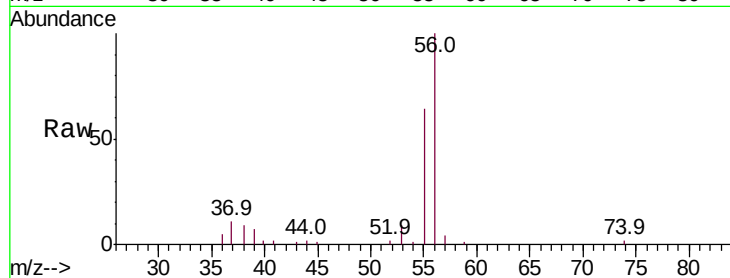
VSTDCCC050

Tot Ion: 56 Resp: 93717

Ion Ratio Lower Upper

56 100

55 63.7 51.4 77.2



#14

Allyl chloride

Concen: 51.581 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

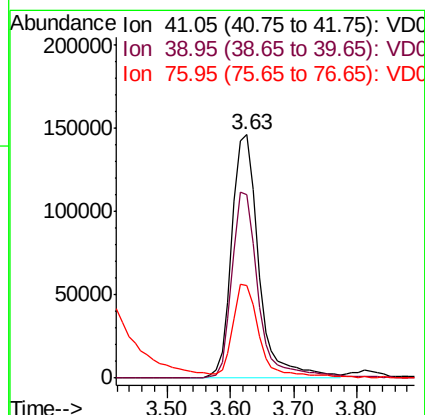
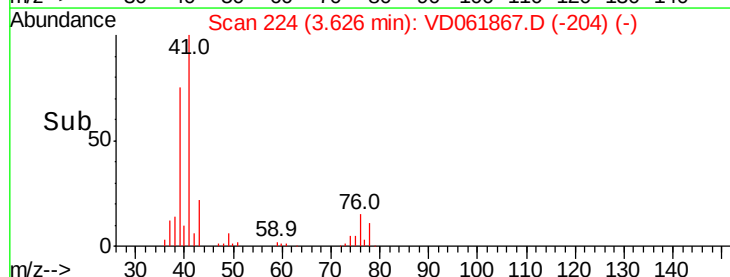
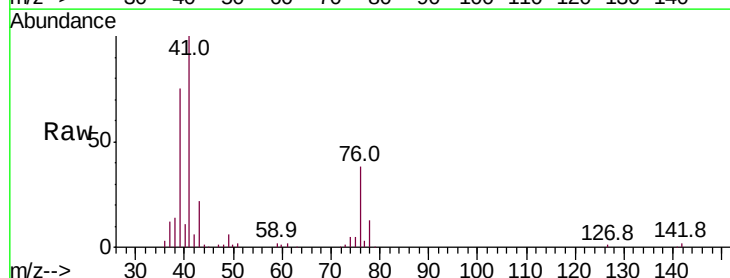
Tgt Ion: 41 Resp: 435260

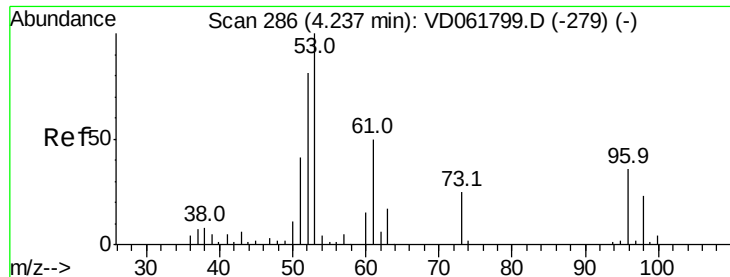
Ion Ratio Lower Upper

41 100

39 75.3 60.5 90.7

76 38.0 31.8 47.8





#15

Acrylonitrile

Concen: 263.127 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

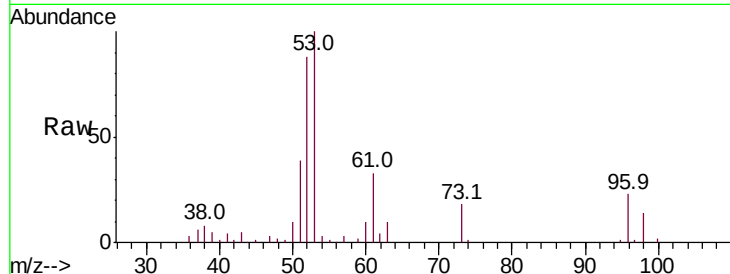
Tot Ion: 53 Resp: 269312

Ion Ratio Lower Upper

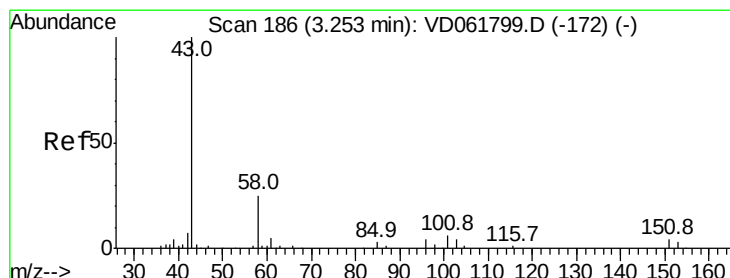
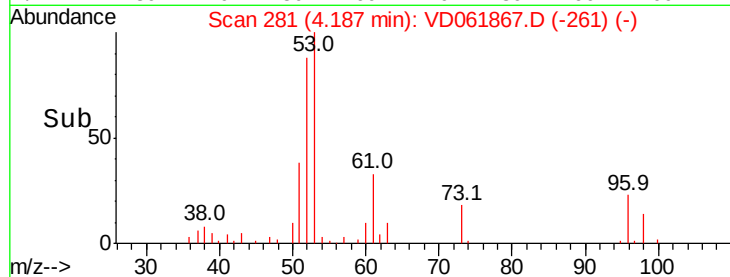
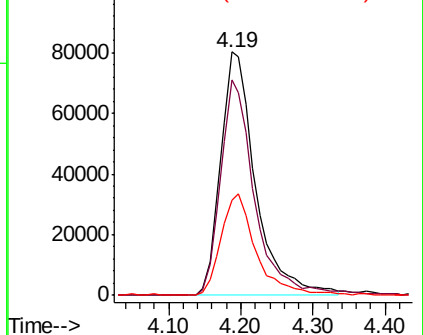
53 100

52 88.3 65.0 97.4

51 39.0 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: 289.982 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061867.D

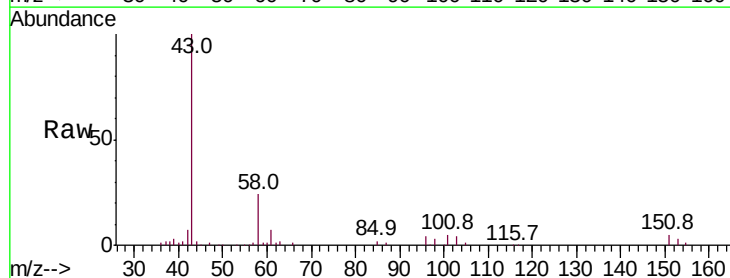
Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 395111

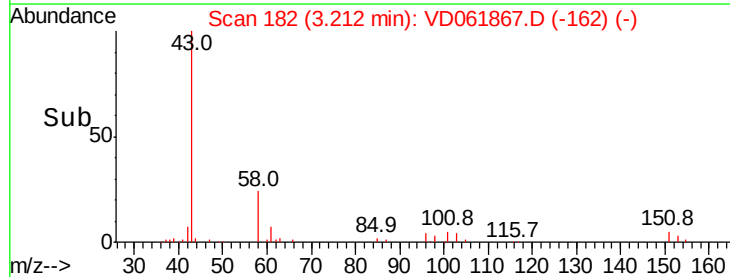
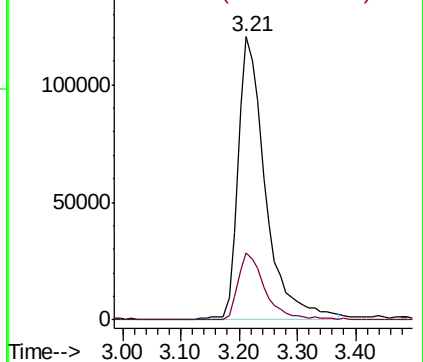
Ion Ratio Lower Upper

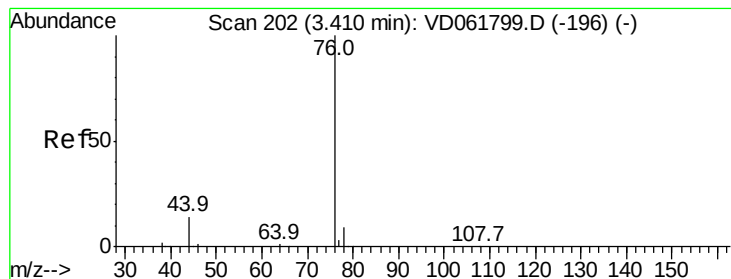
43 100

58 23.8 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: 46.175 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

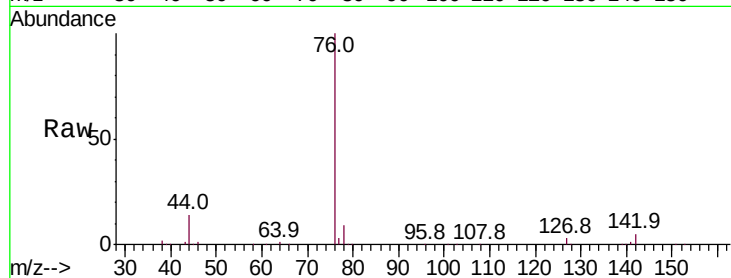
VSTDCCC050

Tot Ion: 76 Resp: 923639

Ion Ratio Lower Upper

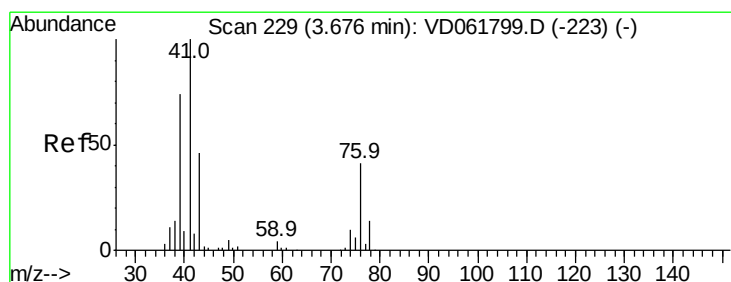
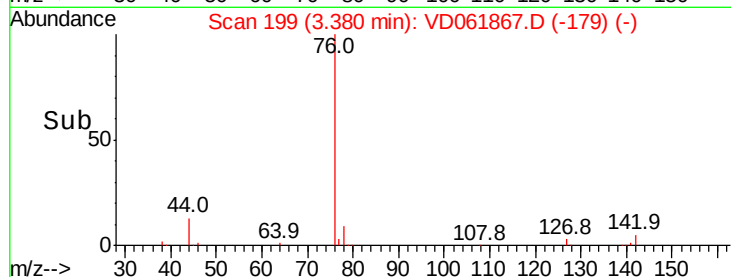
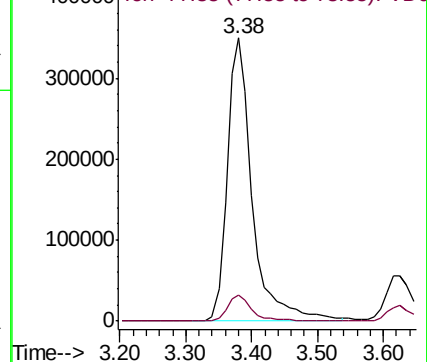
76 100

78 9.4 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: 47.579 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061867.D

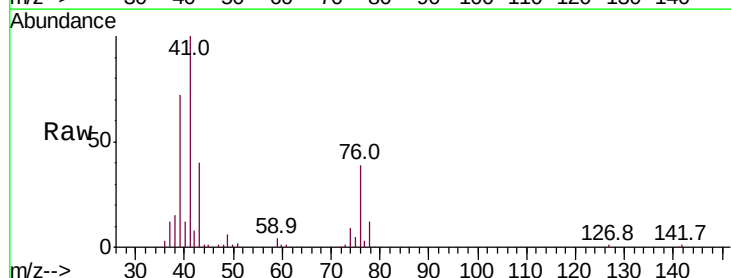
Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 129937

Ion Ratio Lower Upper

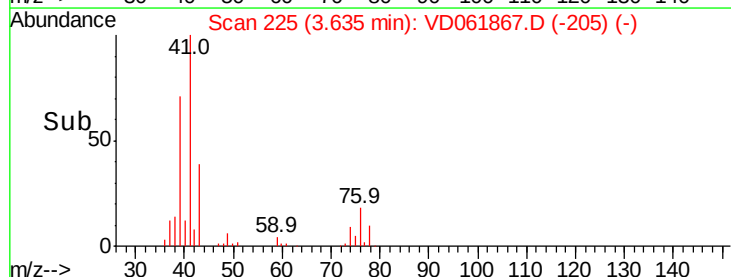
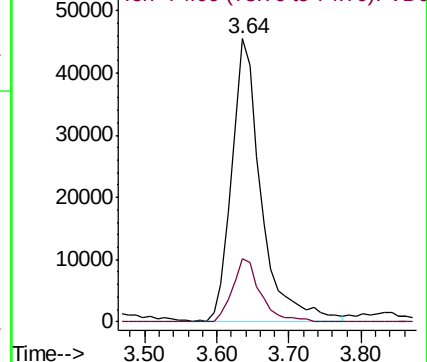
43 100

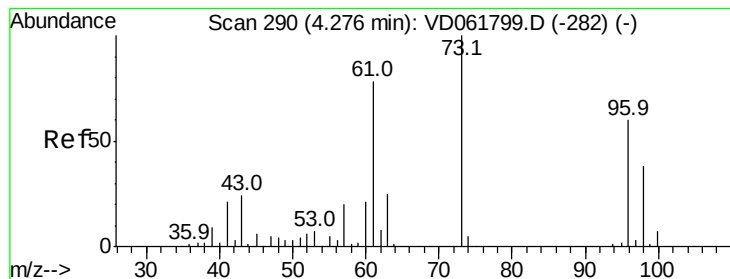
74 22.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



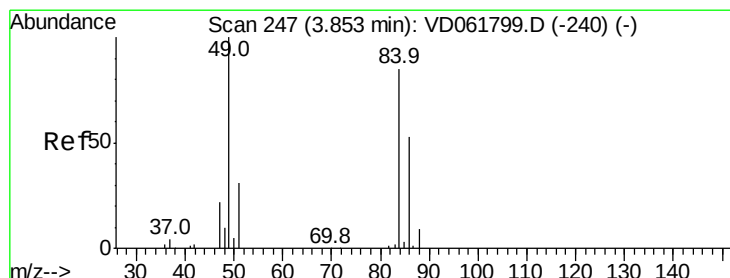
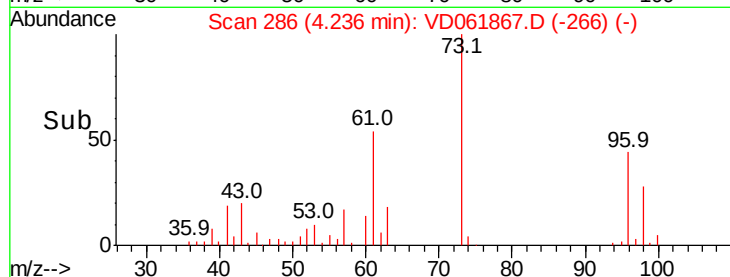
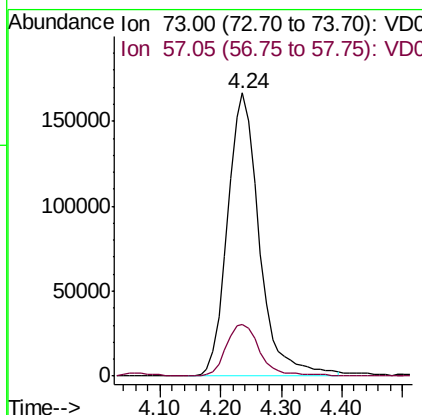
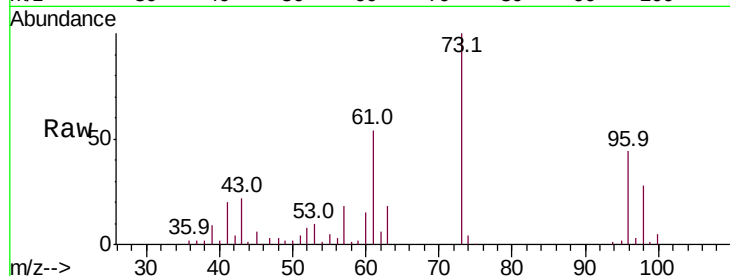


#19

Methyl tert-butyl Ether
 Concen: 52.708 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

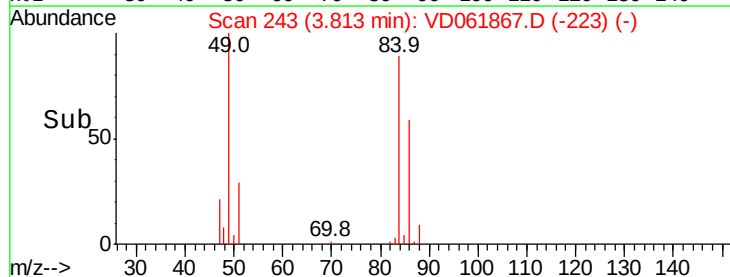
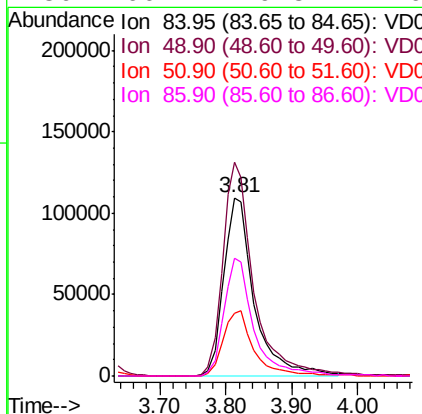
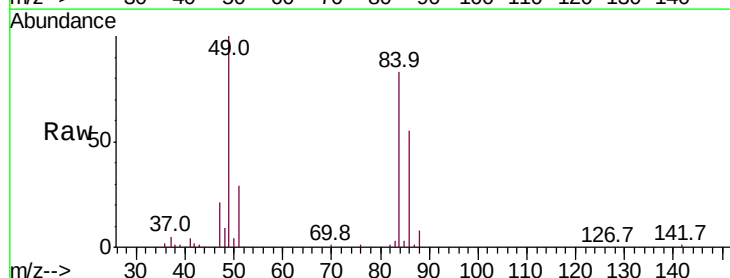
Tot Ion: 73 Resp: 608949
 Ion Ratio Lower Upper
 73 100
 57 18.3 16.3 24.5

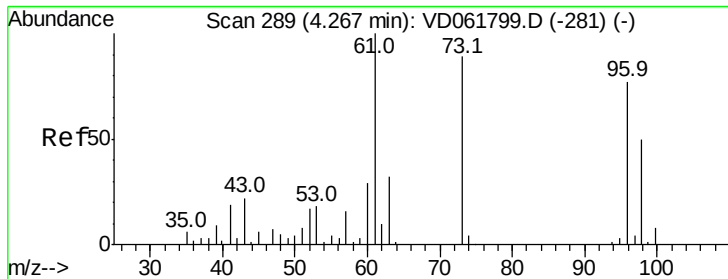


#20

Methylene Chloride
 Concen: 52.549 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 84 Resp: 354316
 Ion Ratio Lower Upper
 84 100
 49 120.0 94.0 141.0
 51 35.1 29.0 43.4
 86 66.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.010 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

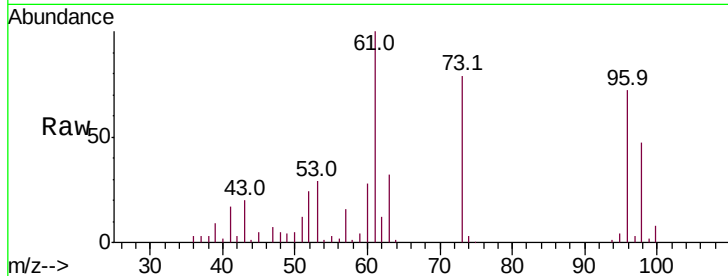
Tot Ion: 96 Resp: 333447

Ion Ratio Lower Upper

96 100

61 139.0 104.4 156.6

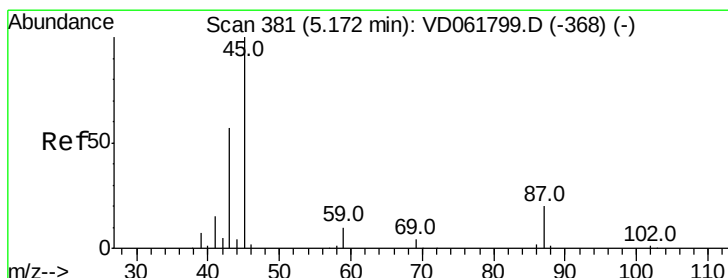
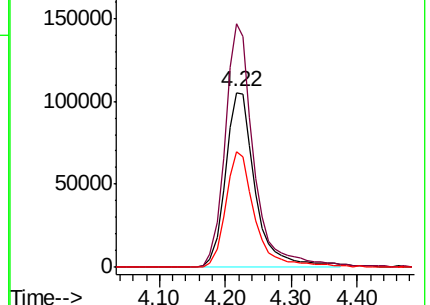
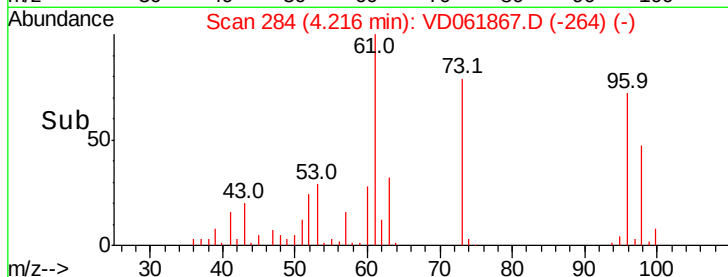
98 65.8 51.8 77.8



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: 50.283 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Tgt Ion: 45 Resp: 906996

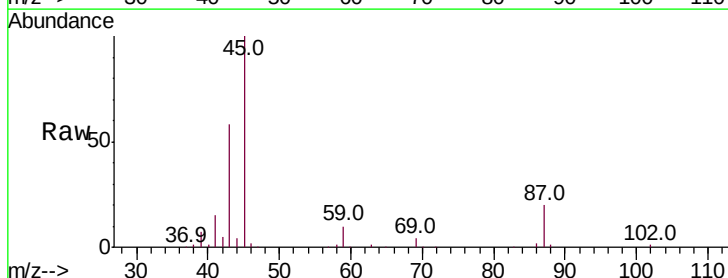
Ion Ratio Lower Upper

45 100

43 58.3 46.2 69.2

87 20.4 15.9 23.9

59 10.3 7.9 11.9

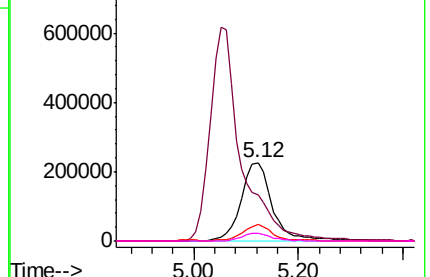
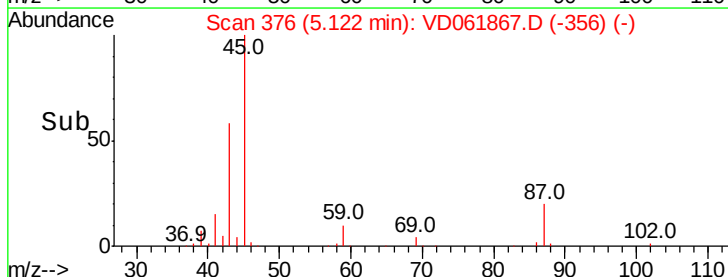


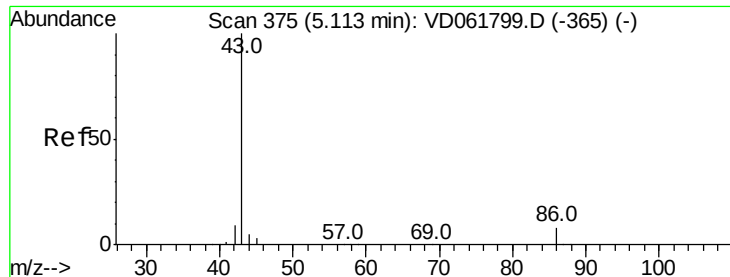
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 260.443 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

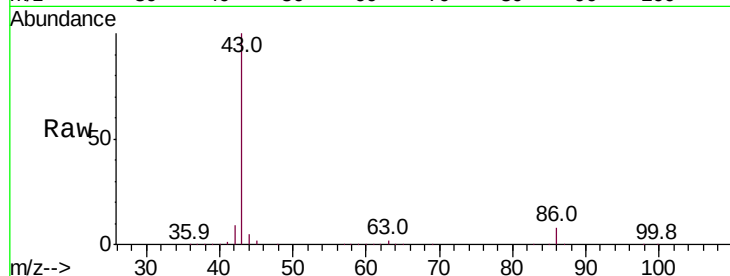
VSTDCCC050

Tot Ion: 43 Resp: 2511304

Ion Ratio Lower Upper

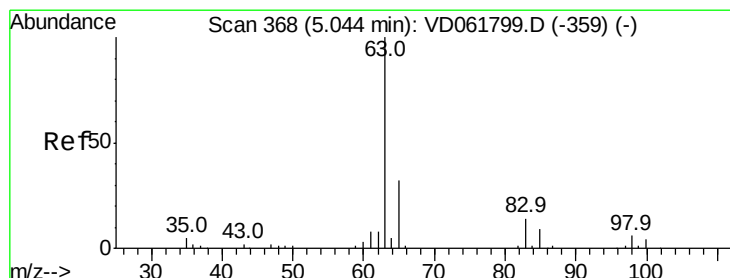
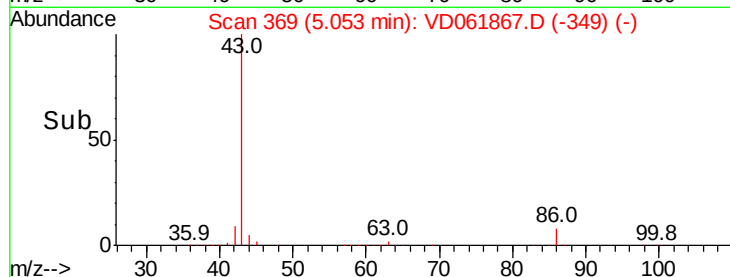
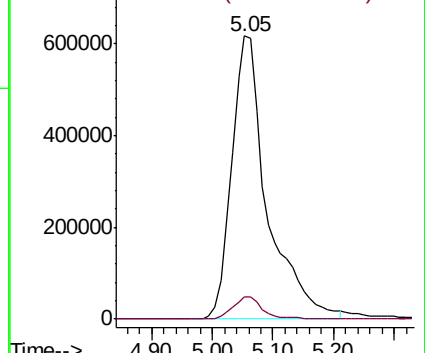
43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.740 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

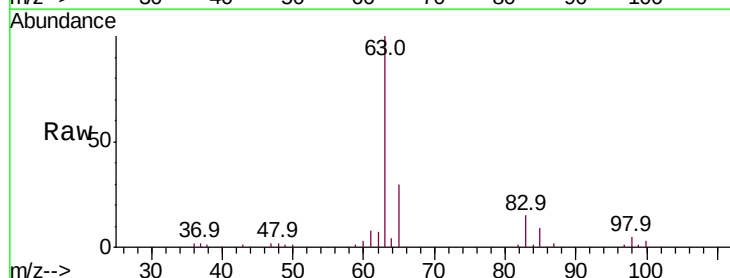
Tgt Ion: 63 Resp: 565852

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

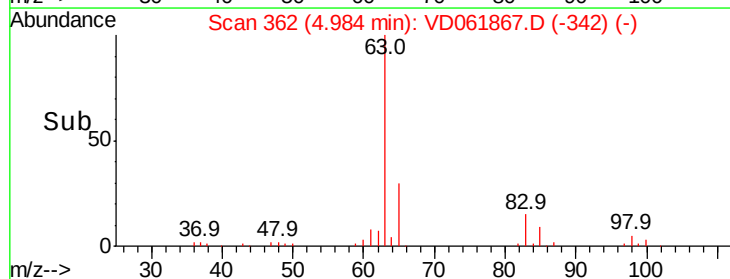
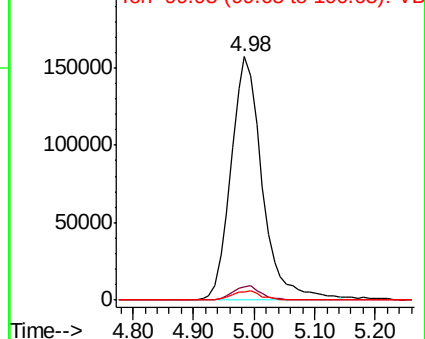
100 3.1 1.8 5.5

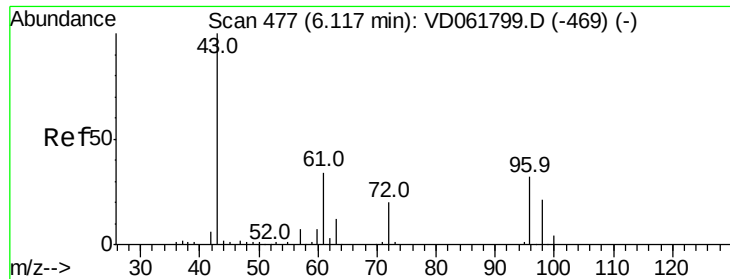


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 272.117 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

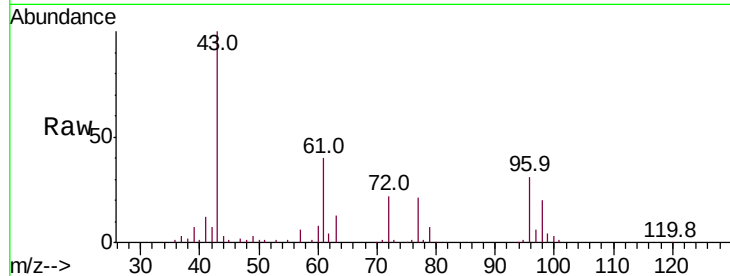
VSTDCCC050

Tot Ion: 43 Resp: 422109

Ion Ratio Lower Upper

43 100

72 21.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

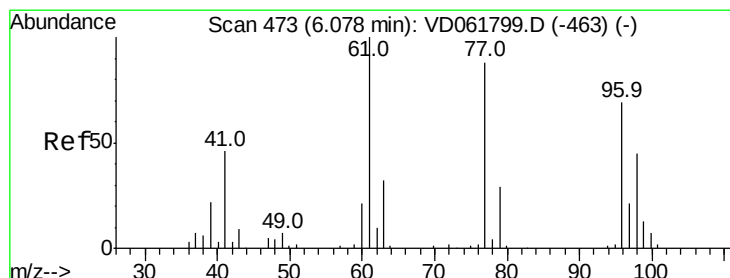
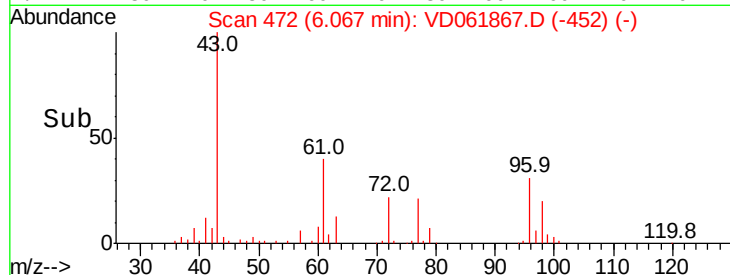
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 50.023 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061867.D

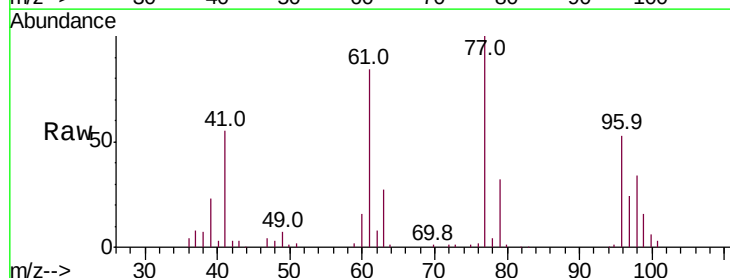
Acq: 18 Apr 2019 11:42

Tgt Ion: 77 Resp: 472857

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

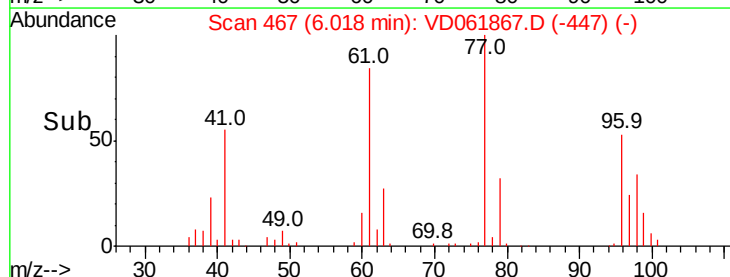
150000

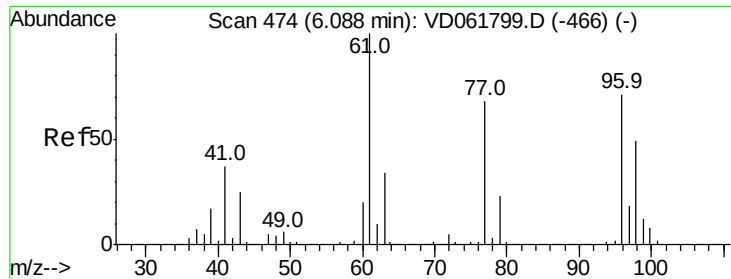
100000

50000

0

Time--> 5.90 6.00 6.10 6.20

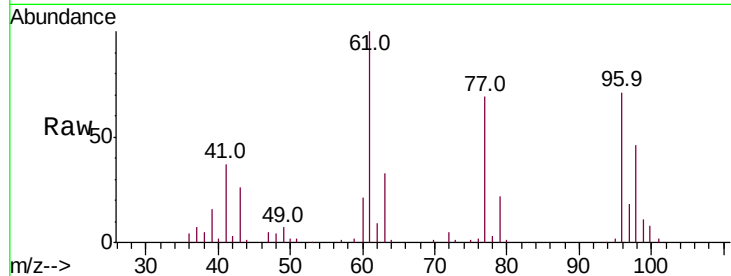




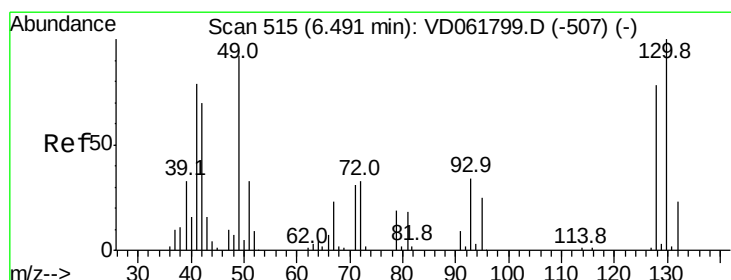
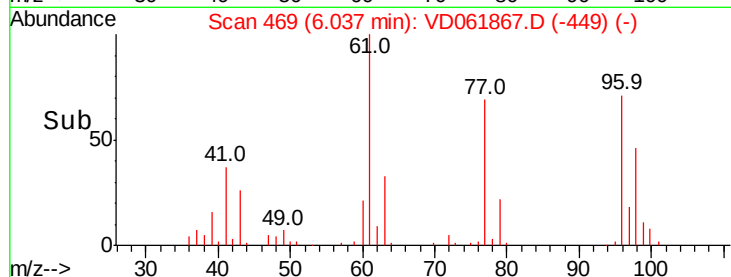
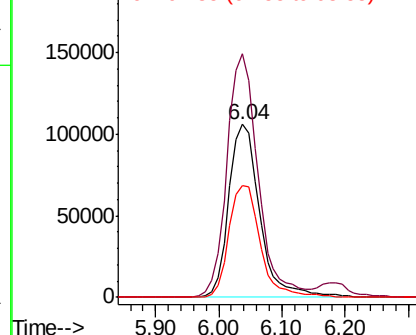
#27
 cis-1,2-Dichloroethene
 Concen: 48.852 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 360304
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 279.8
 98 64.5 0.0 136.0

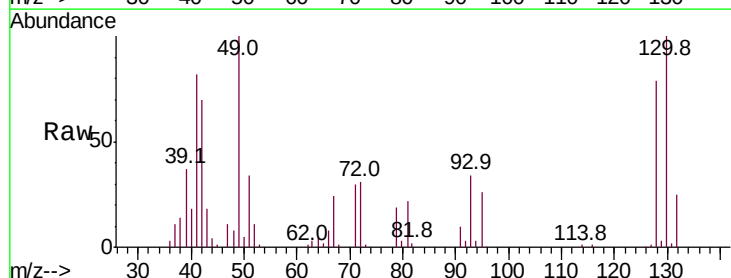


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

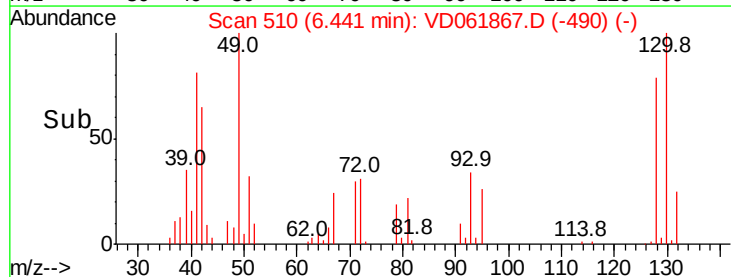
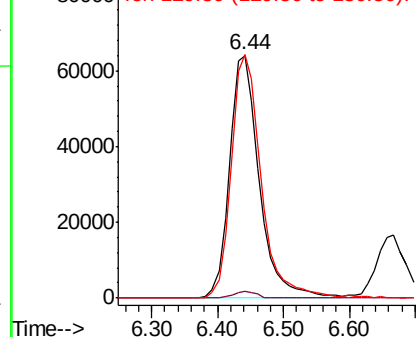


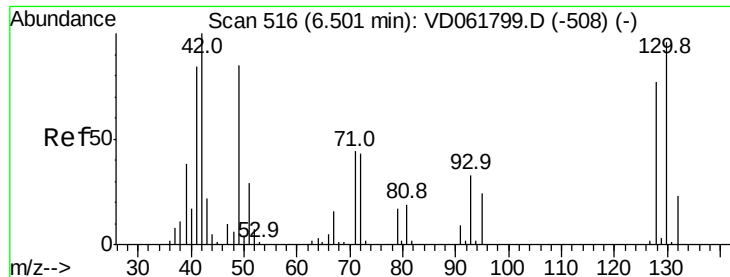
#28
 Bromochloromethane
 Concen: 48.777 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 49 Resp: 202623
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 6.6
 130 100.3 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 256.808 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

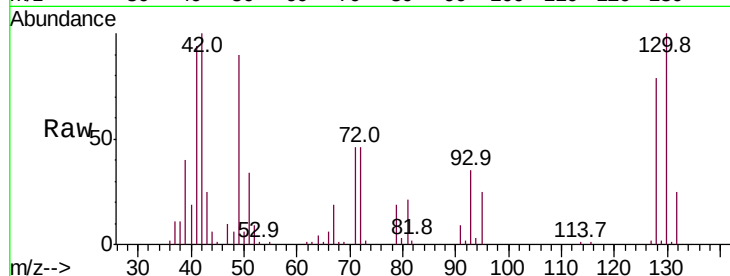
Tot Ion: 42 Resp: 194048

Ion Ratio Lower Upper

42 100

72 46.6 37.8 56.6

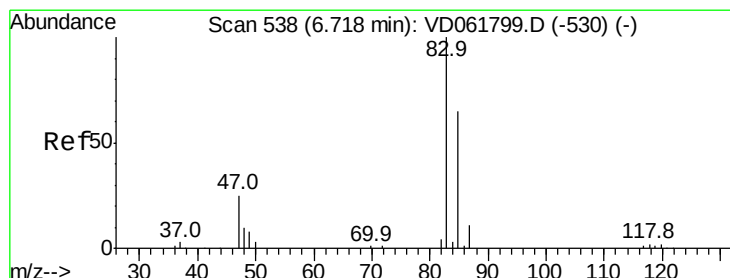
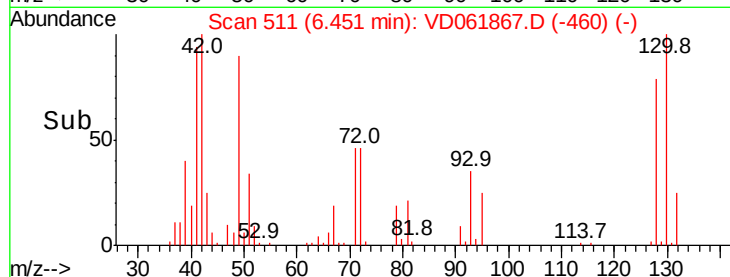
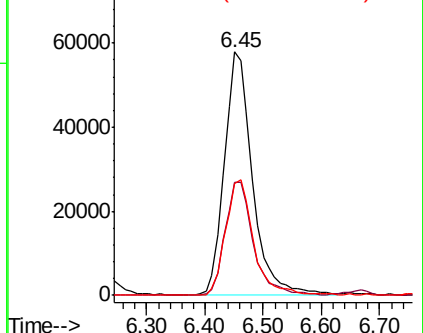
71 47.6 36.7 55.1



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: 49.713 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061867.D

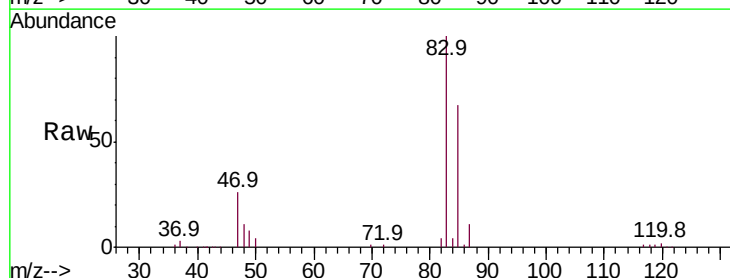
Acq: 18 Apr 2019 11:42

Tgt Ion: 83 Resp: 606412

Ion Ratio Lower Upper

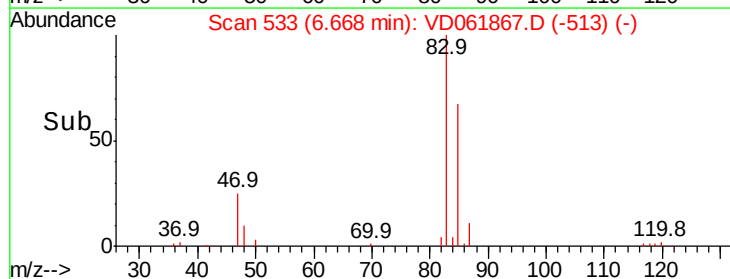
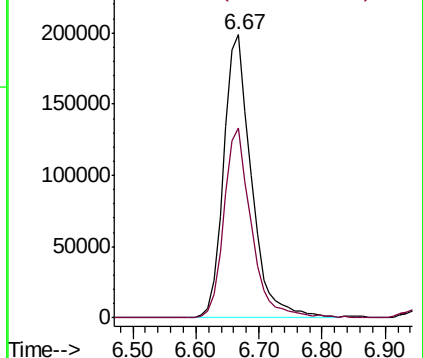
83 100

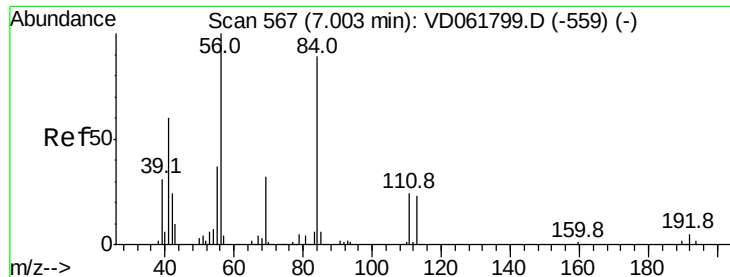
85 66.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

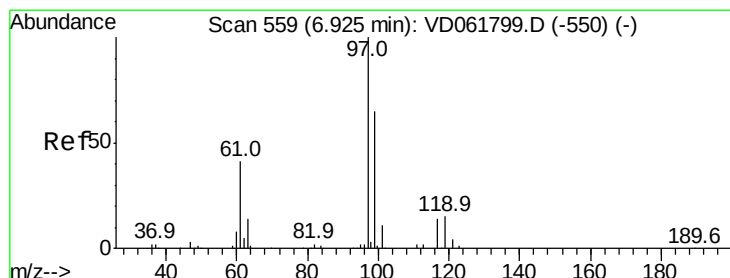
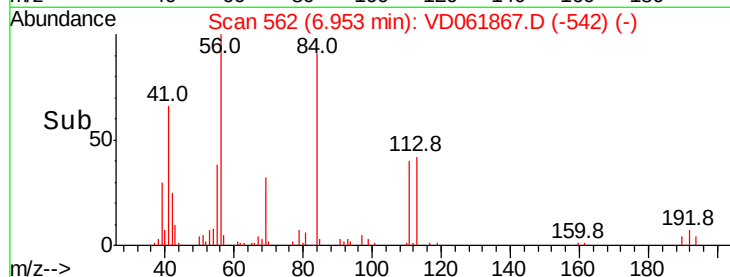
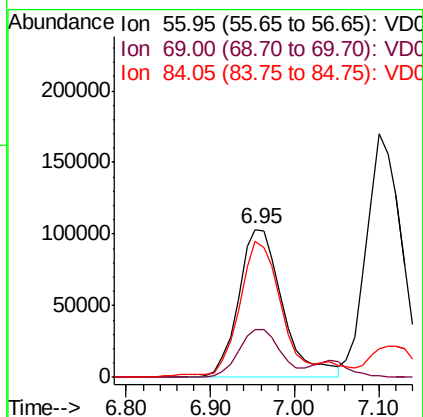
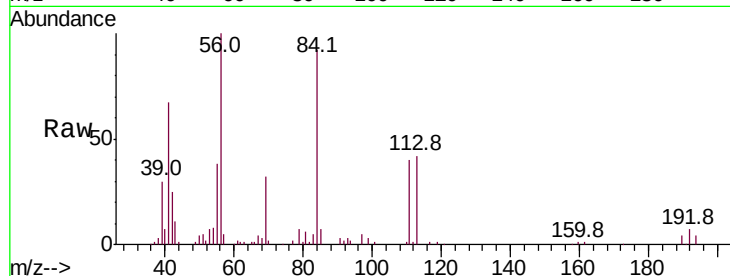




#31
Cyclohexane
Concen: 45.091 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

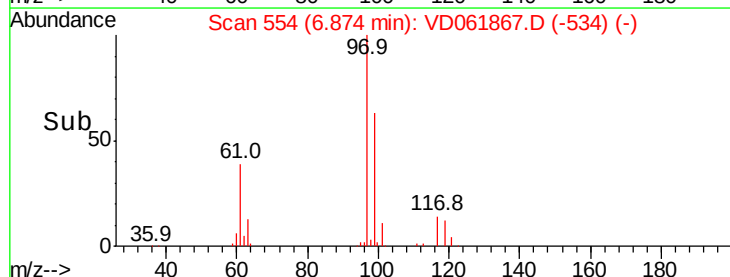
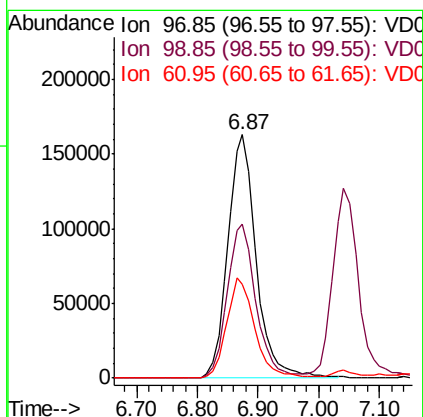
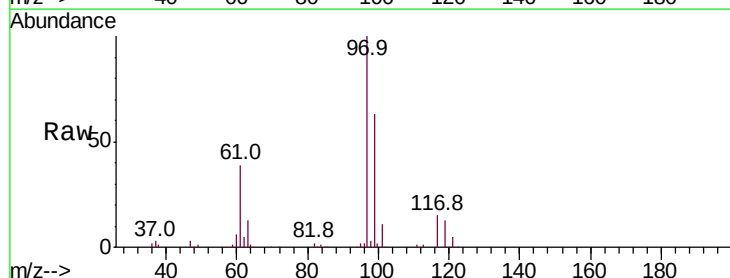
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

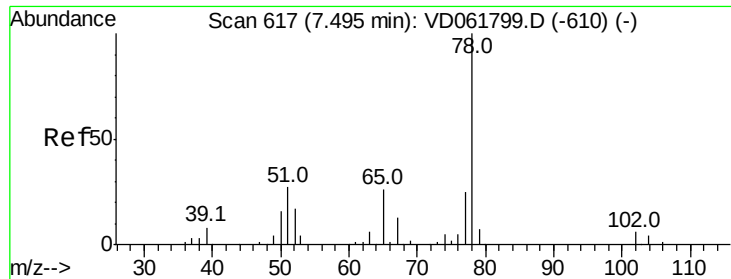
Tot Ion: 56 Resp: 377505
Ion Ratio Lower Upper
56 100
69 32.1 25.8 38.6
84 91.6 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 48.932 ug/l
RT: 6.87 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 97 Resp: 529107
Ion Ratio Lower Upper
97 100
99 63.3 52.2 78.2
61 38.7 32.4 48.6

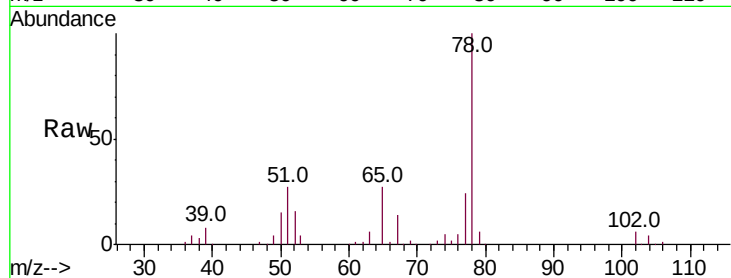




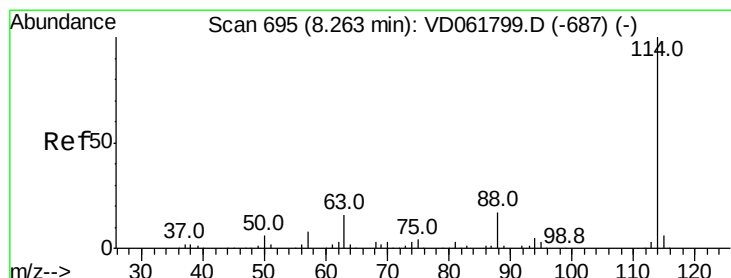
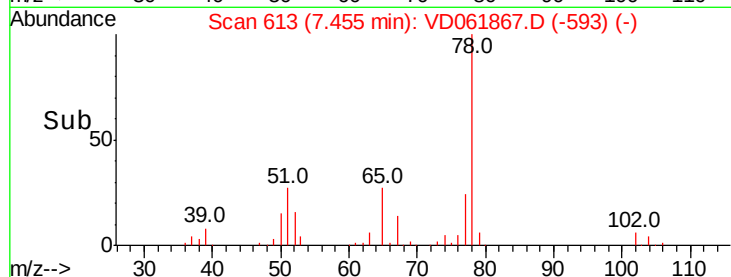
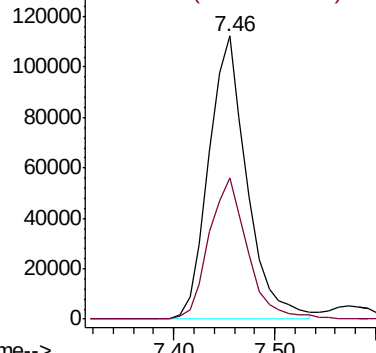
#33
 1,2-Dichloroethane-d4
 Concen: 48.932 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 295313
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0

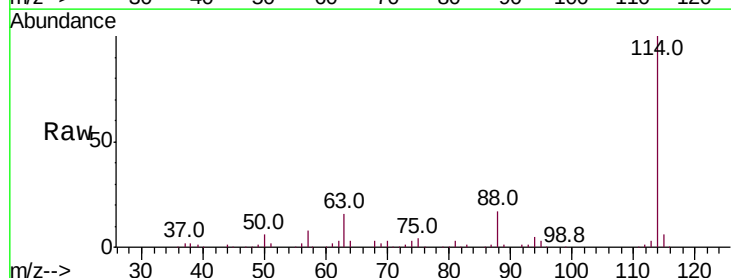


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

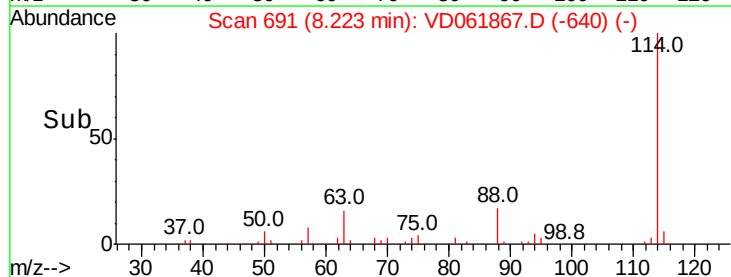
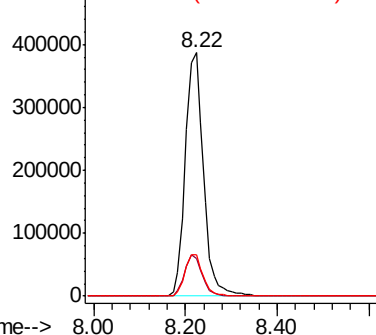


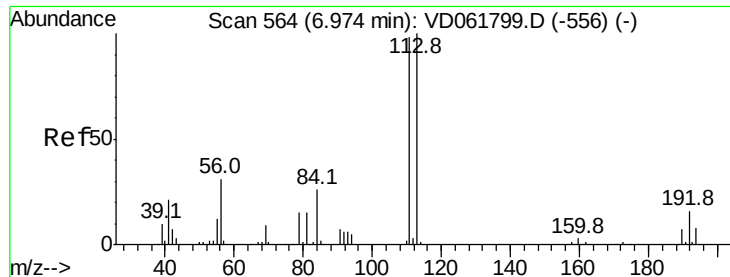
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 114 Resp: 1049693
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.4
 88 17.1 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

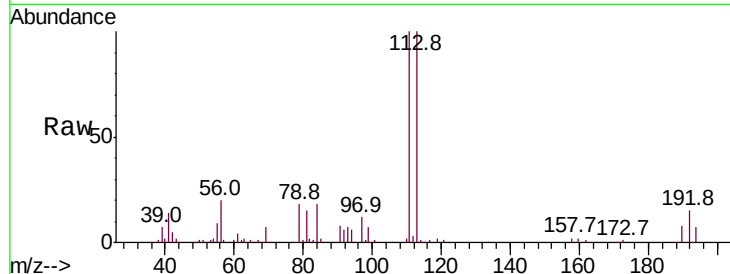




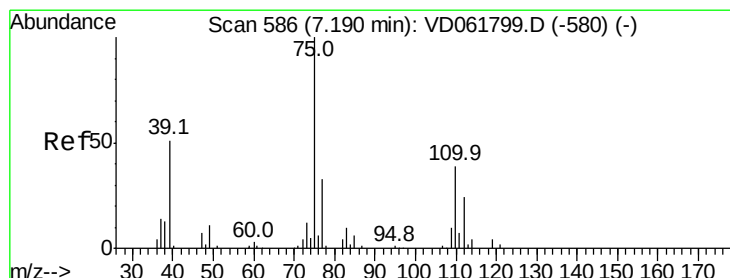
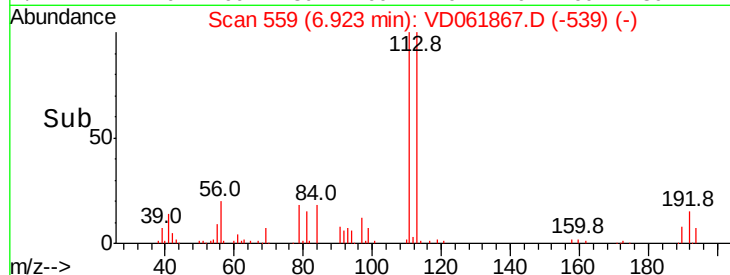
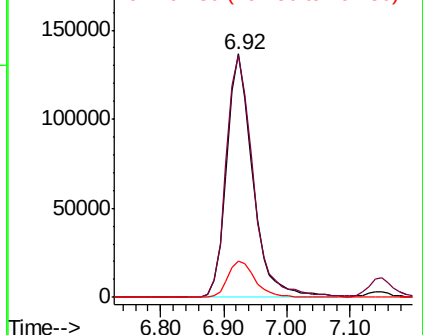
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 391455
 Ion Ratio Lower Upper
 113 100
 111 99.7 78.5 117.7
 192 15.0 13.0 19.4

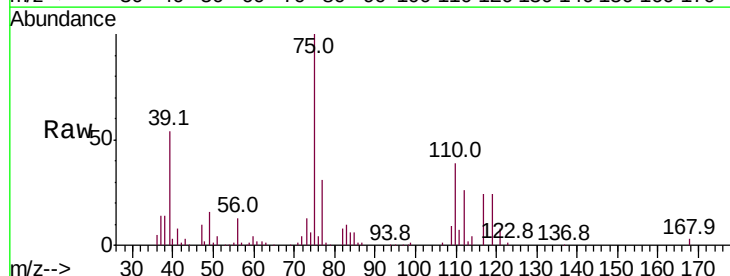


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

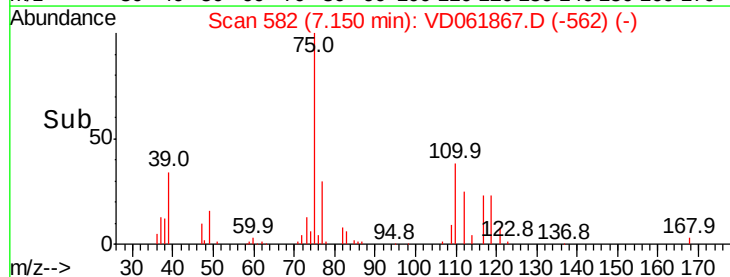
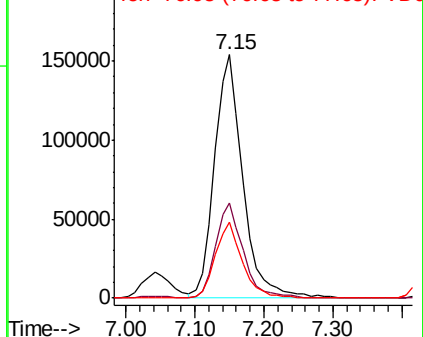


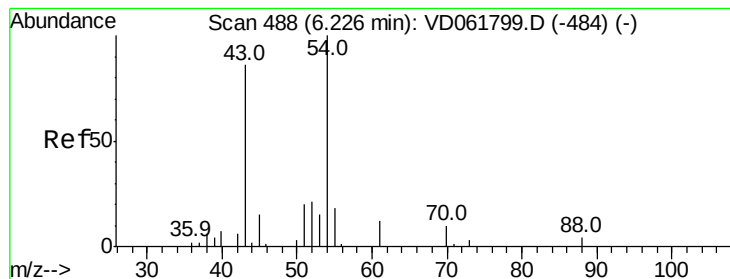
#36
 1,1-Dichloropropene
 Concen: 50.692 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 75 Resp: 434823
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.1 57.1
 77 31.3 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: 52.265 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

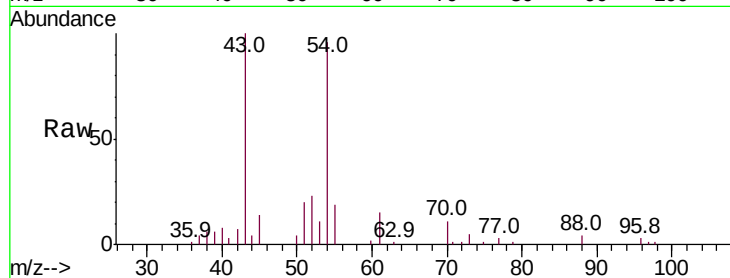
Tot Ion: 43 Resp: 191873

Ion Ratio Lower Upper

43 100

61 15.1 14.7 22.1

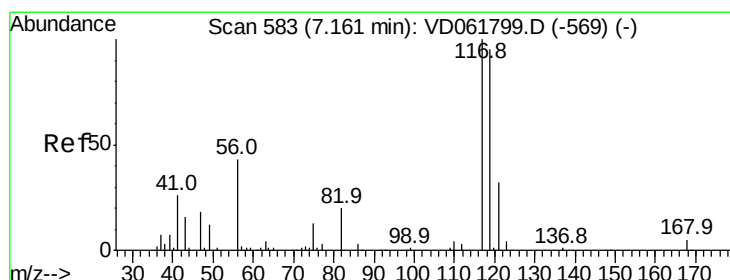
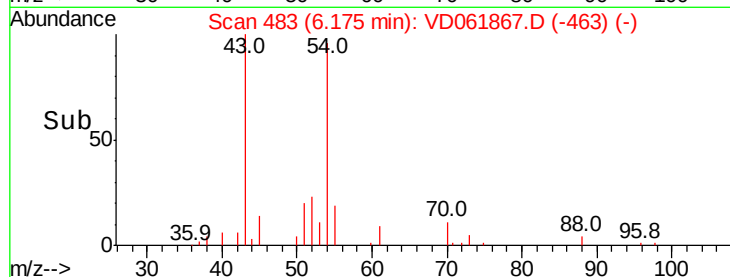
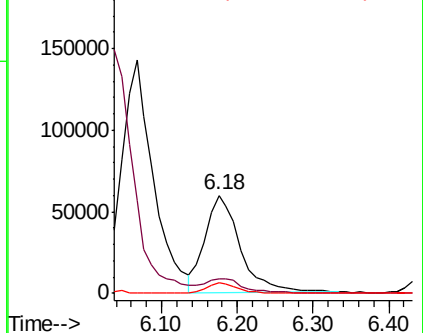
70 10.6 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 53.024 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

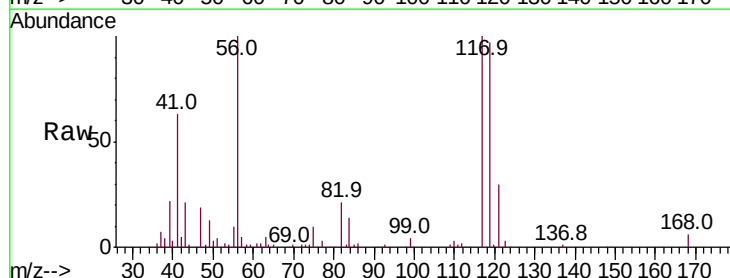
Tgt Ion: 117 Resp: 574306

Ion Ratio Lower Upper

117 100

119 96.7 75.8 113.8

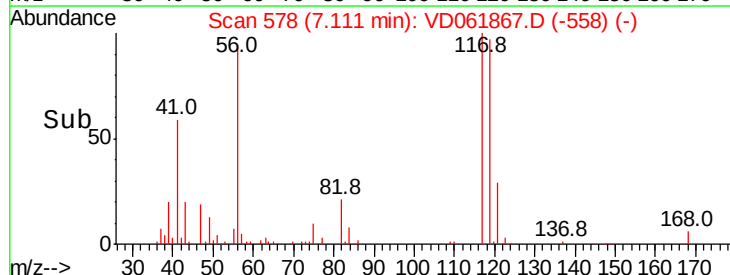
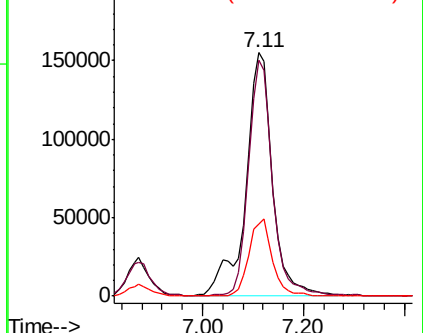
121 29.7 25.9 38.9

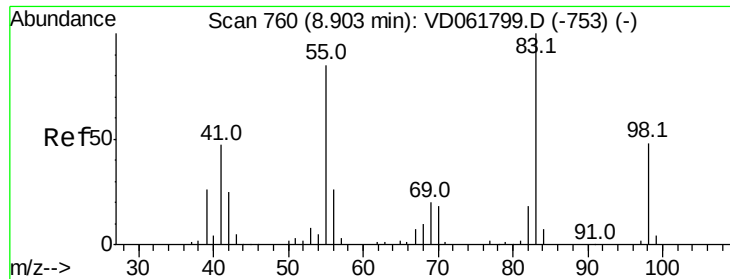


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

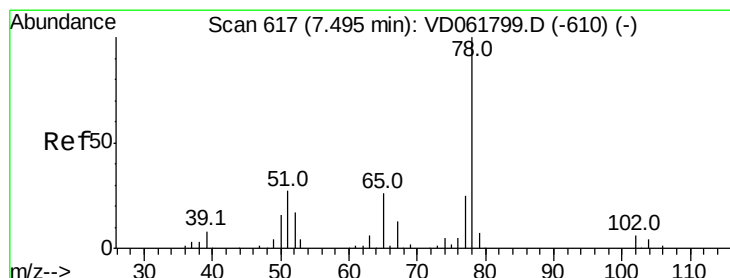
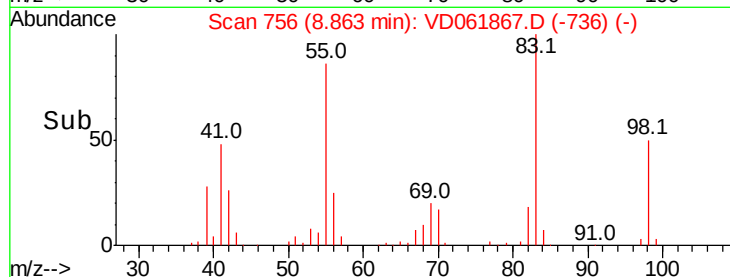
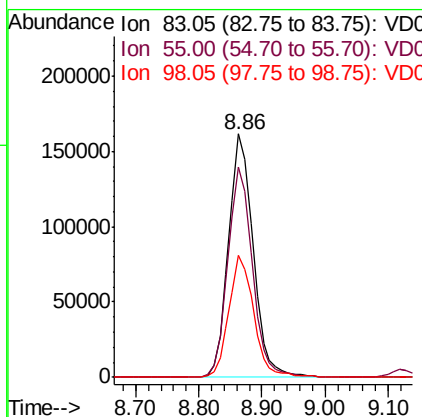
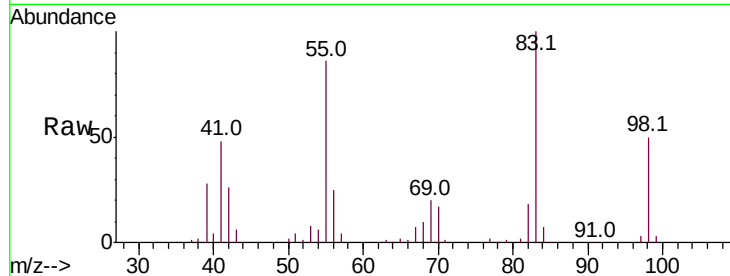




#39
Methylvlcyclohexane
Concen: 49.231 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

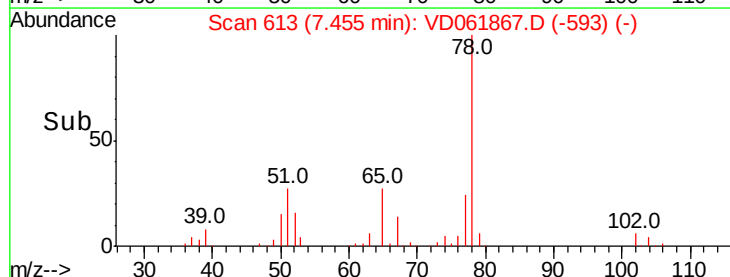
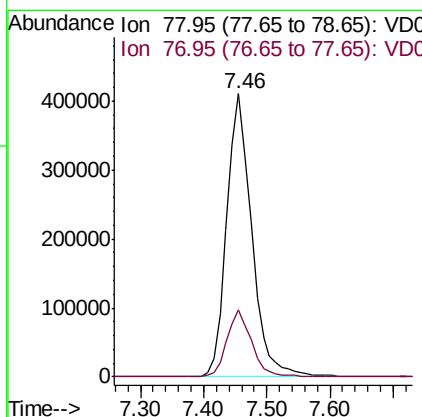
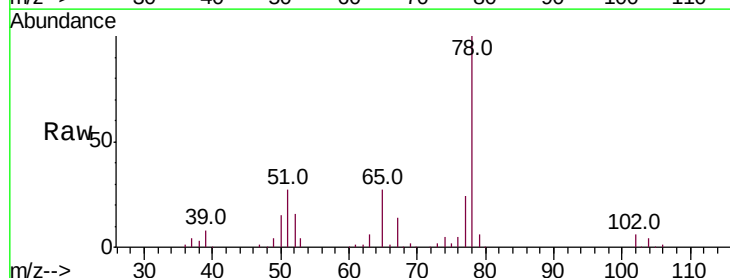
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

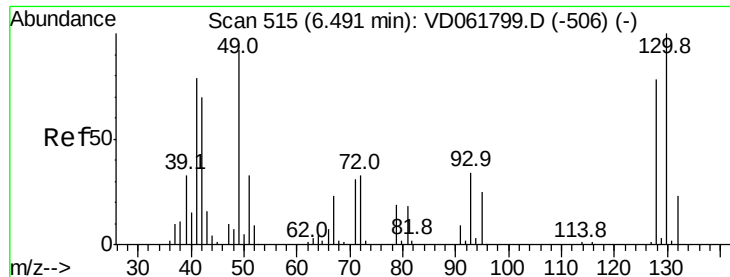
Tot Ion: 83 Resp: 438515
Ion Ratio Lower Upper
83 100
55 86.2 68.2 102.4
98 50.3 38.2 57.4



#40
Benzene
Concen: 54.866 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 78 Resp: 1129872
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5

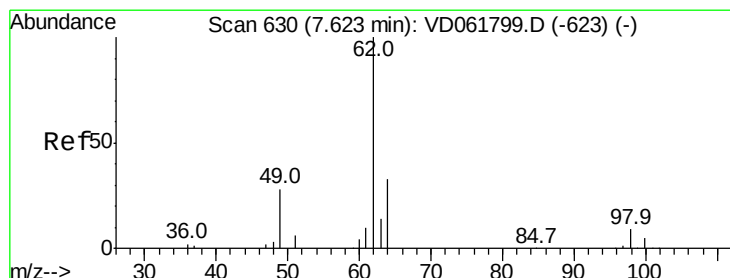
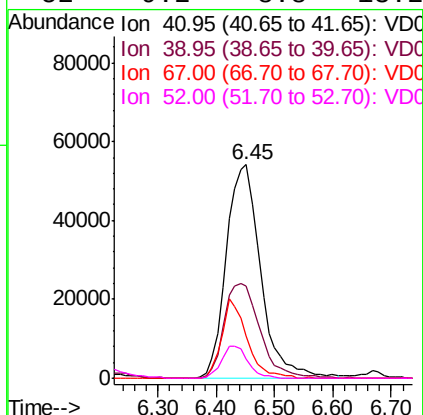
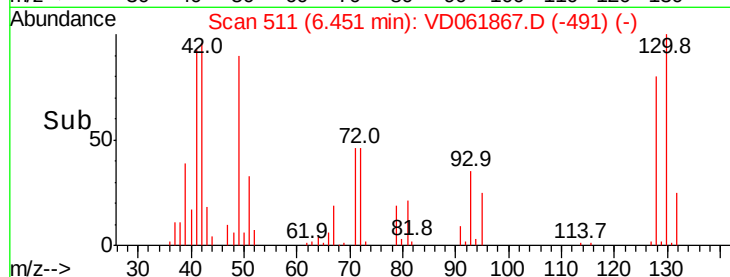
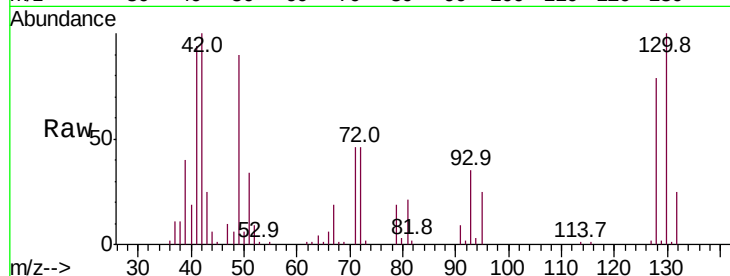




#41
Methacrylonitrile
Concen: 51.272 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

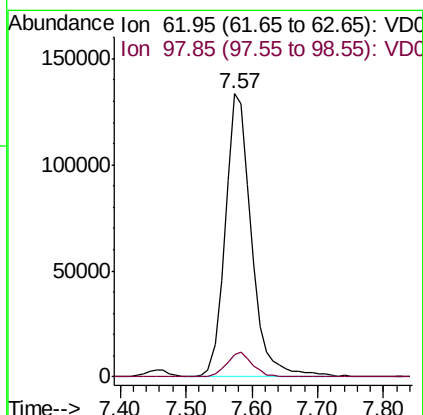
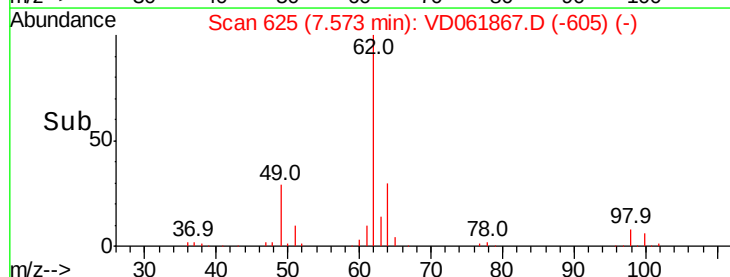
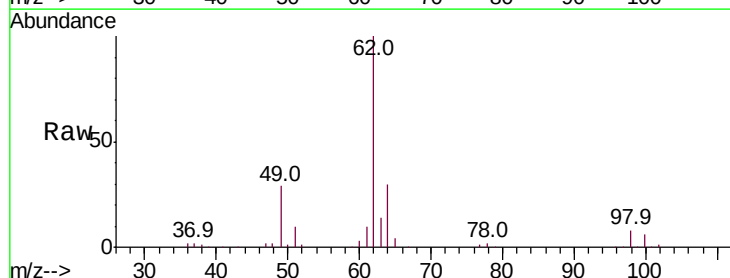
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

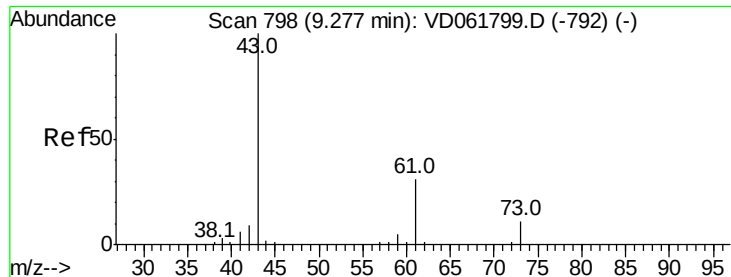
Tot Ion: 41 Resp: 222477
Ion Ratio Lower Upper
41 100
39 43.2 34.1 51.1
67 19.8 23.8 35.6#
52 9.2 8.8 13.2



#42
1,2-Dichloroethane
Concen: 51.796 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 62 Resp: 371482
Ion Ratio Lower Upper
62 100
98 8.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 55.184 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

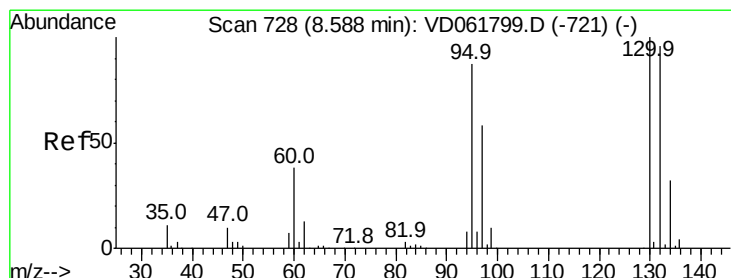
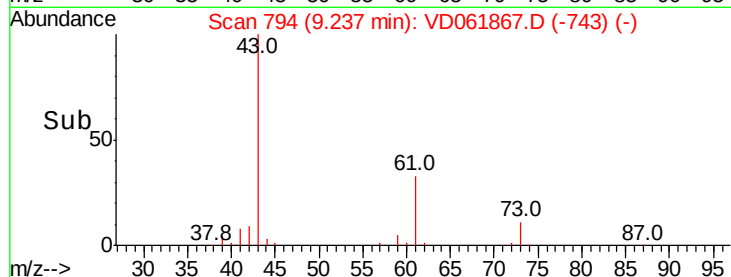
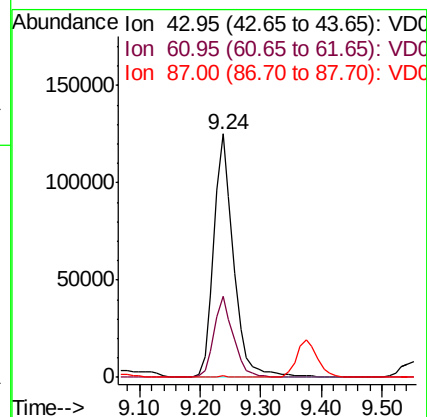
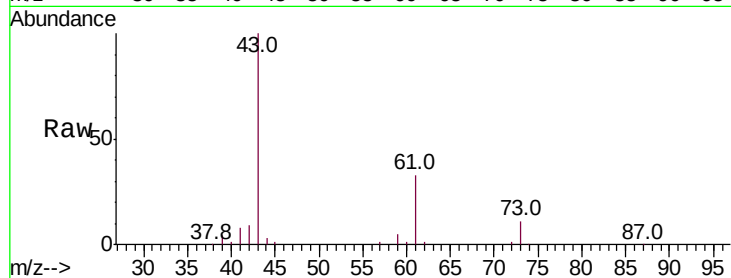
Tot Ion: 43 Resp: 285094

Ion Ratio Lower Upper

43 100

61 33.1 25.1 37.7

87 0.5 0.0 0.0#



#44

Trichloroethene

Concen: 54.120 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061867.D

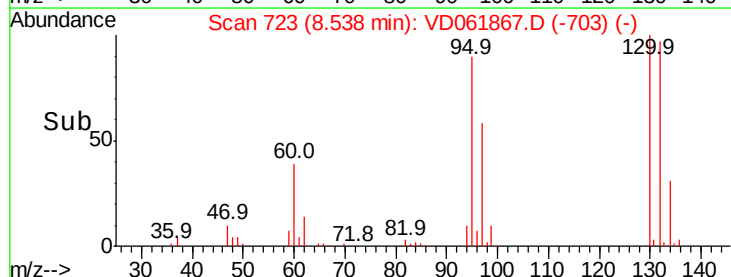
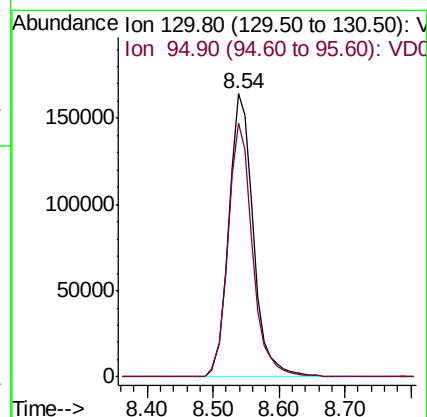
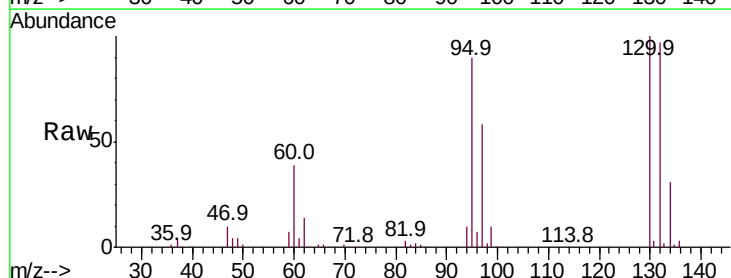
Acq: 18 Apr 2019 11:42

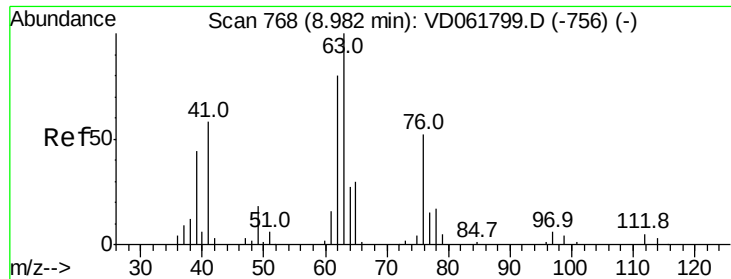
Tgt Ion:130 Resp: 429040

Ion Ratio Lower Upper

130 100

95 89.9 0.0 174.0

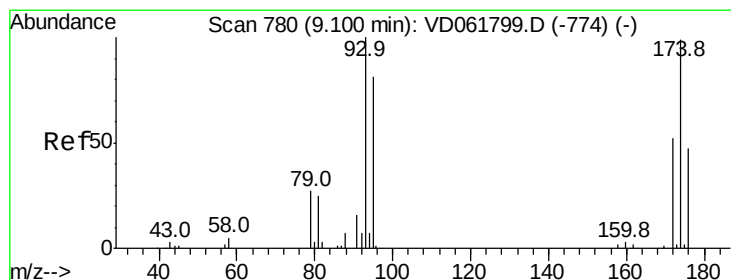
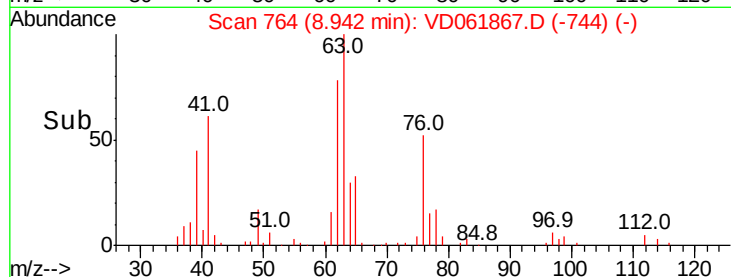
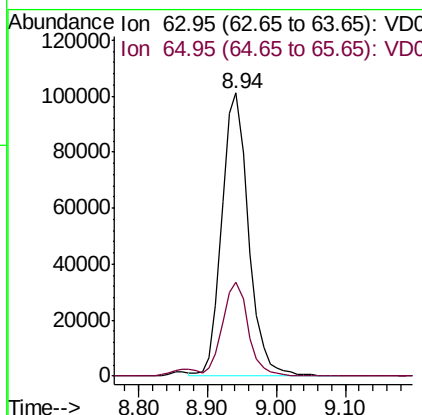
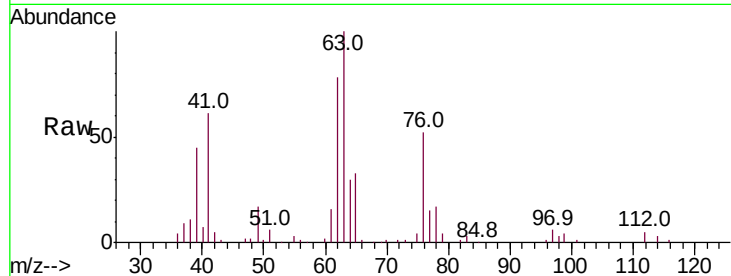




#45
 1,2-Dichloropropane
 Concen: 50.729 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

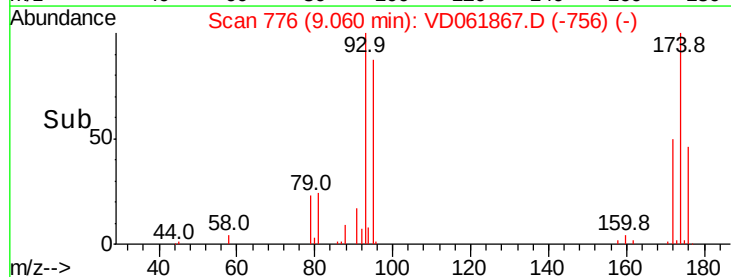
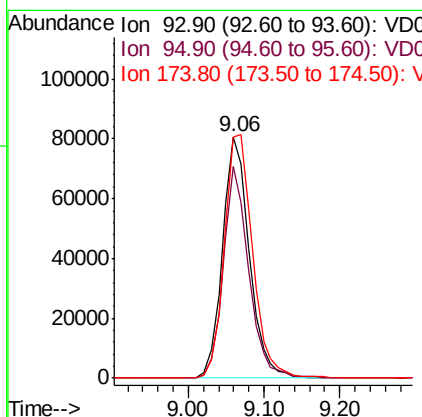
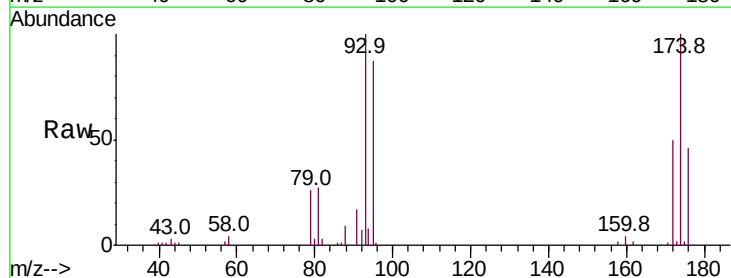
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

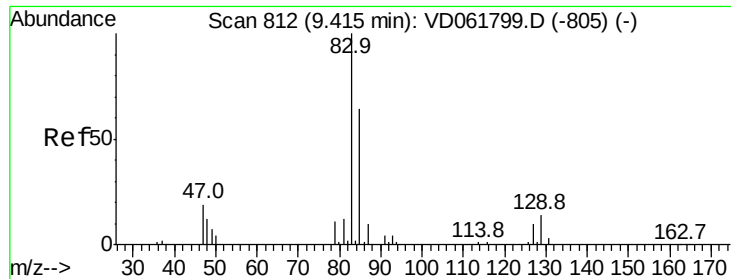
Tot Ion: 63 Resp: 272112
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.8 35.6



#46
 Dibromomethane
 Concen: 51.787 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 93 Resp: 197935
 Ion Ratio Lower Upper
 93 100
 95 87.6 64.8 97.2
 174 100.2 79.3 118.9





#47

Bromodichloromethane

Concen: 50.866 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

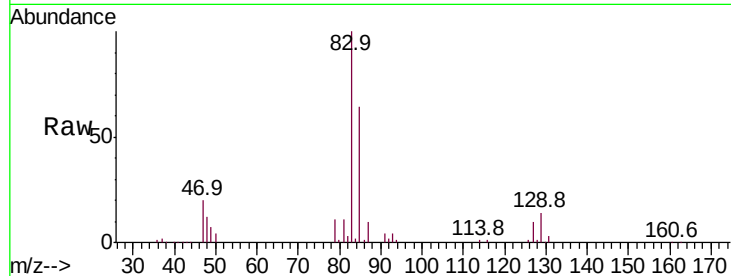
Tot Ion: 83 Resp: 448514

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

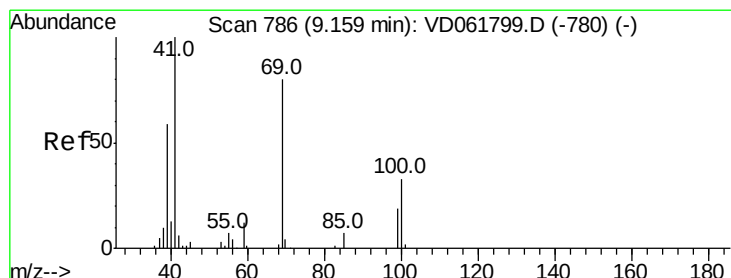
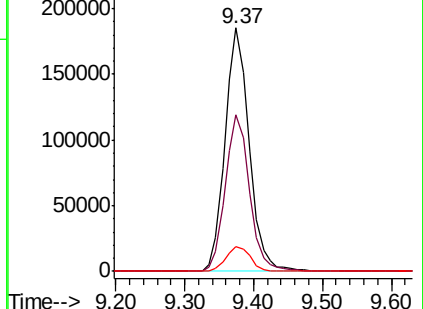
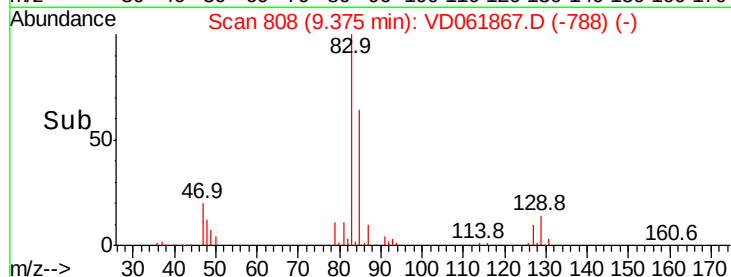
127 10.1 8.1 12.1



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: 50.887 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

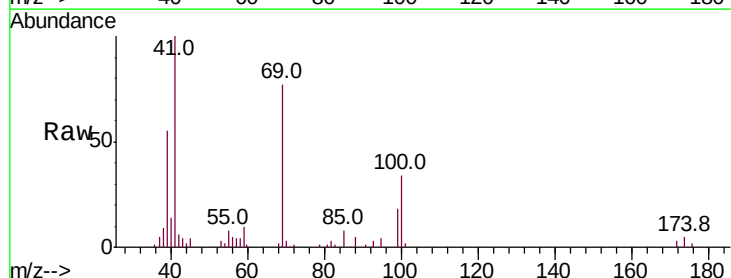
Tgt Ion: 41 Resp: 154532

Ion Ratio Lower Upper

41 100

69 77.3 64.2 96.2

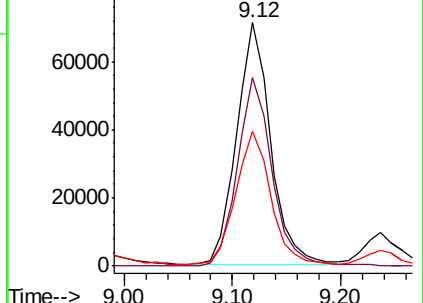
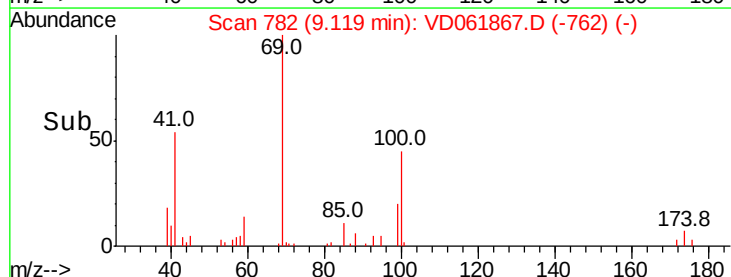
39 55.5 46.8 70.2

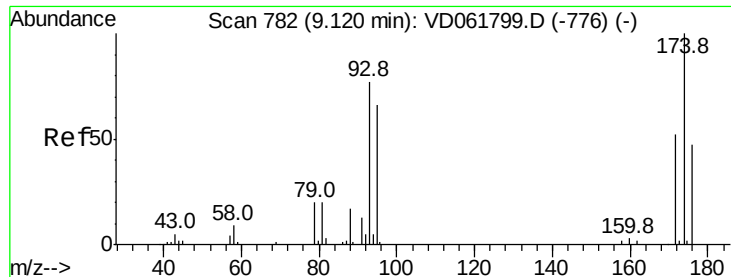


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1149.785 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

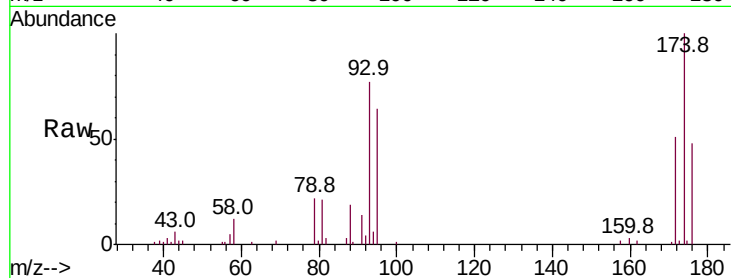
Tot Ion: 88 Resp: 38164

Ion Ratio Lower Upper

88 100

43 34.2 23.4 35.0

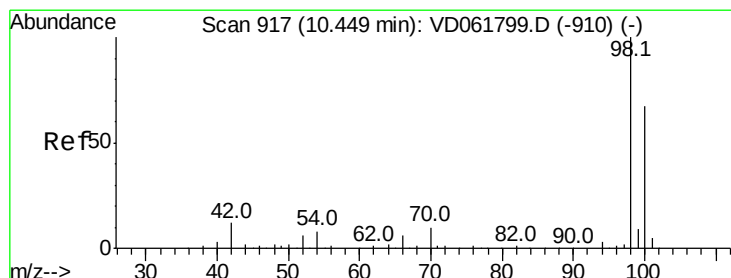
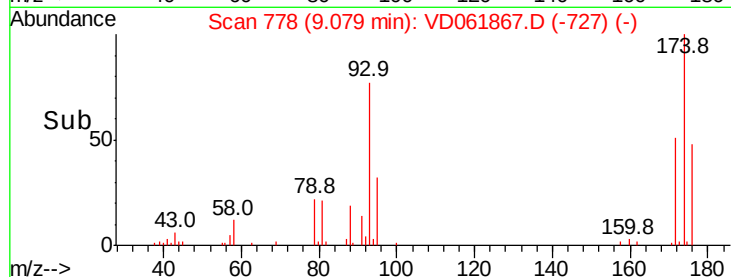
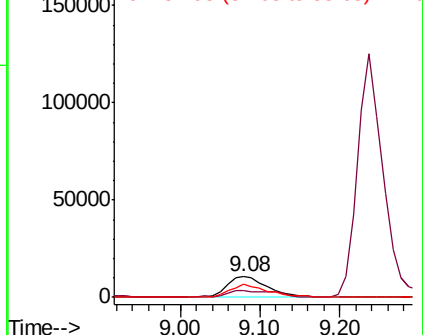
58 65.7 44.0 66.0



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: 1149.785 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061867.D

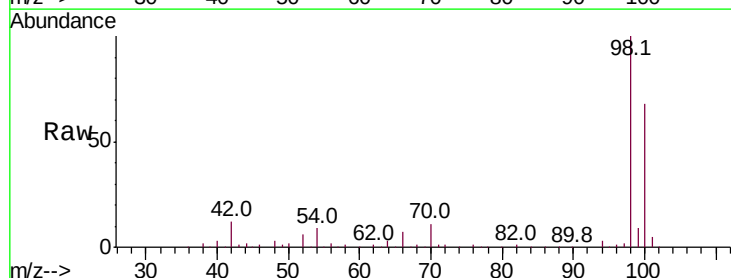
Acq: 18 Apr 2019 11:42

Tgt Ion: 98 Resp: 902459

Ion Ratio Lower Upper

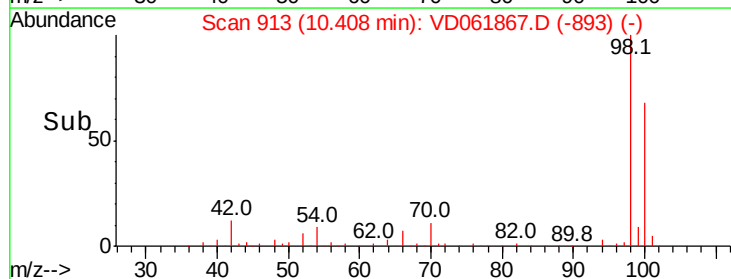
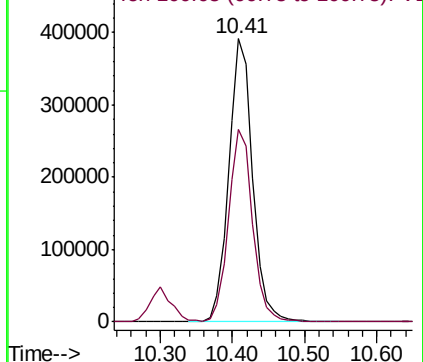
98 100

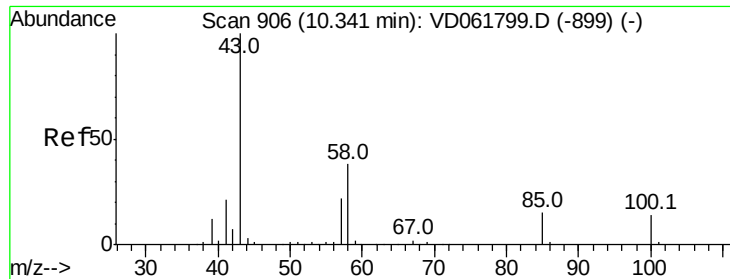
100 68.1 53.8 80.8



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: 266.267 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

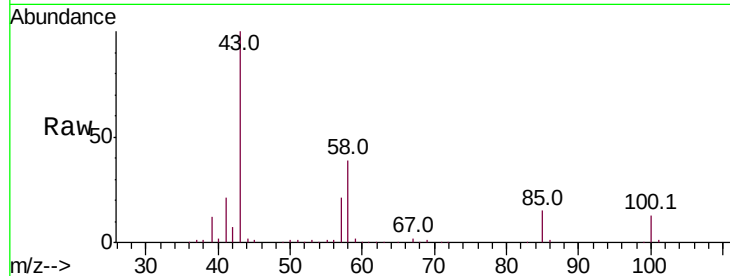
VSTDCCC050

Tot Ion: 43 Resp: 841226

Ion Ratio Lower Upper

43 100

58 38.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

300000

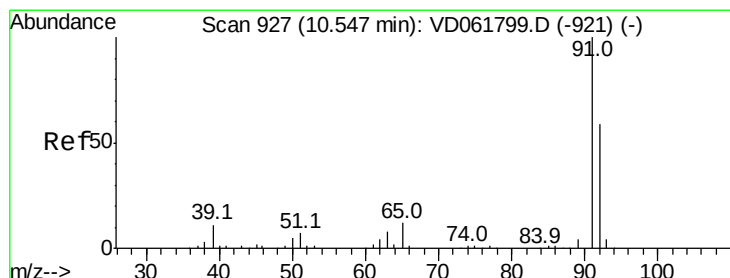
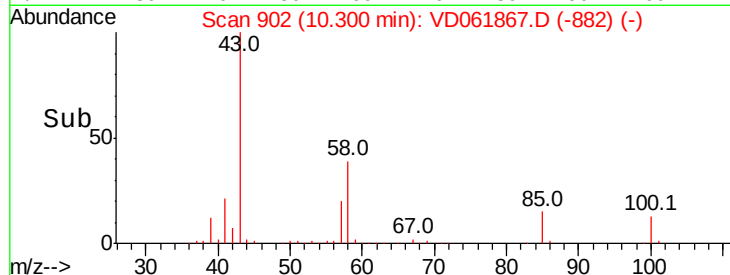
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#52

Toluene

Concen: 49.121 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061867.D

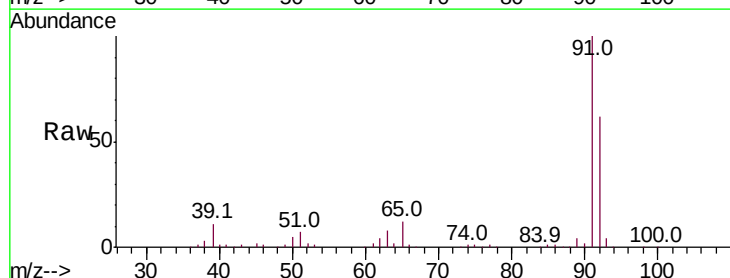
Acq: 18 Apr 2019 11:42

Tgt Ion: 92 Resp: 648236

Ion Ratio Lower Upper

92 100

91 161.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

500000

400000

300000

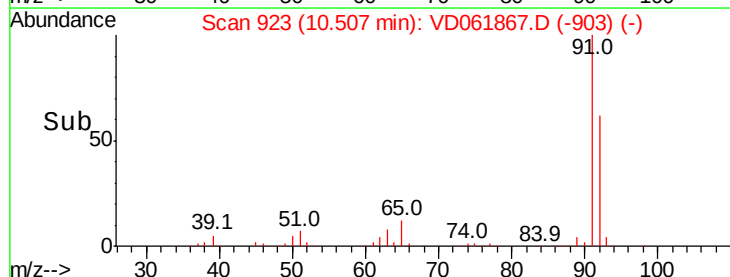
200000

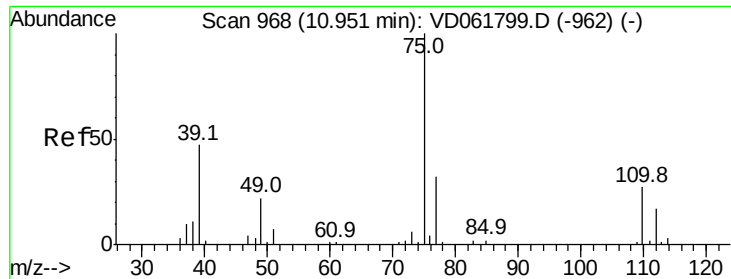
100000

0

Time-->

10.40 10.50 10.60

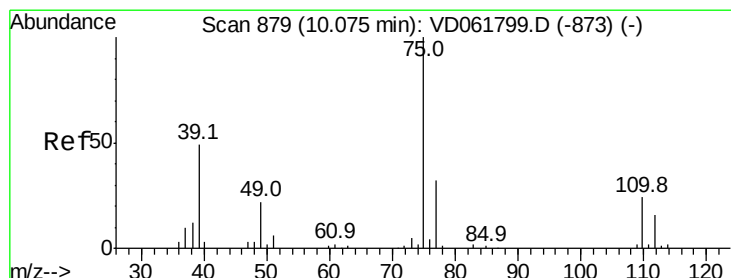
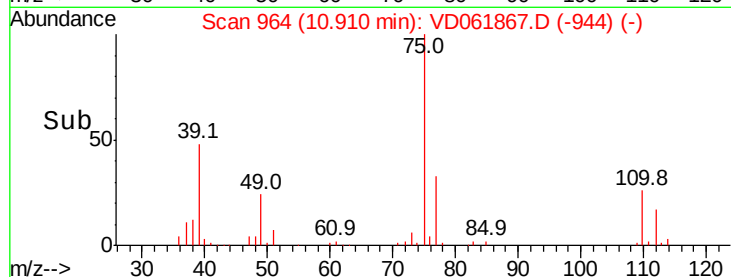
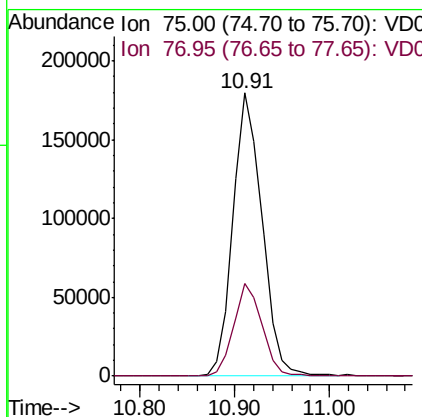
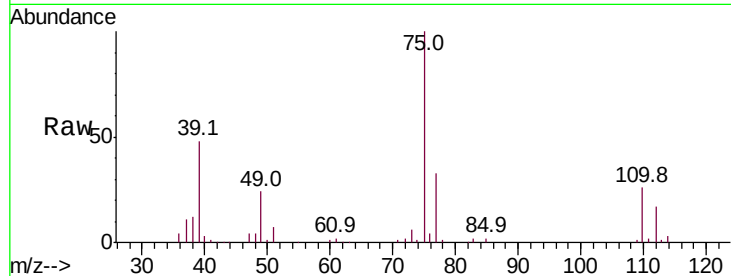




#53
 t-1,3-Dichloropropene
 Concen: 48.254 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

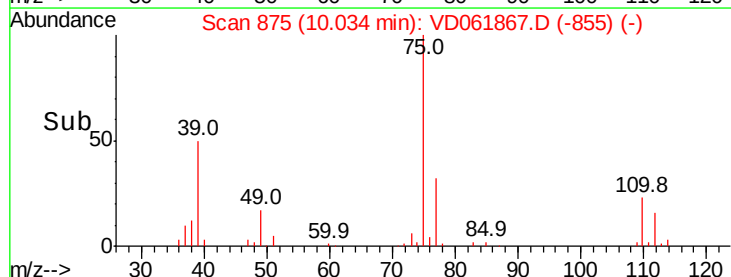
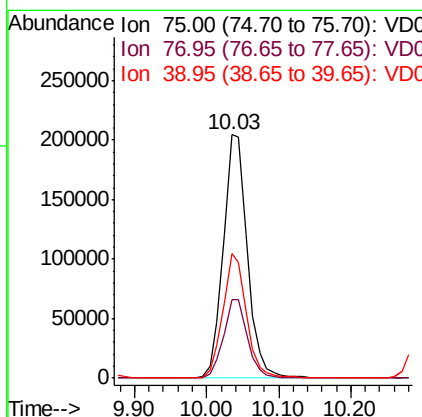
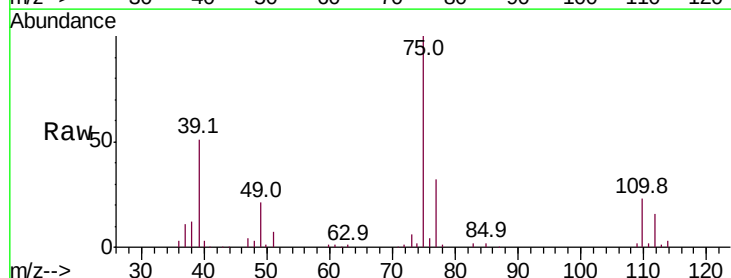
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

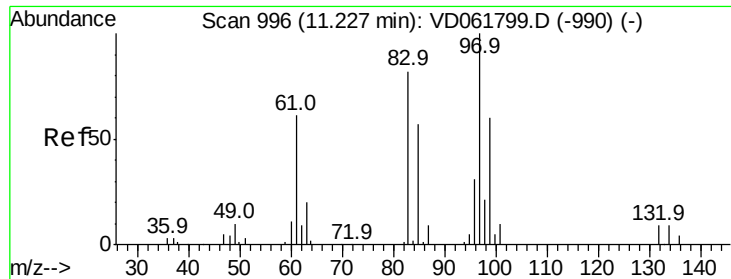
Tot Ion: 75 Resp: 383393
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.677 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 75 Resp: 472635
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 51.0 39.4 59.2

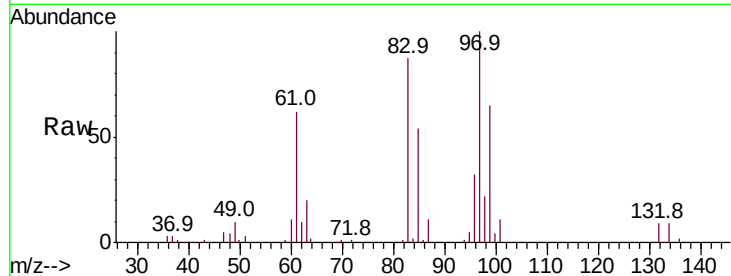




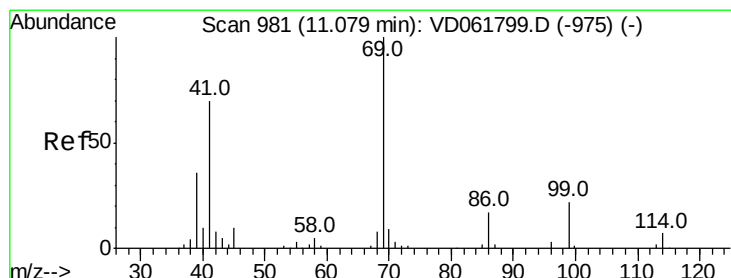
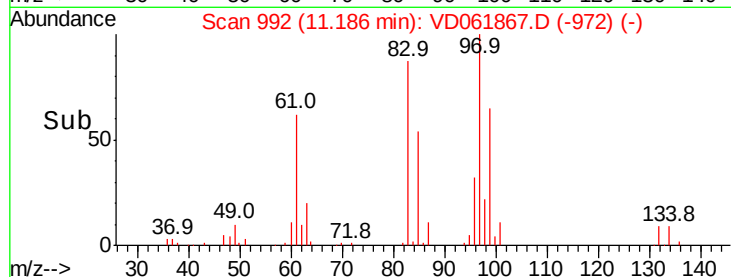
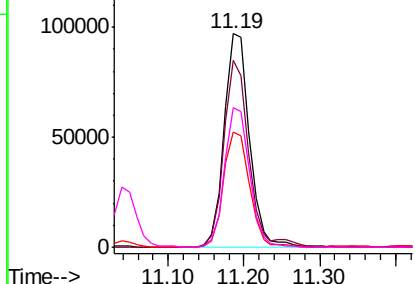
#55
 1,1,2-Trichloroethane
 Concen: 50.558 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 224820
 Ion Ratio Lower Upper
 97 100
 83 87.3 65.7 98.5
 85 54.0 45.6 68.4
 99 65.0 48.4 72.6

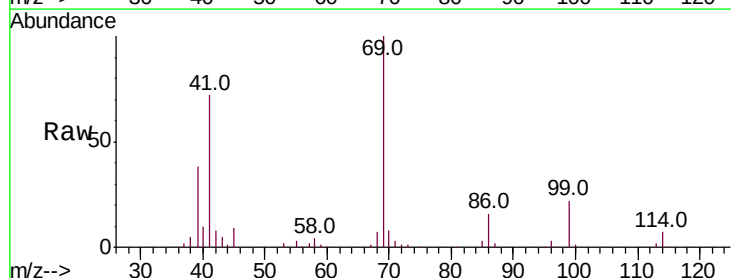


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

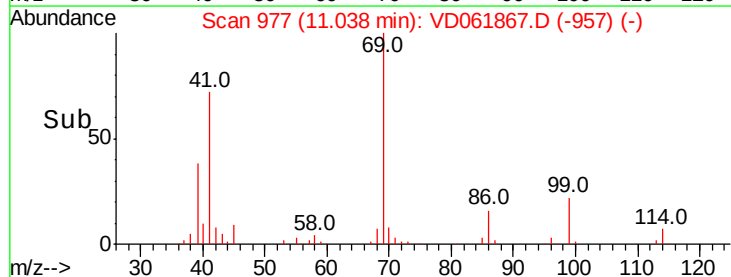
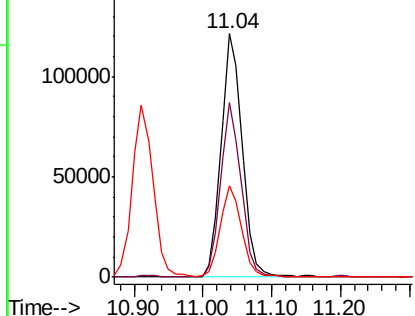


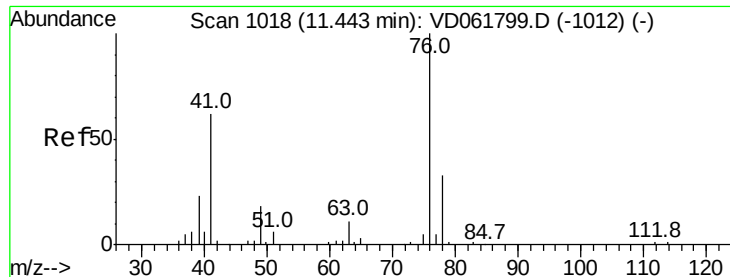
#56
 Ethyl methacrylate
 Concen: 52.694 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 69 Resp: 257175
 Ion Ratio Lower Upper
 69 100
 41 71.6 56.3 84.5
 39 37.6 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.637 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

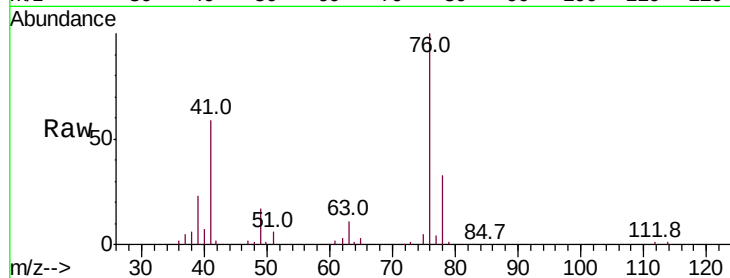
VSTDCCC050

Tot Ion: 76 Resp: 338519

Ion Ratio Lower Upper

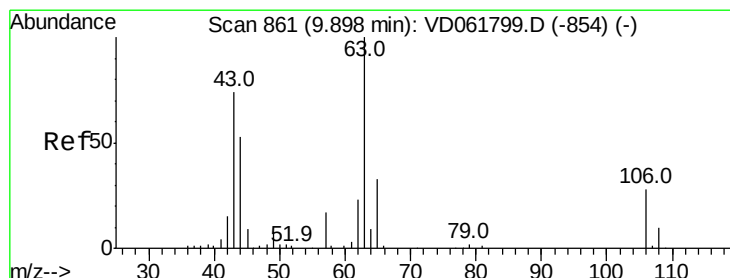
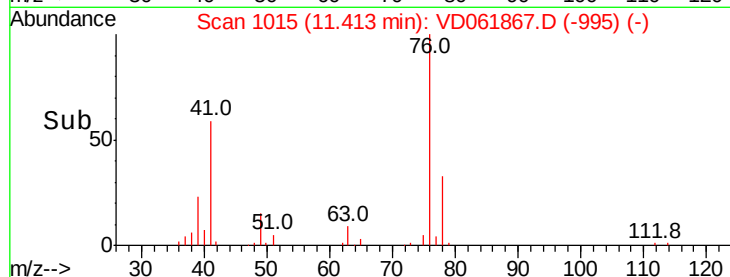
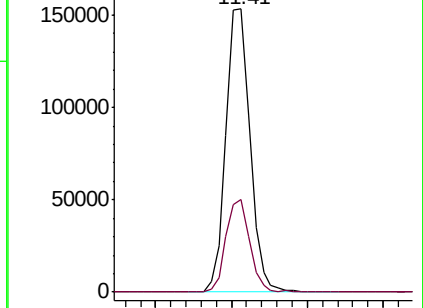
76 100

78 32.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 252.096 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061867.D

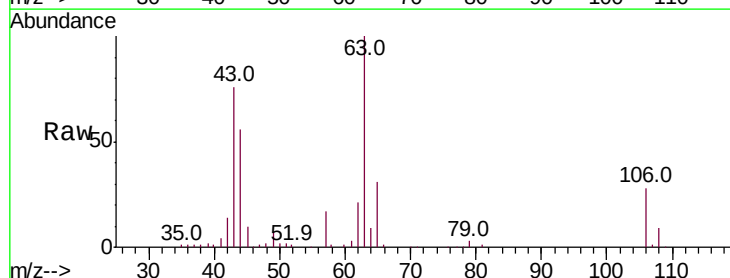
Acq: 18 Apr 2019 11:42

Tgt Ion: 63 Resp: 585213

Ion Ratio Lower Upper

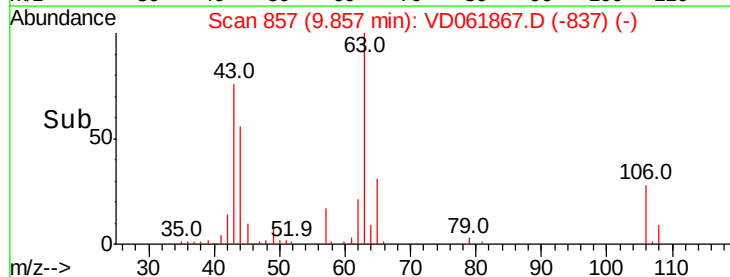
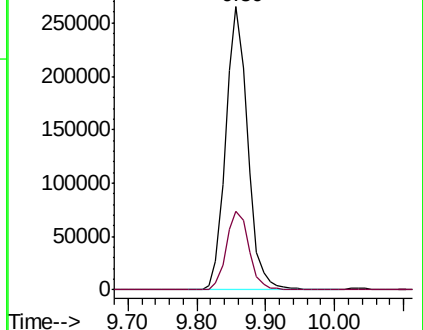
63 100

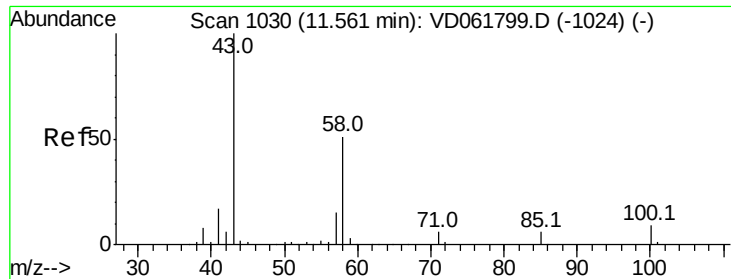
106 28.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

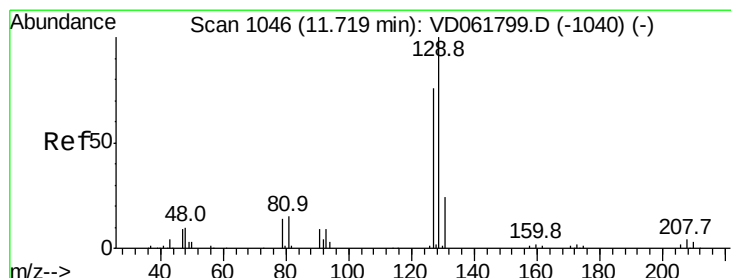
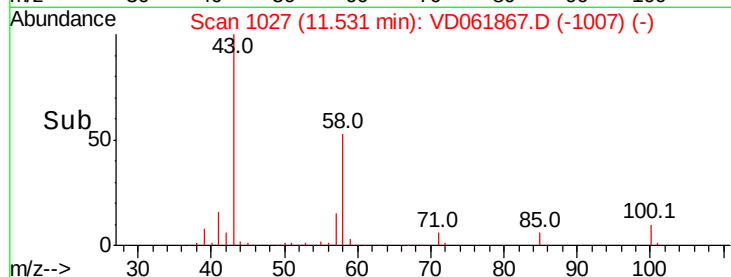
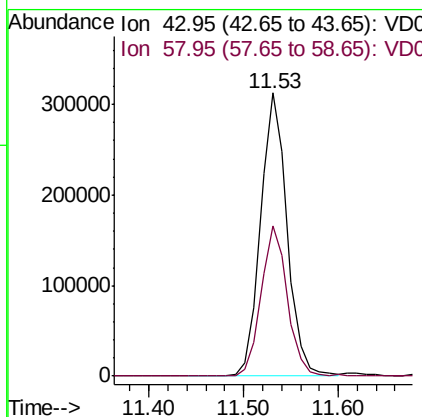
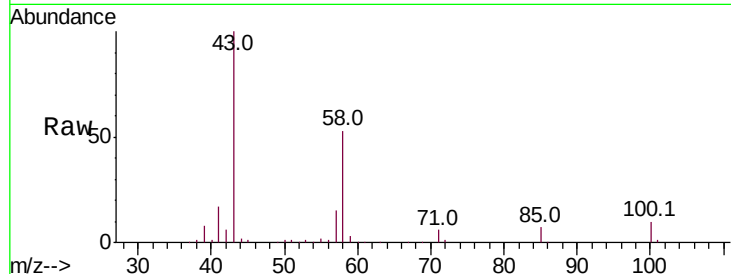




#59
2-Hexanone
Concen: 260.262 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

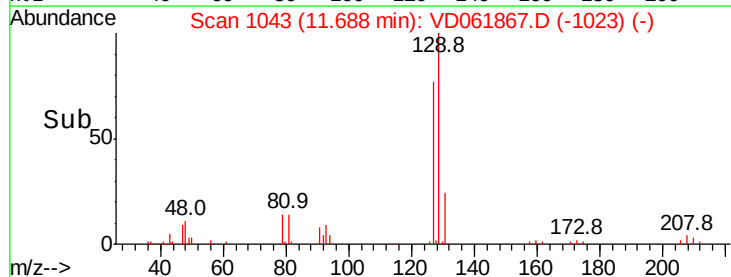
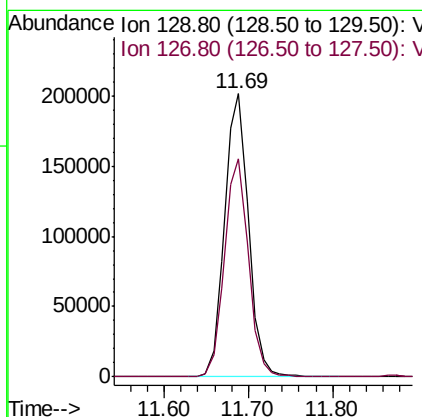
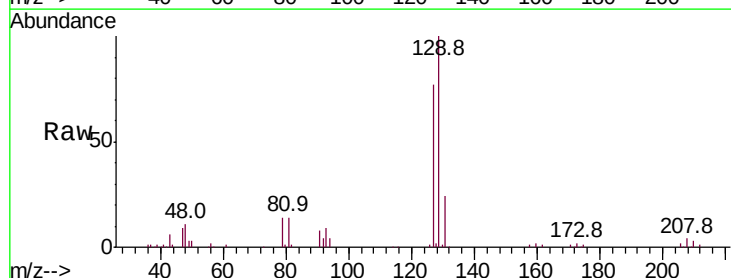
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

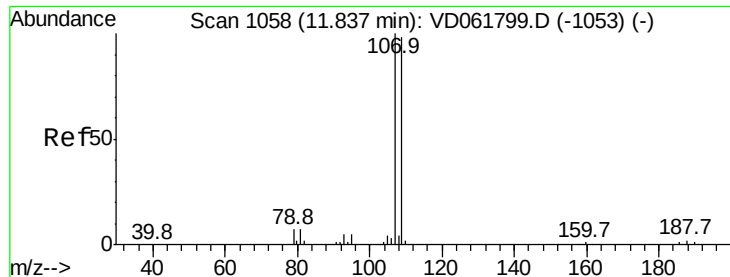
Tot Ion: 43 Resp: 610707
Ion Ratio Lower Upper
43 100
58 53.0 25.4 76.4



#60
Dibromochloromethane
Concen: 54.580 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:129 Resp: 397126
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 51.320 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

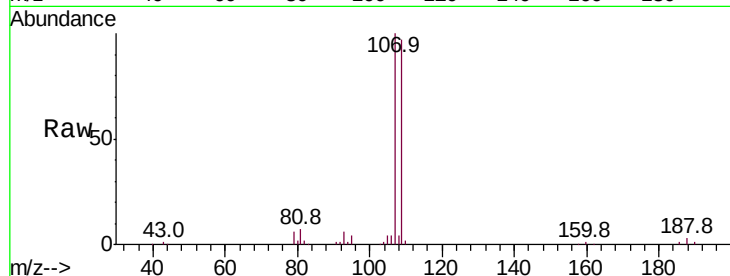
VSTDCCC050

Tot Ion:107 Resp: 280607

Ion Ratio Lower Upper

107 100

109 97.1 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

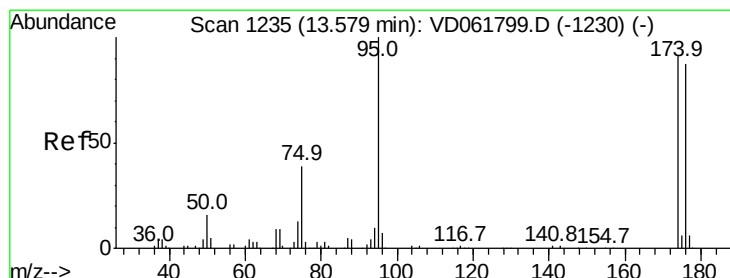
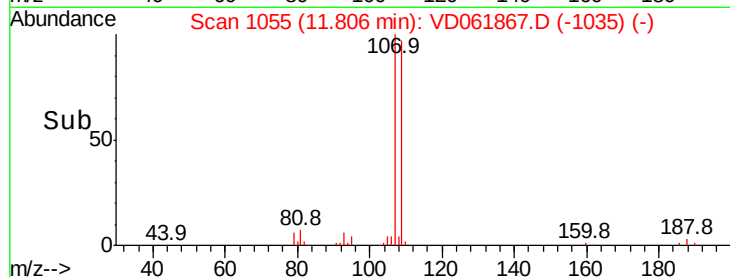
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.320 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

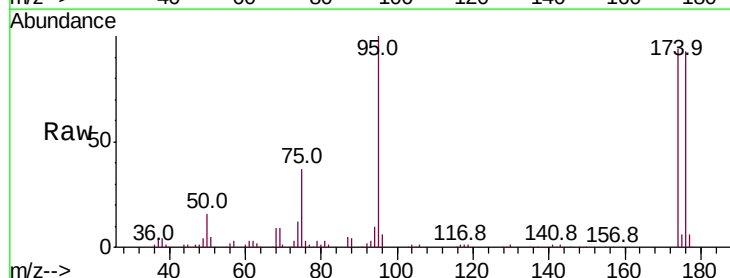
Tgt Ion: 95 Resp: 348194

Ion Ratio Lower Upper

95 100

174 94.0 0.0 181.8

176 92.9 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

13.56

300000

250000

200000

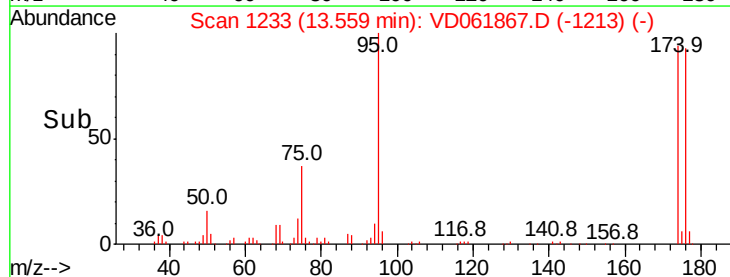
150000

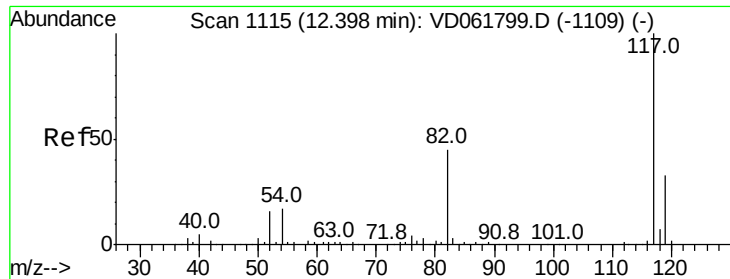
100000

50000

0

Time-->

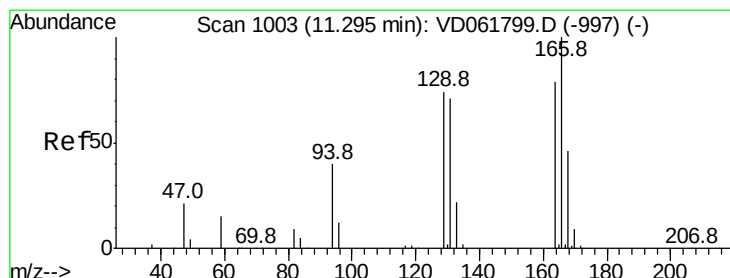
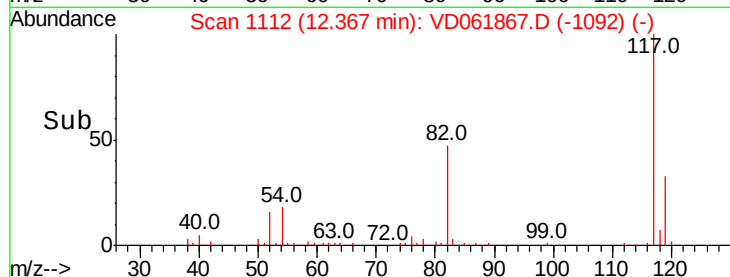
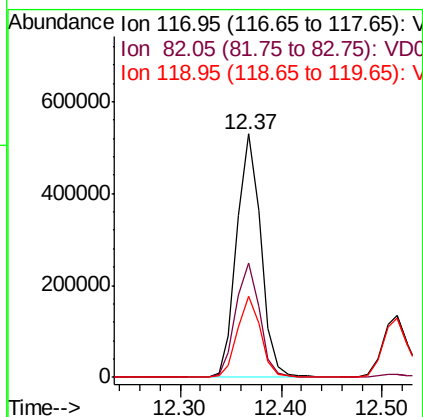
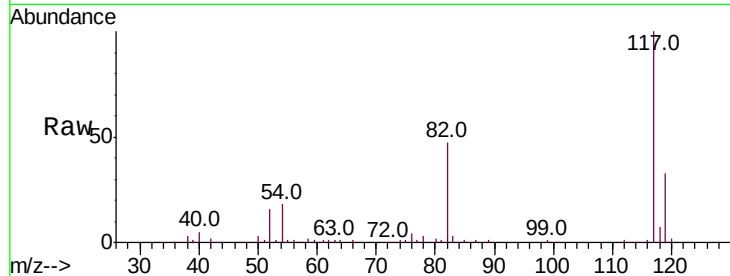




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

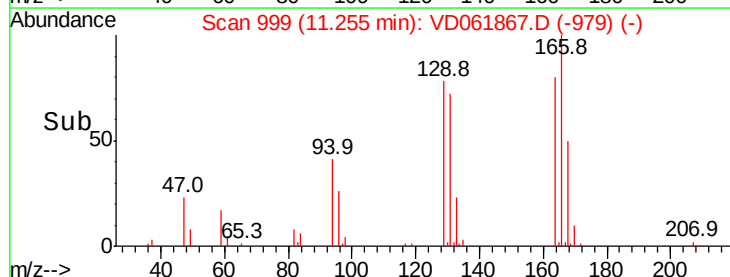
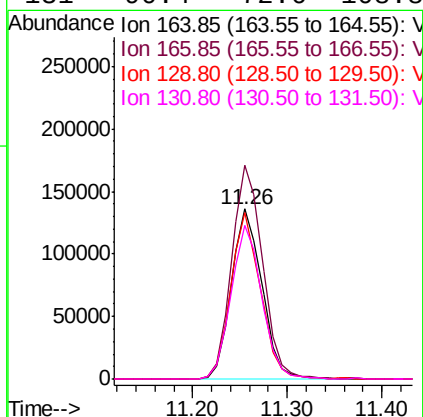
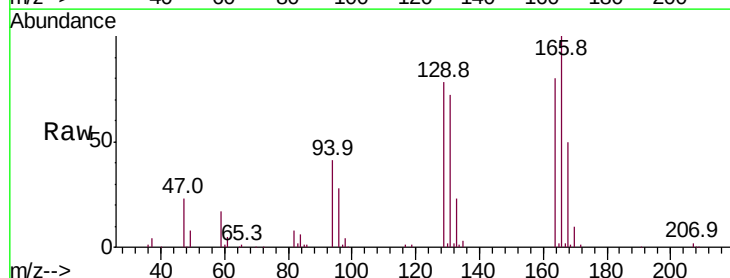
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

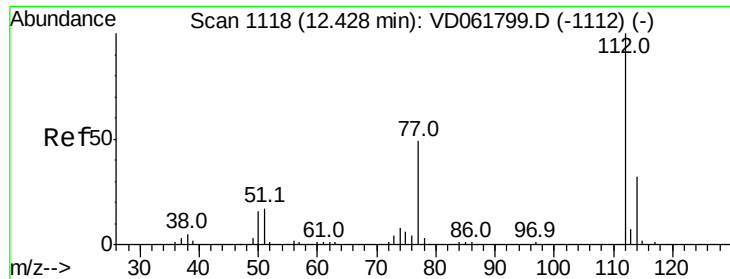
Tot Ion:117 Resp: 881794
Ion Ratio Lower Upper
117 100
82 47.1 36.2 54.2
119 33.2 26.2 39.4



#64
Tetrachloroethene
Concen: 45.791 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:164 Resp: 302818
Ion Ratio Lower Upper
164 100
166 125.5 101.5 152.3
129 97.8 74.6 112.0
131 90.4 72.6 108.8

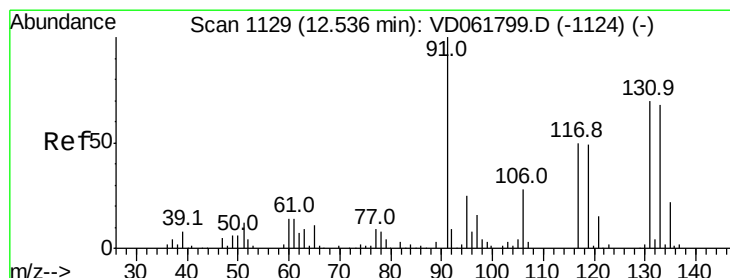
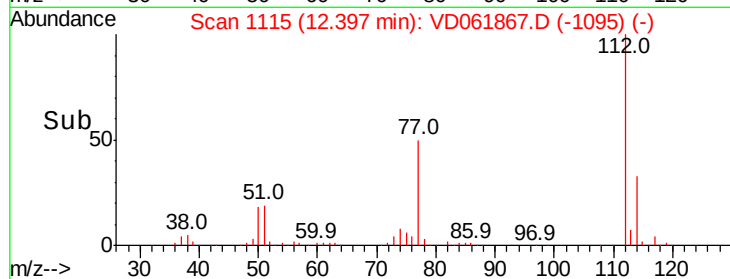
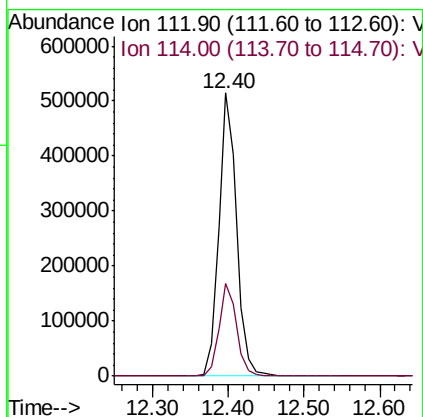
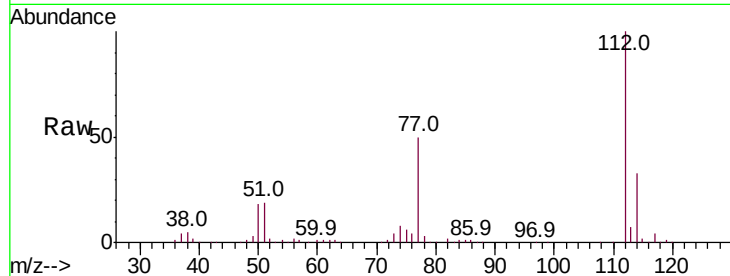




#65
Chlorobenzene
Concen: 51.427 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

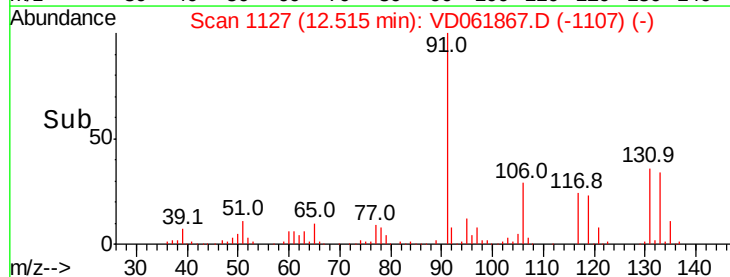
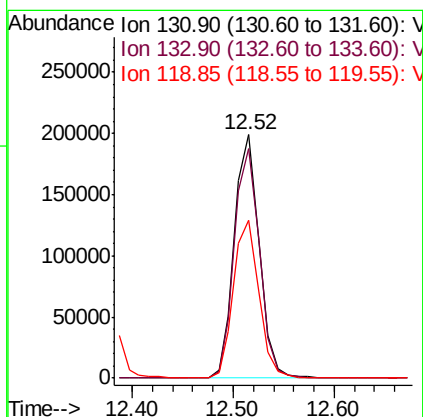
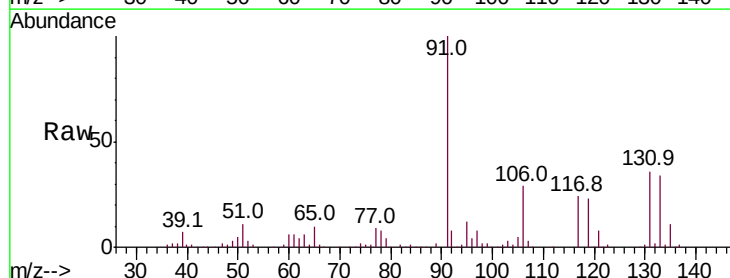
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

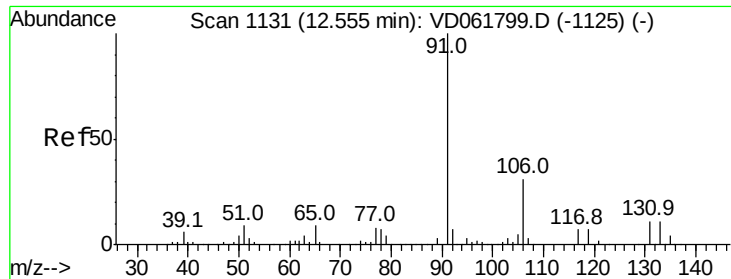
Tot Ion:112 Resp: 844534
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.658 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:131 Resp: 341746
Ion Ratio Lower Upper
131 100
133 94.4 48.6 145.8
119 64.9 34.7 104.1

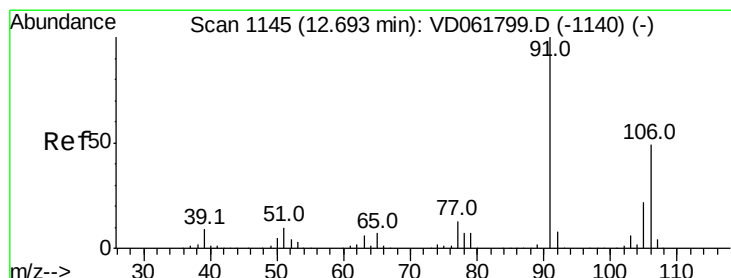
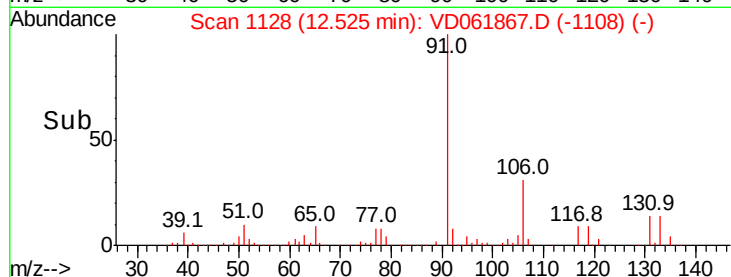
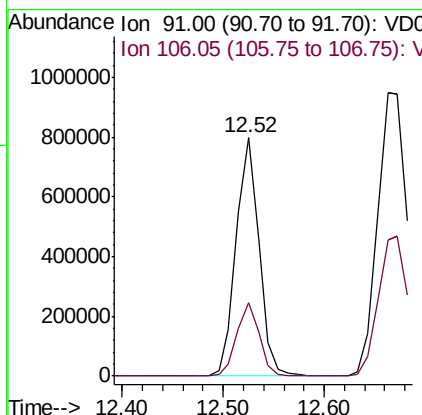
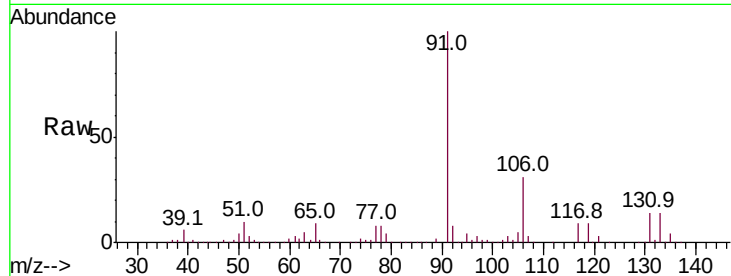




#67
Ethyl Benzene
Concen: 48.050 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

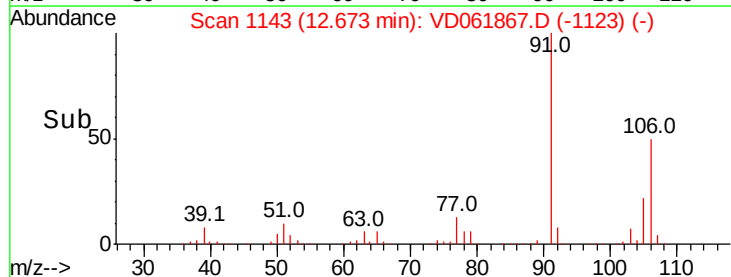
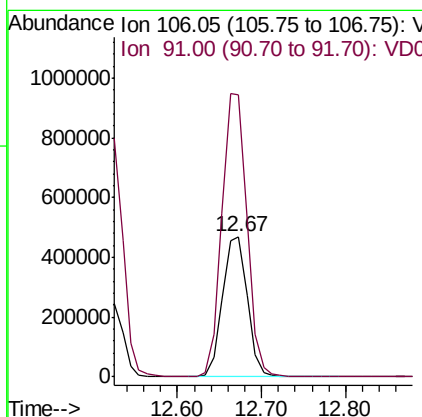
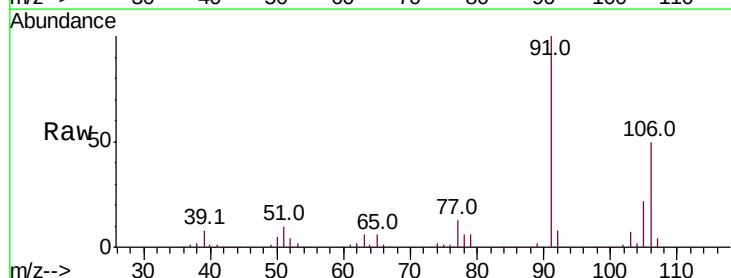
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

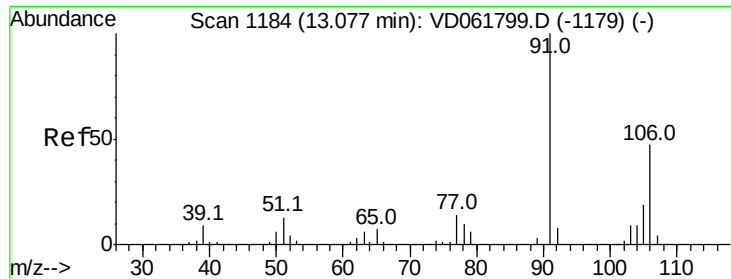
Tot Ion: 91 Resp: 1263653
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 97.407 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:106 Resp: 962249
Ion Ratio Lower Upper
106 100
91 200.3 164.0 246.0

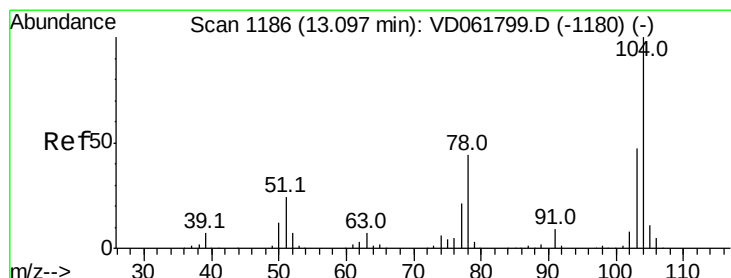
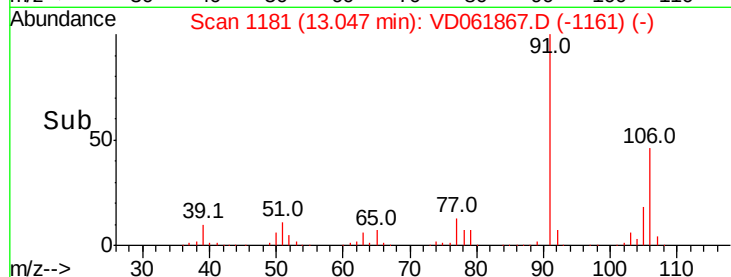
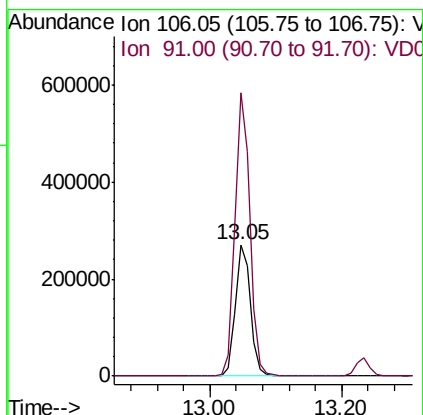
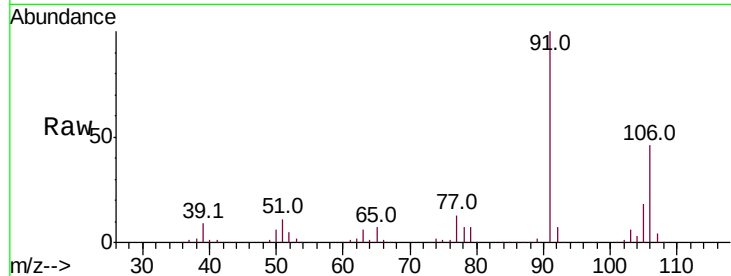




#69
o-Xylene
Concen: 46.944 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

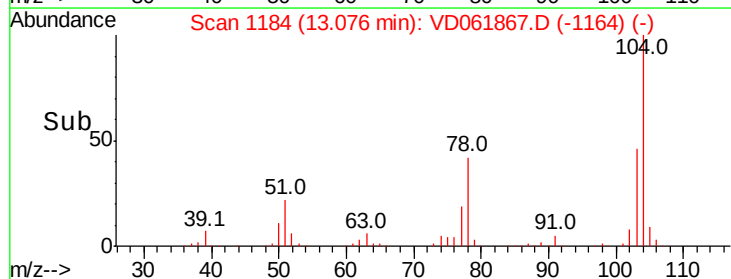
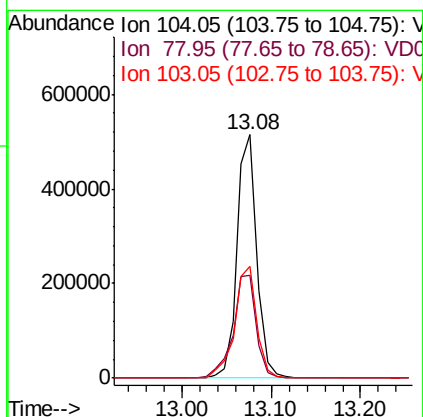
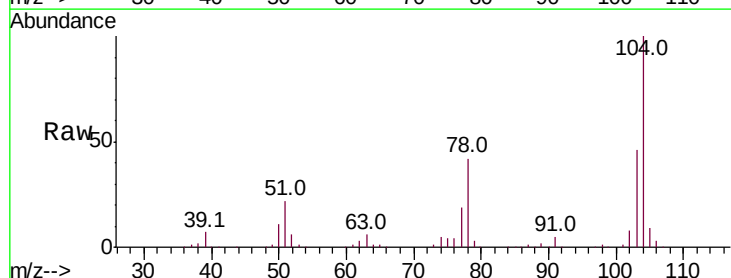
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

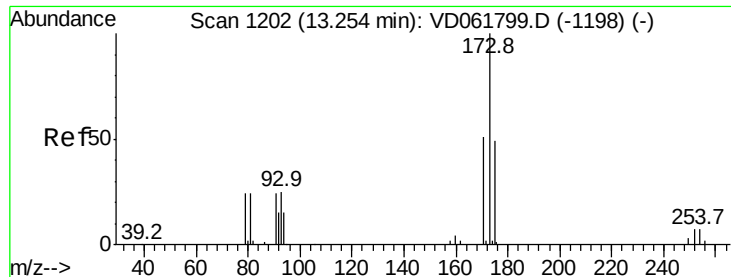
Tot Ion:106 Resp: 435885
Ion Ratio Lower Upper
106 100
91 215.2 106.7 319.9



#70
Styrene
Concen: 49.873 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:104 Resp: 796879
Ion Ratio Lower Upper
104 100
78 42.0 35.4 53.2
103 45.8 37.5 56.3





#71

Bromoform

Concen: 53.016 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

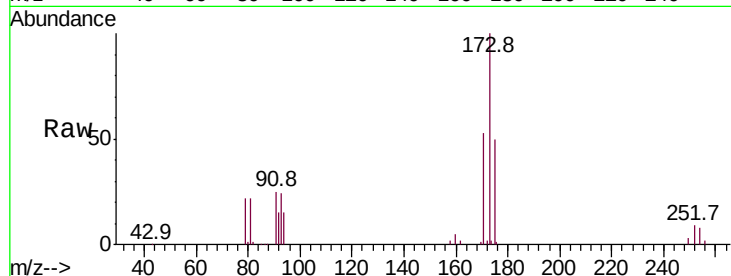
Tot Ion:173 Resp: 216570

Ion Ratio Lower Upper

173 100

175 49.7 24.4 73.4

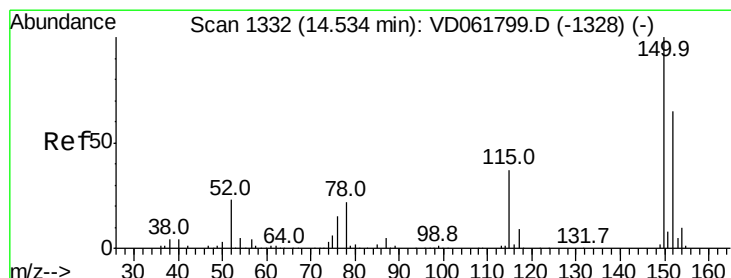
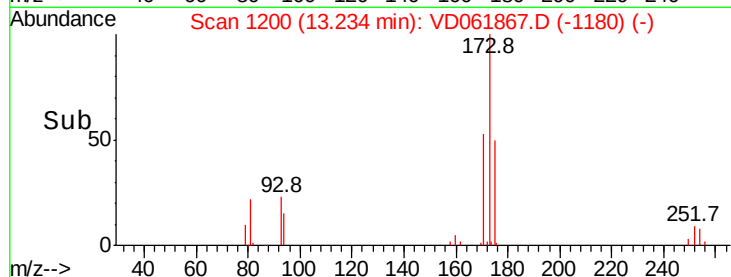
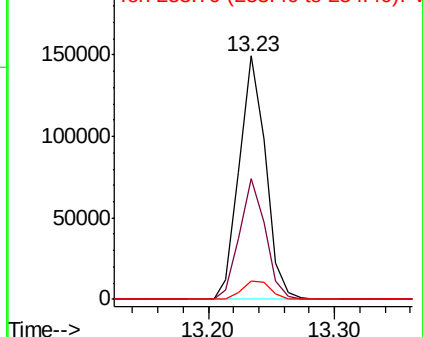
254 7.6 5.4 8.2



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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

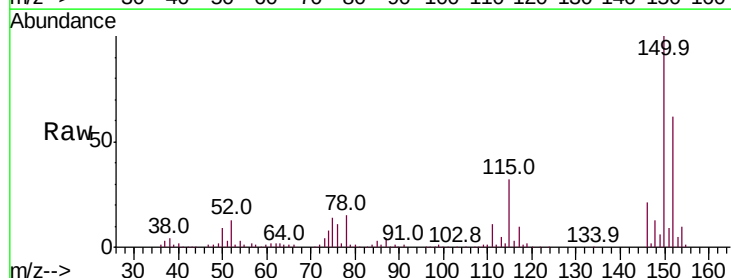
Tgt Ion:152 Resp: 380181

Ion Ratio Lower Upper

152 100

115 51.2 30.9 92.7

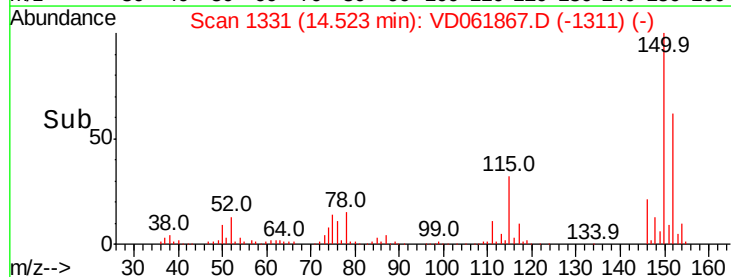
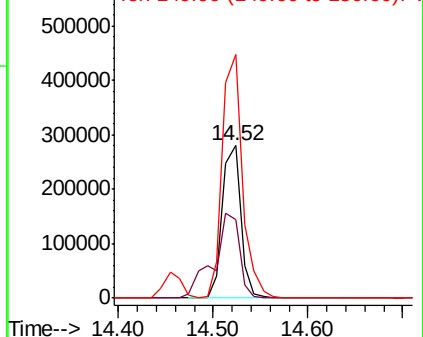
150 160.1 0.0 314.8

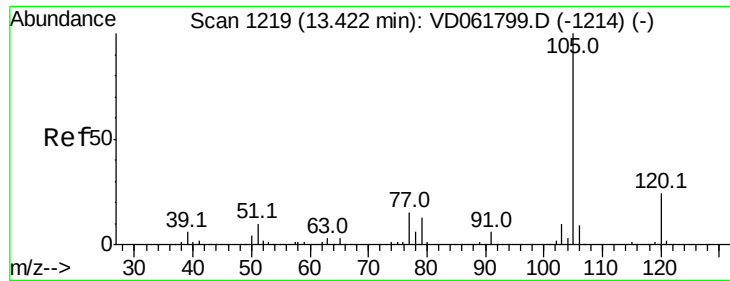


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.628 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

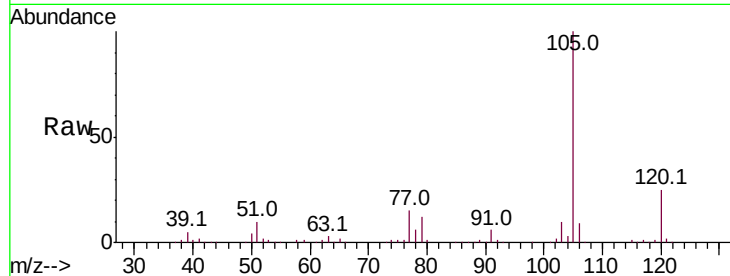
VSTDCCC050

Tot Ion:105 Resp: 1174323

Ion Ratio Lower Upper

105 100

120 24.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

800000

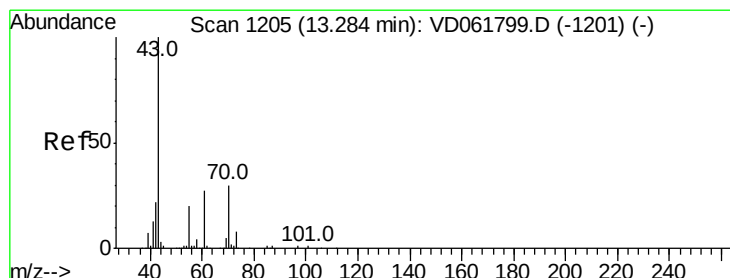
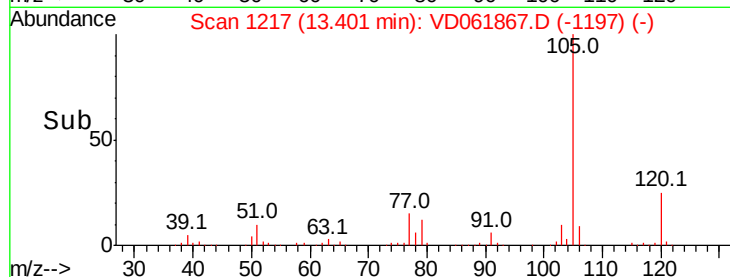
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 53.316 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Tgt Ion: 43 Resp: 353491

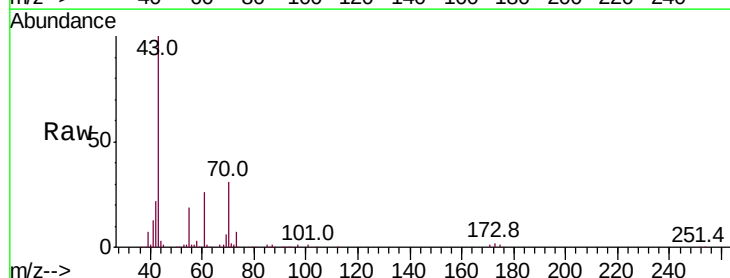
Ion Ratio Lower Upper

43 100

70 30.7 24.2 36.4

55 19.0 16.0 24.0

61 26.2 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

400000

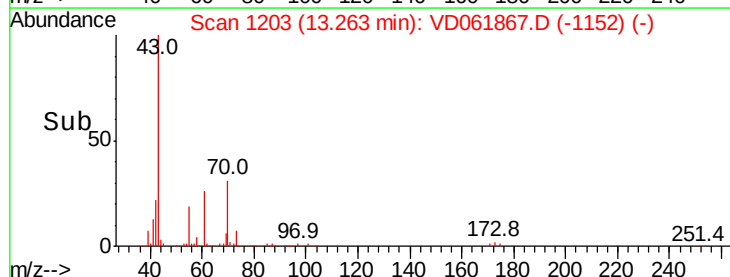
300000

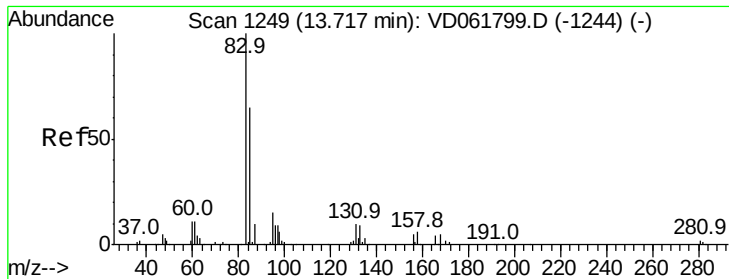
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 53.759 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

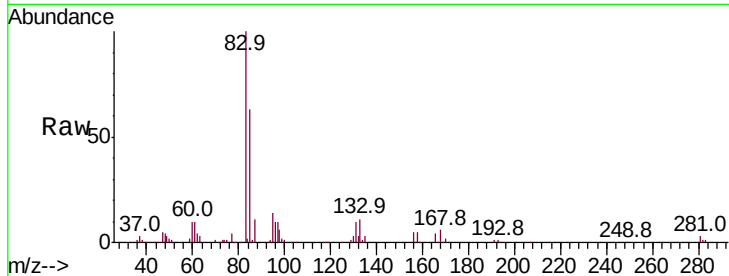
Tot Ion: 83 Resp: 262004

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

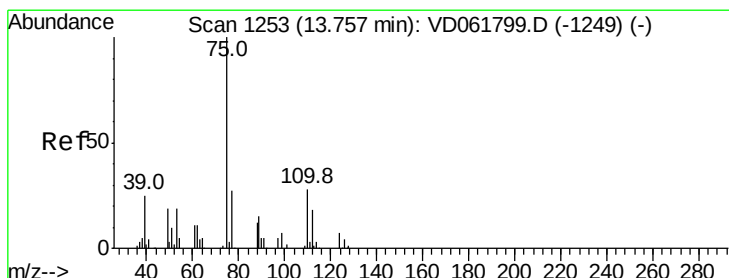
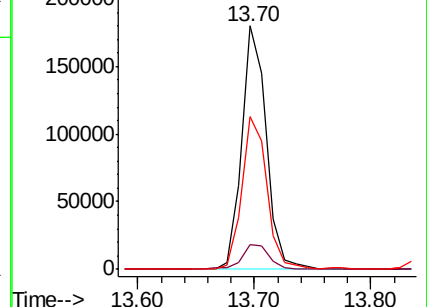
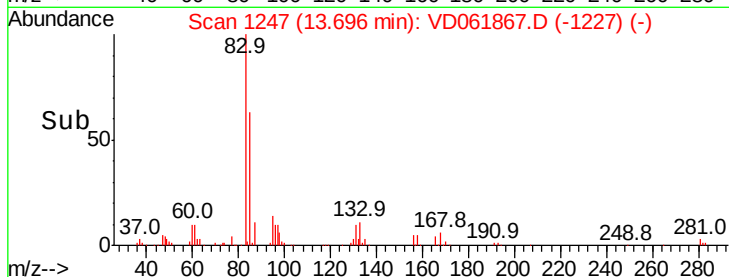
85 62.5 32.6 97.7



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: 52.562 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061867.D

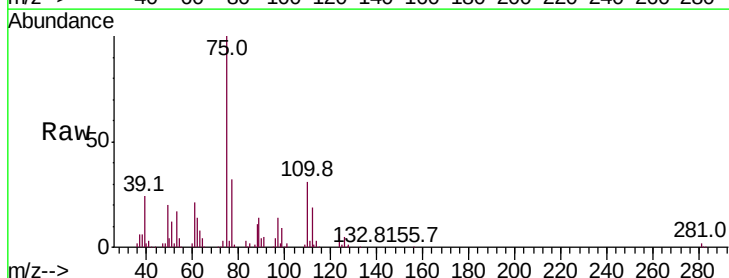
Acq: 18 Apr 2019 11:42

Tgt Ion: 75 Resp: 262433

Ion Ratio Lower Upper

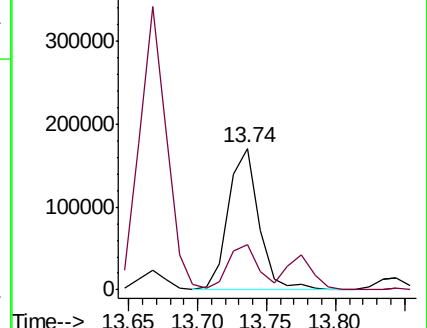
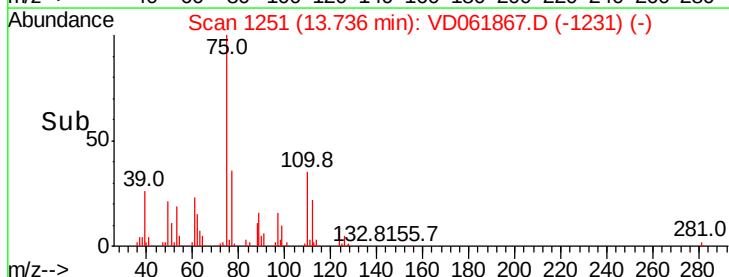
75 100

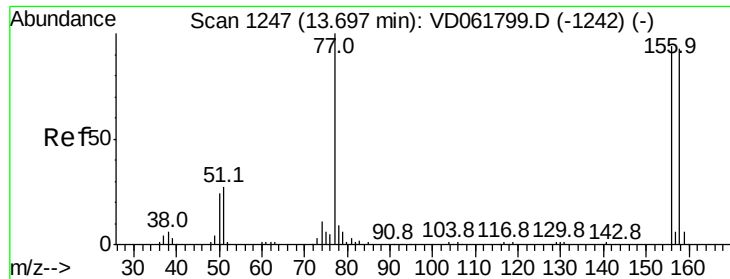
77 31.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.842 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061867.D

Acq: 18 Apr 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

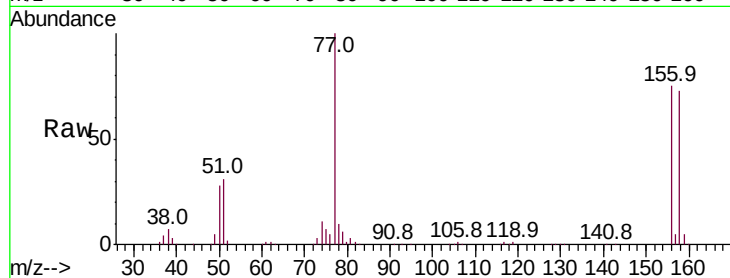
Tot Ion:156 Resp: 377099

Ion Ratio Lower Upper

156 100

77 132.9 53.1 159.4

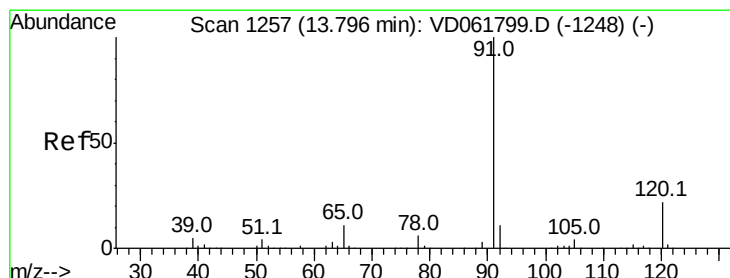
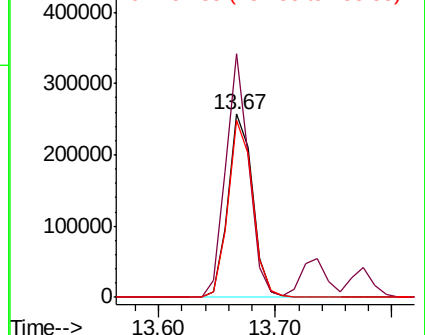
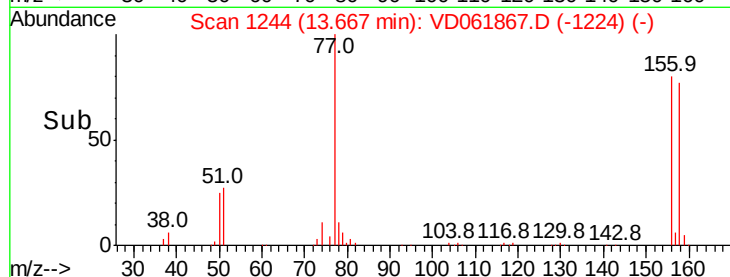
158 96.4 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.650 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061867.D

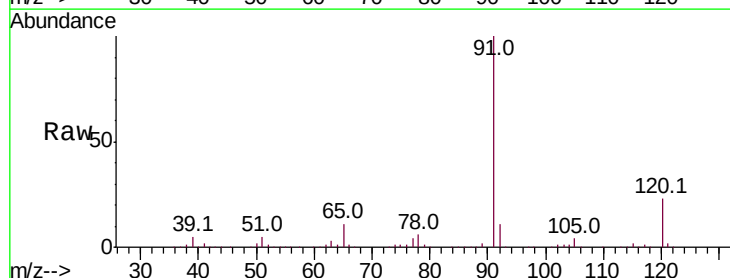
Acq: 18 Apr 2019 11:42

Tgt Ion: 91 Resp: 1499821

Ion Ratio Lower Upper

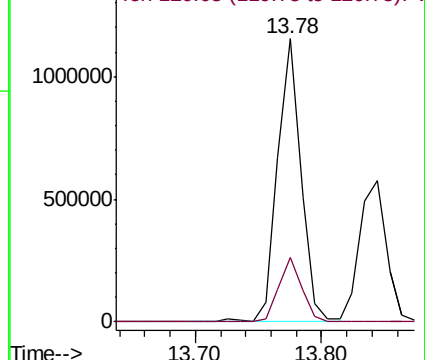
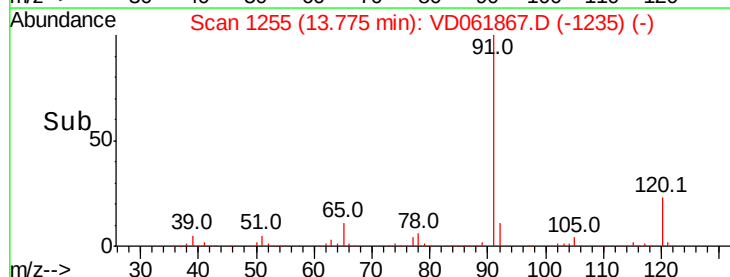
91 100

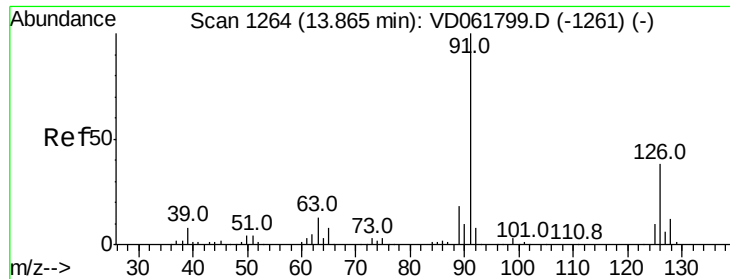
120 23.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

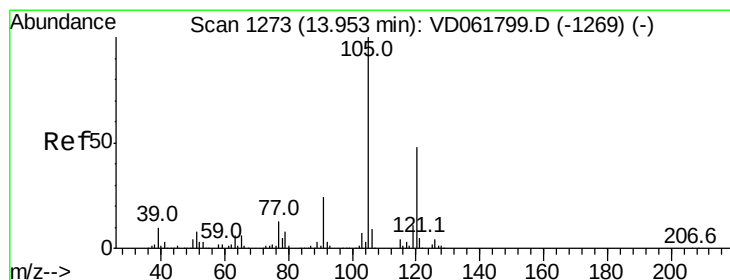
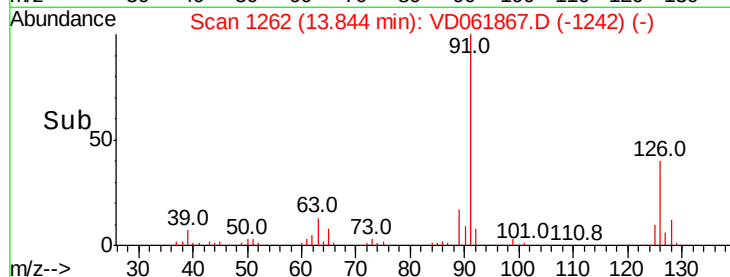
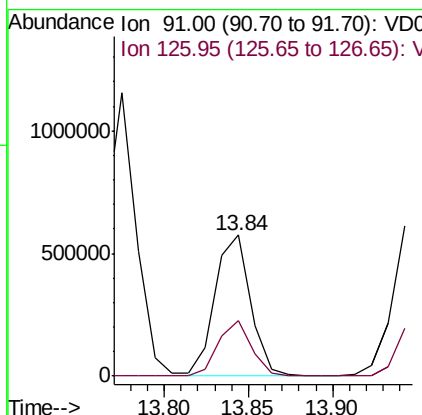
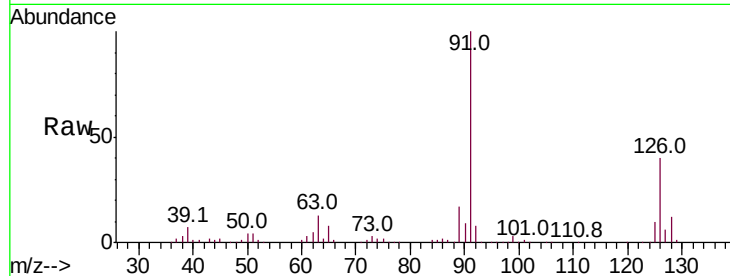




#79
 2-Chlorotoluene
 Concen: 50.497 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

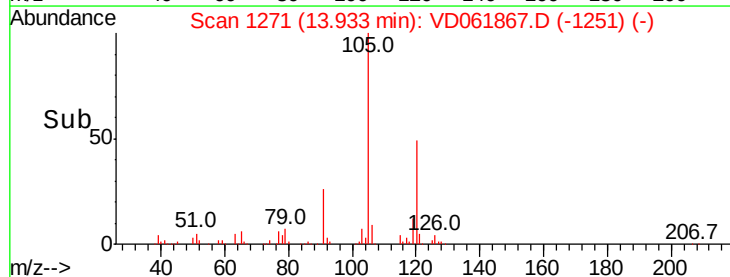
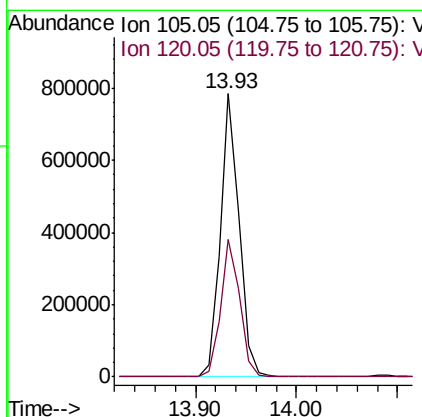
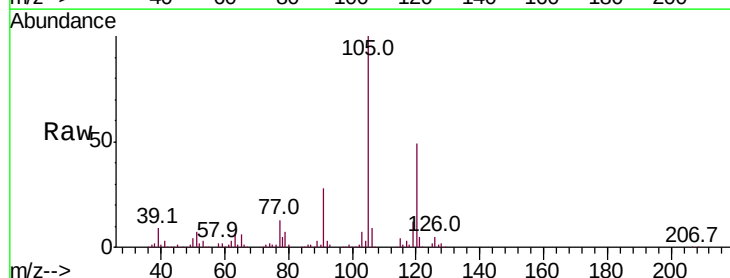
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

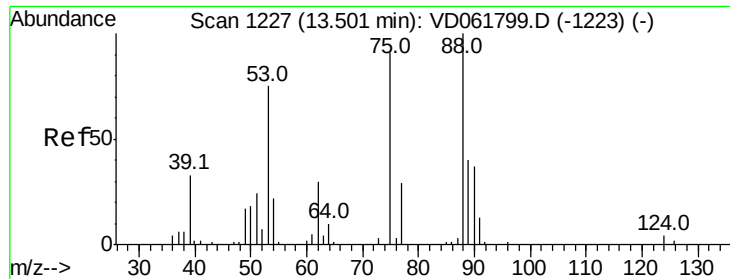
Tot Ion: 91 Resp: 840317
 Ion Ratio Lower Upper
 91 100
 126 39.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 52.027 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:105 Resp: 1017835
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.0 72.0

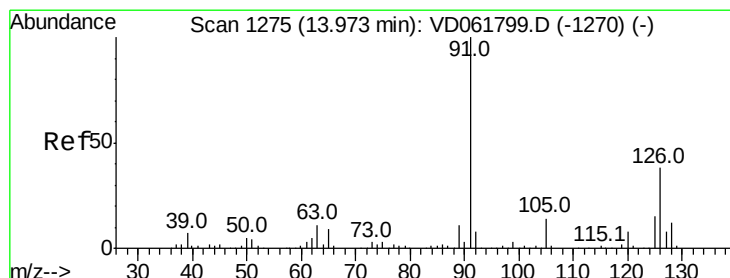
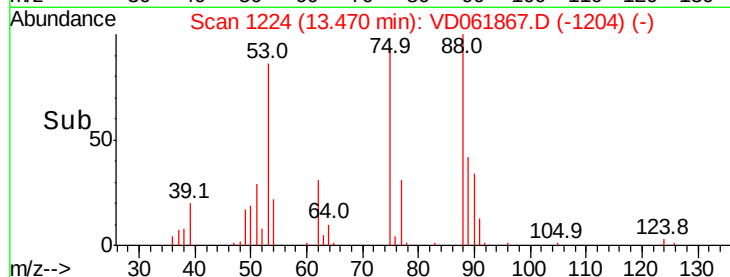
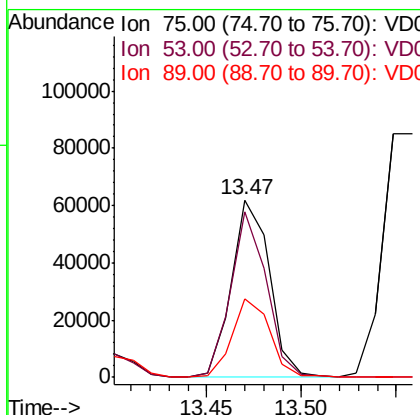
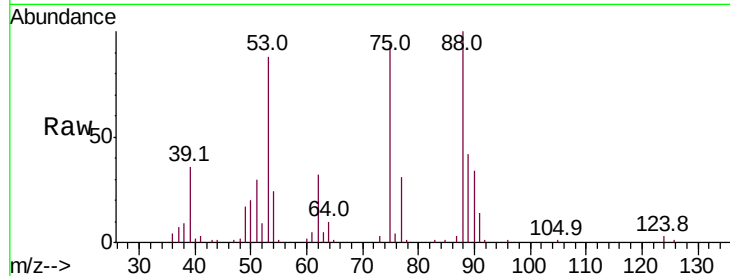




#81
trans-1,4-Dichloro-2-butene
Concen: 52.820 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

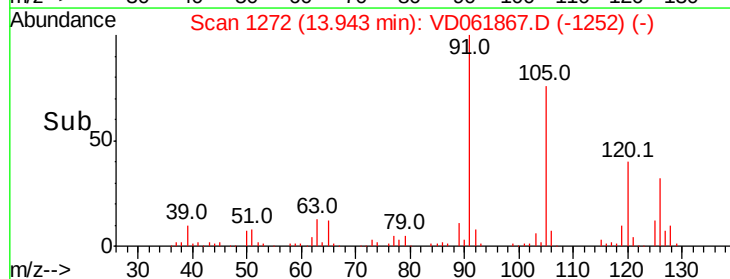
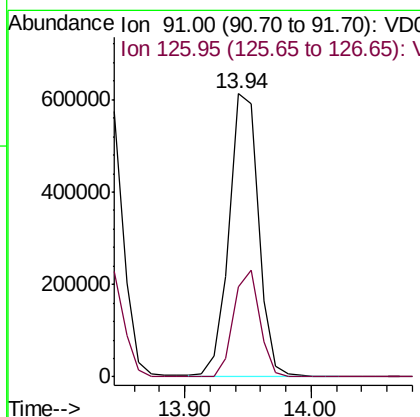
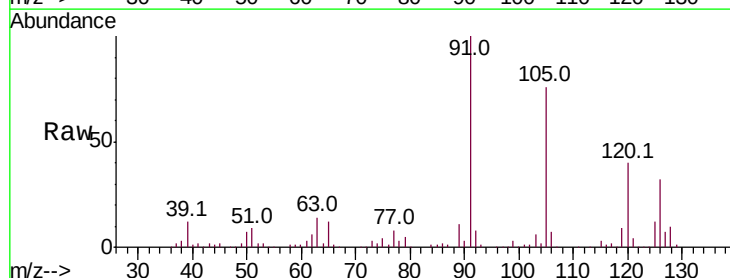
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

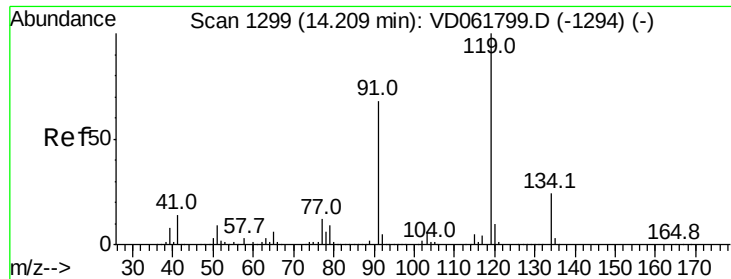
Tot Ion: 75 Resp: 85802
Ion Ratio Lower Upper
75 100
53 93.1 65.8 98.8
89 44.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 51.367 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion: 91 Resp: 978414
Ion Ratio Lower Upper
91 100
126 31.8 19.1 57.5

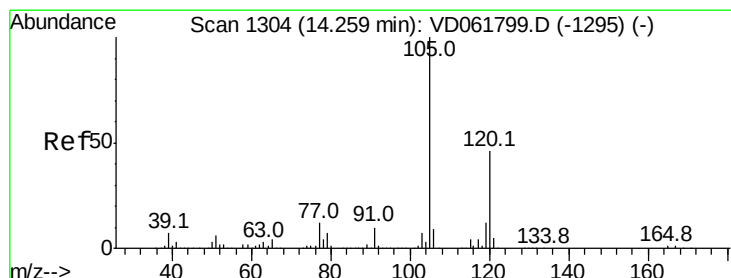
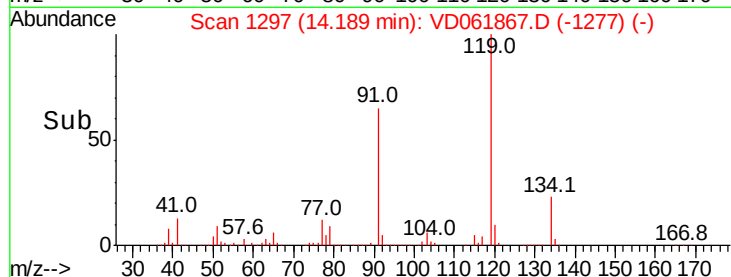
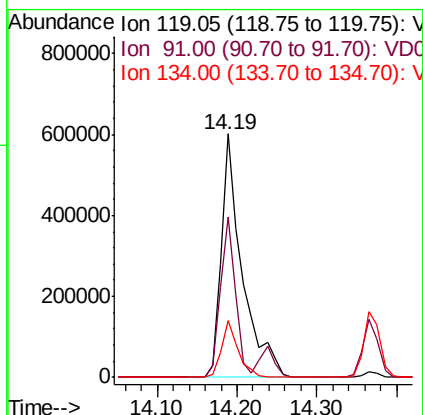
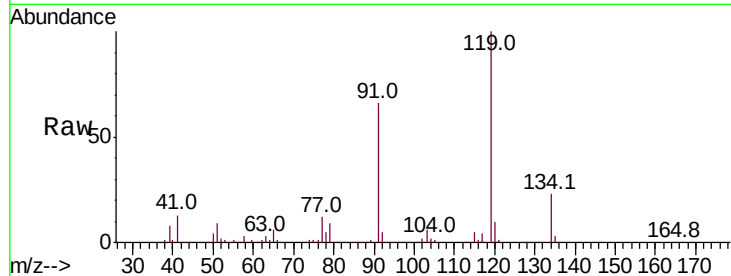




#83
 tert-Butylbenzene
 Concen: 48.329 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

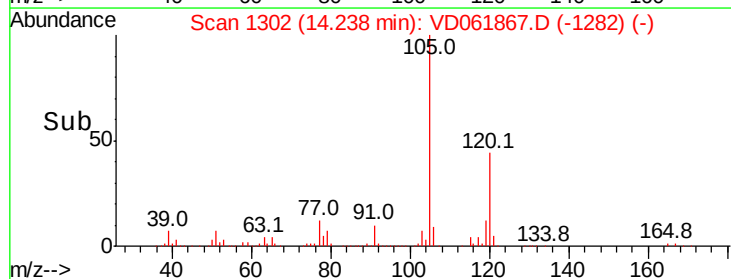
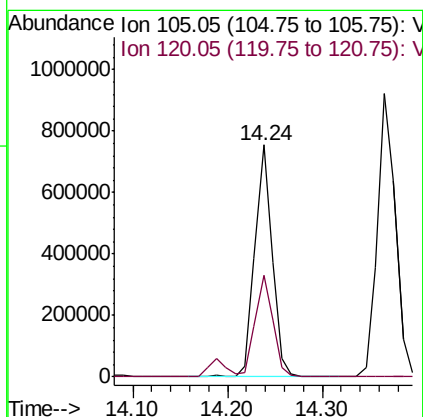
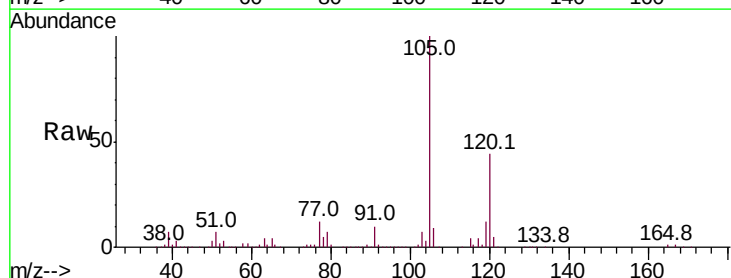
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

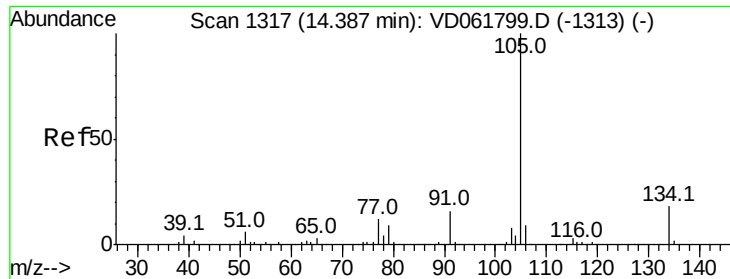
Tot Ion:119 Resp: 1110179
 Ion Ratio Lower Upper
 119 100
 91 65.8 34.2 102.6
 134 23.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.186 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:105 Resp: 967247
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.1 69.2

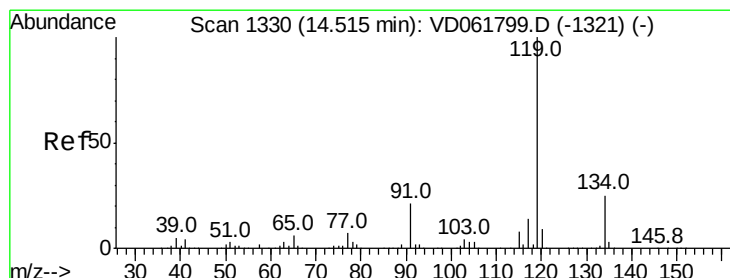
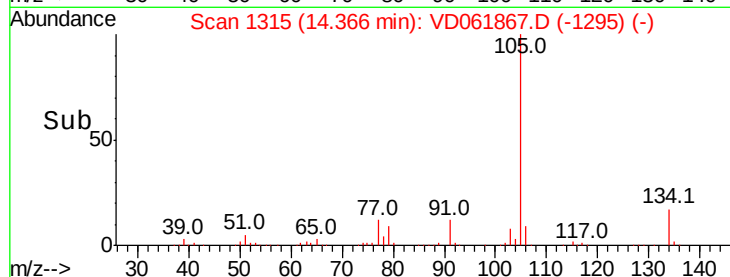
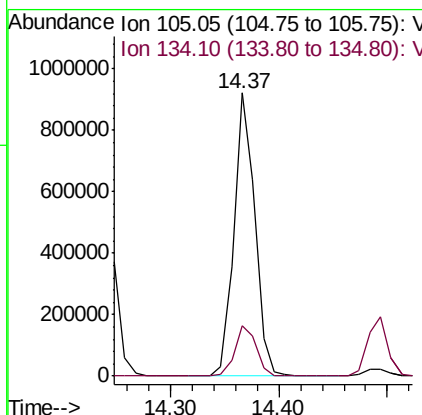
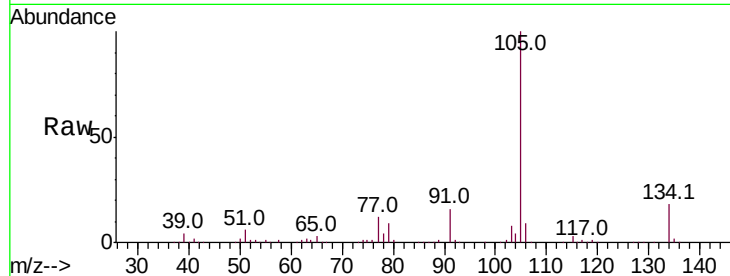




#85
 sec-Butylbenzene
 Concen: 51.955 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

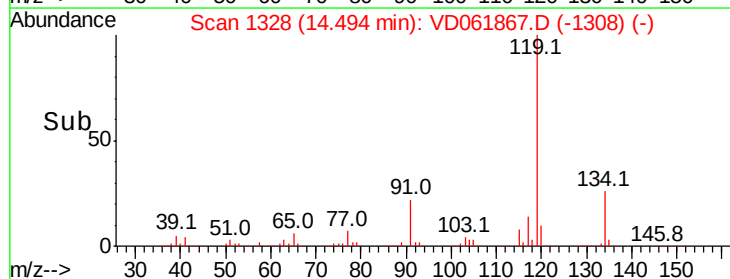
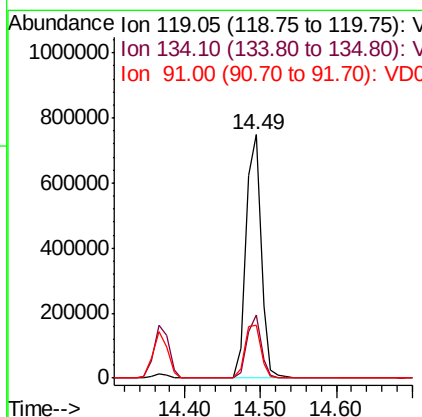
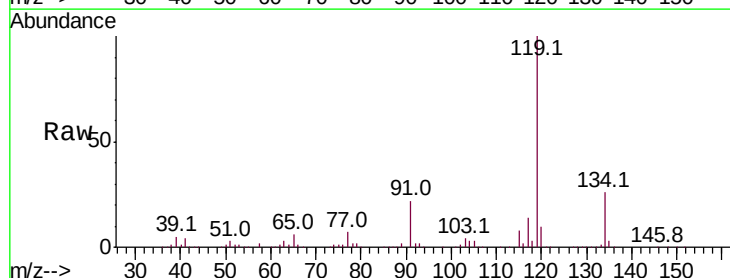
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

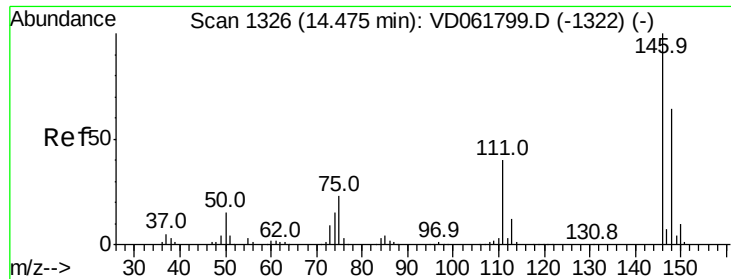
Tot Ion:105 Resp: 1233773
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 46.216 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:119 Resp: 1026857
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.3
 91 21.7 10.7 32.1

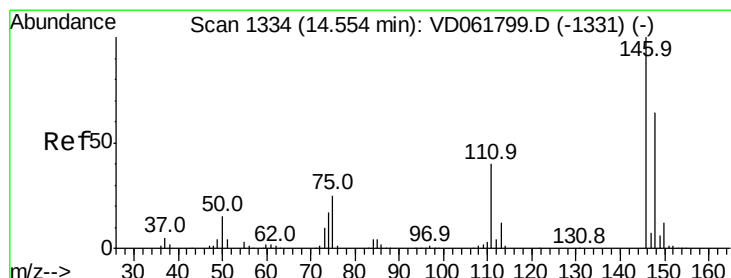
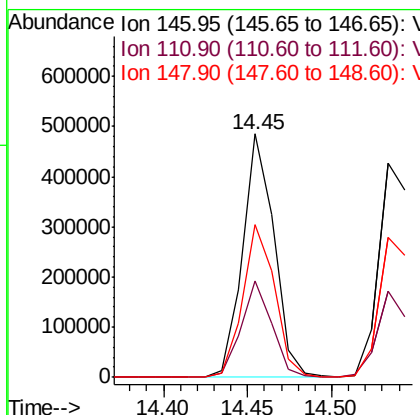
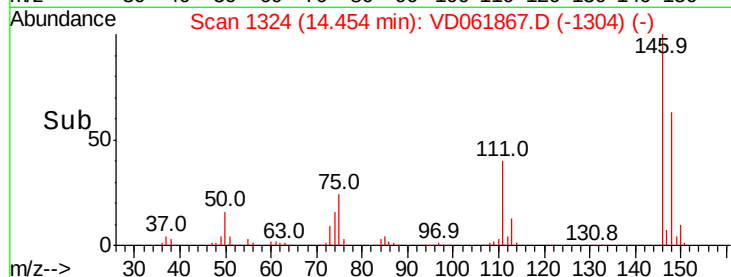
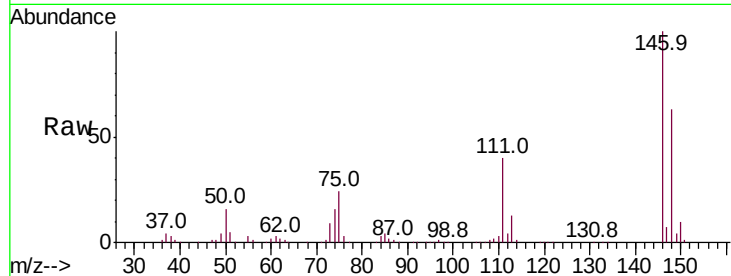




#87
 1,3-Dichlorobenzene
 Concen: 51.503 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

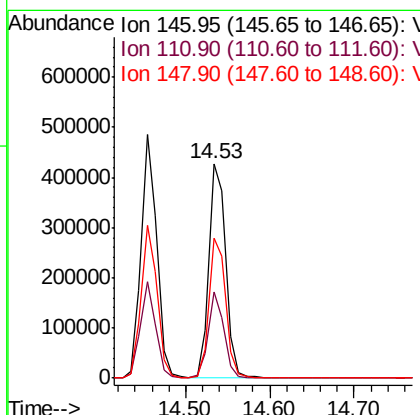
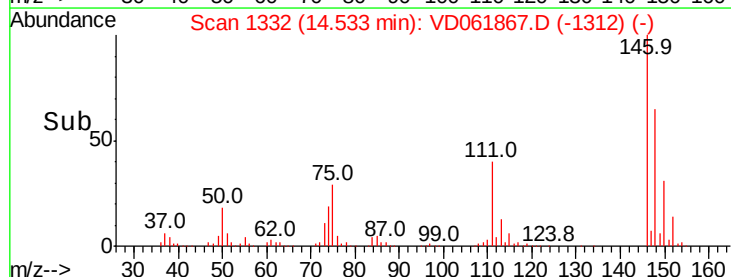
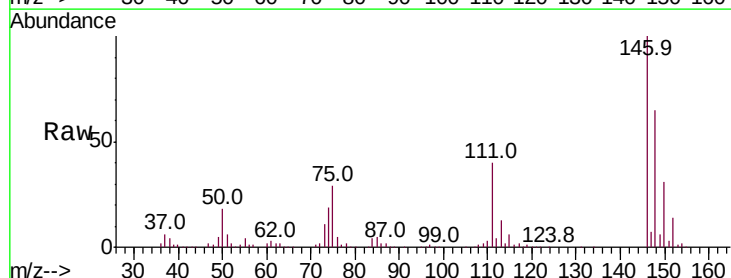
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

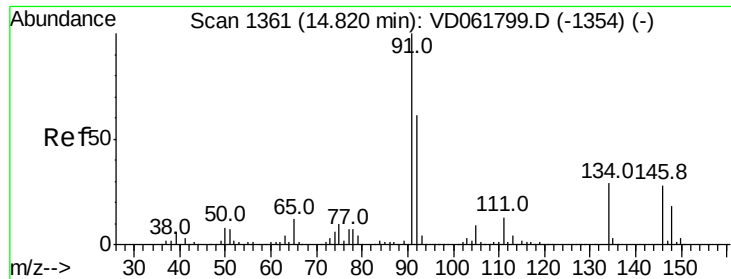
Tot Ion:146 Resp: 629726
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 62.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.914 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:146 Resp: 591201
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.2 60.5
 148 65.1 32.0 96.2

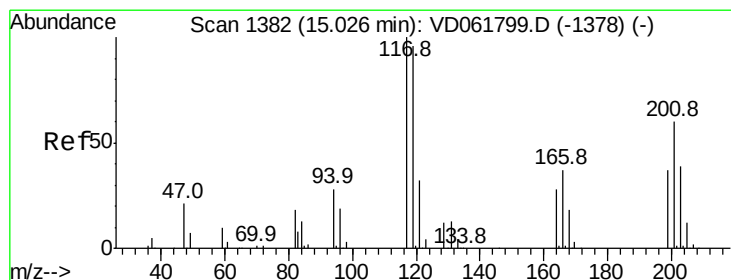
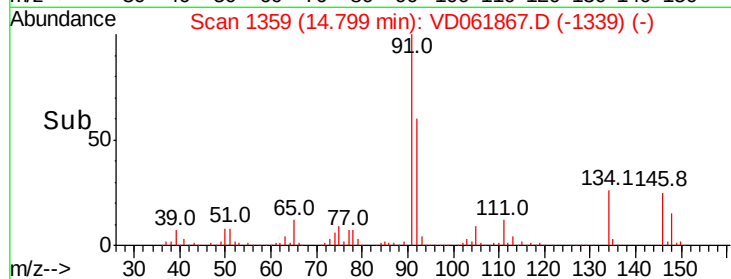
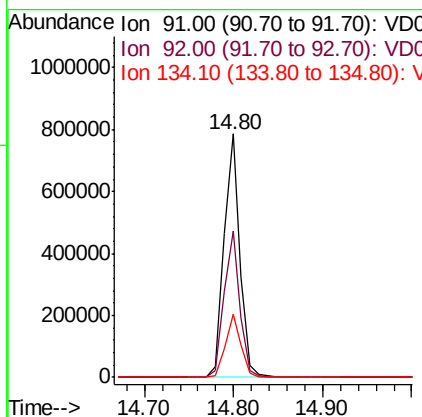
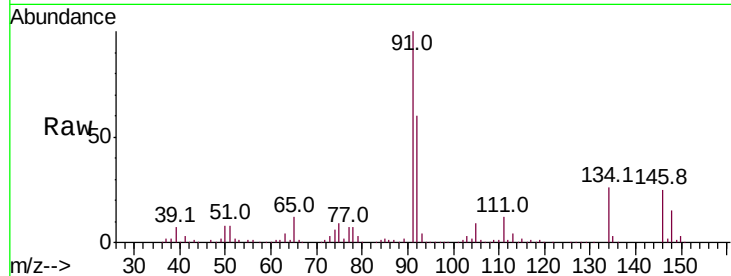




#89
 n-Butylbenzene
 Concen: 50.255 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

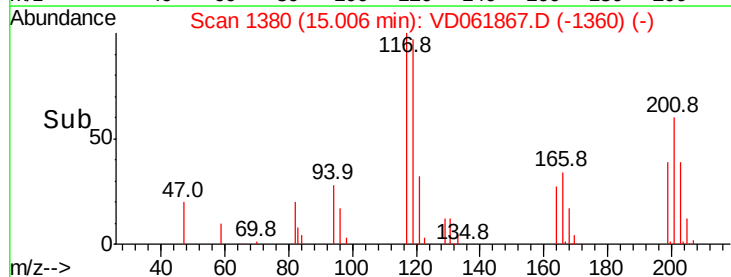
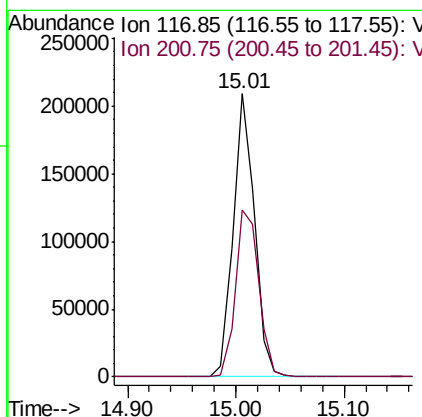
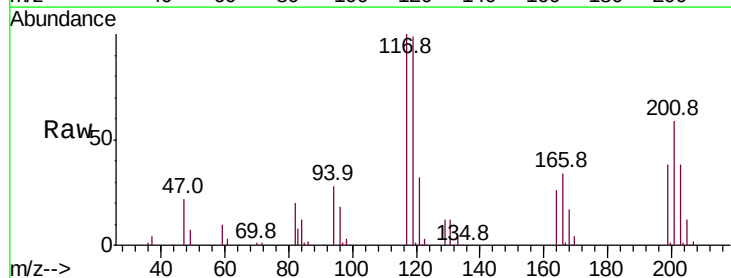
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

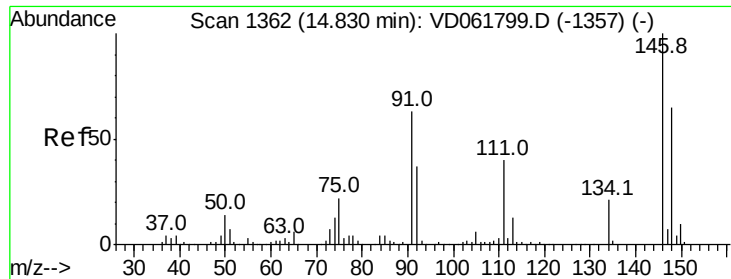
Tot Ion:	91	Resp:	988397
Ion	Ratio	Lower	Upper
91	100		
92	60.2	30.3	91.0
134	25.9	14.5	43.6



#90
 Hexachloroethane
 Concen: 47.374 ug/l
 RT: 15.01 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:	117	Resp:	286893
Ion	Ratio	Lower	Upper
117	100		
201	58.9	30.2	90.6

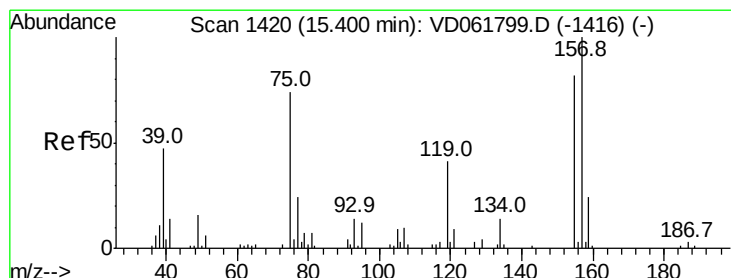
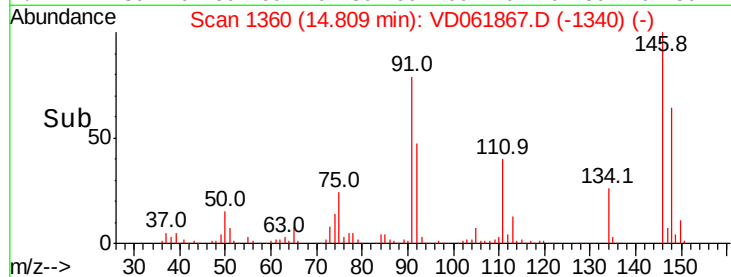
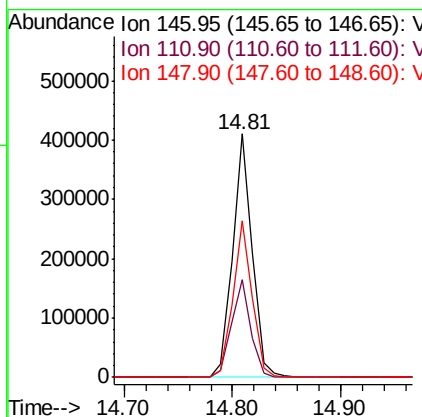
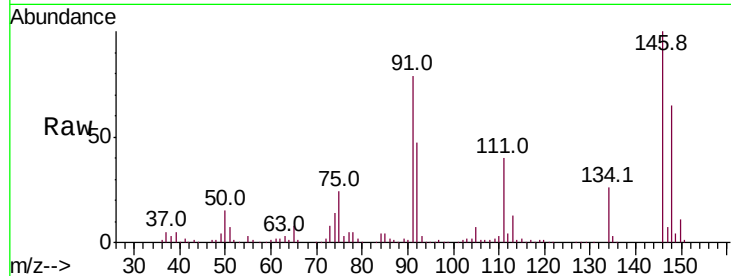




#91
 1,2-Dichlorobenzene
 Concen: 50.372 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

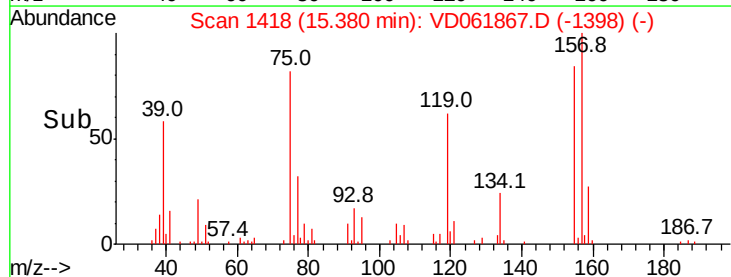
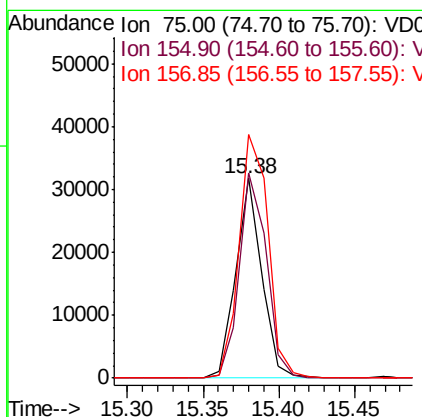
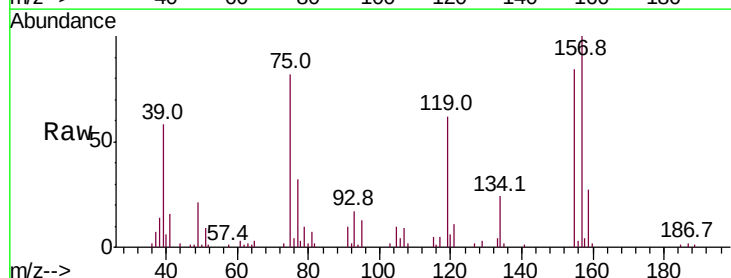
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

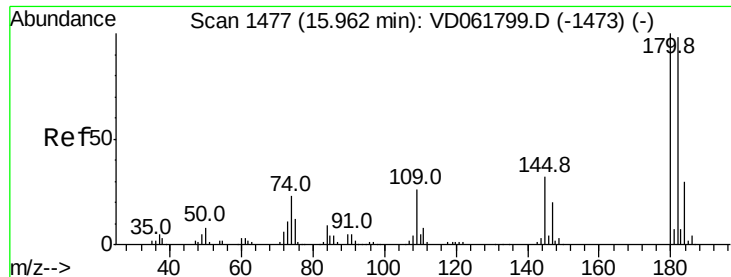
Tot Ion:146 Resp: 515899
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.657 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion: 75 Resp: 37505
 Ion Ratio Lower Upper
 75 100
 155 102.6 55.3 165.8
 157 121.7 67.8 203.2

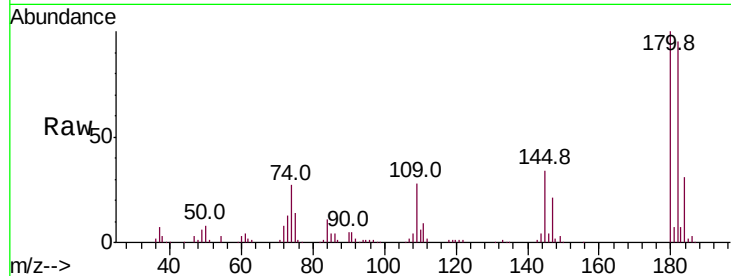




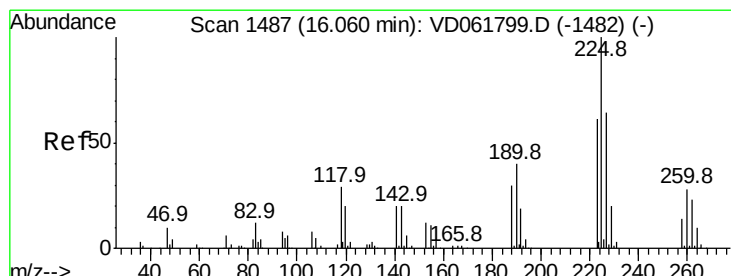
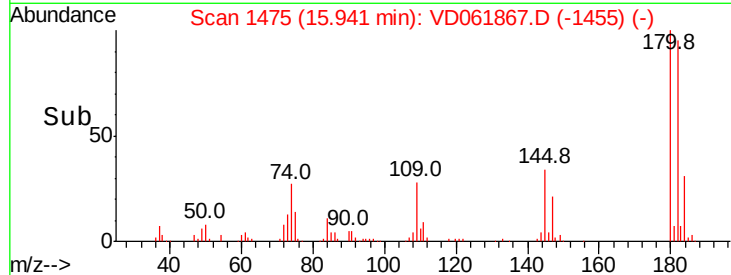
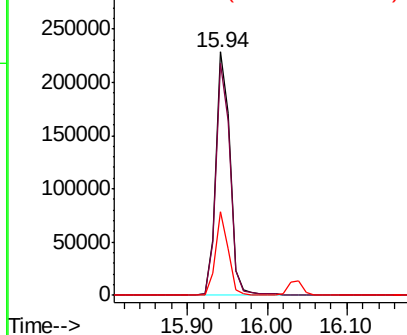
#93
 1,2,4-Trichlorobenzene
 Concen: 51.629 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 290421
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.3 147.8
 145 34.4 16.2 48.6

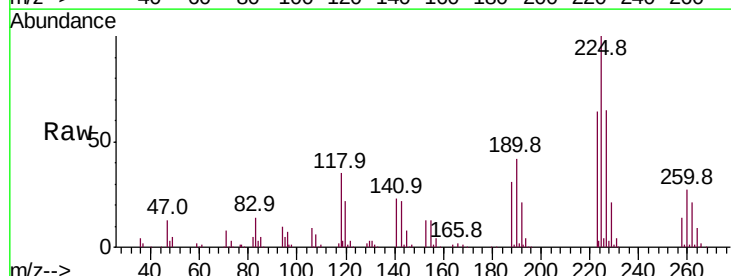


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

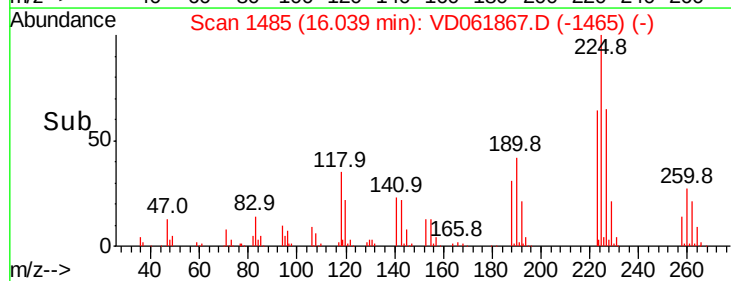
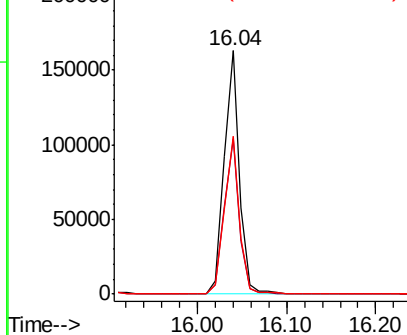


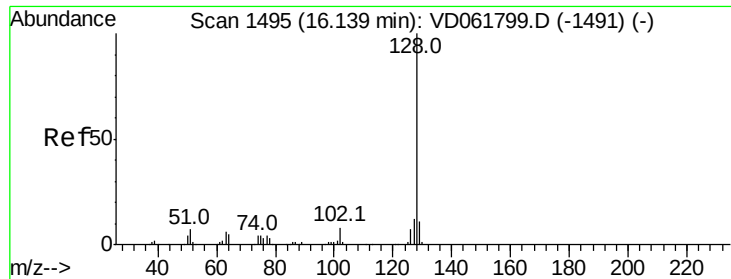
#94
 Hexachlorobutadiene
 Concen: 48.851 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061867.D
 Acq: 18 Apr 2019 11:42

Tgt Ion:225 Resp: 199142
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.6 92.0
 227 64.7 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

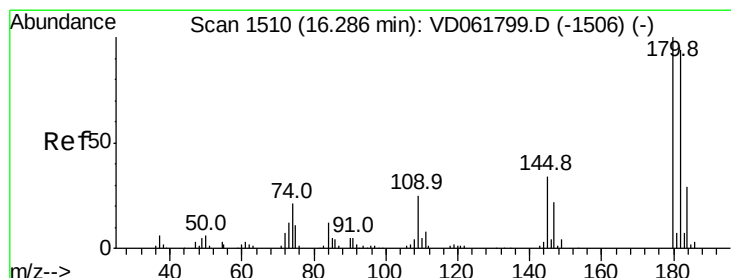
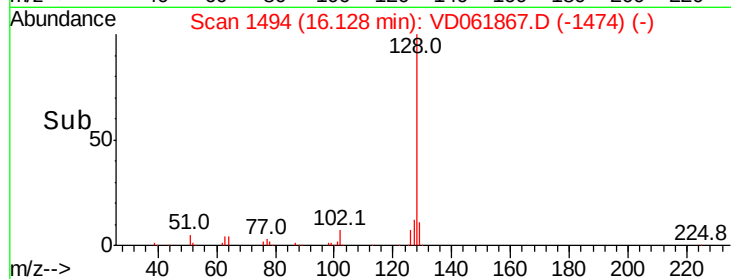
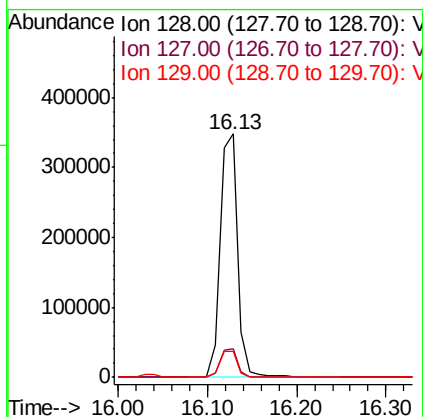
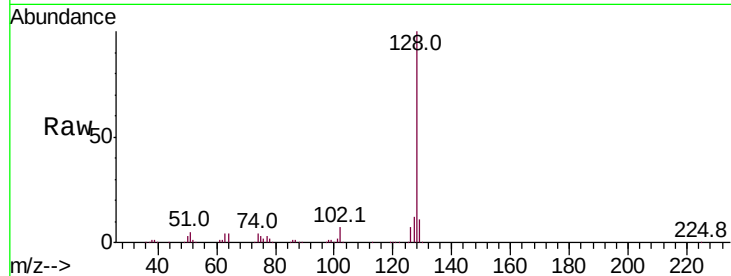




#95
Naphthalene
Concen: 55.531 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 478789
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.438 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061867.D
Acq: 18 Apr 2019 11:42

Tgt Ion:180 Resp: 161683
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.0
145 35.4 17.0 51.0

