

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061252.D
 Acq On : 22 Mar 2019 10:49
 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: Mar 22 23:24:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	677030	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.27	114	1182307	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.41	117	916061	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	14.54	152	413743	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	264291	46.90	ug/l	0.07
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	6.98	113	427445	48.72	ug/l	0.06
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	10.46	98	1062190	48.21	ug/l	0.06
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	13.59	95	391704	45.82	ug/l	0.04
Spiked Amount			Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	282799	42.169	ug/l	100
3) Chloromethane	1.78	50	231971	41.522	ug/l	98
4) Vinyl Chloride	1.88	62	219440	42.509	ug/l	97
5) Bromomethane	2.19	94	43297	46.631	ug/l	92
6) Chloroethane	2.30	64	80902	52.358	ug/l	90
7) Trichlorofluoromethane	2.57	101	336369	45.358	ug/l	95
8) Diethyl Ether	2.92	74	131842	53.892	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.20	101	411952	49.687	ug/l	96
10) Methyl Iodide	3.36	142	572186	50.107	ug/l	100
11) Tert butyl alcohol	4.12	59	95944	267.427	ug/l	96
12) 1,1-Dichloroethene	3.18	96	335691	49.395	ug/l	90
13) Acrolein	3.08	56	117061	225.507	ug/l	93
14) Allyl chloride	3.67	41	475581	43.737	ug/l	94
15) Acrylonitrile	4.26	53	322894	254.649	ug/l	97
16) Acetone	3.26	43	463962	287.903	ug/l	99
17) Carbon Disulfide	3.43	76	973618	42.470	ug/l	100
18) Methyl Acetate	3.69	43	184610	58.210	ug/l #	90
19) Methyl tert-butyl Ether	4.30	73	619224	51.991	ug/l	96
20) Methylene Chloride	3.87	84	354273	48.031	ug/l	92
21) trans-1,2-Dichloroethene	4.29	96	347594	47.255	ug/l	94
22) Diisopropyl ether	5.19	45	1034287	45.821	ug/l	99
23) Vinyl Acetate	5.12	43	2785640	240.401	ug/l	97
24) 1,1-Dichloroethane	5.05	63	574706	46.469	ug/l	97
25) 2-Butanone	6.13	43	485429	265.460	ug/l	98
26) 2,2-Dichloropropane	6.09	77	520454	53.907	ug/l	99
27) cis-1,2-Dichloroethene	6.11	96	406029	52.026	ug/l	95
28) Bromochloromethane	6.50	49	250288	47.804	ug/l	93
29) Tetrahydrofuran	6.52	42	243122	244.849	ug/l	95
30) Chloroform	6.73	83	642938	50.160	ug/l	100
31) Cyclohexane	7.02	56	465634	46.693	ug/l	95
32) 1,1,1-Trichloroethane	6.93	97	557303	50.291	ug/l	98
36) 1,1-Dichloropropene	7.21	75	484194	47.510	ug/l	99
37) Ethyl Acetate	6.24	43	214977	44.952	ug/l	99
38) Carbon Tetrachloride	7.18	117	597536	53.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	460692	43.595	ug/l	96
40) Benzene	7.51	78	1099638	43.181	ug/l	99
41) Methacrylonitrile	6.50	41	257722	46.851	ug/l #	91
42) 1,2-Dichloroethane	7.63	62	360309	48.756	ug/l	100
43) Isopropyl Acetate	9.29	43	319829	48.285	ug/l #	98
44) Trichloroethene	8.60	130	442061	50.317	ug/l	96
45) 1,2-Dichloropropane	8.99	63	295939	44.234	ug/l	98
46) Dibromomethane	9.12	93	202245	47.656	ug/l	98
47) Bromodichloromethane	9.43	83	481770	50.307	ug/l	98
48) Methyl methacrylate	9.17	41	178474	47.855	ug/l	95
49) 1,4-Dioxane	9.13	88	39625	1050.739	ug/l	94
51) 4-Methyl-2-Pentanone	10.35	43	943399	232.482	ug/l	97
52) Toluene	10.56	92	712684	45.006	ug/l	98
53) t-1,3-Dichloropropene	10.96	75	426812	48.740	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	540659	51.386	ug/l	96
55) 1,1,2-Trichloroethane	11.24	97	262797	49.833	ug/l	98
56) Ethyl methacrylate	11.09	69	279152	50.572	ug/l	98
57) 1,3-Dichloropropane	11.45	76	375069	47.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.91	63	631890	216.268	ug/l	99
59) 2-Hexanone	11.57	43	743852	250.594	ug/l	98
60) Dibromochloromethane	11.73	129	379734	48.928	ug/l	97
61) 1,2-Dibromoethane	11.85	107	298064	48.587	ug/l	95
64) Tetrachloroethene	11.30	164	312368	50.514	ug/l	97
65) Chlorobenzene	12.44	112	899631	50.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	349579	54.610	ug/l	99
67) Ethyl Benzene	12.55	91	1355661	50.705	ug/l	99
68) m/p-Xylenes	12.70	106	988567	94.206	ug/l	98
69) o-Xylene	13.08	106	513589	49.791	ug/l	94
70) Styrene	13.11	104	812375	48.231	ug/l	100
71) Bromoform	13.26	173	223825	54.200	ug/l	99
73) Isopropylbenzene	13.43	105	1328229	44.545	ug/l	100
74) N-amyl acetate	13.29	43	382154	45.517	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.73	83	278726	47.911	ug/l	98
76) 1,2,3-Trichloropropane	13.76	75	288802	48.518	ug/l	99
77) Bromobenzene	13.70	156	384553	50.522	ug/l	89
78) n-propylbenzene	13.80	91	1609353	46.104	ug/l	96
79) 2-Chlorotoluene	13.87	91	839107	43.663	ug/l	95
80) 1,3,5-Trimethylbenzene	14.27	105	1040076	45.947	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.50	75	88810	50.607	ug/l	96
82) 4-Chlorotoluene	13.97	91	1054014	46.393	ug/l	97
83) tert-Butylbenzene	14.22	119	1237253	49.944	ug/l	96
84) 1,2,4-Trimethylbenzene	14.27	105	1040076	45.947	ug/l	98
85) sec-Butylbenzene	14.40	105	1347526	44.557	ug/l	99
86) p-Isopropyltoluene	14.51	119	1280840	51.813	ug/l	100
87) 1,3-Dichlorobenzene	14.48	146	698410	51.386	ug/l	99
88) 1,4-Dichlorobenzene	14.56	146	665578	49.833	ug/l	100
89) n-Butylbenzene	14.82	91	1079024	45.452	ug/l	99
90) Hexachloroethane	15.04	117	365492	52.360	ug/l	91
91) 1,2-Dichlorobenzene	14.84	146	568825	50.202	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.41	75	36939	52.691	ug/l	94

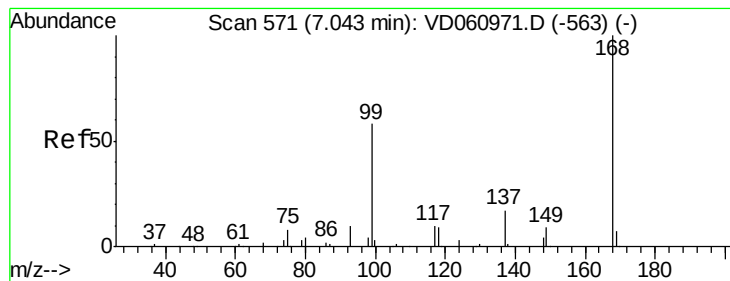
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	267295	50.852	ug/l	99
94) Hexachlorobutadiene	16.06	225	205061	51.577	ug/l	99
95) Naphthalene	16.15	128	412365	51.626	ug/l	100
96) 1,2,3-Trichlorobenzene	16.30	180	118176	45.520	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

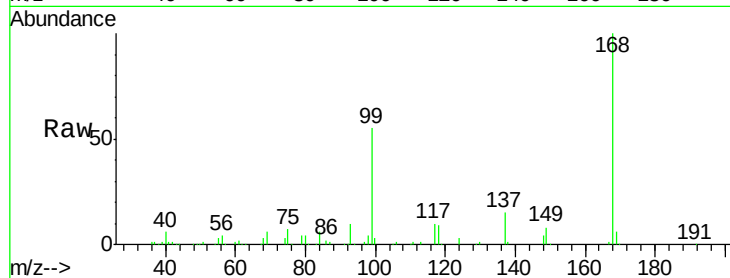
VSTDCCC050

Tot Ion:168 Resp: 677030

Ion Ratio Lower Upper

168 100

99 54.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

250000

200000

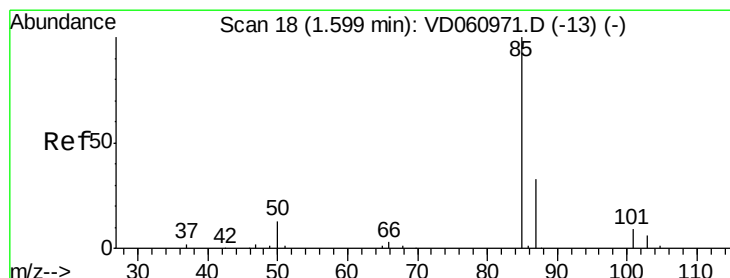
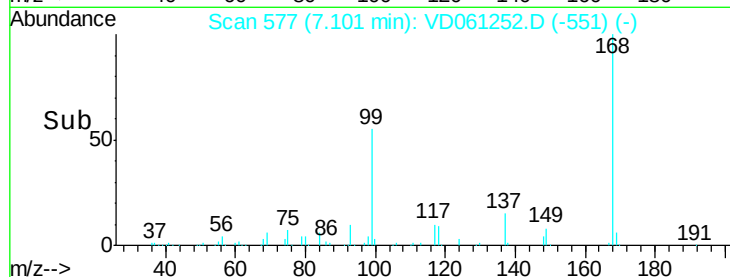
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.169 ug/l

RT: 1.61 min Scan# 19

Delta R.T. 0.01 min

Lab File: VD061252.D

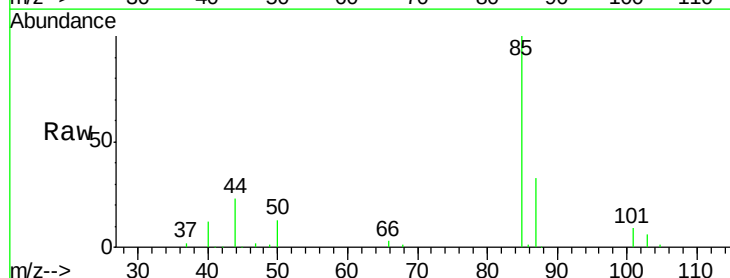
Acq: 22 Mar 2019 10:49

Tgt Ion: 85 Resp: 282799

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

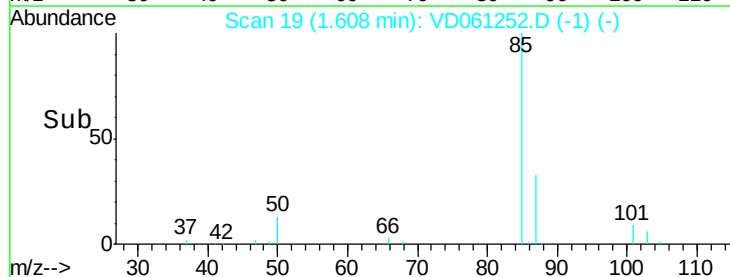
1.61

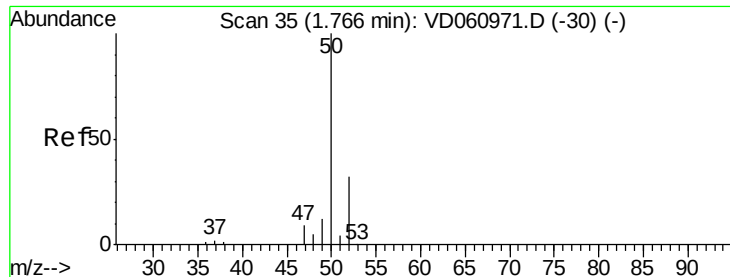
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.522 ug/l

RT: 1.78 min Scan# 37

Delta R.T. 0.02 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

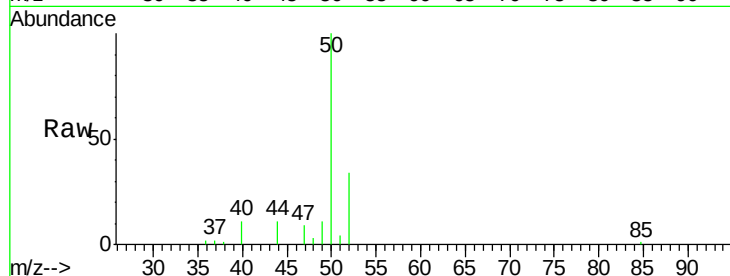
VSTDCCC050

Tot Ion: 50 Resp: 231971

Ion Ratio Lower Upper

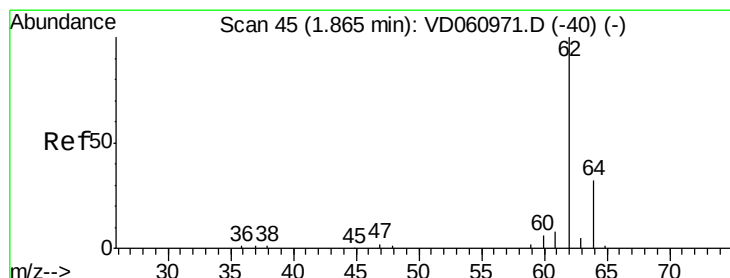
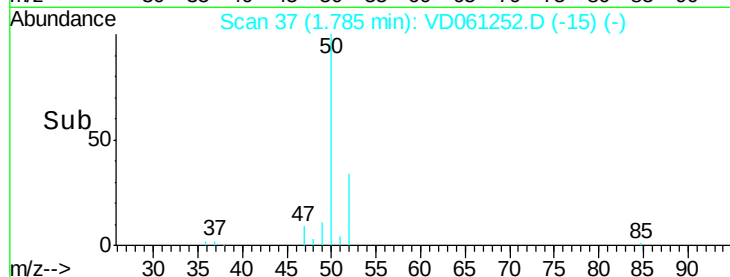
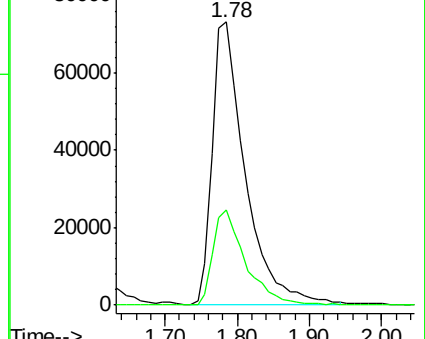
50 100

52 33.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.509 ug/l

RT: 1.88 min Scan# 47

Delta R.T. 0.02 min

Lab File: VD061252.D

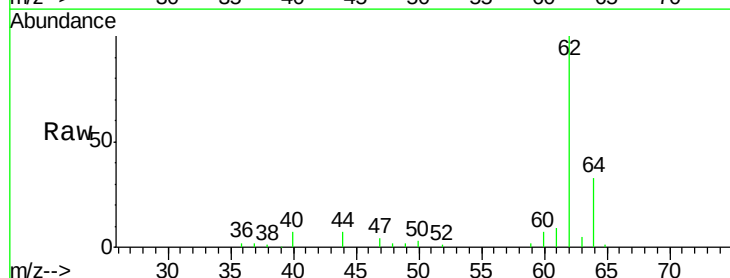
Acq: 22 Mar 2019 10:49

Tgt Ion: 62 Resp: 219440

Ion Ratio Lower Upper

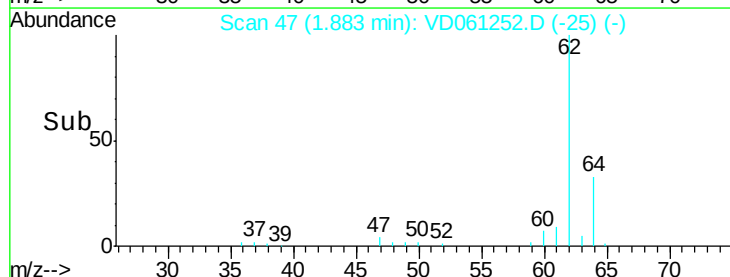
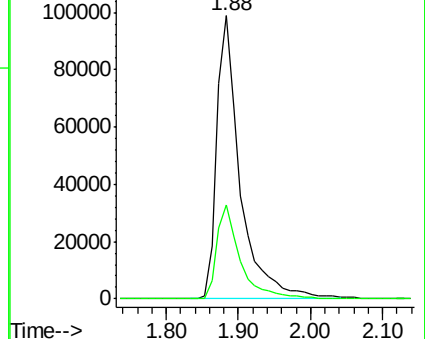
62 100

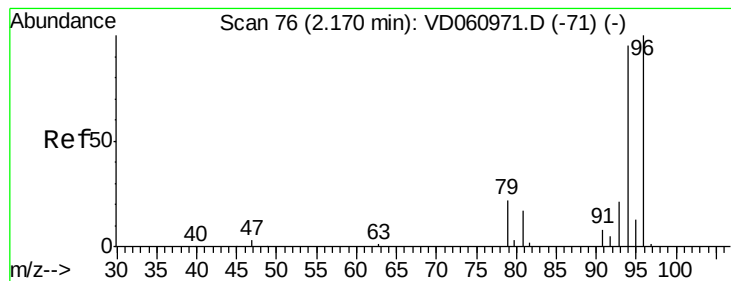
64 33.3 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.631 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

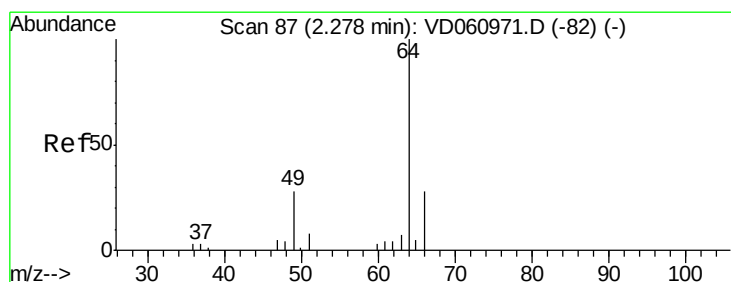
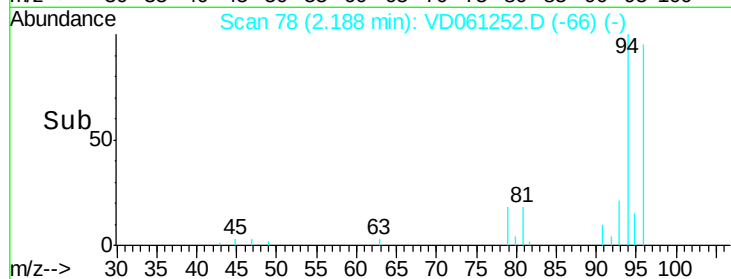
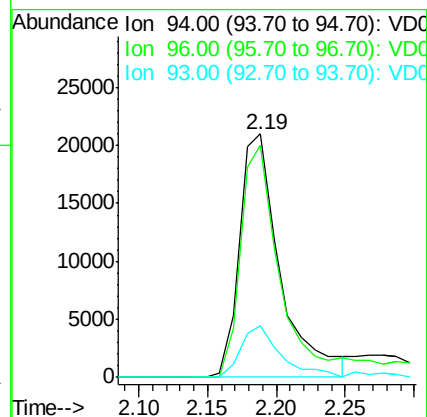
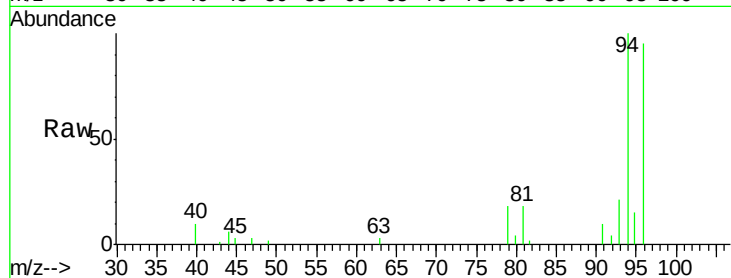
Tot Ion: 94 Resp: 43297

Ion Ratio Lower Upper

94 100

96 95.3 84.0 126.0

93 21.2 17.3 25.9



#6

Chloroethane

Concen: 52.358 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.02 min

Lab File: VD061252.D

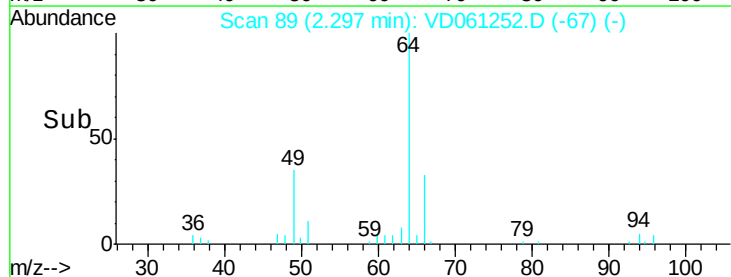
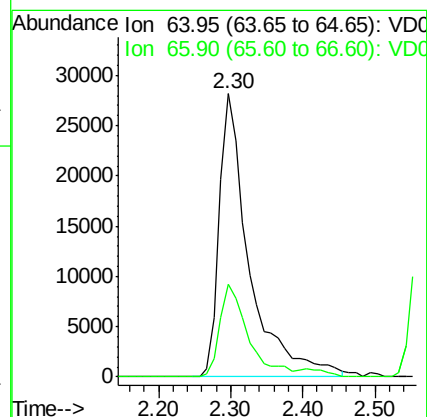
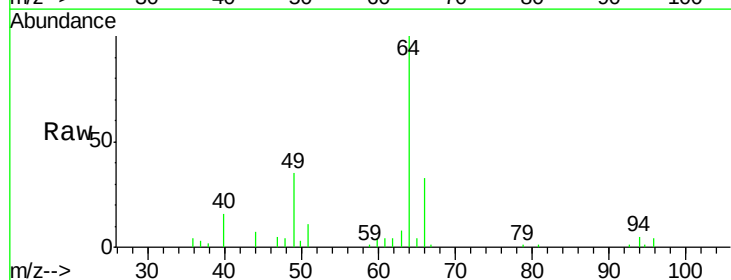
Acq: 22 Mar 2019 10:49

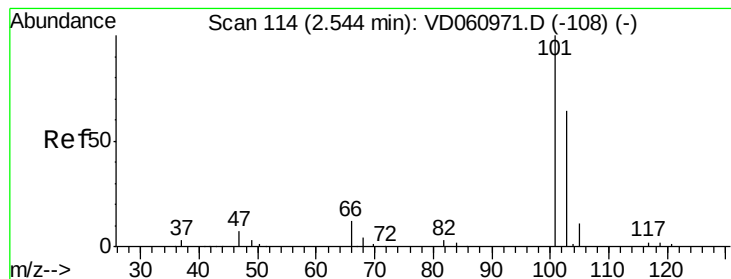
Tgt Ion: 64 Resp: 80902

Ion Ratio Lower Upper

64 100

66 32.8 22.2 33.2



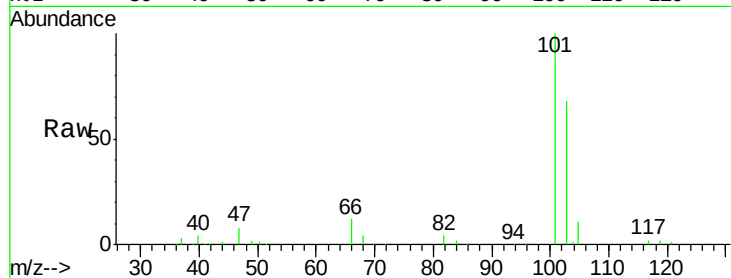


#7

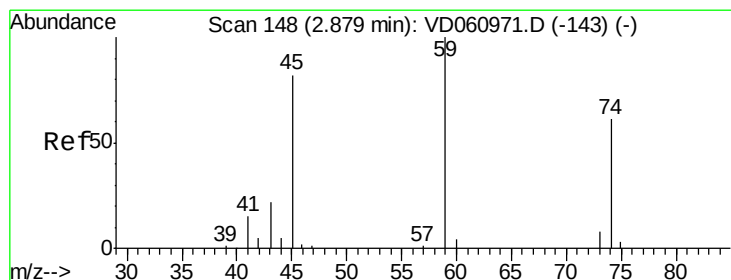
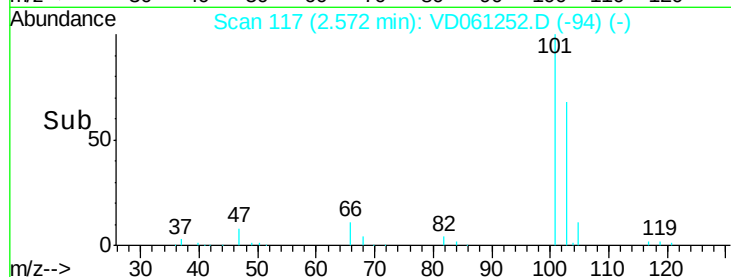
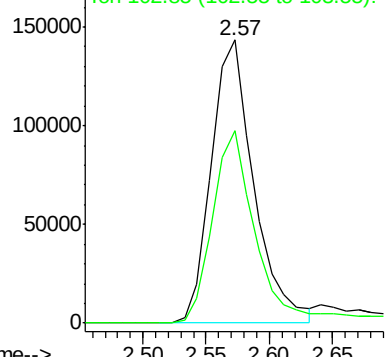
Trichlorofluoromethane
Concen: 45.358 ug/l
RT: 2.57 min Scan# 117
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 336369
Ion Ratio Lower Upper
101 100
103 68.2 51.2 76.8



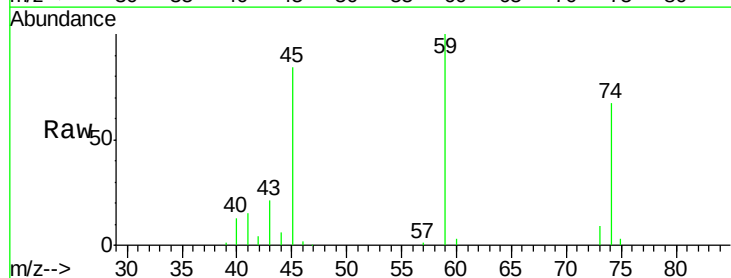
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



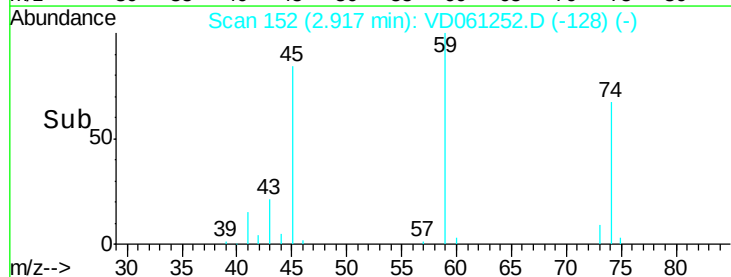
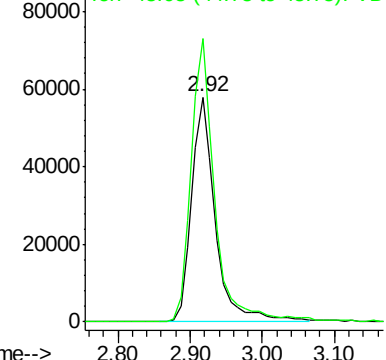
#8

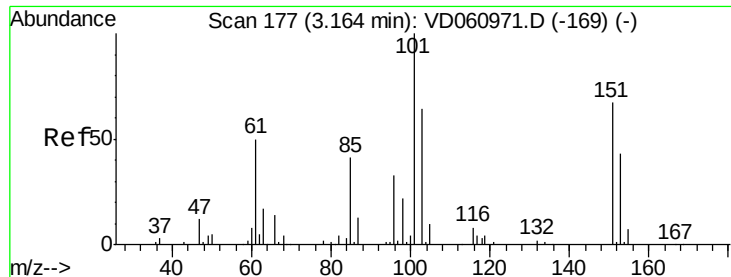
Diethyl Ether
Concen: 53.892 ug/l
RT: 2.92 min Scan# 152
Delta R.T. 0.04 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 74 Resp: 131842
Ion Ratio Lower Upper
74 100
45 125.9 67.0 201.1



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: 49.687 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

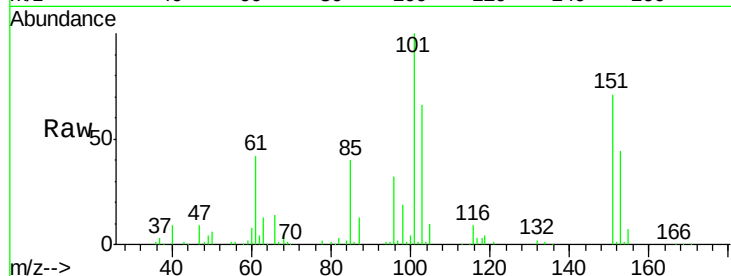
Tot Ion:101 Resp: 411952

Ion Ratio Lower Upper

101 100

85 40.0 32.5 48.7

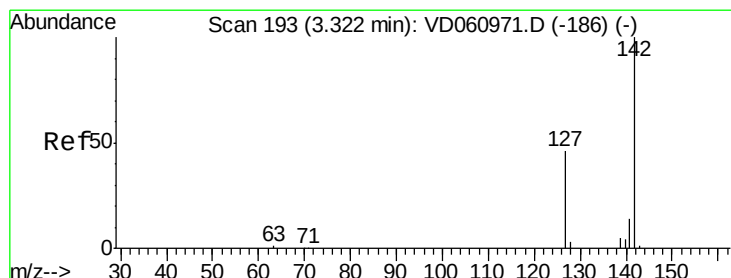
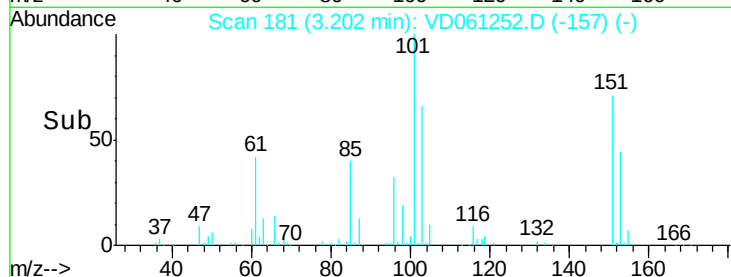
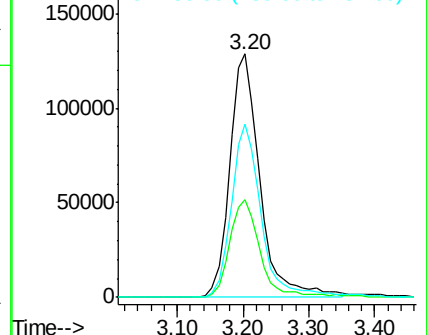
151 71.4 53.3 79.9



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: 50.107 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

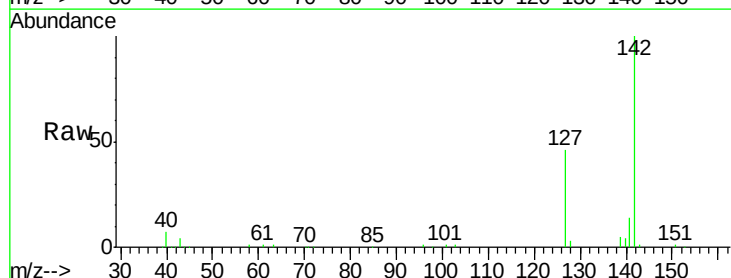
Tgt Ion:142 Resp: 572186

Ion Ratio Lower Upper

142 100

127 45.9 36.8 55.2

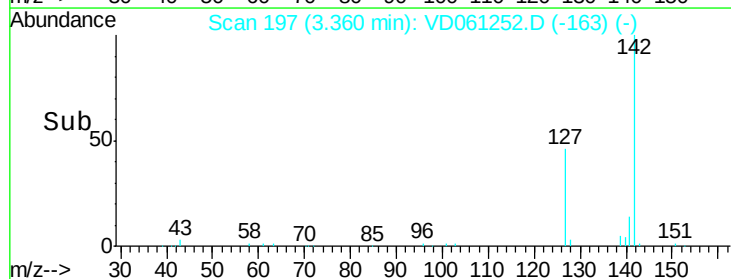
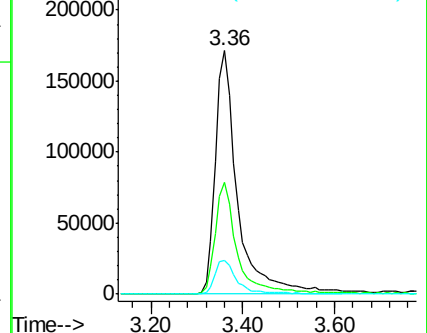
141 14.1 11.2 16.8

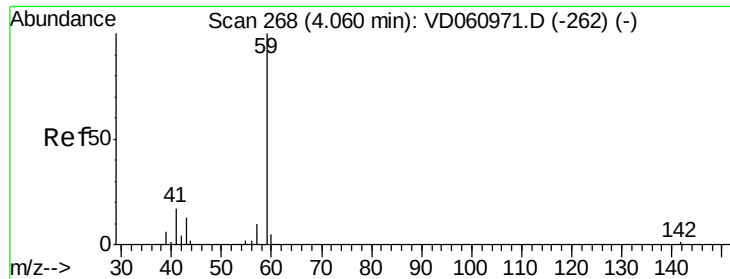


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



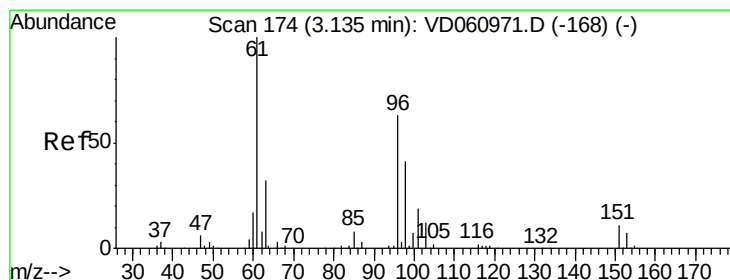
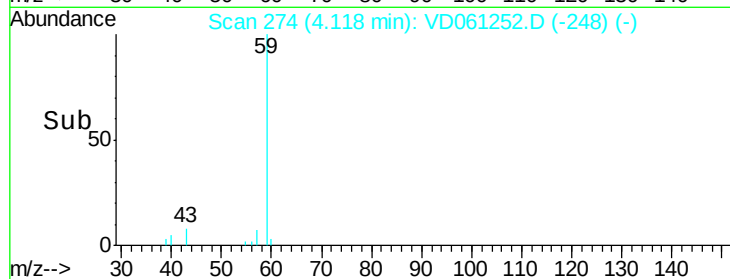
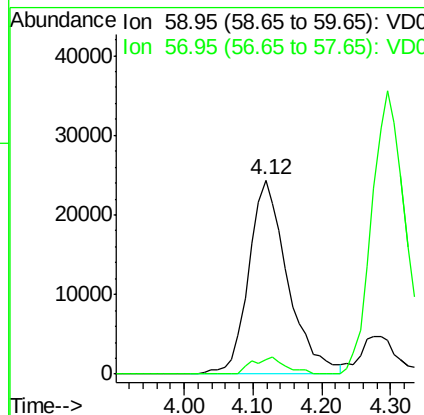
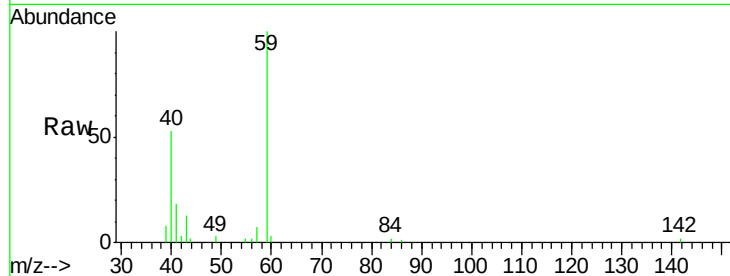


#11

Tert butyl alcohol
Concen: 267.427 ug/l
RT: 4.12 min Scan# 274
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

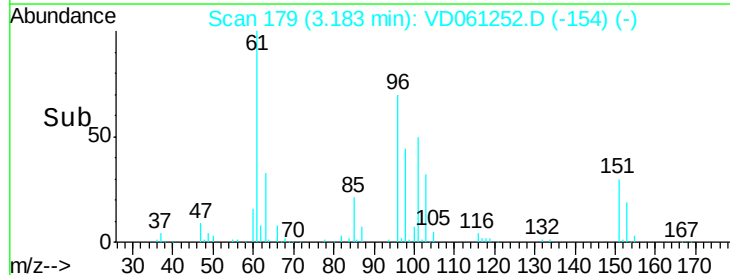
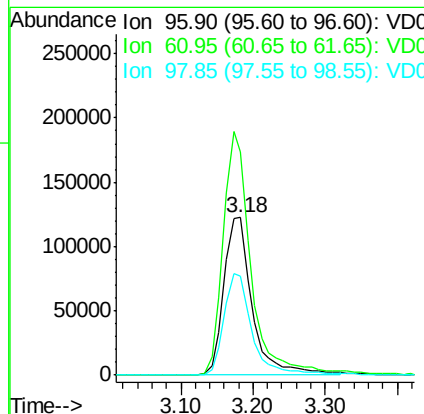
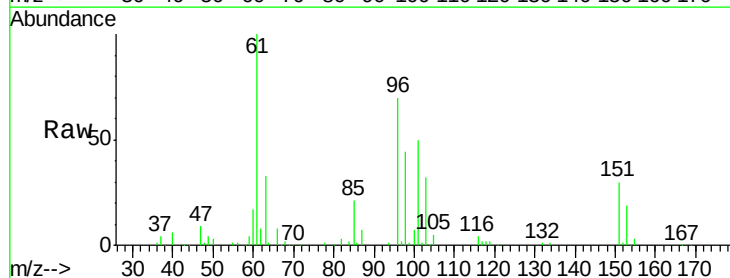
Tot Ion: 59 Resp: 95944
Ion Ratio Lower Upper
59 100
57 7.4 7.1 10.7

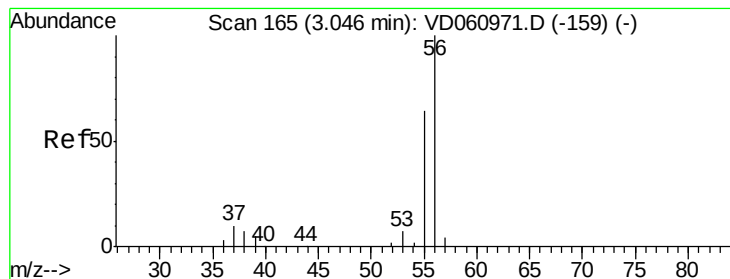


#12

1,1-Dichloroethene
Concen: 49.395 ug/l
RT: 3.18 min Scan# 179
Delta R.T. 0.05 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 96 Resp: 335691
Ion Ratio Lower Upper
96 100
61 142.1 127.1 190.7
98 63.0 51.5 77.3





#13

Acrolein

Concen: 225.507 ug/l

RT: 3.08 min Scan# 169

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

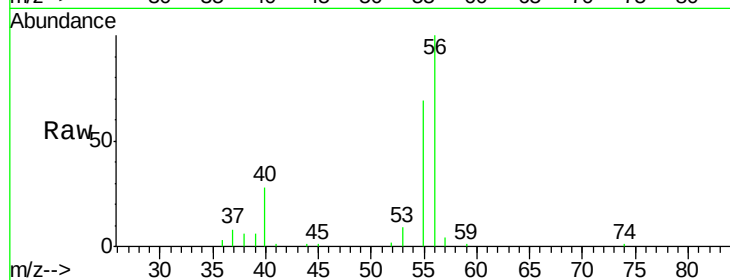
VSTDCCC050

Tot Ion: 56 Resp: 117061

Ion Ratio Lower Upper

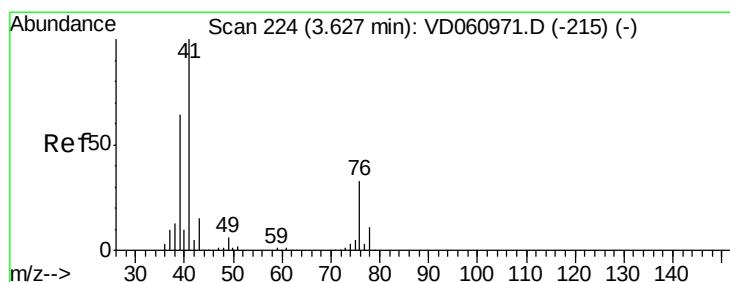
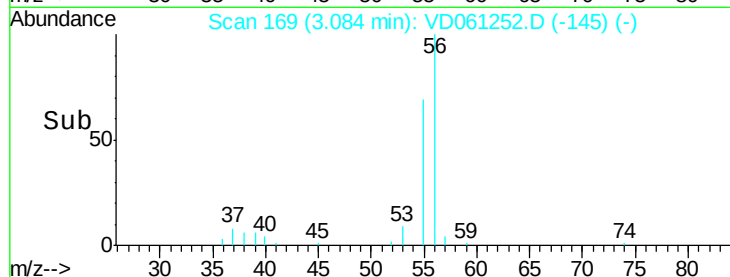
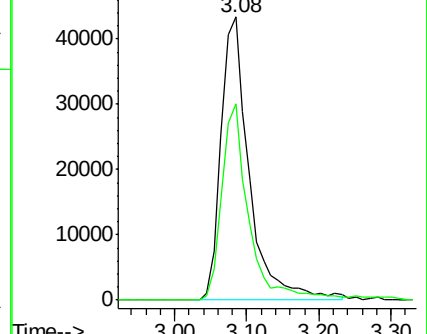
56 100

55 69.3 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.737 ug/l

RT: 3.67 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

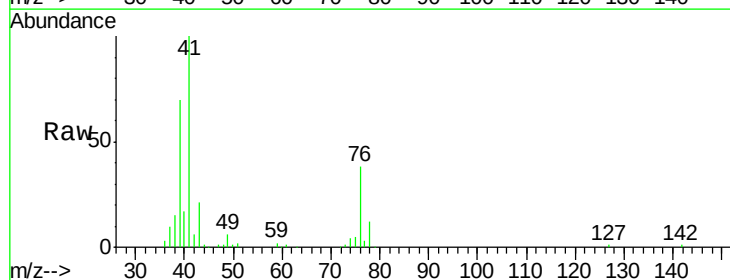
Tgt Ion: 41 Resp: 475581

Ion Ratio Lower Upper

41 100

39 69.6 51.1 76.7

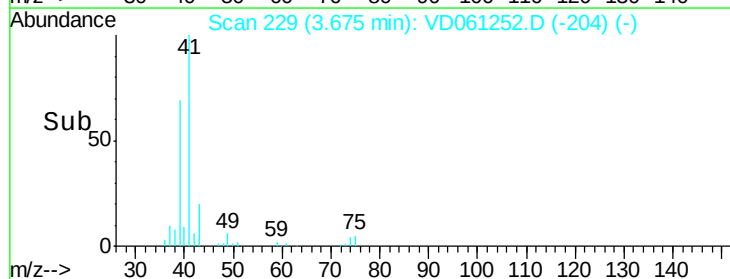
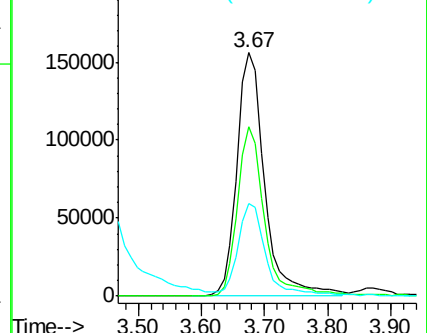
76 38.1 29.1 43.7

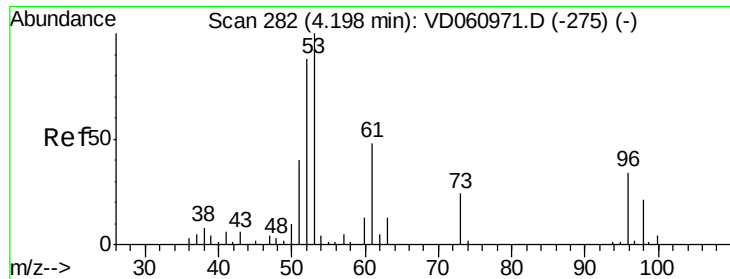


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 254.649 ug/l

RT: 4.26 min Scan# 288

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

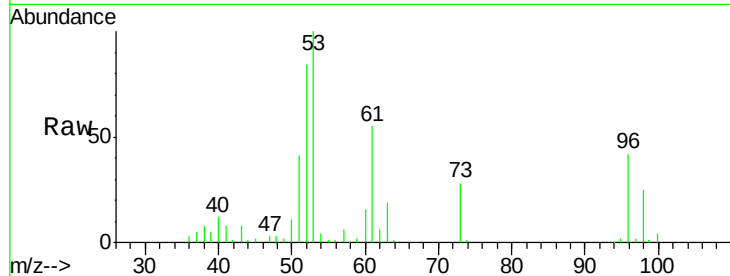
Tot Ion: 53 Resp: 322894

Ion Ratio Lower Upper

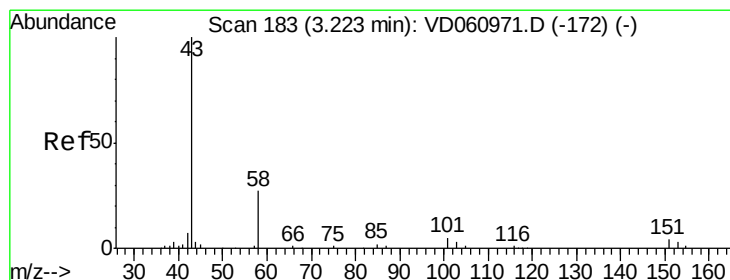
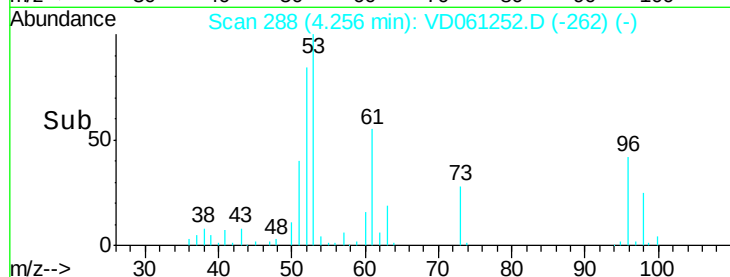
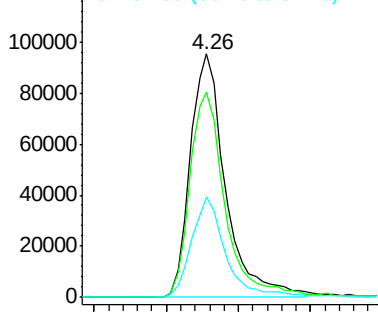
53 100

52 84.4 70.2 105.4

51 40.9 31.7 47.5



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: 287.903 ug/l

RT: 3.26 min Scan# 187

Delta R.T. 0.04 min

Lab File: VD061252.D

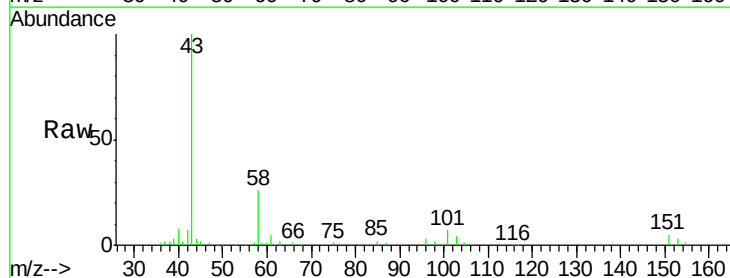
Acq: 22 Mar 2019 10:49

Tgt Ion: 43 Resp: 463962

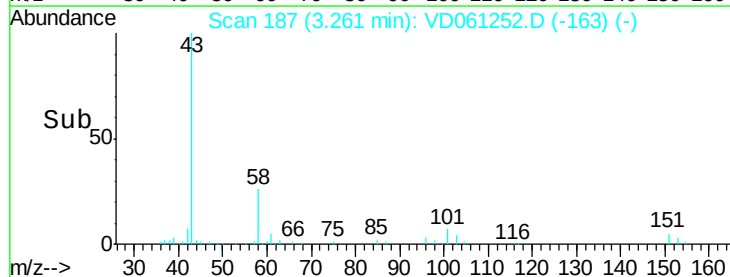
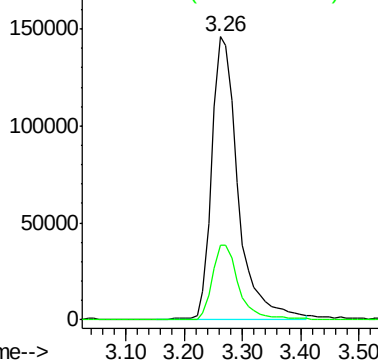
Ion Ratio Lower Upper

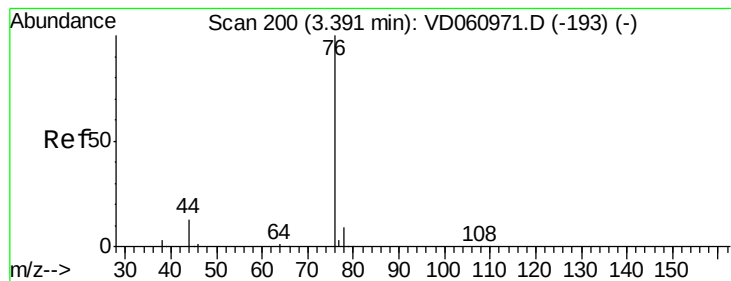
43 100

58 26.3 21.6 32.4



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





#17

Carbon Disulfide

Concen: 42.470 ug/l

RT: 3.43 min Scan# 204

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

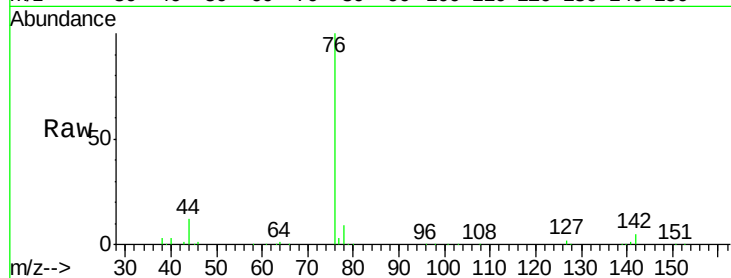
VSTDCCC050

Tot Ion: 76 Resp: 973618

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.43

400000

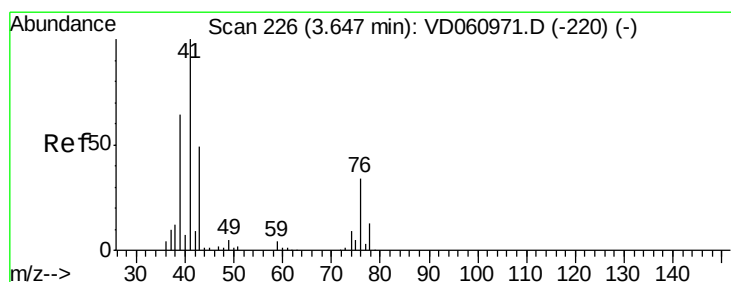
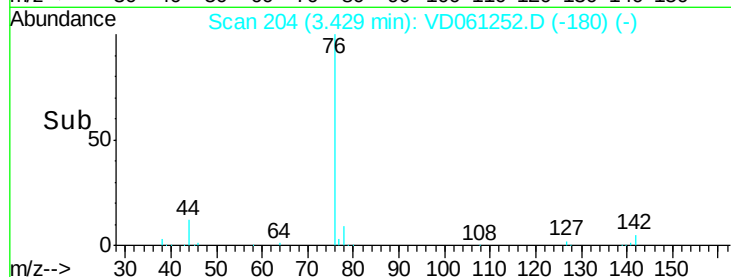
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 58.210 ug/l

RT: 3.69 min Scan# 231

Delta R.T. 0.05 min

Lab File: VD061252.D

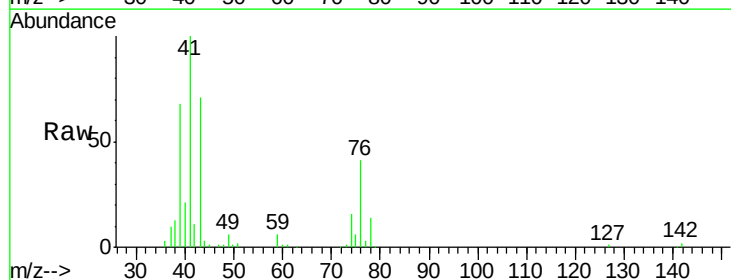
Acq: 22 Mar 2019 10:49

Tgt Ion: 43 Resp: 184610

Ion Ratio Lower Upper

43 100

74 22.4 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.69

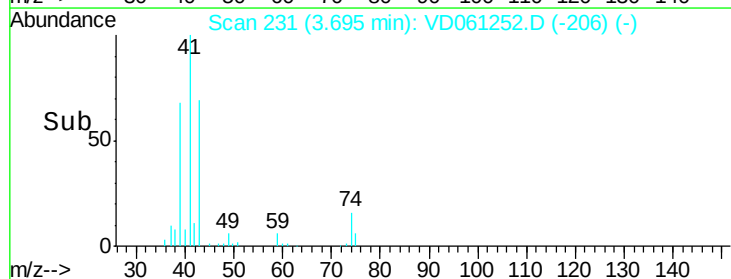
60000

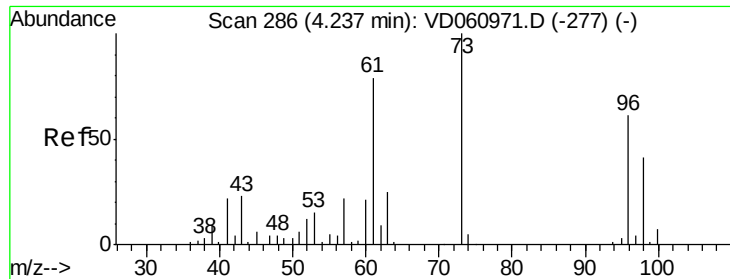
40000

20000

0

Time-->

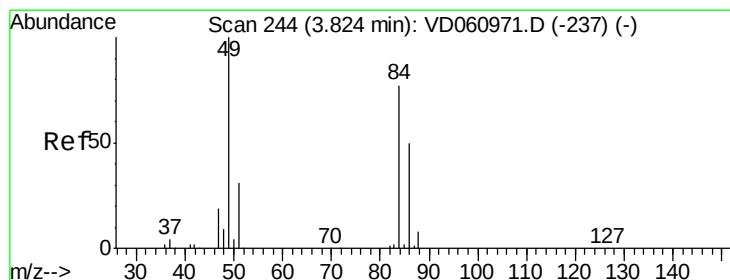
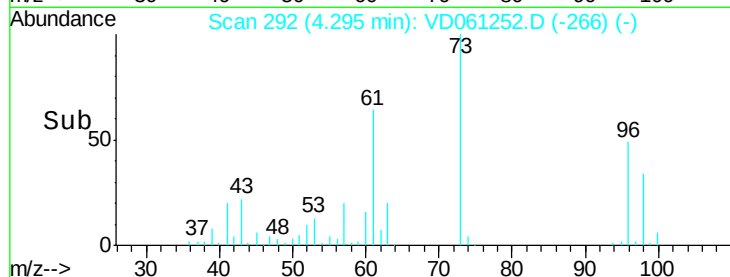
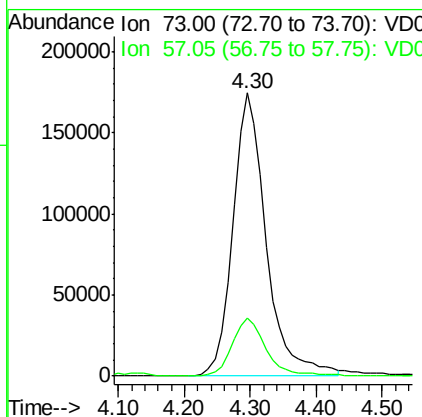
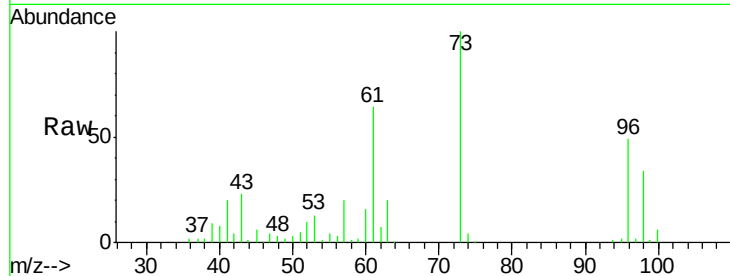




#19
Methyl tert-butyl Ether
Concen: 51.991 ug/l
RT: 4.30 min Scan# 292
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

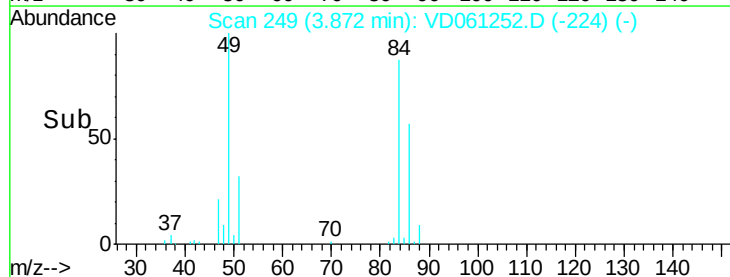
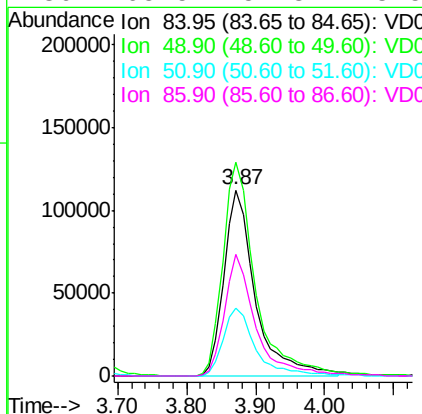
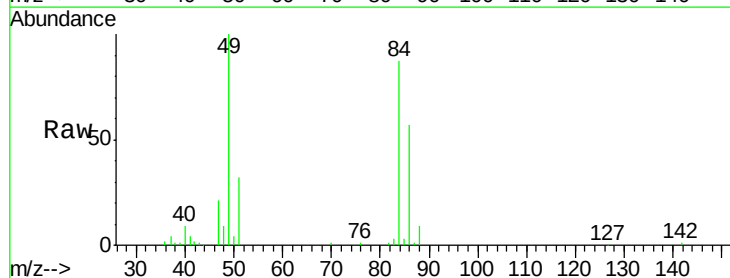
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

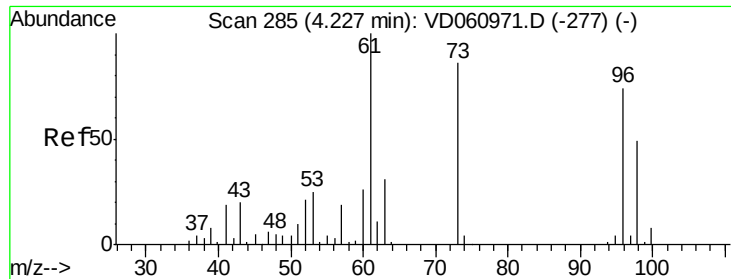
Tot Ion: 73 Resp: 619224
Ion Ratio Lower Upper
73 100
57 20.4 17.7 26.5



#20
Methylene Chloride
Concen: 48.031 ug/l
RT: 3.87 min Scan# 249
Delta R.T. 0.05 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 84 Resp: 354273
Ion Ratio Lower Upper
84 100
49 115.1 104.2 156.2
51 36.5 32.3 48.5
86 65.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.255 ug/l

RT: 4.29 min Scan# 291

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

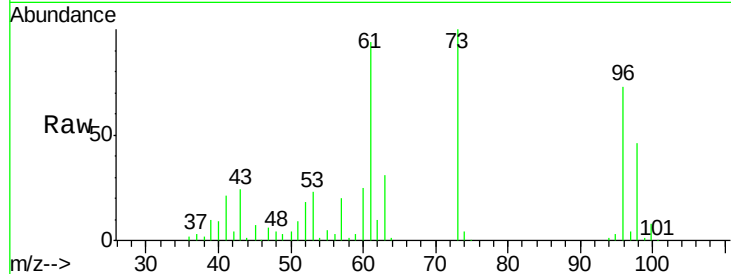
Tot Ion: 96 Resp: 347594

Ion Ratio Lower Upper

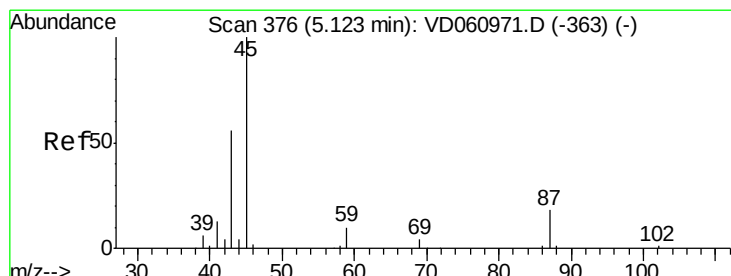
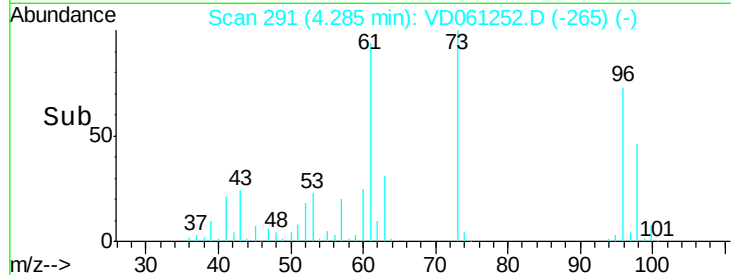
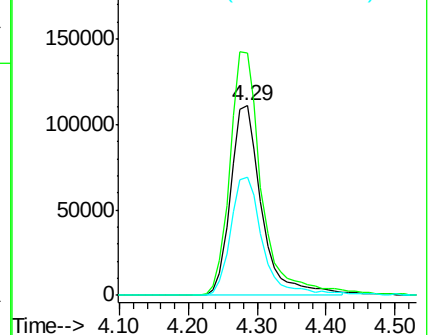
96 100

61 128.4 108.4 162.6

98 62.6 53.0 79.4



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: 45.821 ug/l

RT: 5.19 min Scan# 383

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Tgt Ion: 45 Resp: 1034287

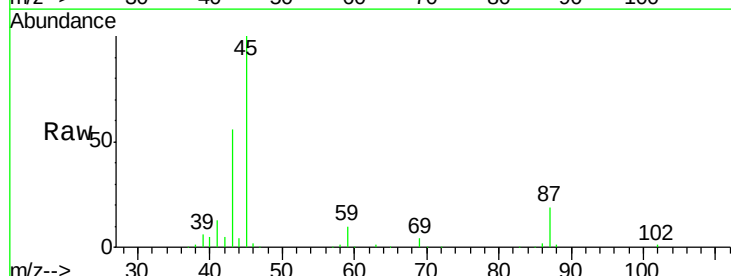
Ion Ratio Lower Upper

45 100

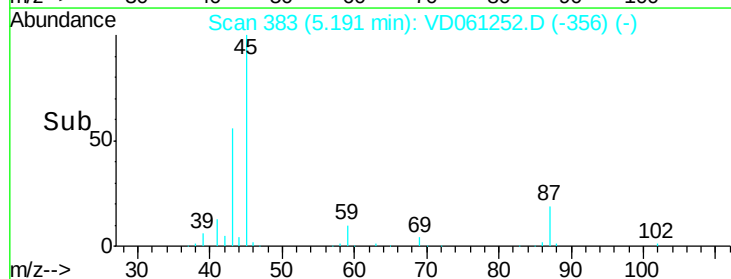
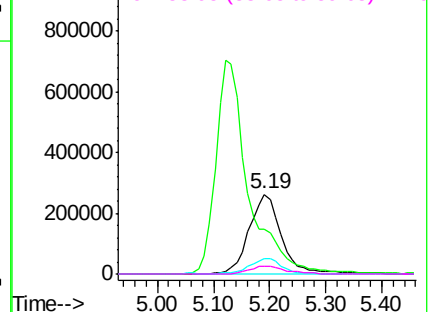
43 56.4 45.8 68.8

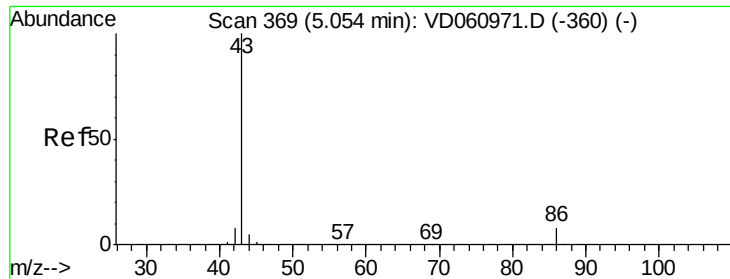
87 19.3 14.9 22.3

59 10.5 8.0 12.0



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: 240.401 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

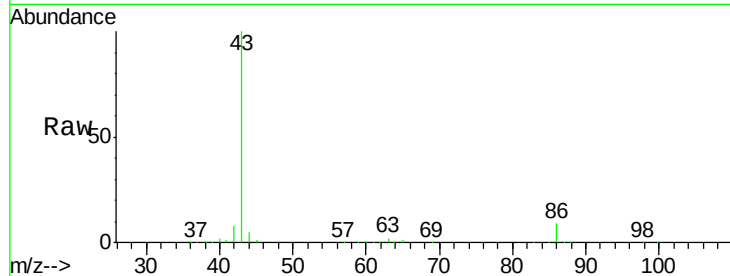
VSTDCCC050

Tot Ion: 43 Resp: 2785640

Ion Ratio Lower Upper

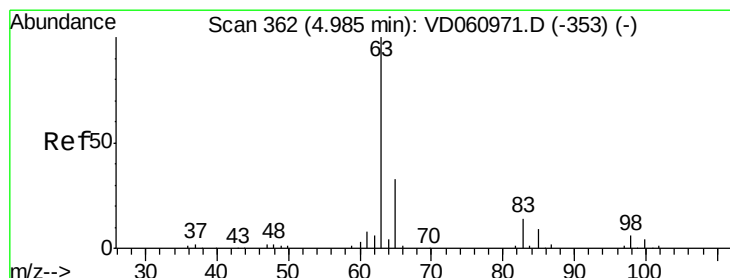
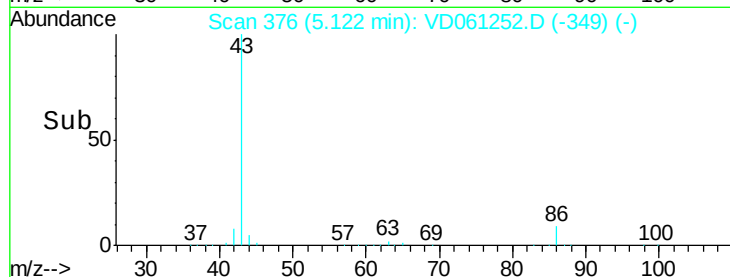
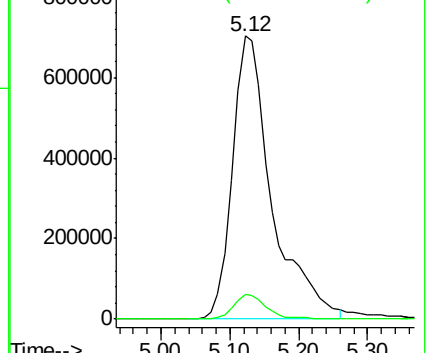
43 100

86 8.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.469 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

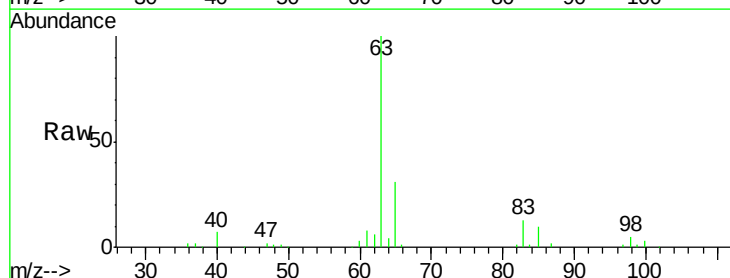
Tgt Ion: 63 Resp: 574706

Ion Ratio Lower Upper

63 100

98 4.7 3.0 9.2

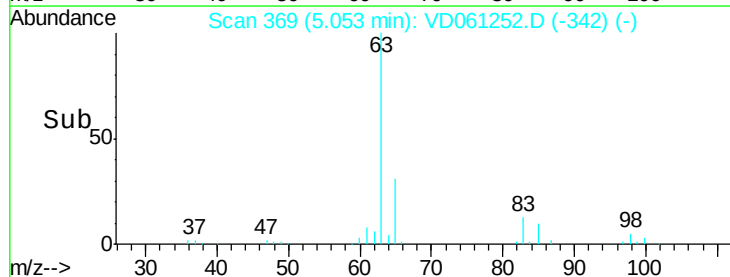
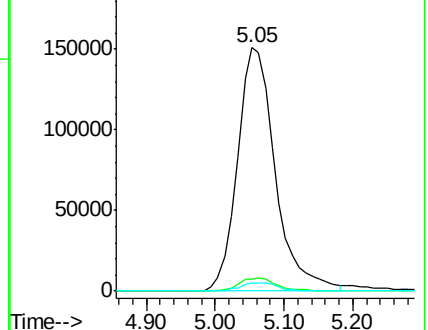
100 3.2 2.0 5.8

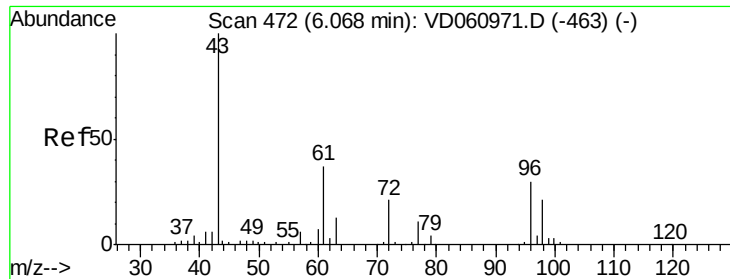


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.460 ug/l

RT: 6.13 min Scan# 478

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

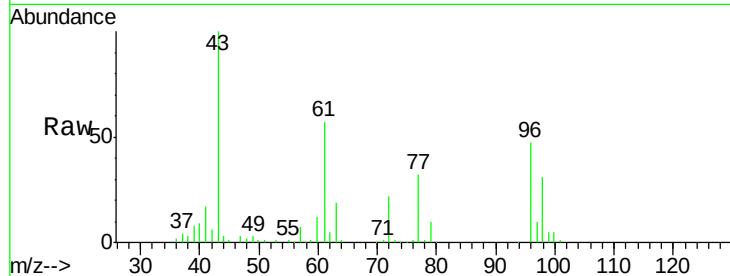
VSTDCCC050

Tot Ion: 43 Resp: 485429

Ion Ratio Lower Upper

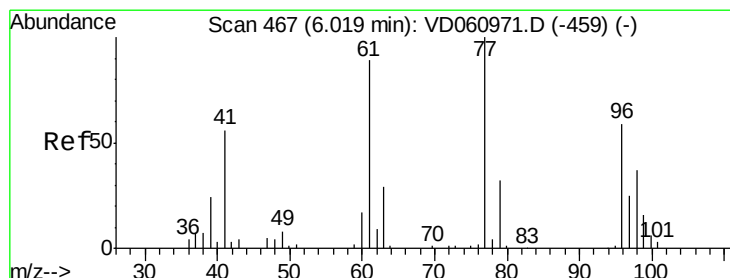
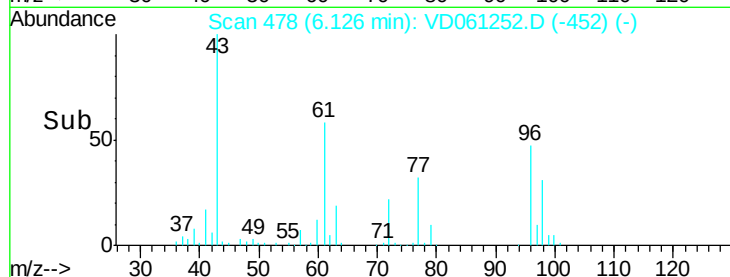
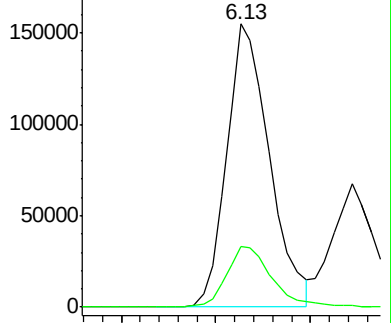
43 100

72 21.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.907 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.07 min

Lab File: VD061252.D

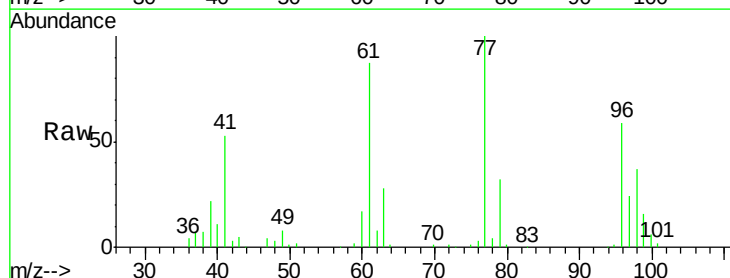
Acq: 22 Mar 2019 10:49

Tgt Ion: 77 Resp: 520454

Ion Ratio Lower Upper

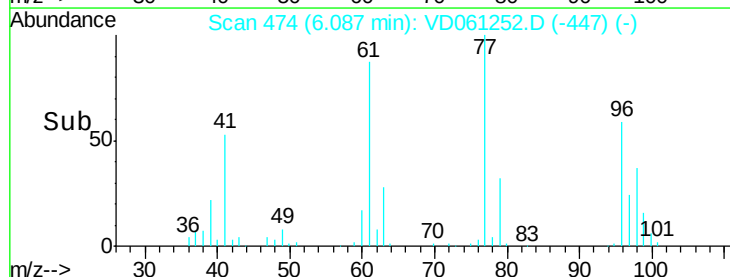
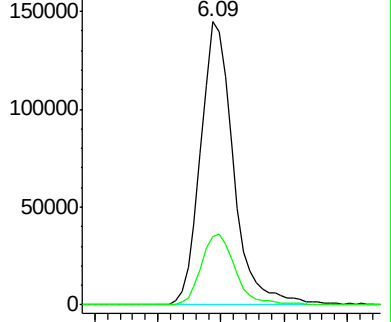
77 100

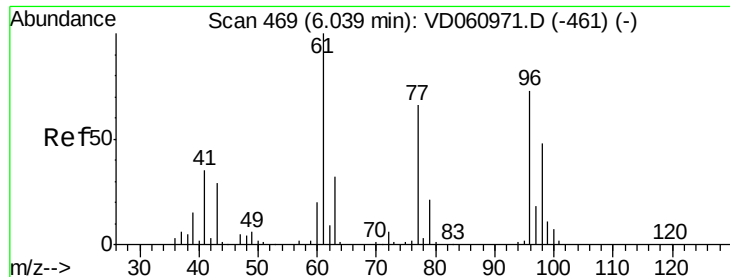
97 24.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



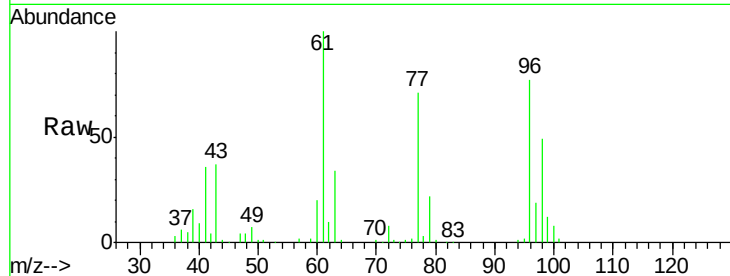


#27

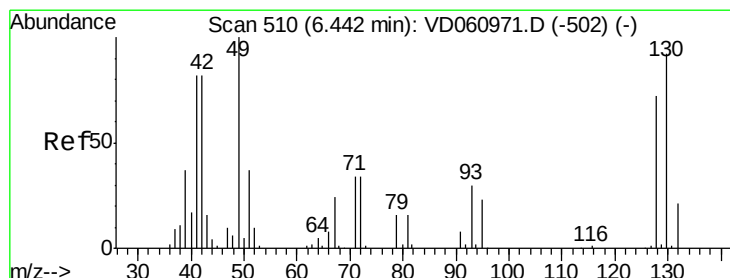
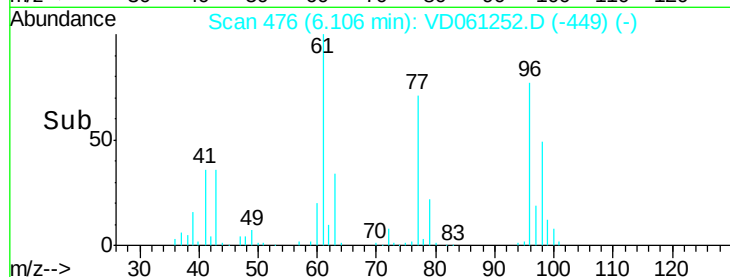
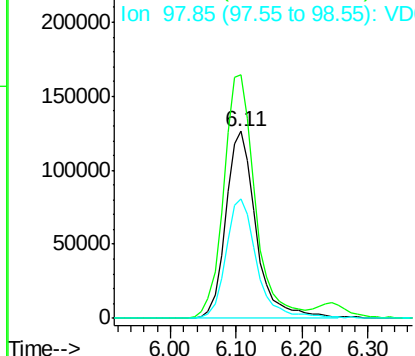
cis-1,2-Dichloroethene
Concen: 52.026 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.07 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 406029
Ion Ratio Lower Upper
96 100
61 130.1 0.0 273.6
98 63.8 0.0 132.6



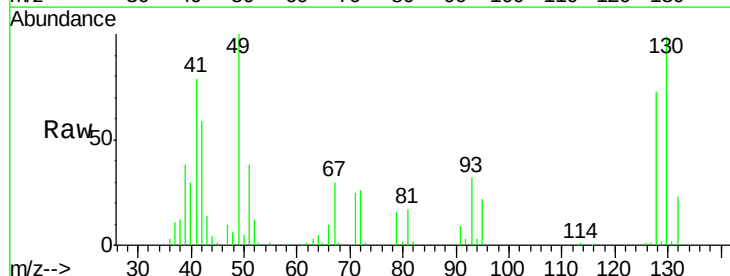
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



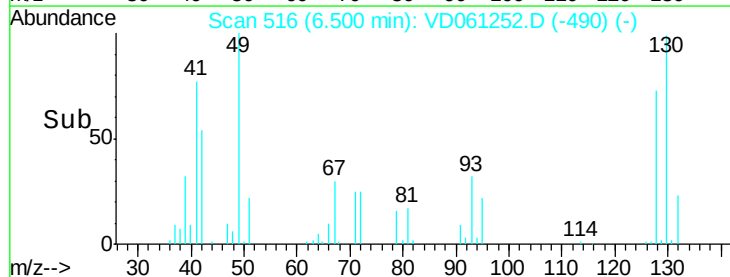
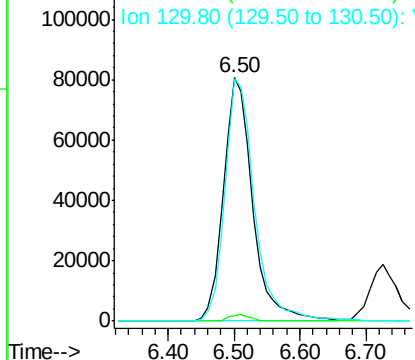
#28

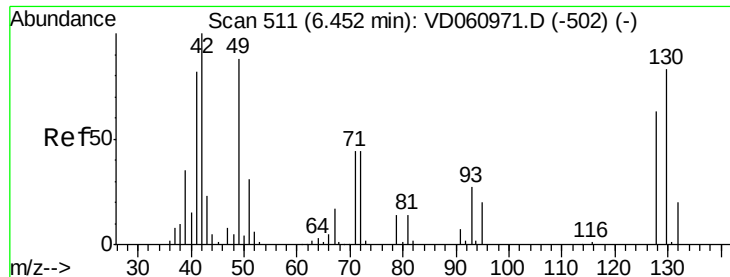
Bromochloromethane
Concen: 47.804 ug/l
RT: 6.50 min Scan# 516
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 49 Resp: 250288
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 99.5 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 244.849 ug/l

RT: 6.52 min Scan# 518

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

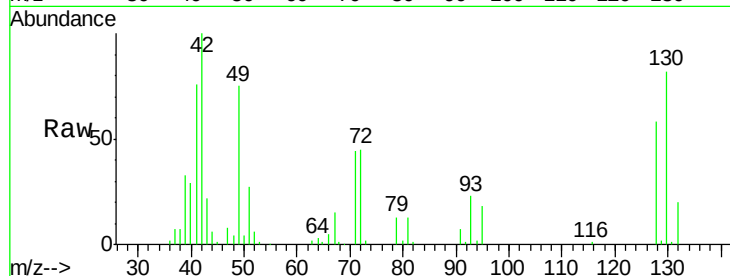
Tot Ion: 42 Resp: 243122

Ion Ratio Lower Upper

42 100

72 46.6 34.5 51.7

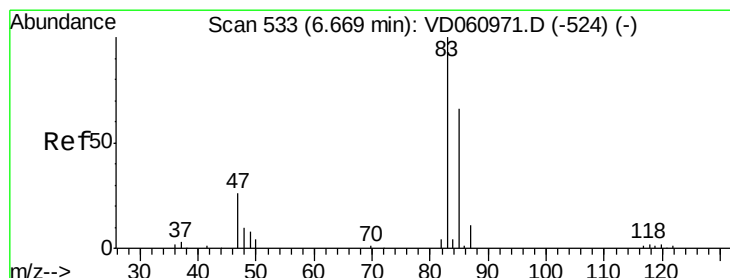
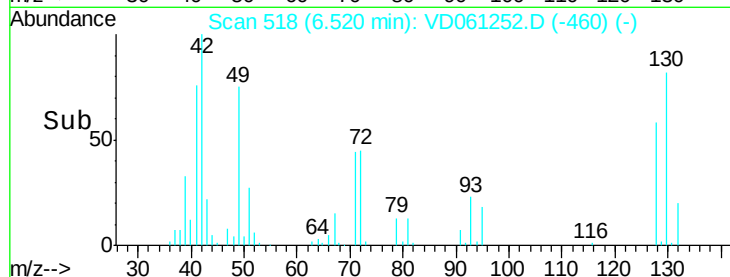
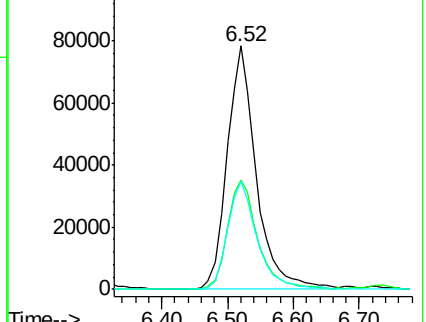
71 44.9 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.160 ug/l

RT: 6.73 min Scan# 539

Delta R.T. 0.06 min

Lab File: VD061252.D

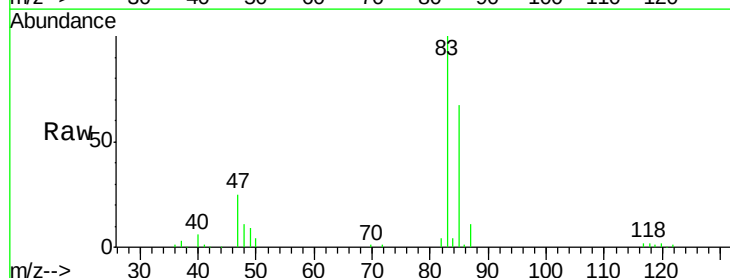
Acq: 22 Mar 2019 10:49

Tgt Ion: 83 Resp: 642938

Ion Ratio Lower Upper

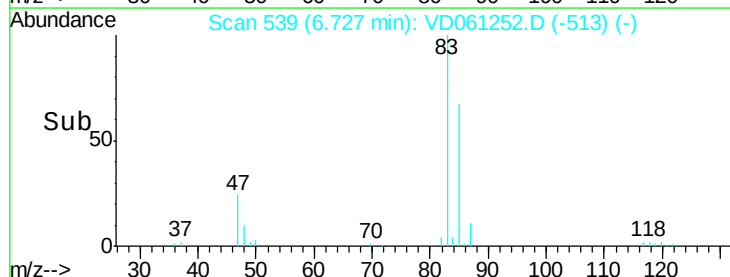
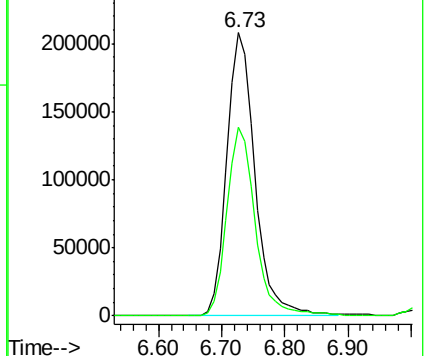
83 100

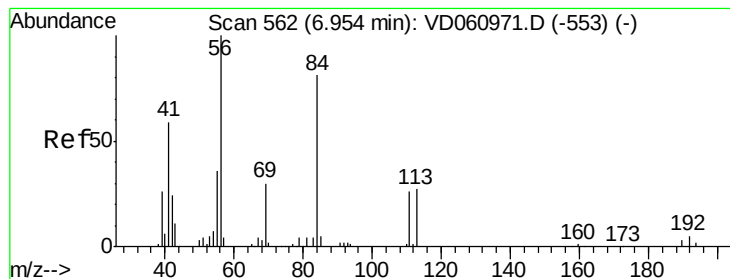
85 66.5 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.693 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

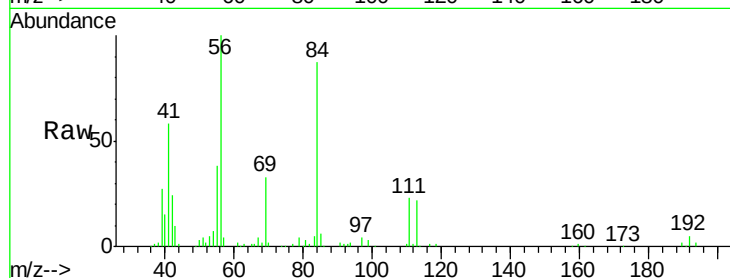
Tot Ion: 56 Resp: 465634

Ion Ratio Lower Upper

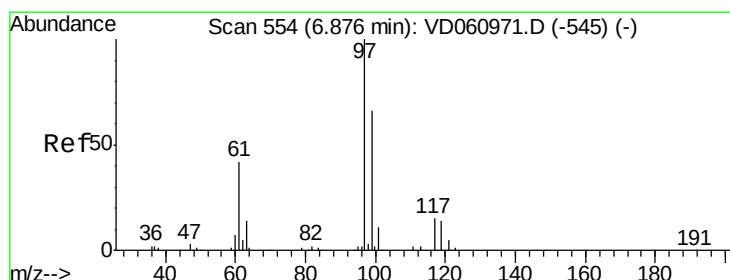
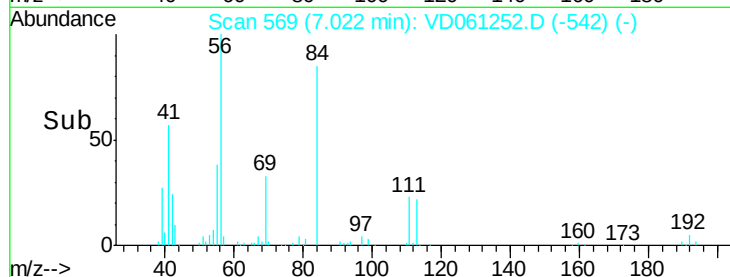
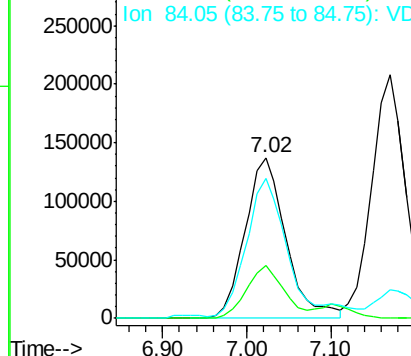
56 100

69 32.7 24.0 36.0

84 87.3 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 50.291 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

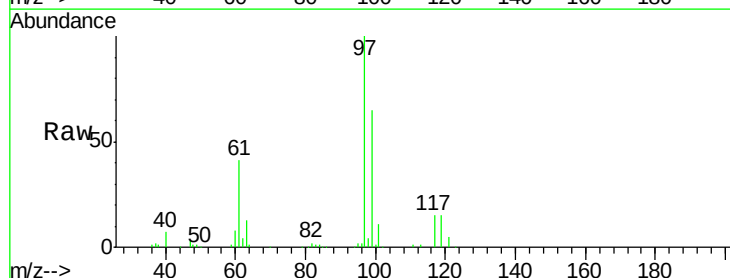
Tgt Ion: 97 Resp: 557303

Ion Ratio Lower Upper

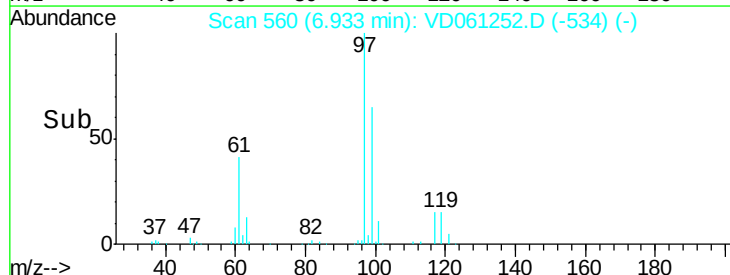
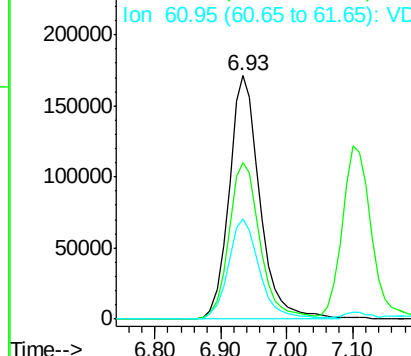
97 100

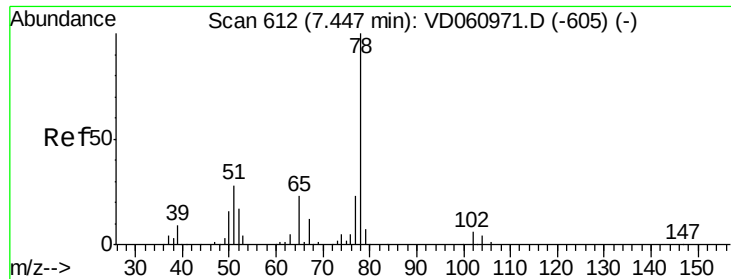
99 64.6 53.2 79.8

61 41.2 33.8 50.8



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

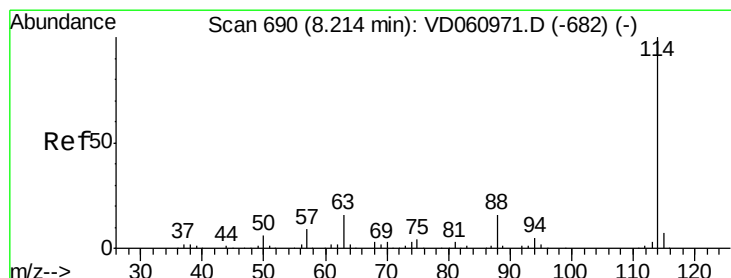
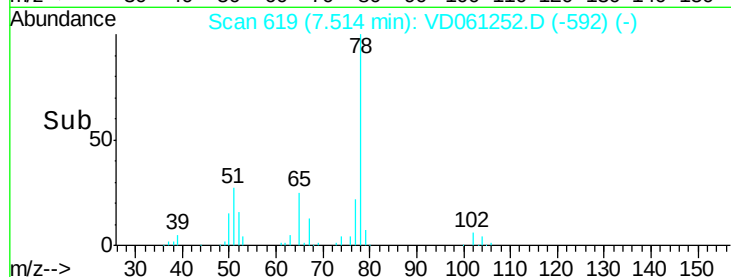
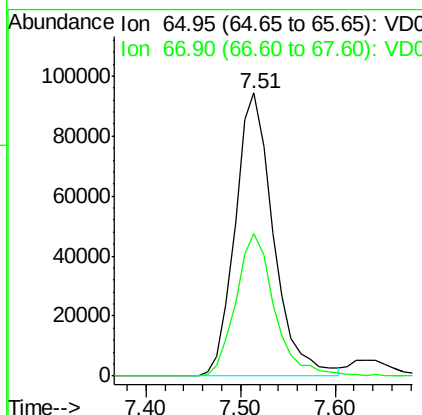
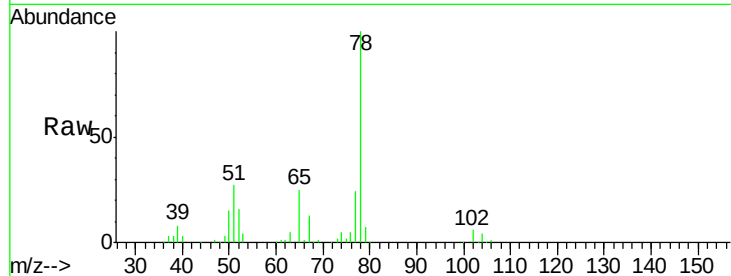




#33
 1,2-Dichloroethane-d4
 Concen: 50.291 ug/l
 RT: 7.51 min Scan# 619
 Delta R.T. 0.07 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

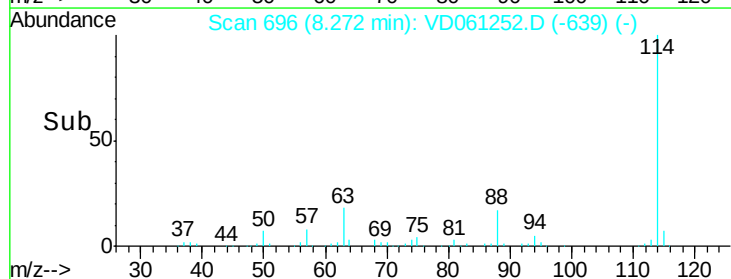
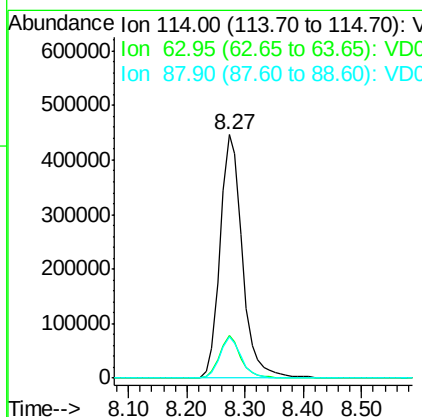
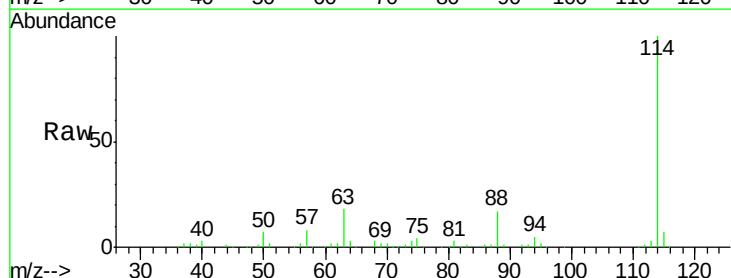
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

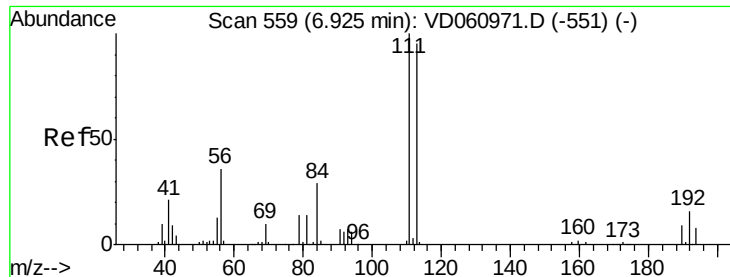
Tot Ion: 65 Resp: 264291
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.27 min Scan# 696
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 114 Resp: 1182307
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 31.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

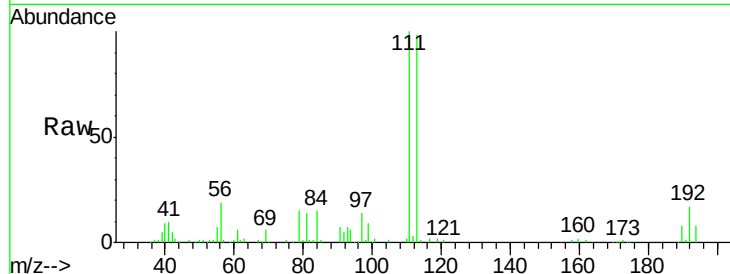
Tot Ion:113 Resp: 427445

Ion Ratio Lower Upper

113 100

111 101.7 84.2 126.4

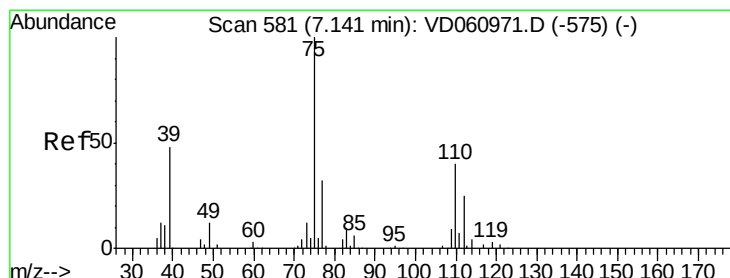
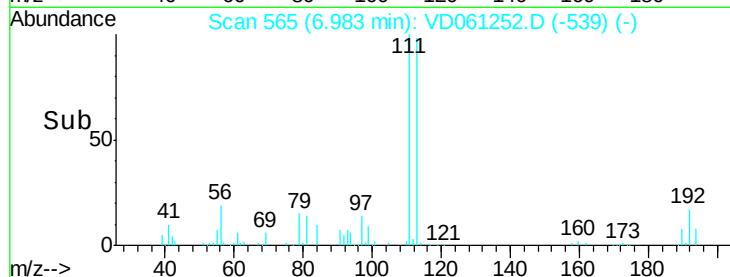
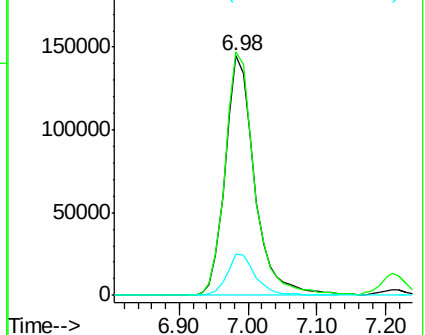
192 17.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.510 ug/l

RT: 7.21 min Scan# 588

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

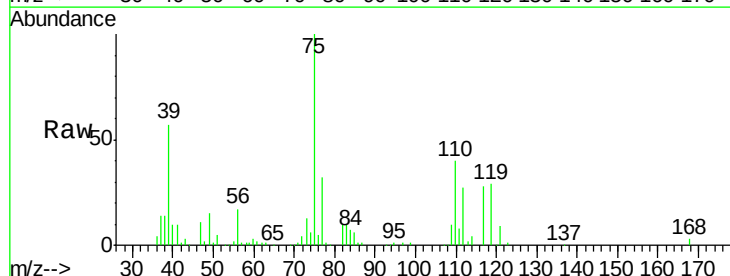
Tgt Ion: 75 Resp: 484194

Ion Ratio Lower Upper

75 100

110 40.0 19.7 59.1

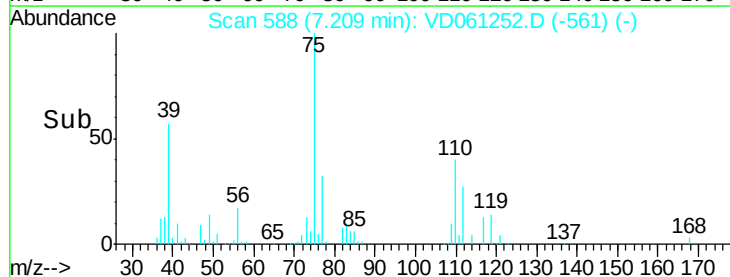
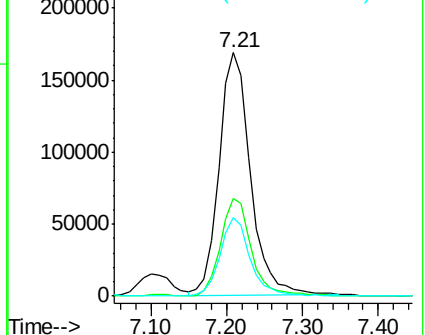
77 32.1 24.7 37.1

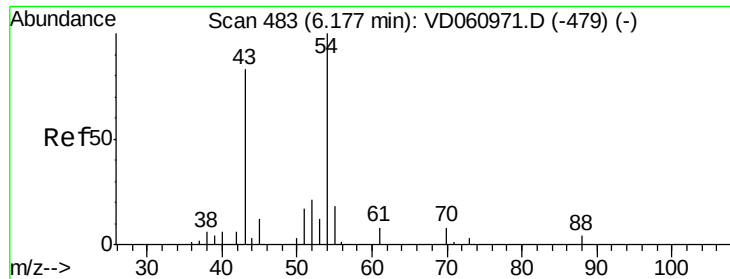


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

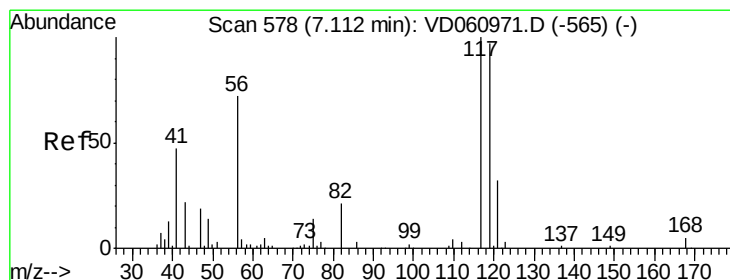
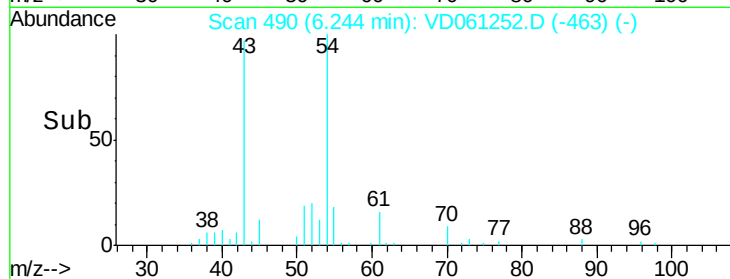
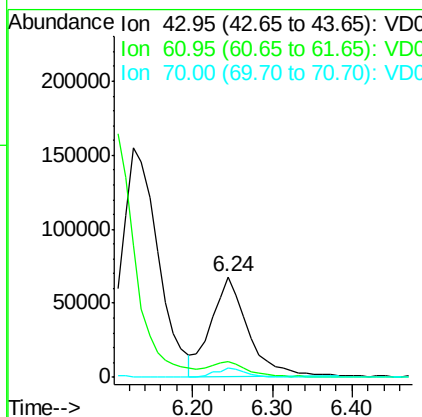
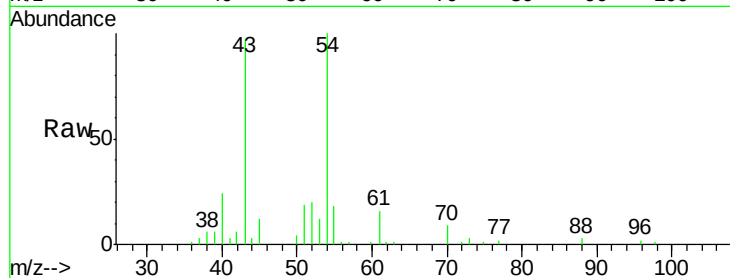




#37
Ethyl Acetate
Concen: 44.952 ug/l
RT: 6.24 min Scan# 490
Delta R.T. 0.07 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

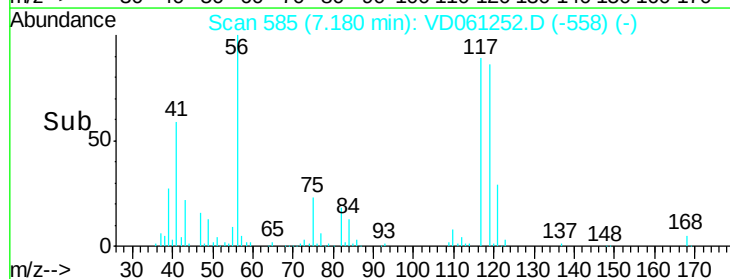
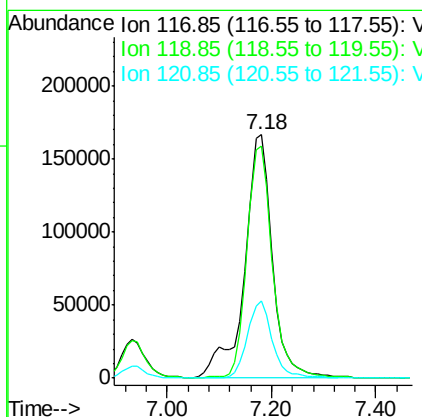
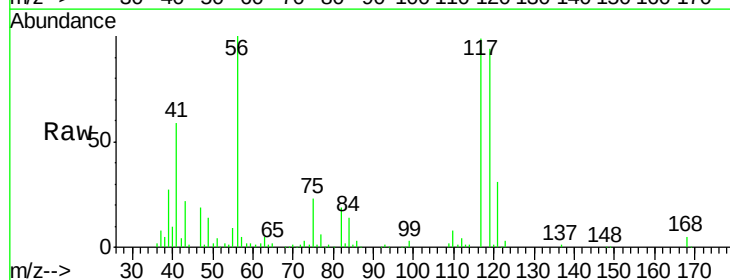
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

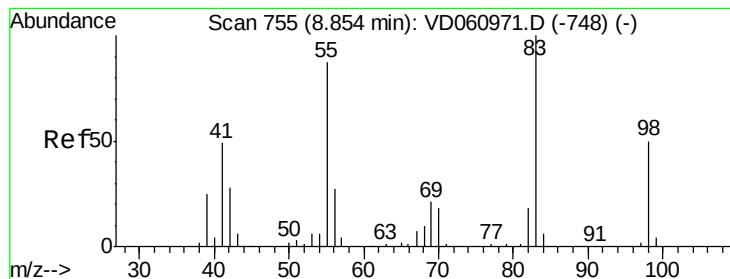
Tot Ion: 43 Resp: 214977
Ion Ratio Lower Upper
43 100
61 16.3 13.7 20.5
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 53.228 ug/l
RT: 7.18 min Scan# 585
Delta R.T. 0.07 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 117 Resp: 597536
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8
121 31.9 25.3 37.9





#39

Methylvlcyclohexane

Concen: 43.595 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

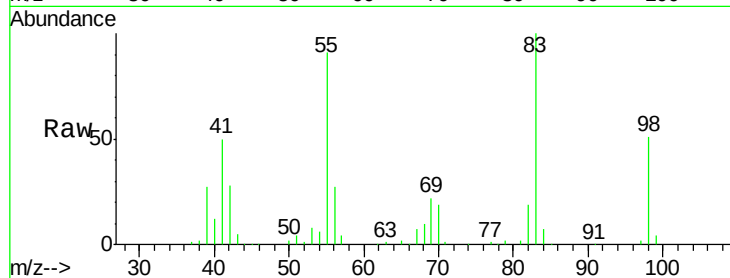
Tot Ion: 83 Resp: 460692

Ion Ratio Lower Upper

83 100

55 91.4 69.6 104.4

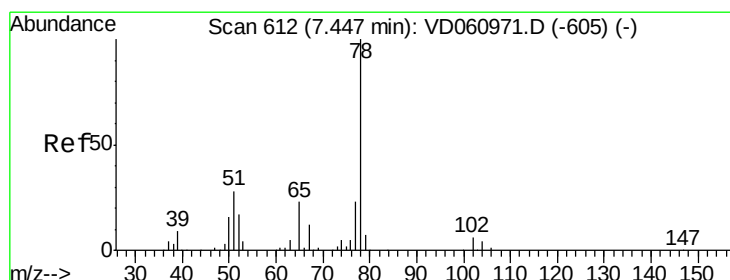
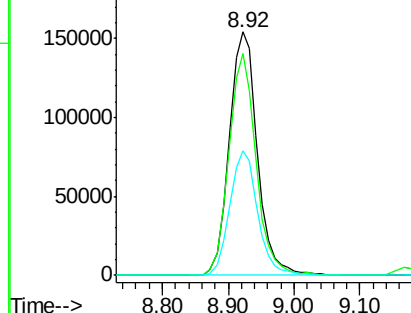
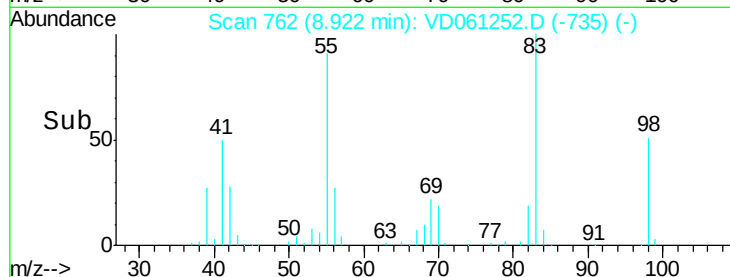
98 51.3 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 43.181 ug/l

RT: 7.51 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061252.D

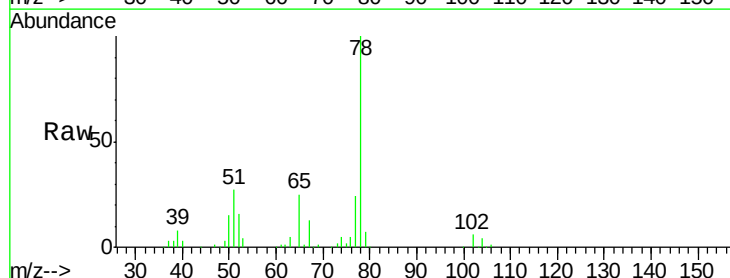
Acq: 22 Mar 2019 10:49

Tgt Ion: 78 Resp: 1099638

Ion Ratio Lower Upper

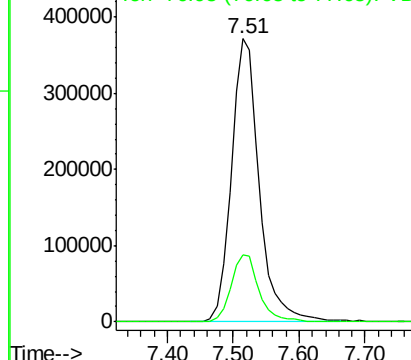
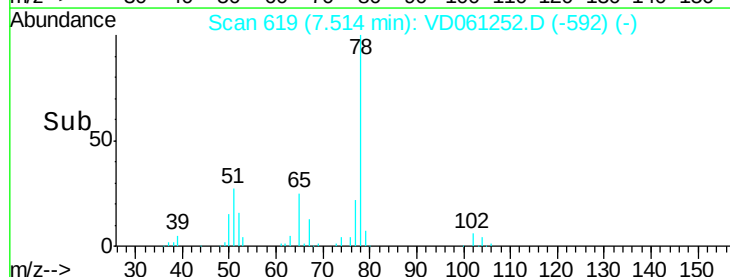
78 100

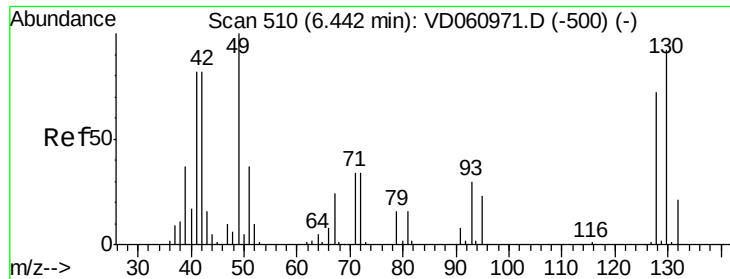
77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

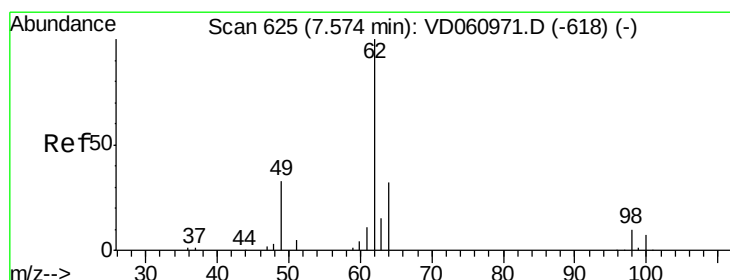
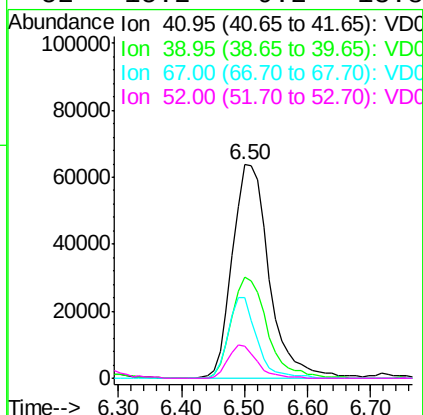
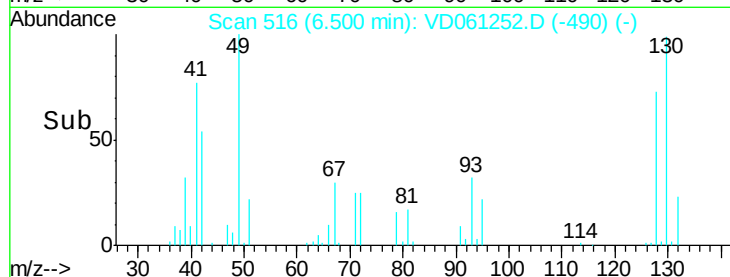
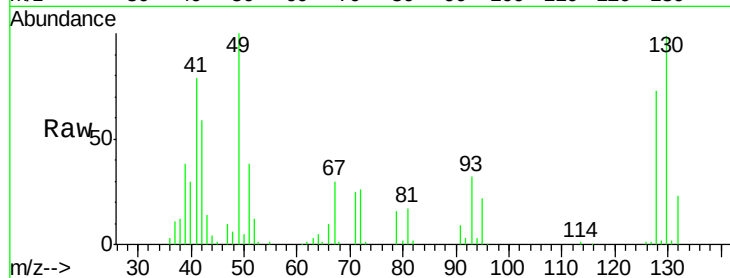




#41
Methacrylonitrile
Concen: 46.851 ug/l
RT: 6.50 min Scan# 516
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

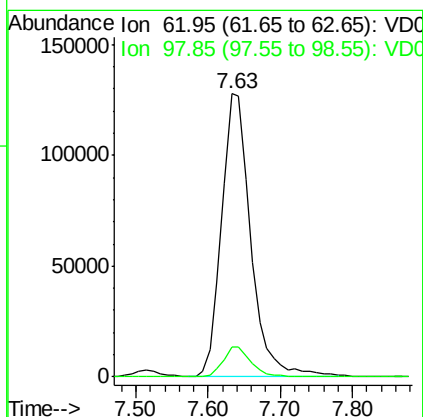
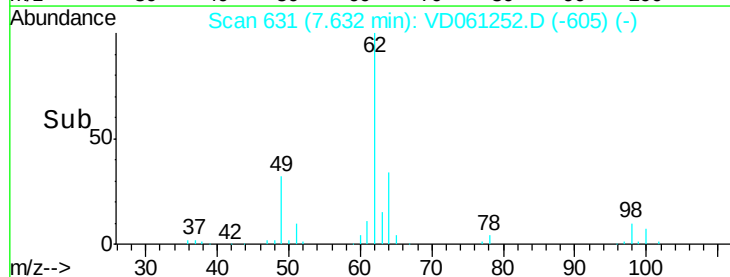
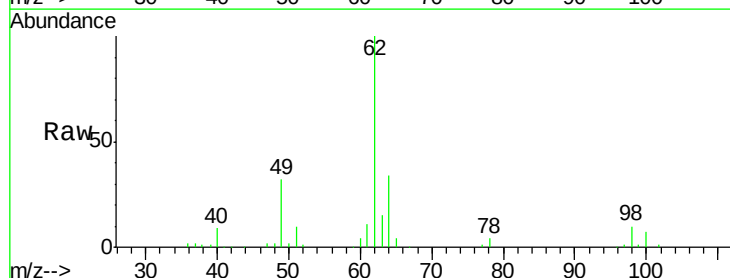
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

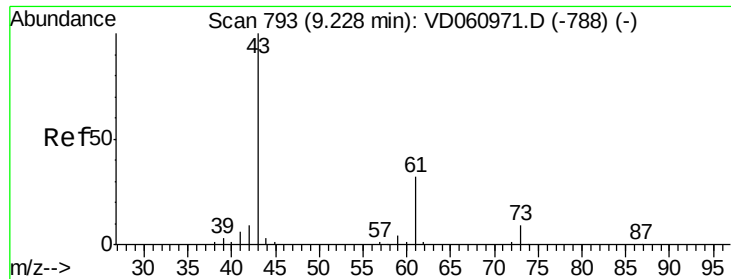
Tot Ion: 41 Resp: 257722
Ion Ratio Lower Upper
41 100
39 47.7 35.7 53.5
67 37.6 23.0 34.6#
52 15.2 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 48.756 ug/l
RT: 7.63 min Scan# 631
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 62 Resp: 360309
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.4

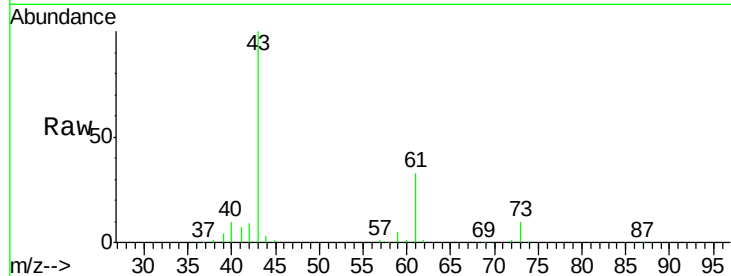




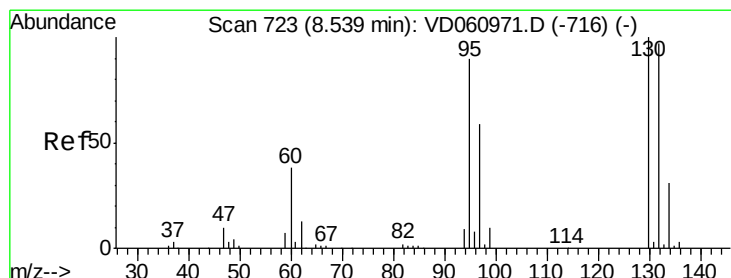
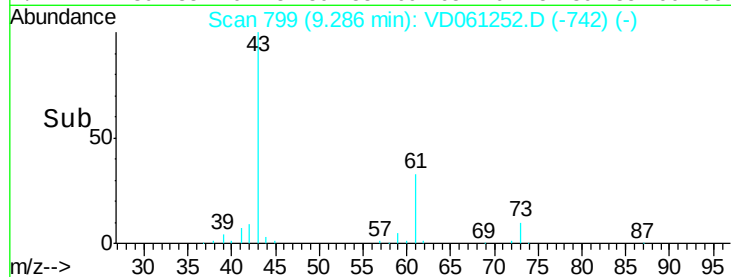
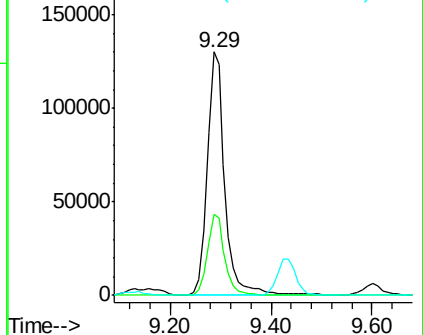
#43
Isopropyl Acetate
Concen: 48.285 ug/l
RT: 9.29 min Scan# 799
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 319829
Ion Ratio Lower Upper
43 100
61 33.1 25.6 38.4
87 0.4 0.2 0.4#

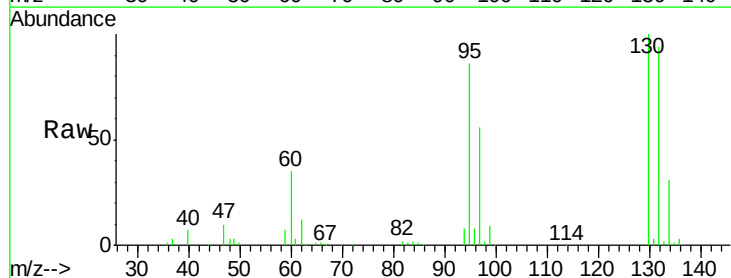


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

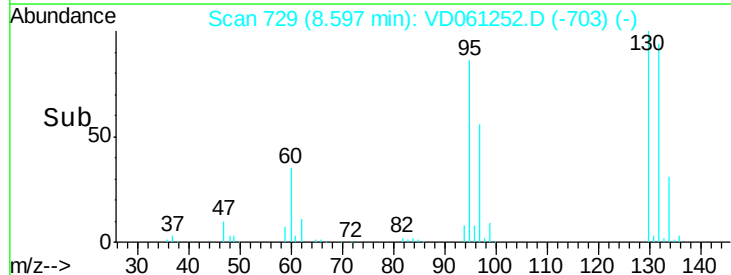
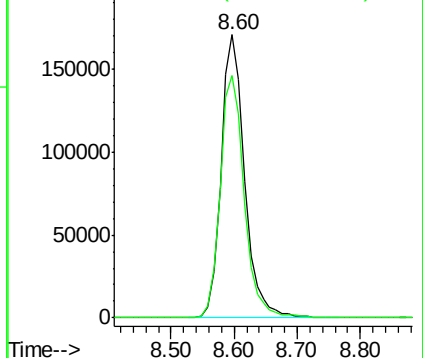


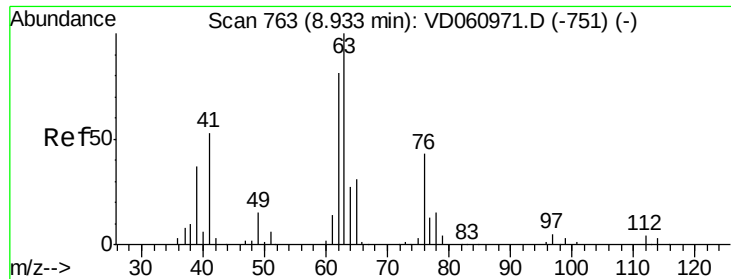
#44
Trichloroethene
Concen: 50.317 ug/l
RT: 8.60 min Scan# 729
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion:130 Resp: 442061
Ion Ratio Lower Upper
130 100
95 85.9 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

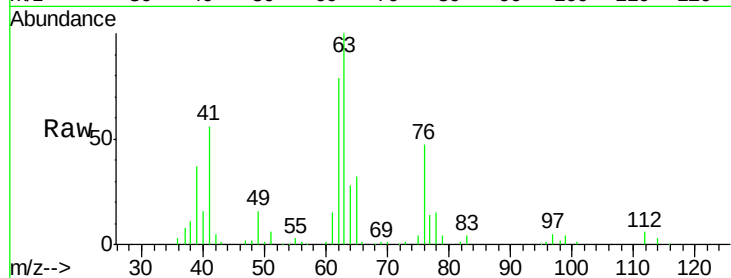




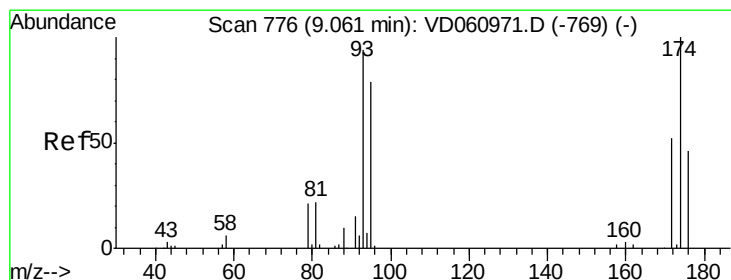
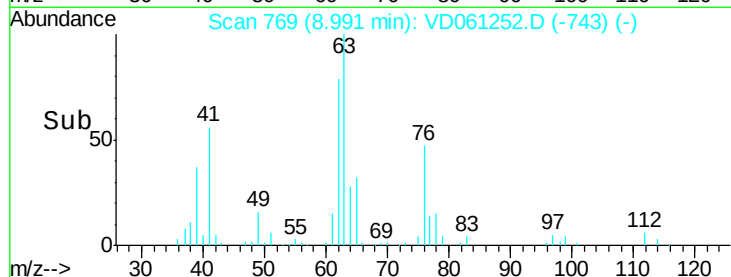
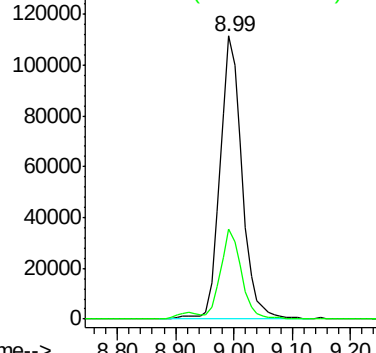
#45
 1,2-Dichloropropane
 Concen: 44.234 ug/l
 RT: 8.99 min Scan# 769
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 295939
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2

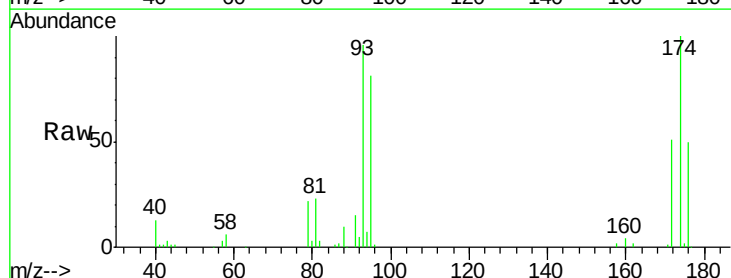


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

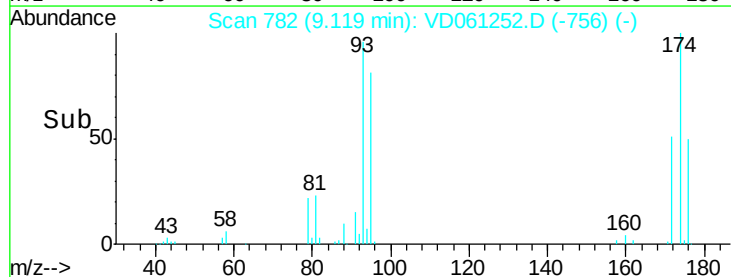
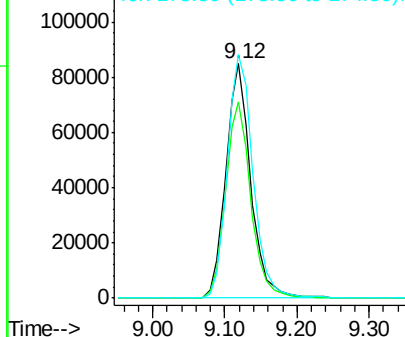


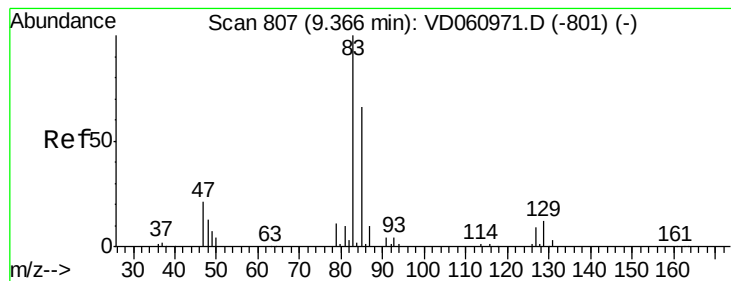
#46
 Dibromomethane
 Concen: 47.656 ug/l
 RT: 9.12 min Scan# 782
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 93 Resp: 202245
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.4 101.0
 174 104.0 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.307 ug/l

RT: 9.43 min Scan# 814

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

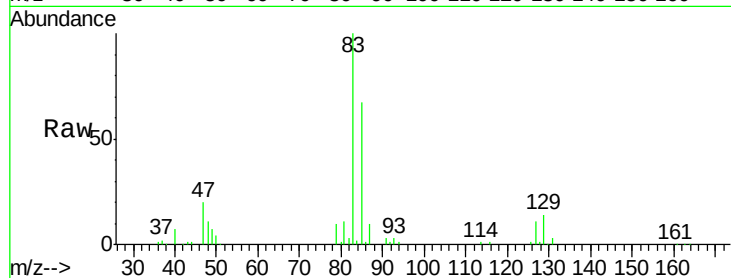
Tot Ion: 83 Resp: 481770

Ion Ratio Lower Upper

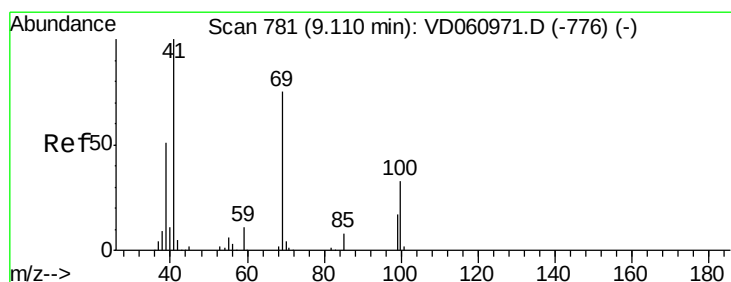
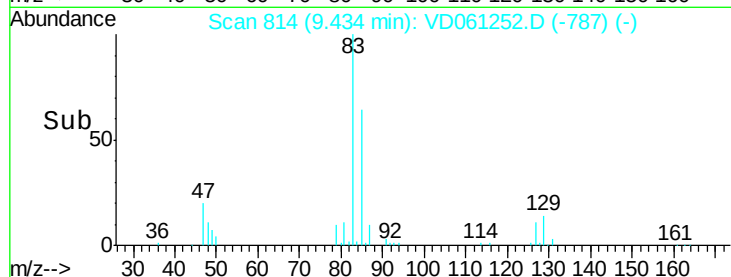
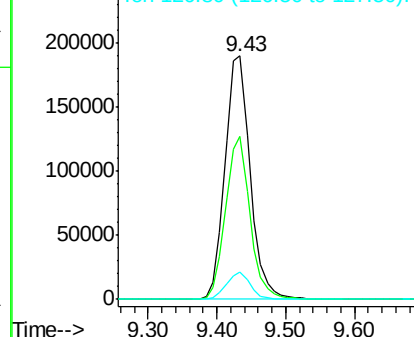
83 100

85 67.2 52.5 78.7

127 11.0 7.5 11.3



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: 47.855 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

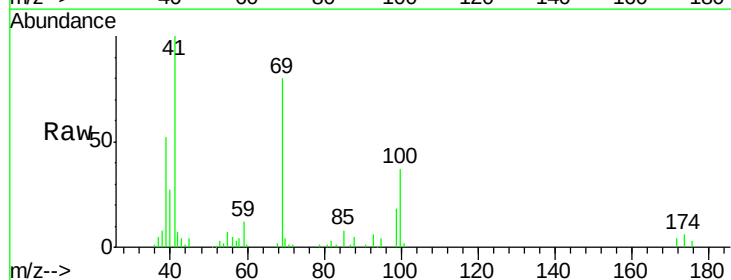
Tgt Ion: 41 Resp: 178474

Ion Ratio Lower Upper

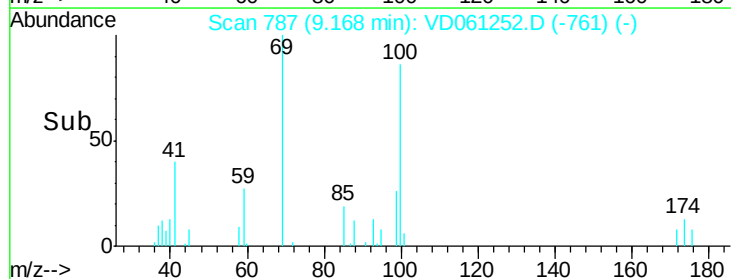
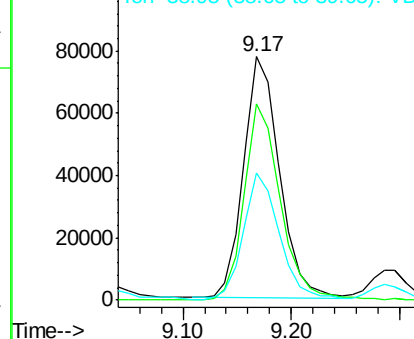
41 100

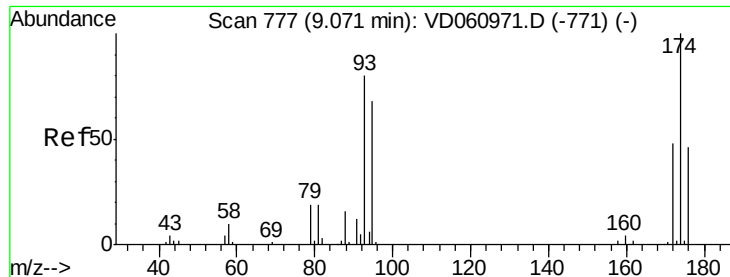
69 80.4 59.9 89.9

39 52.4 40.9 61.3



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

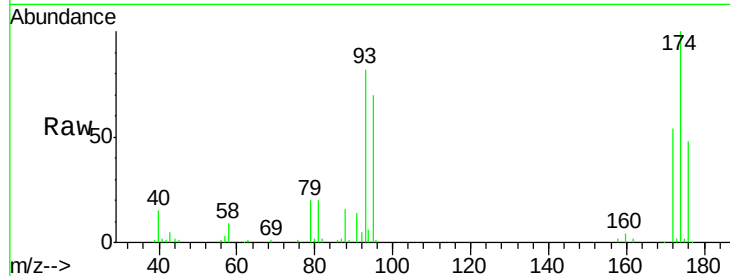




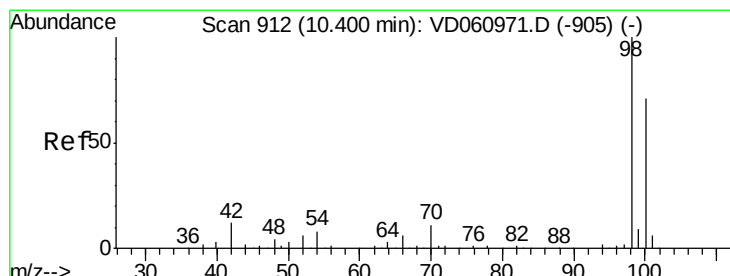
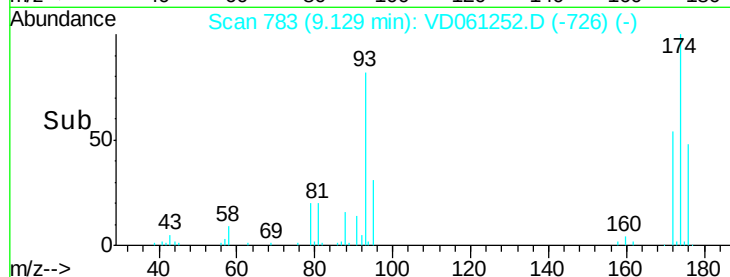
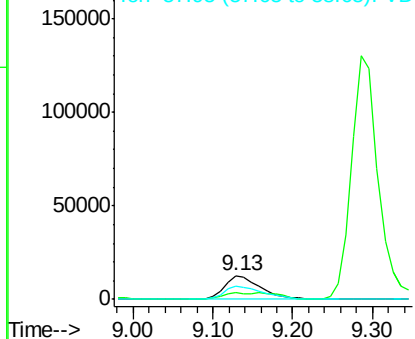
#49
1,4-Dioxane
Concen: 1050.739 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 39625
Ion Ratio Lower Upper
88 100
43 28.5 21.0 31.6
58 55.0 48.6 72.8

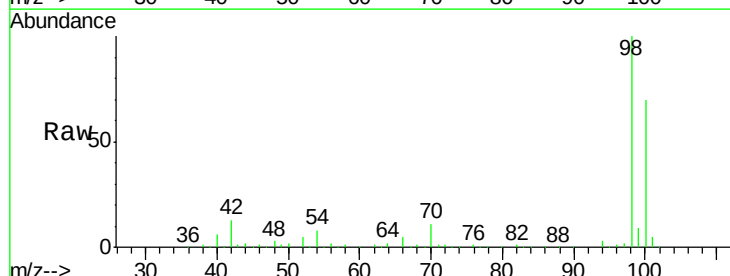


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

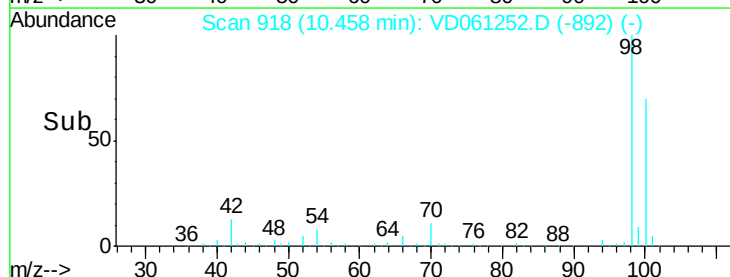
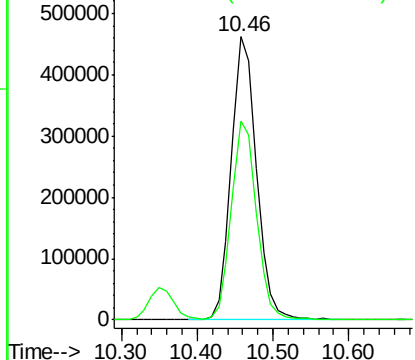


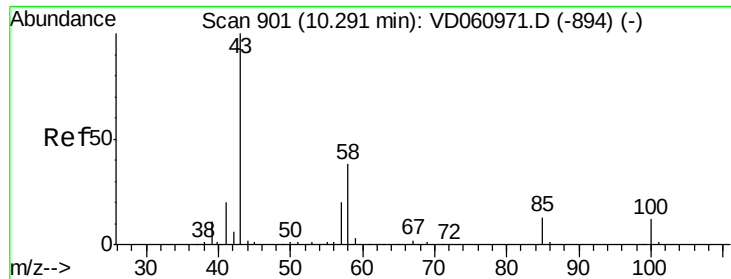
#50
Toluene-d8
Concen: 1050.739 ug/l
RT: 10.46 min Scan# 918
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 98 Resp: 1062190
Ion Ratio Lower Upper
98 100
100 70.4 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 232.482 ug/l

RT: 10.35 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

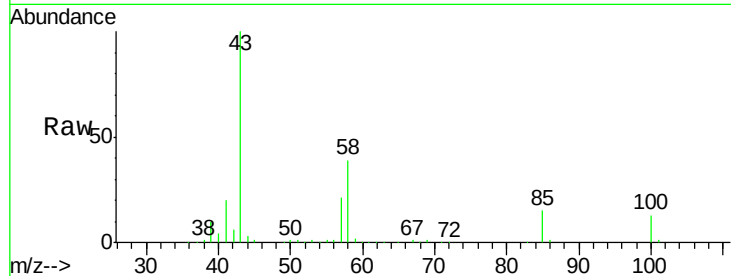
VSTDCCC050

Tot Ion: 43 Resp: 943399

Ion Ratio Lower Upper

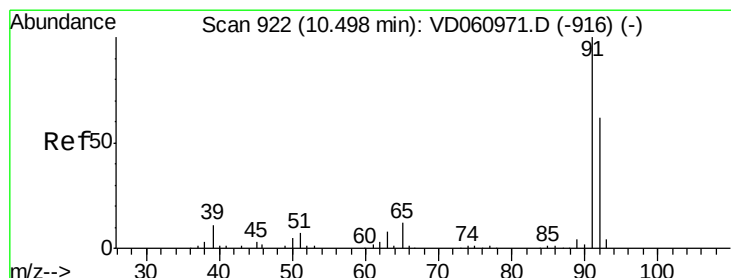
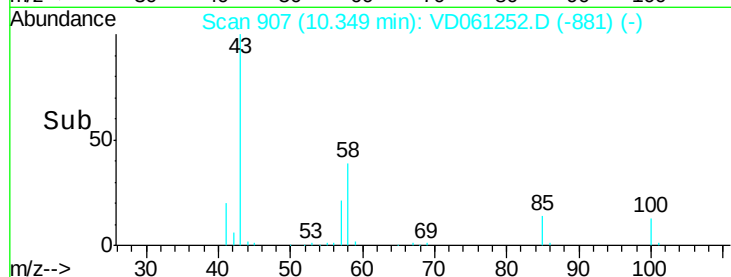
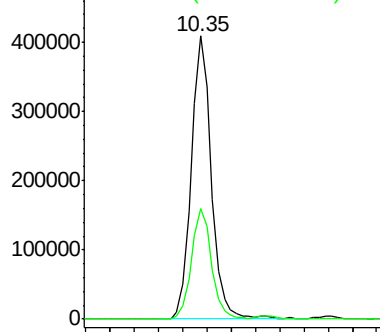
43 100

58 39.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.006 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061252.D

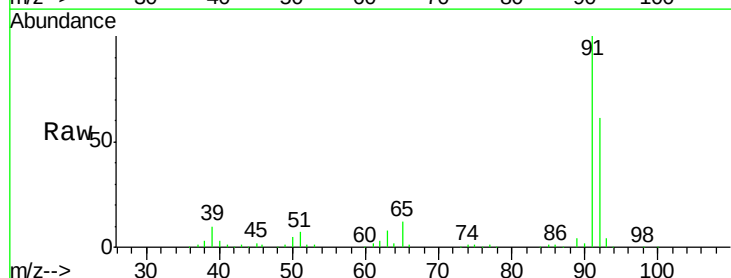
Acq: 22 Mar 2019 10:49

Tgt Ion: 92 Resp: 712684

Ion Ratio Lower Upper

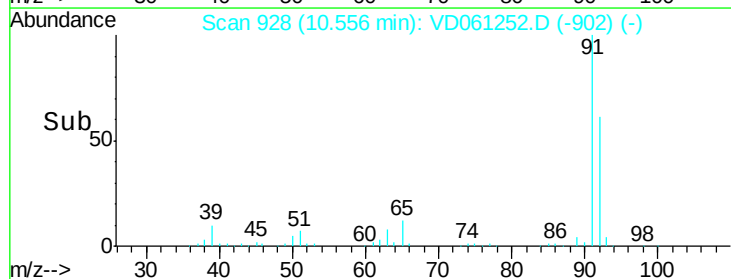
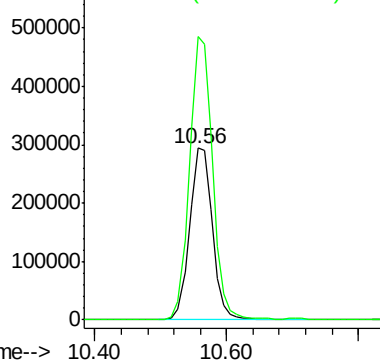
92 100

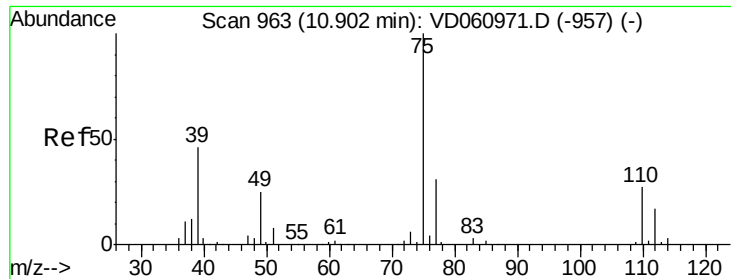
91 165.1 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

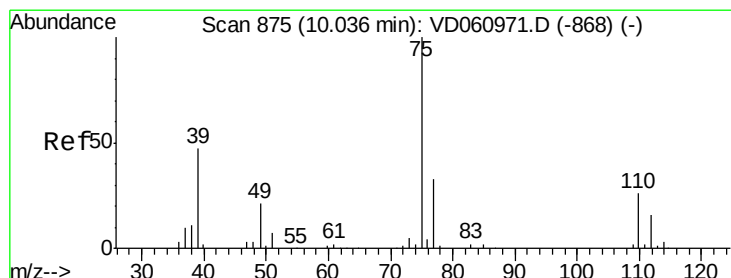
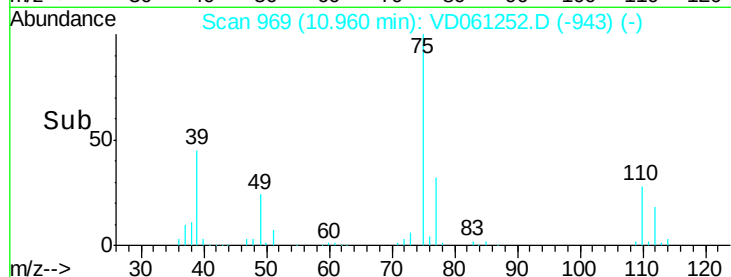
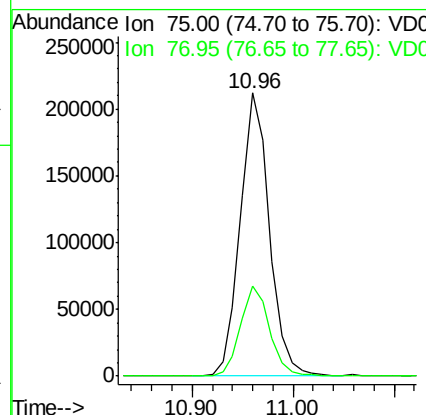
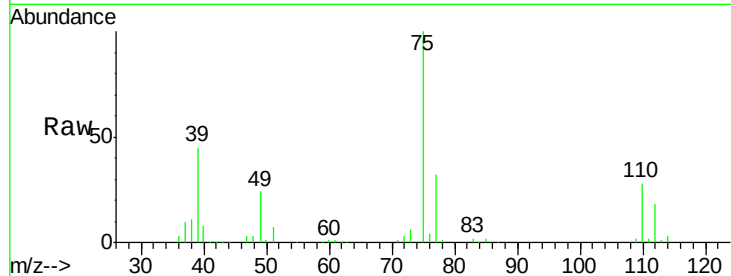




#53
 t-1,3-Dichloropropene
 Concen: 48.740 ug/l
 RT: 10.96 min Scan# 969
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

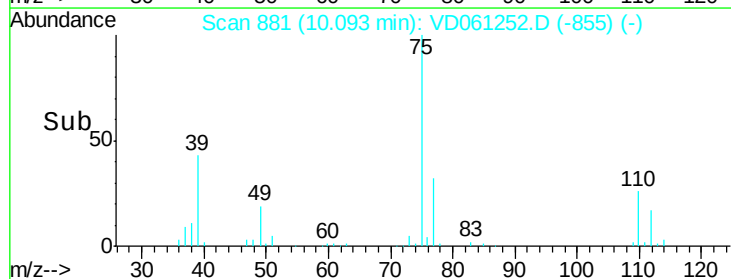
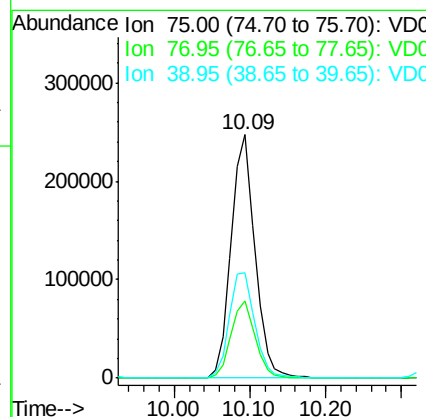
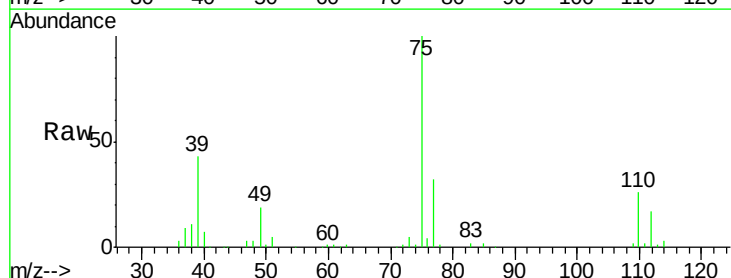
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

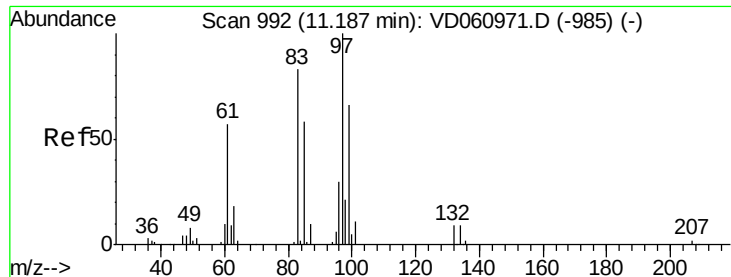
Tot Ion: 75 Resp: 426812
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 51.386 ug/l
 RT: 10.09 min Scan# 881
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 540659
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.4
 39 43.5 37.8 56.8



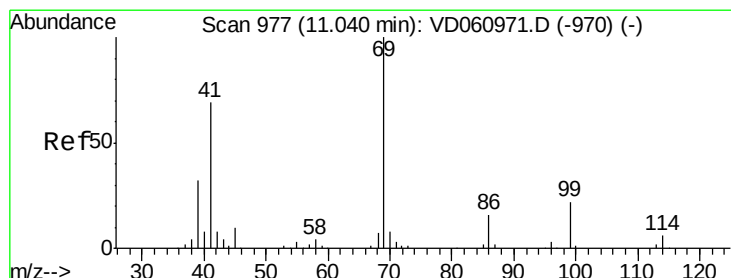
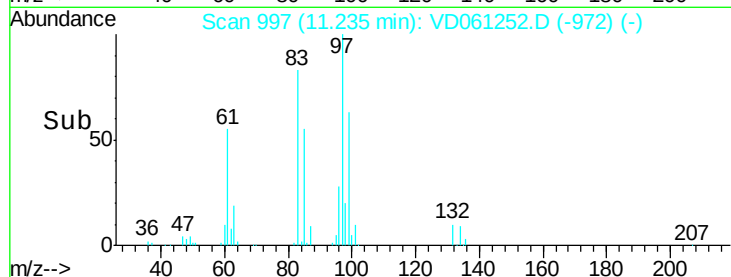
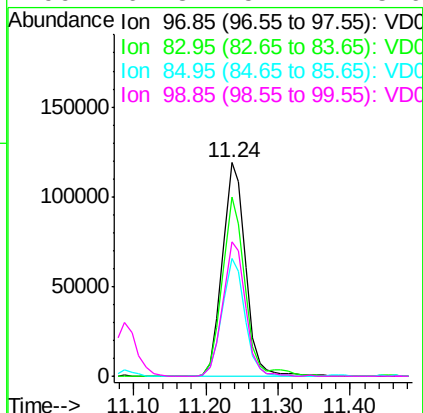
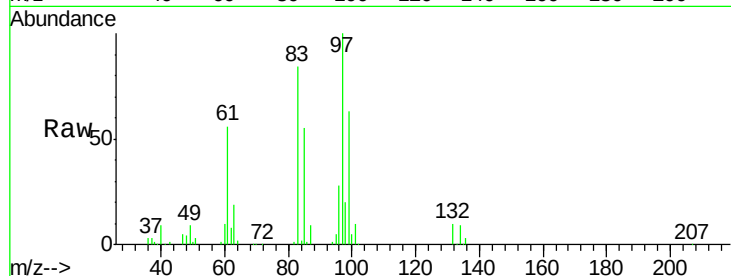


#55
 1,1,2-Trichloroethane
 Concen: 49.833 ug/l
 RT: 11.24 min Scan# 997
 Delta R.T. 0.05 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 262797

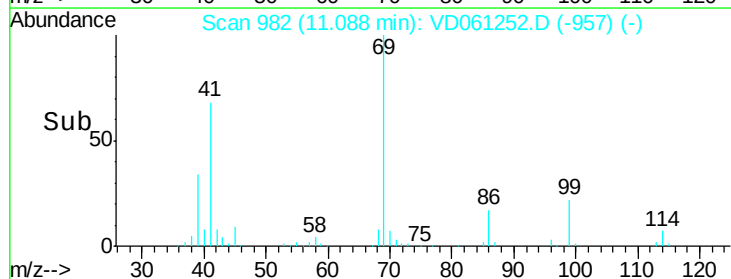
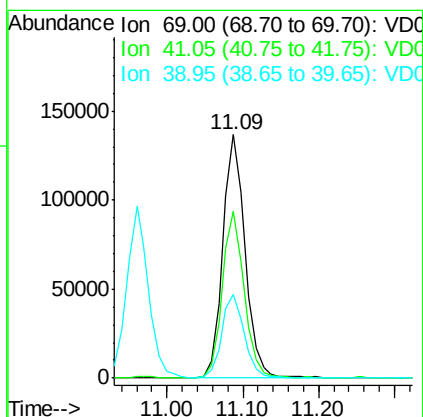
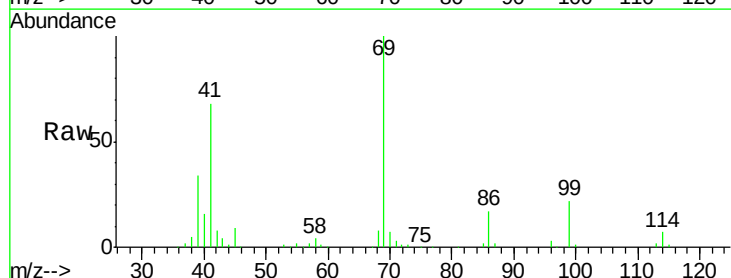
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	55.1	46.4	69.6
99	62.8	52.4	78.6

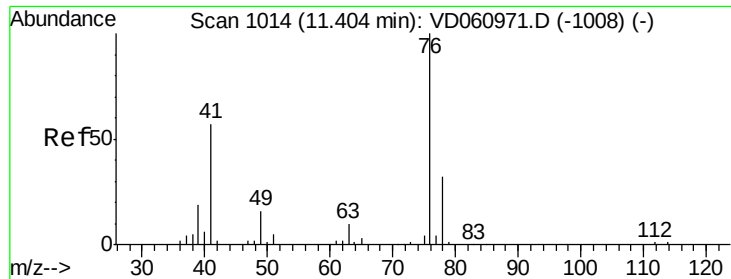


#56
 Ethyl methacrylate
 Concen: 50.572 ug/l
 RT: 11.09 min Scan# 982
 Delta R.T. 0.05 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 69 Resp: 279152

Ion	Ratio	Lower	Upper
69	100		
41	68.3	55.5	83.3
39	34.5	26.2	39.2

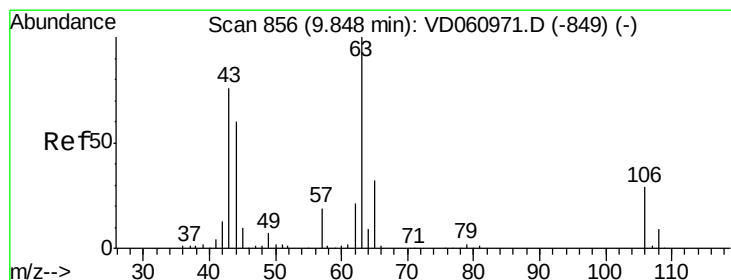
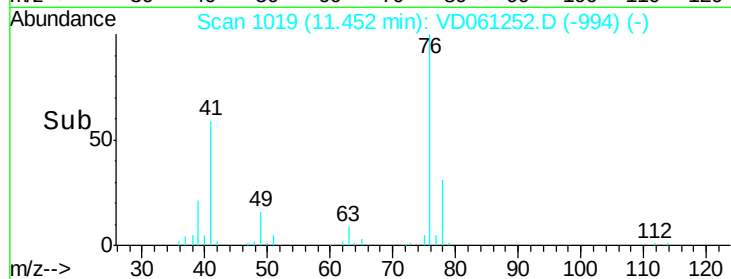
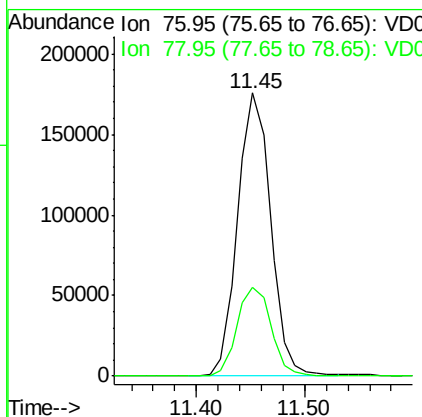
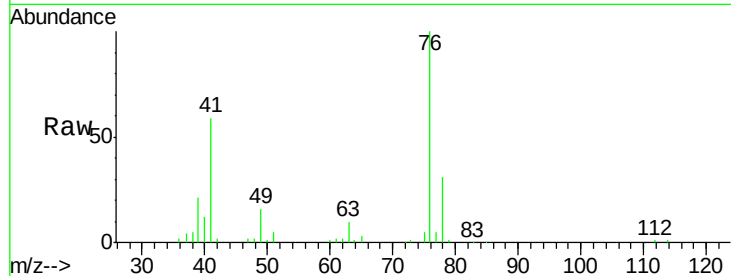




#57
 1,3-Dichloropropane
 Concen: 47.593 ug/l
 RT: 11.45 min Scan# 1019
 Delta R.T. 0.05 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

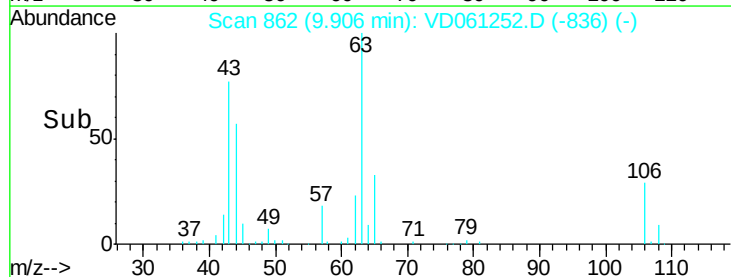
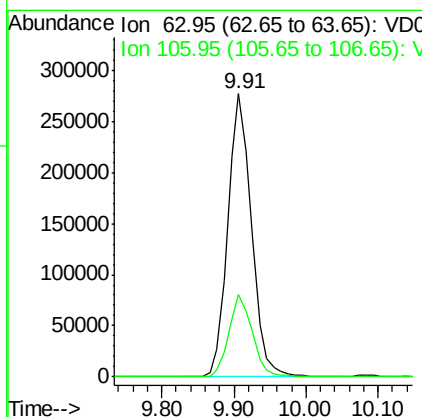
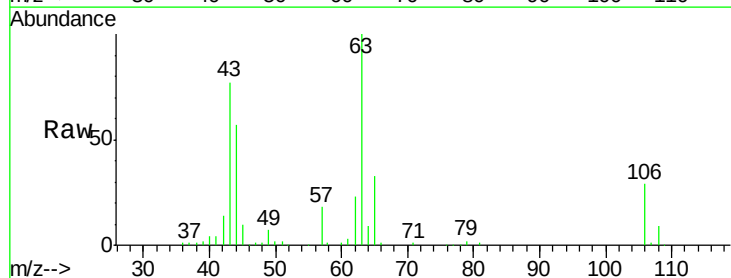
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

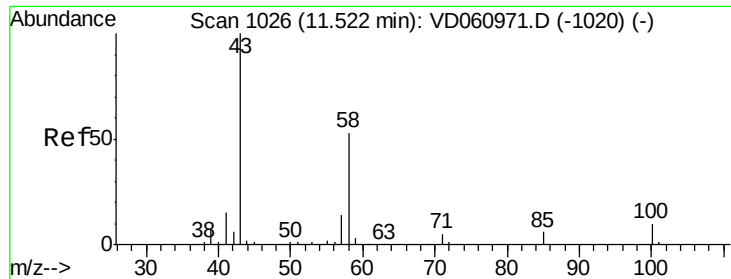
Tot Ion: 76 Resp: 375069
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.268 ug/l
 RT: 9.91 min Scan# 862
 Delta R.T. 0.06 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 63 Resp: 631890
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.8 34.2





#59

2-Hexanone

Concen: 250.594 ug/l

RT: 11.57 min Scan# 1031

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

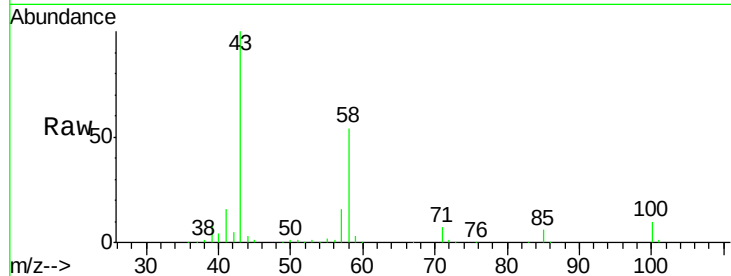
VSTDCCC050

Tot Ion: 43 Resp: 743852

Ion Ratio Lower Upper

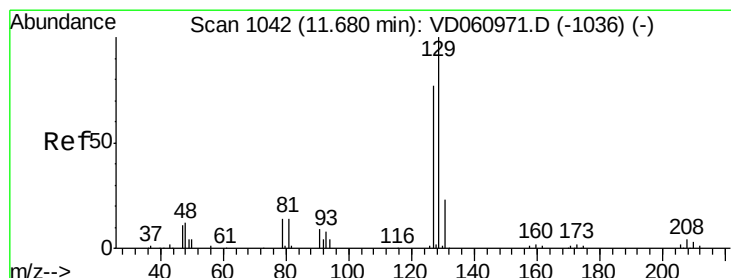
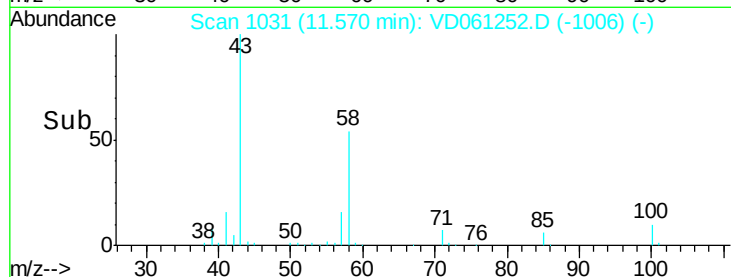
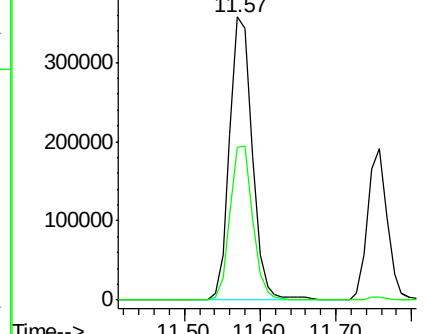
43 100

58 54.2 26.5 79.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 48.928 ug/l

RT: 11.73 min Scan# 1047

Delta R.T. 0.05 min

Lab File: VD061252.D

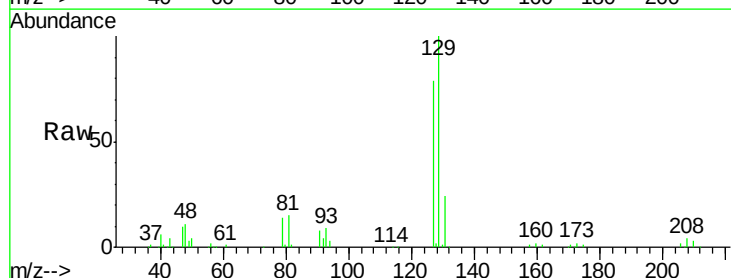
Acq: 22 Mar 2019 10:49

Tgt Ion: 129 Resp: 379734

Ion Ratio Lower Upper

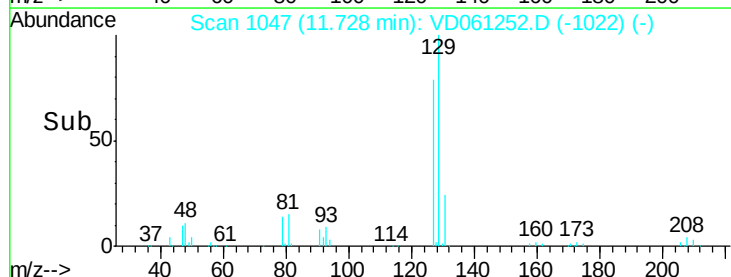
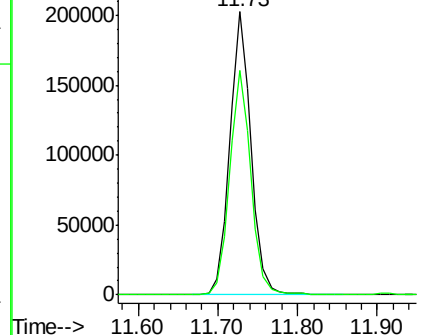
129 100

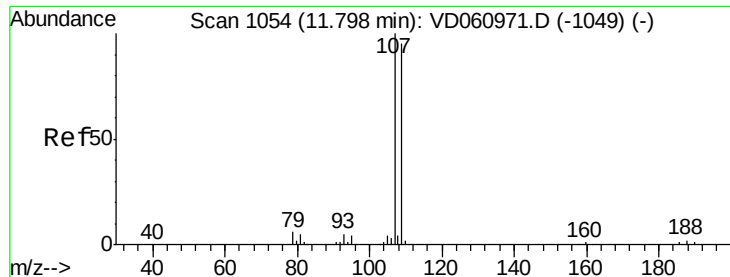
127 79.2 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

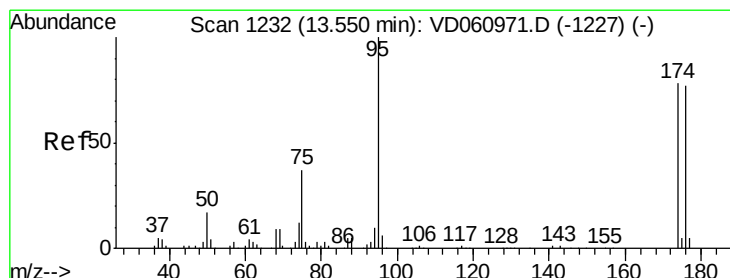
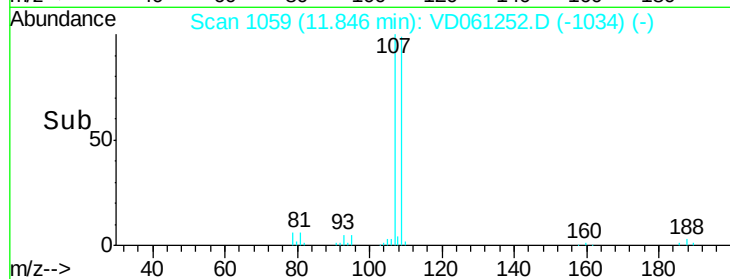
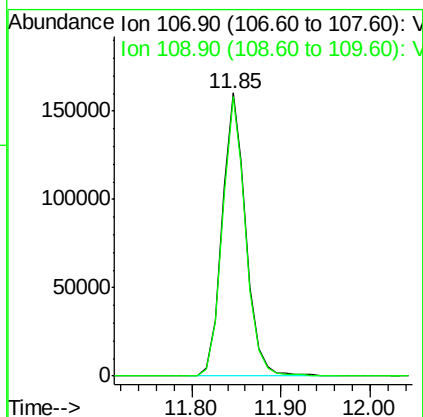
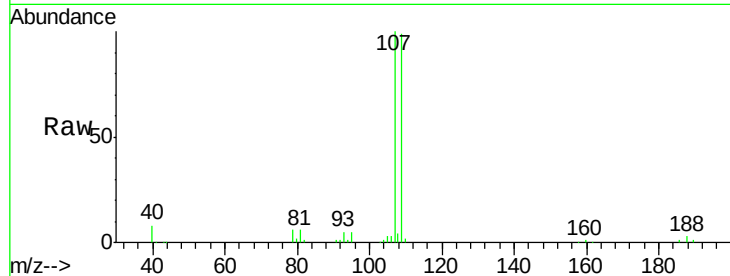




#61
 1,2-Dibromoethane
 Concen: 48.587 ug/l
 RT: 11.85 min Scan# 1059
 Delta R.T. 0.05 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

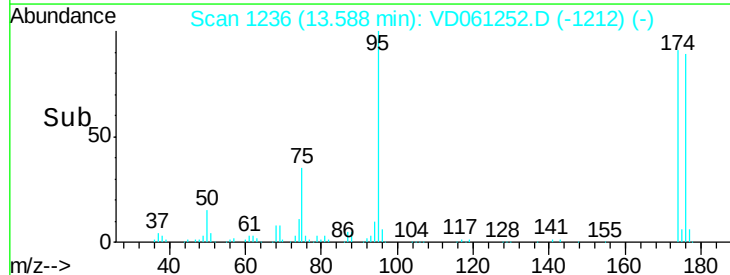
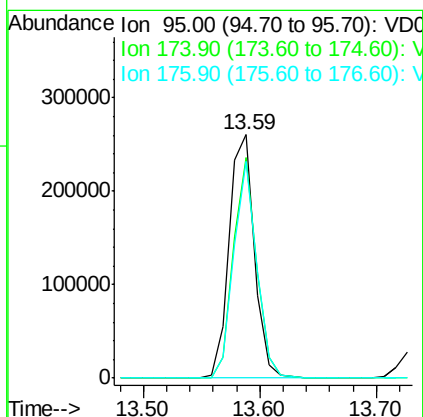
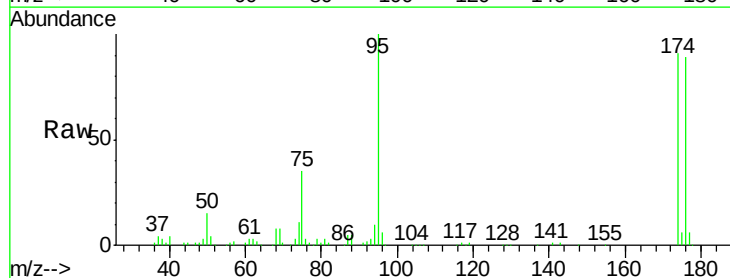
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

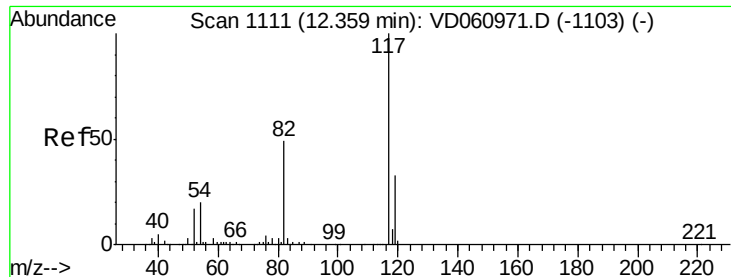
Tot Ion:107 Resp: 298064
 Ion Ratio Lower Upper
 107 100
 109 98.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.587 ug/l
 RT: 13.59 min Scan# 1236
 Delta R.T. 0.04 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 95 Resp: 391704
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 155.6
 176 89.0 0.0 153.8

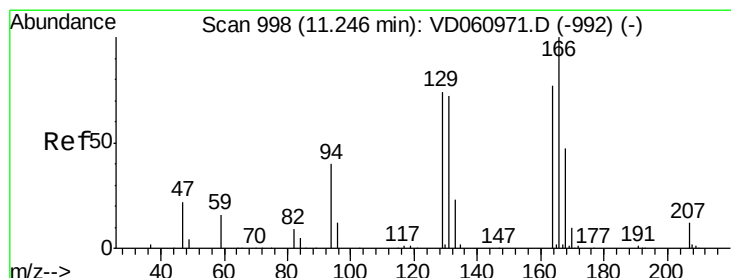
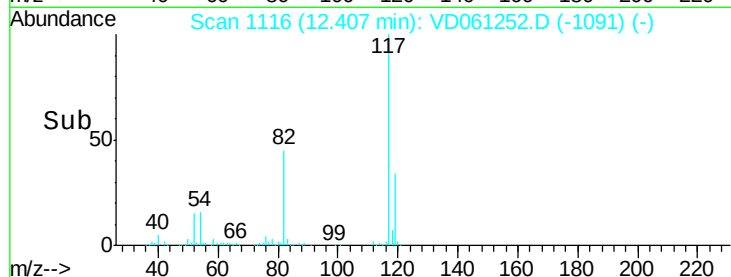
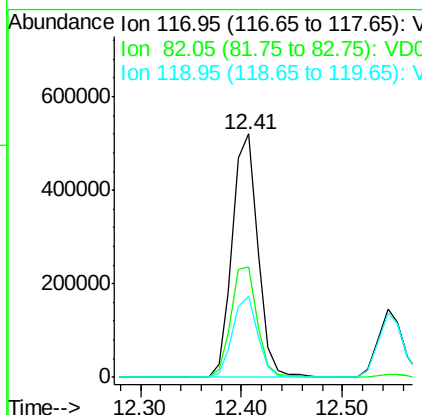
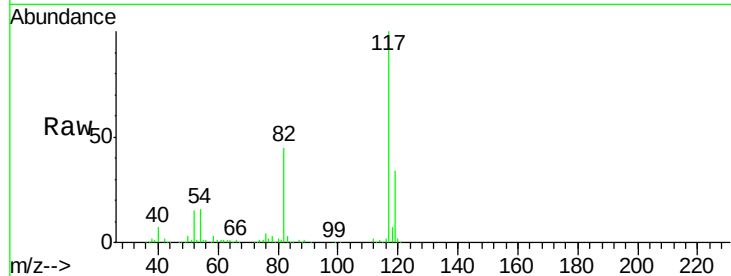




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.05 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

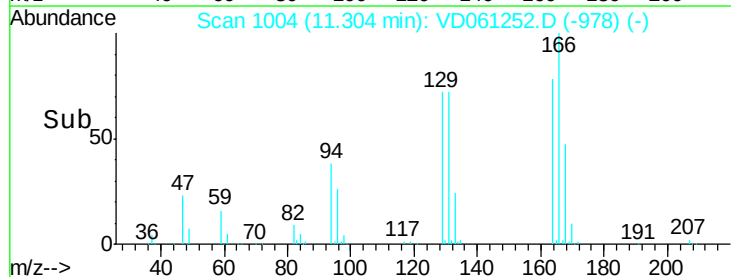
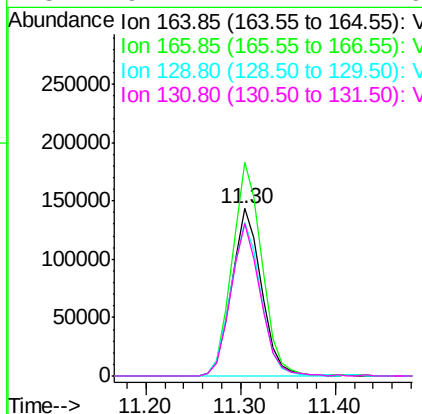
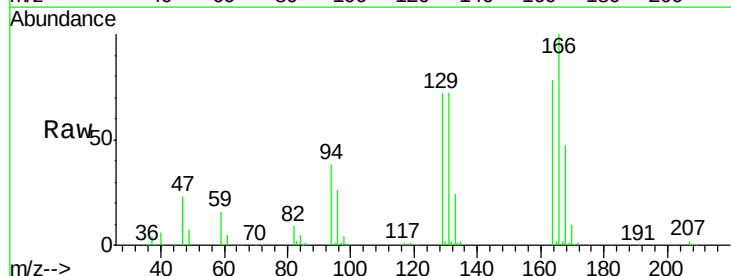
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

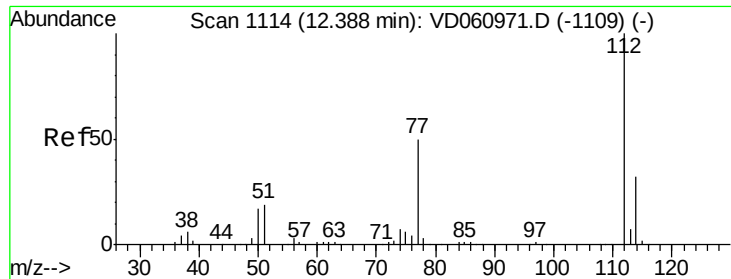
Tot Ion:117 Resp: 916061
Ion Ratio Lower Upper
117 100
82 45.4 38.9 58.3
119 33.5 26.6 39.8



#64
Tetrachloroethene
Concen: 50.514 ug/l
RT: 11.30 min Scan# 1004
Delta R.T. 0.06 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion:164 Resp: 312368
Ion Ratio Lower Upper
164 100
166 127.4 103.4 155.0
129 91.4 76.9 115.3
131 91.1 74.4 111.6





#65

Chlorobenzene

Concen: 50.095 ug/l

RT: 12.44 min Scan# 1119

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

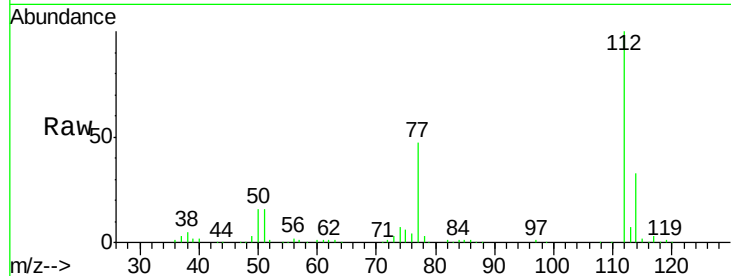
VSTDCCC050

Tot Ion:112 Resp: 899631

Ion Ratio Lower Upper

112 100

114 33.1 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.44

500000

400000

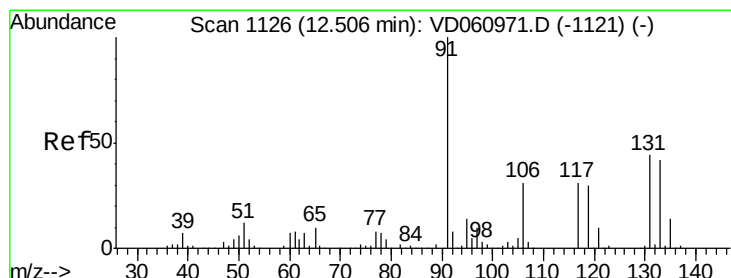
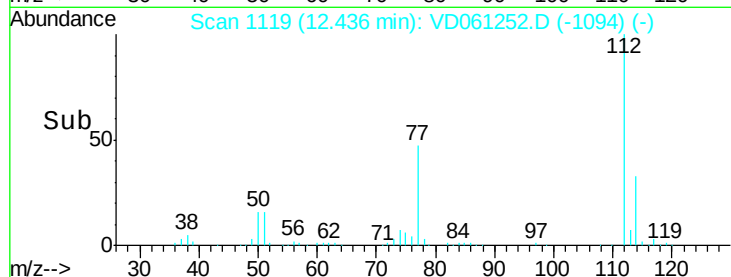
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 54.610 ug/l

RT: 12.54 min Scan# 1130

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

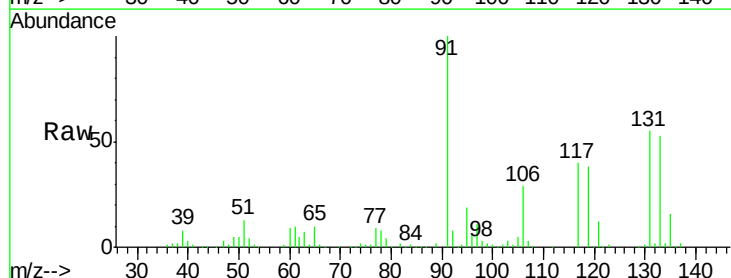
Tgt Ion:131 Resp: 349579

Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

119 68.1 34.3 102.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.54

250000

200000

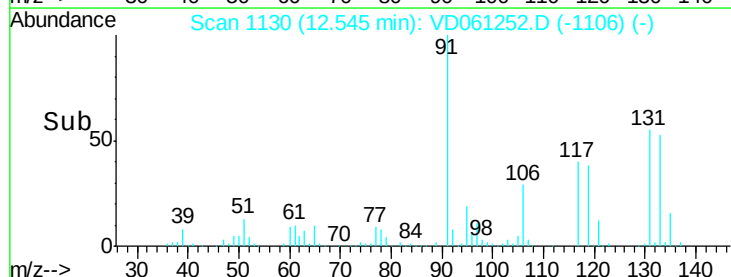
150000

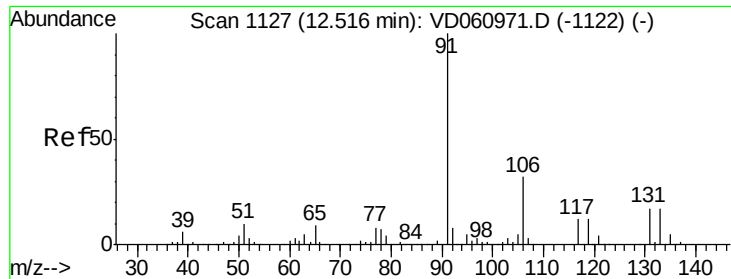
100000

50000

0

Time--> 12.50 12.60

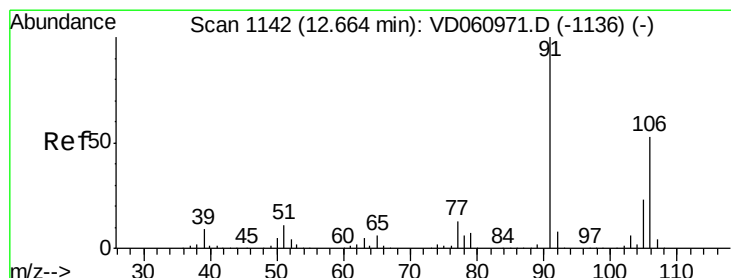
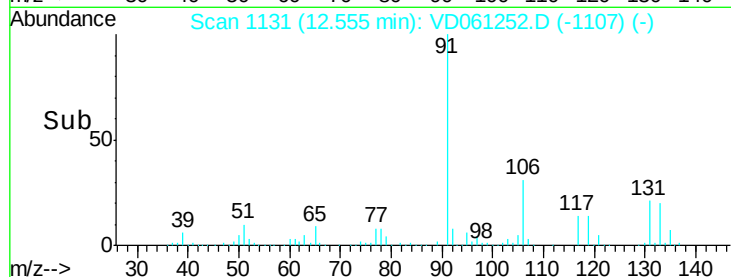
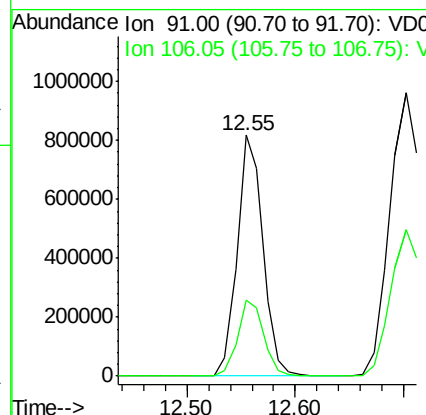
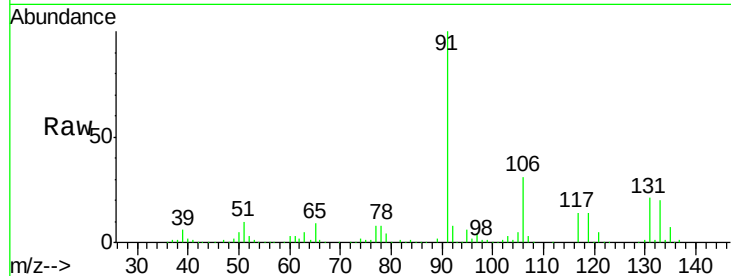




#67
Ethyl Benzene
Concen: 50.705 ug/l
RT: 12.55 min Scan# 1131
Delta R.T. 0.04 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

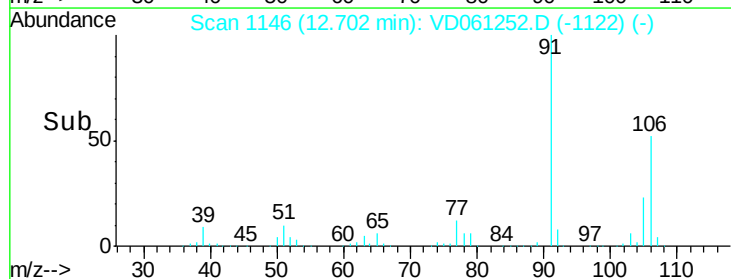
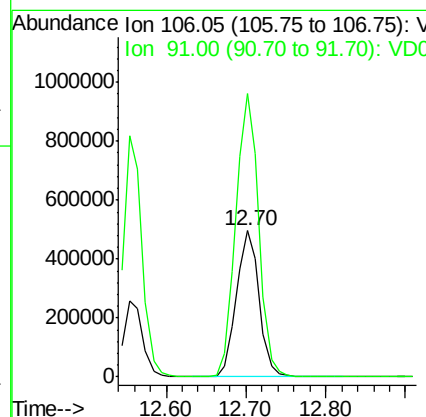
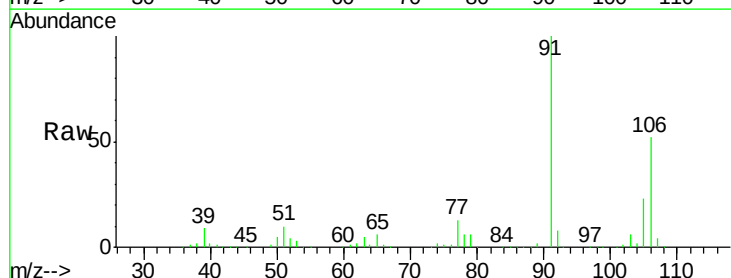
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

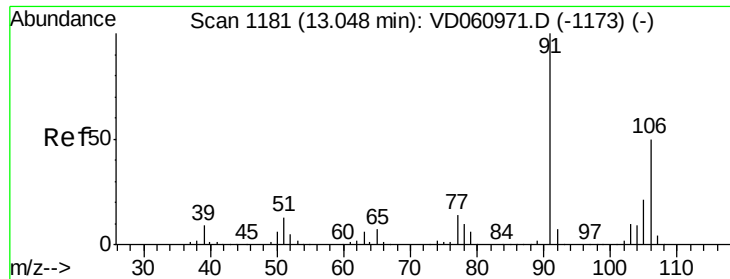
Tot Ion: 91 Resp: 1355661
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 94.206 ug/l
RT: 12.70 min Scan# 1146
Delta R.T. 0.04 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 106 Resp: 988567
Ion Ratio Lower Upper
106 100
91 193.5 152.0 228.0

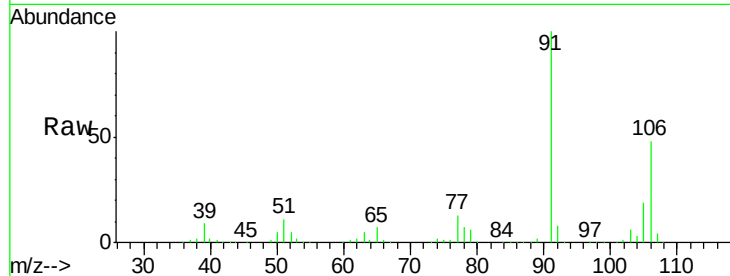




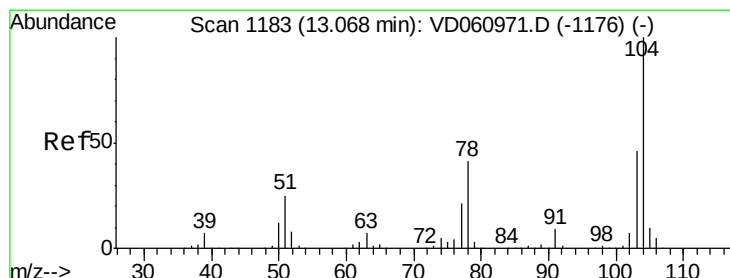
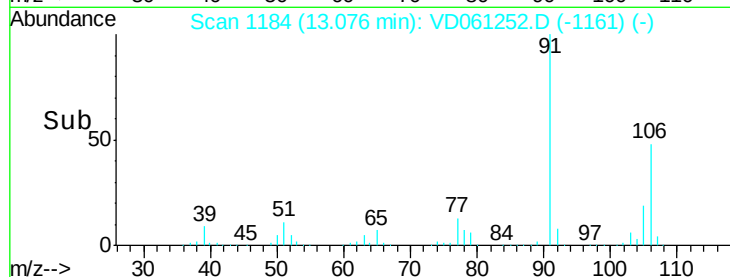
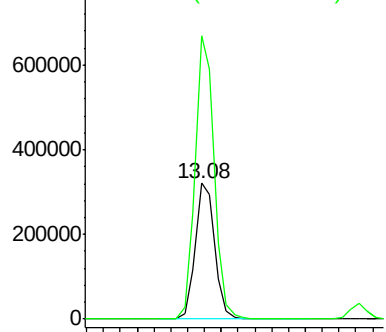
#69
o-Xylene
Concen: 49.791 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 513589
Ion Ratio Lower Upper
106 100
91 208.6 99.8 299.3

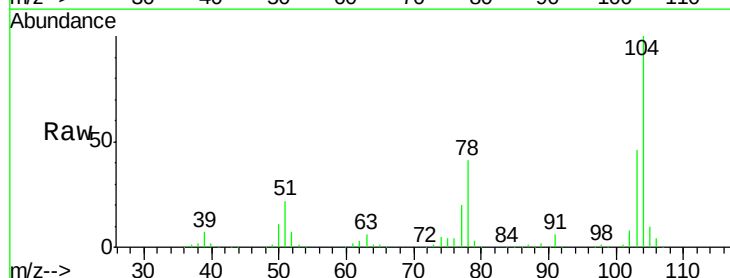


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

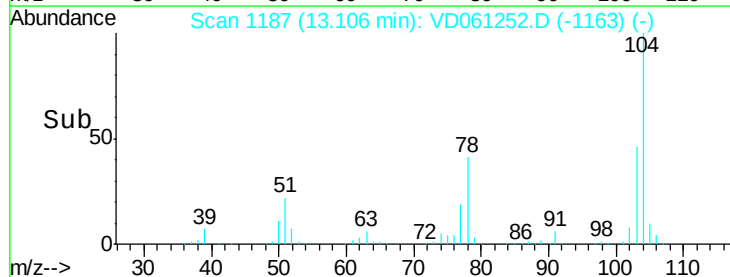
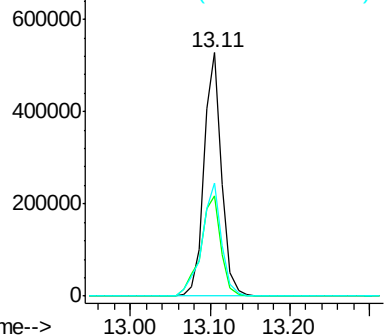


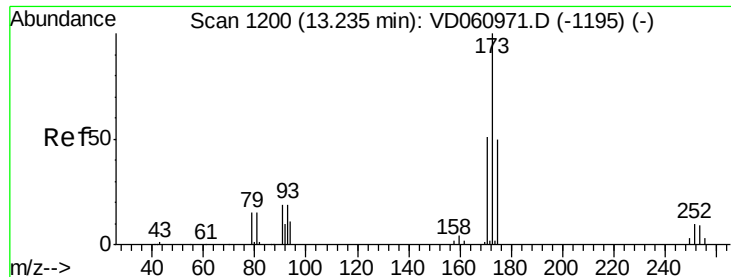
#70
Styrene
Concen: 48.231 ug/l
RT: 13.11 min Scan# 1187
Delta R.T. 0.04 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion:104 Resp: 812375
Ion Ratio Lower Upper
104 100
78 40.9 33.0 49.4
103 46.2 37.1 55.7



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





#71

Bromoform

Concen: 54.200 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

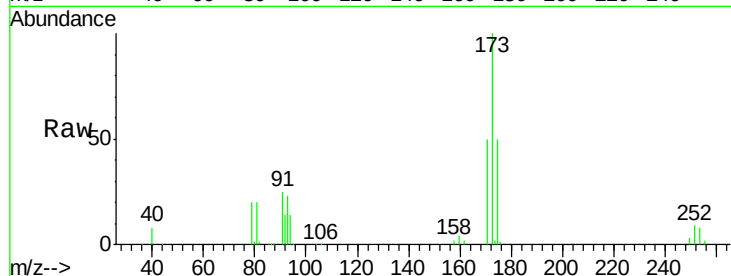
Tot Ion:173 Resp: 223825

Ion Ratio Lower Upper

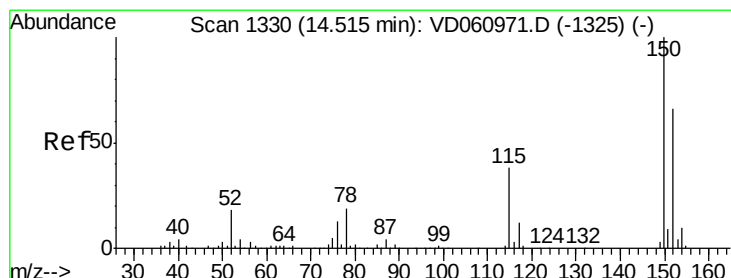
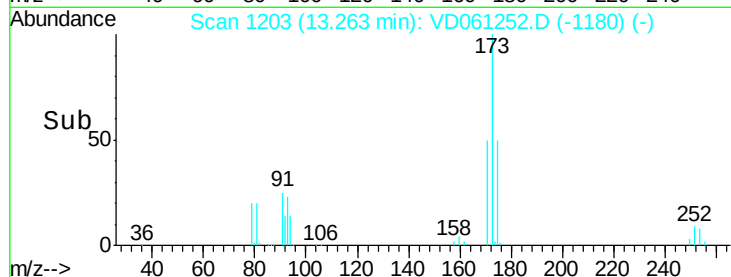
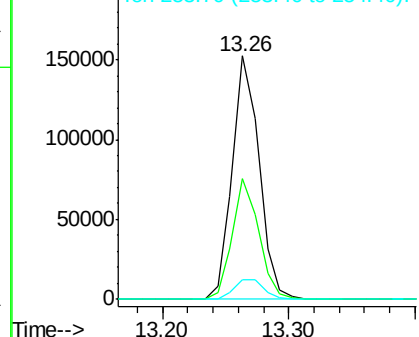
173 100

175 49.8 24.9 74.8

254 7.9 7.3 10.9



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: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

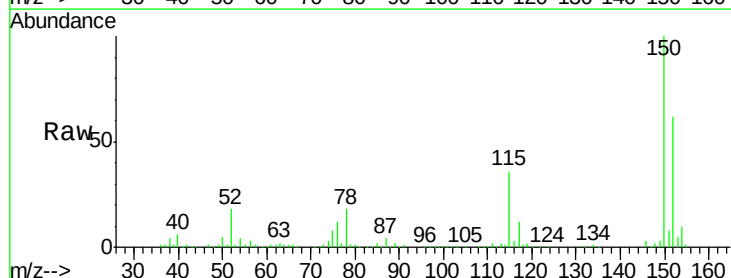
Tgt Ion:152 Resp: 413743

Ion Ratio Lower Upper

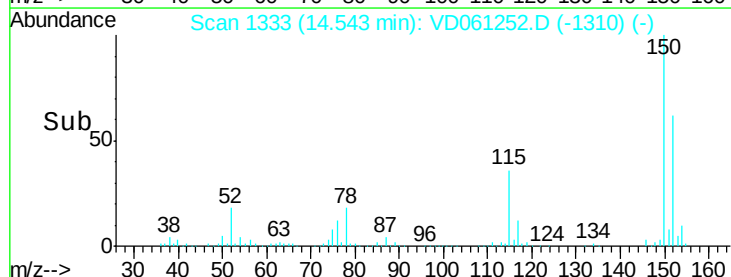
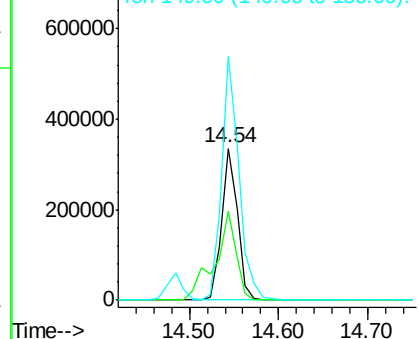
152 100

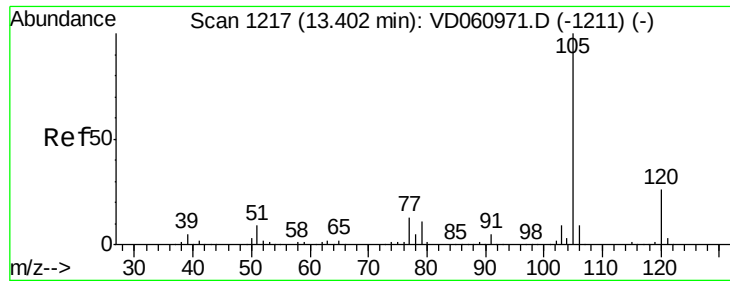
115 58.5 28.6 85.9

150 160.8 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.545 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

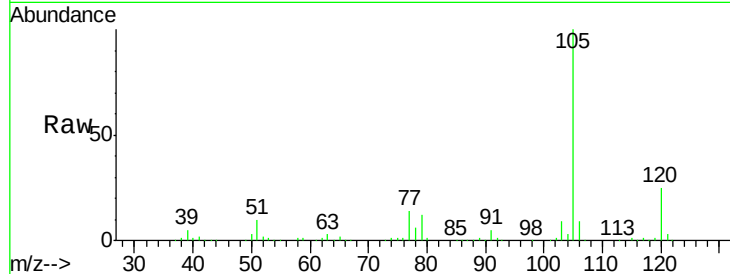
VSTDCCC050

Tot Ion:105 Resp: 1328229

Ion Ratio Lower Upper

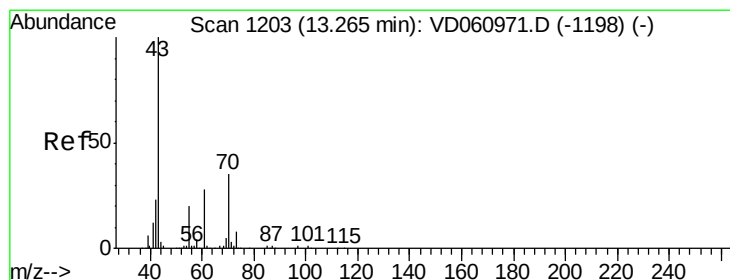
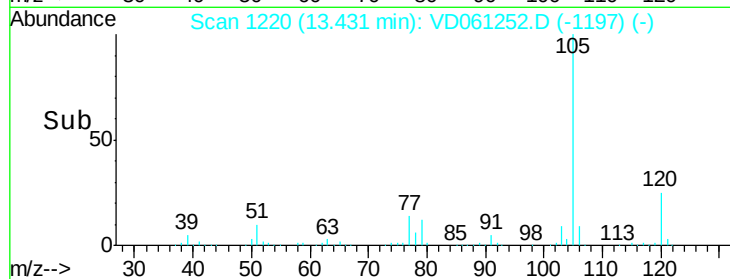
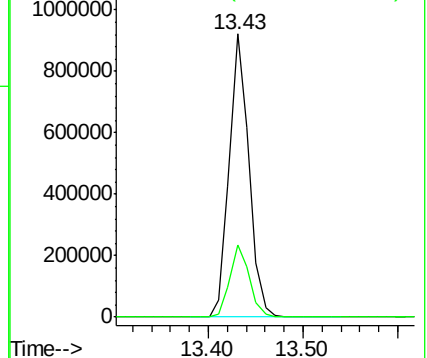
105 100

120 25.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.517 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Tgt Ion: 43 Resp: 382154

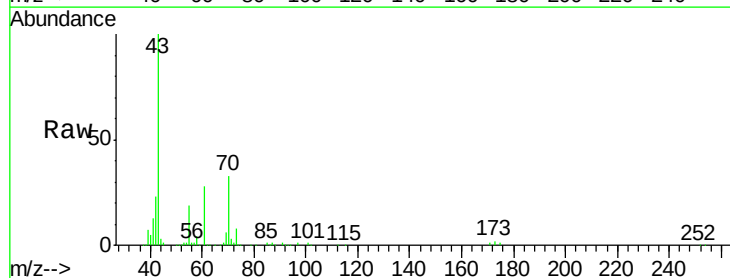
Ion Ratio Lower Upper

43 100

70 32.7 27.7 41.5

55 18.9 16.2 24.2

61 27.9 22.3 33.5

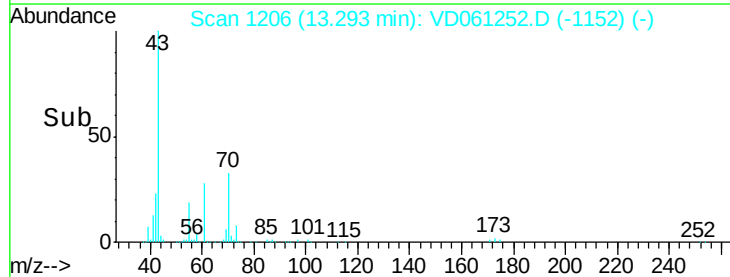
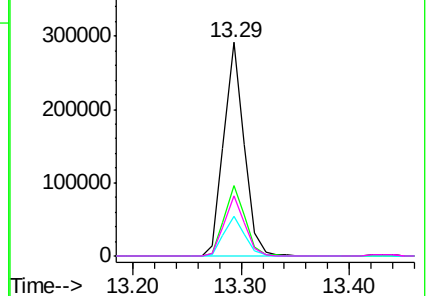


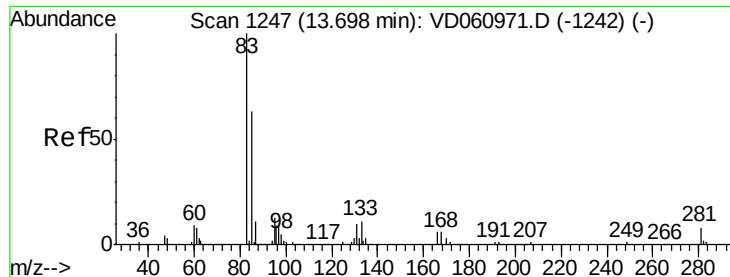
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.911 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

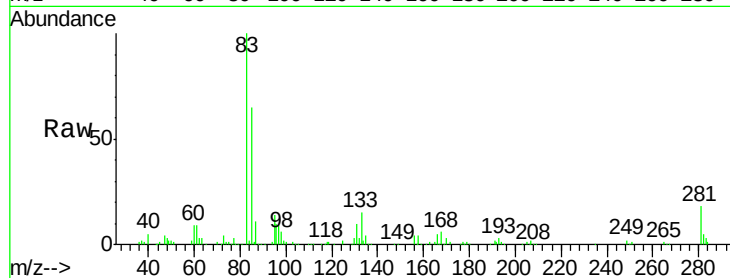
Tot Ion: 83 Resp: 278726

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

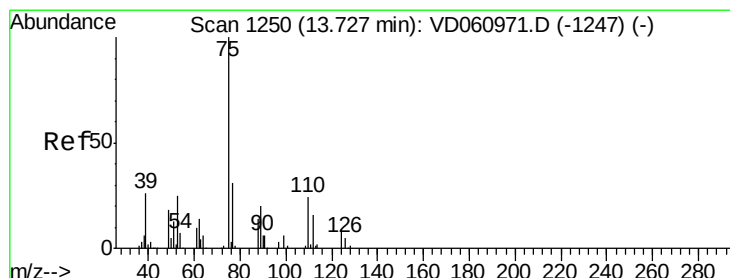
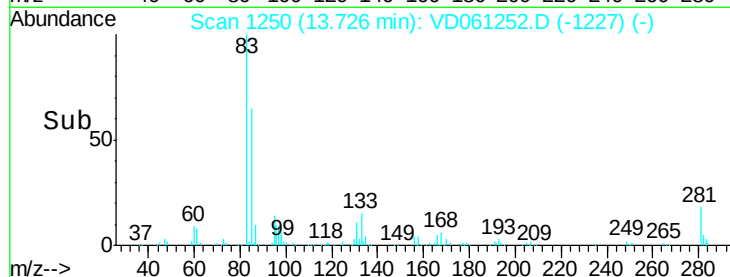
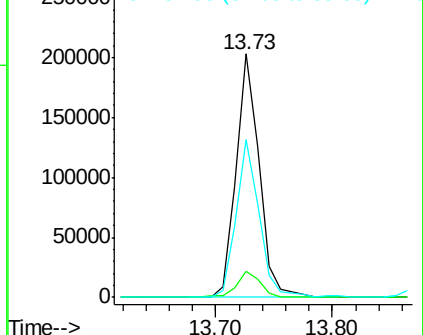
85 65.0 31.5 94.5



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: 48.518 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.03 min

Lab File: VD061252.D

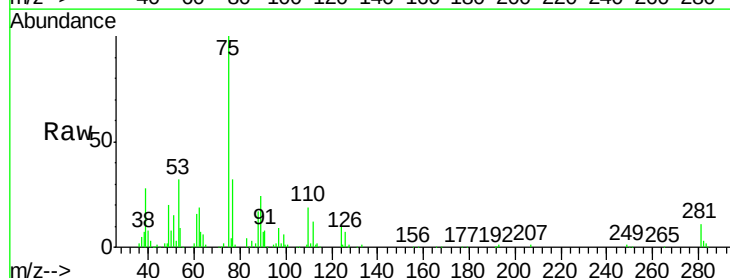
Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 288802

Ion Ratio Lower Upper

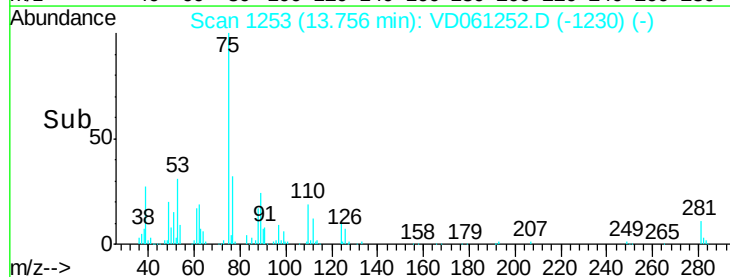
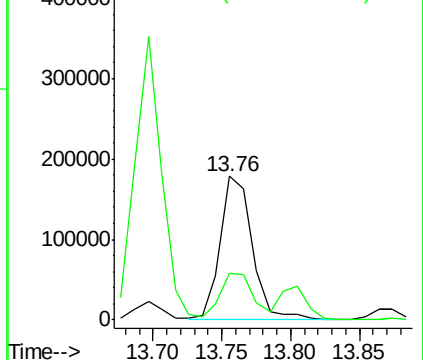
75 100

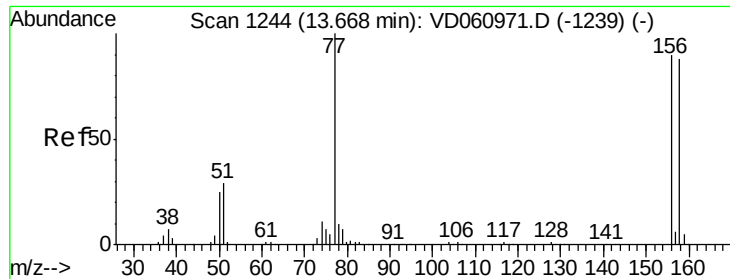
77 32.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.522 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

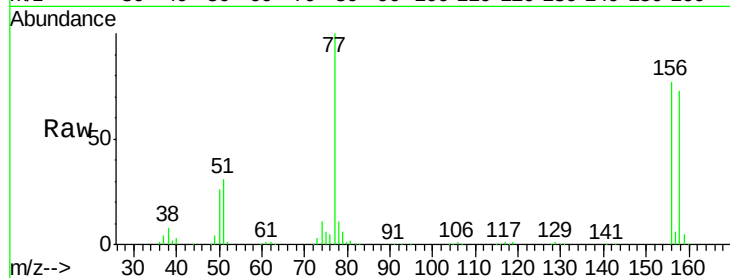
Tot Ion:156 Resp: 384553

Ion Ratio Lower Upper

156 100

77 129.8 55.5 166.7

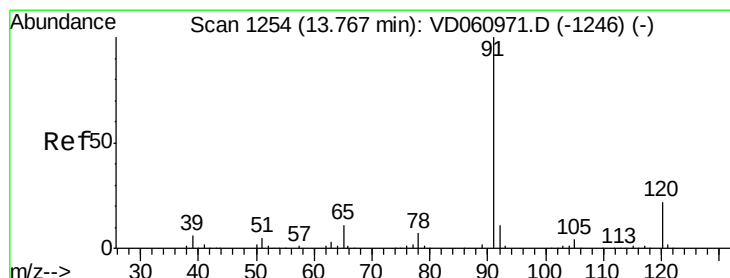
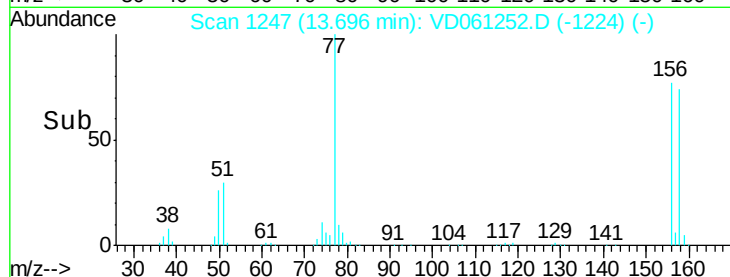
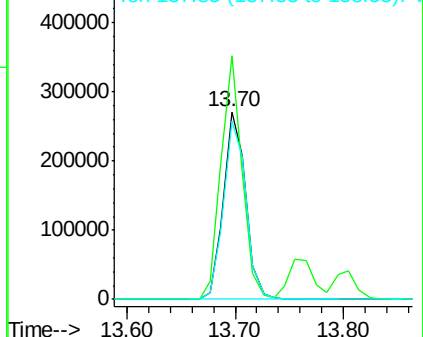
158 95.3 49.0 147.0



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: 46.104 ug/l

RT: 13.80 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VD061252.D

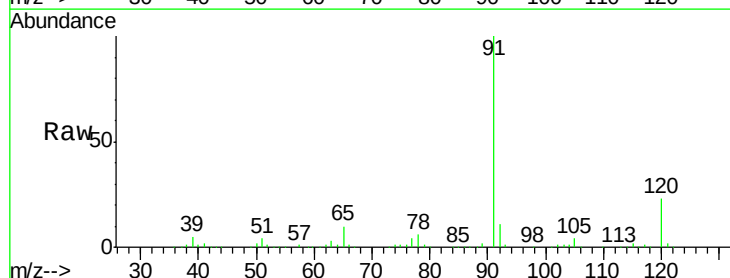
Acq: 22 Mar 2019 10:49

Tgt Ion: 91 Resp: 1609353

Ion Ratio Lower Upper

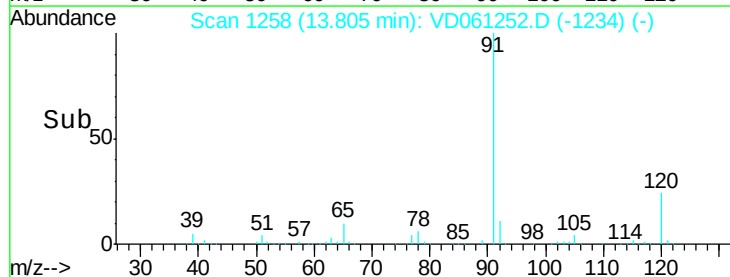
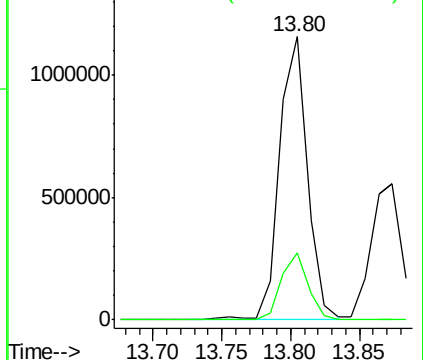
91 100

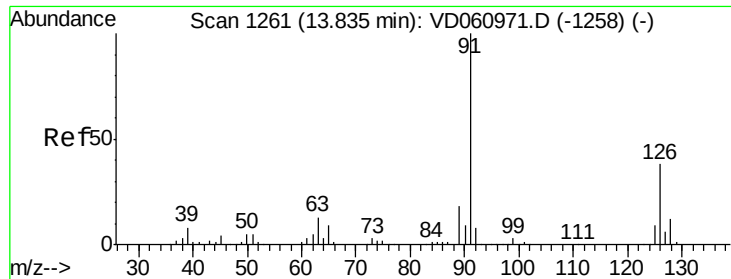
120 23.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.663 ug/l

RT: 13.87 min Scan# 1265

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA_D

ClientSampleId :

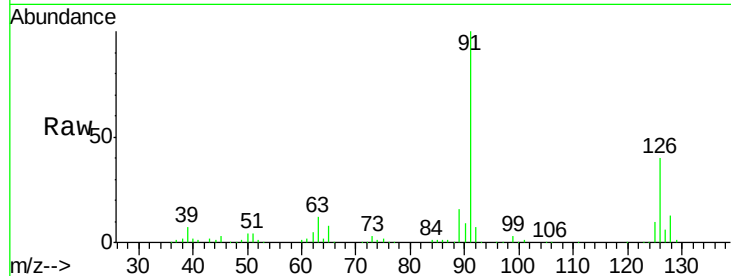
VSTDCCC050

Tot Ion: 91 Resp: 839107

Ion Ratio Lower Upper

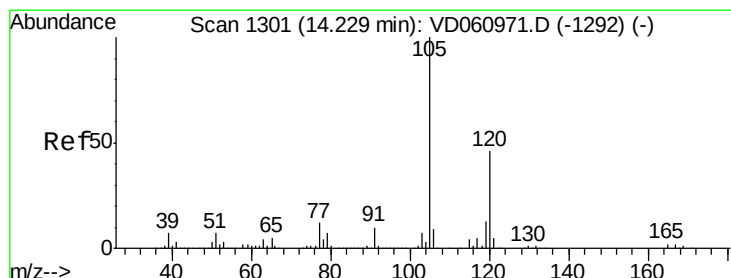
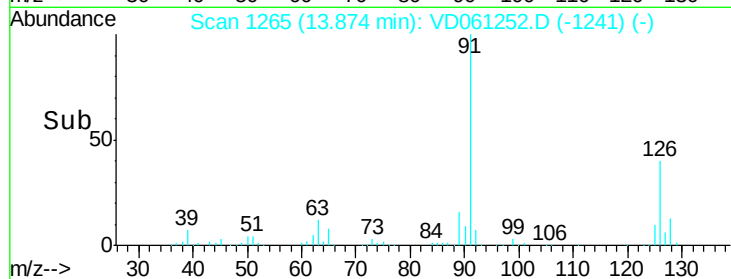
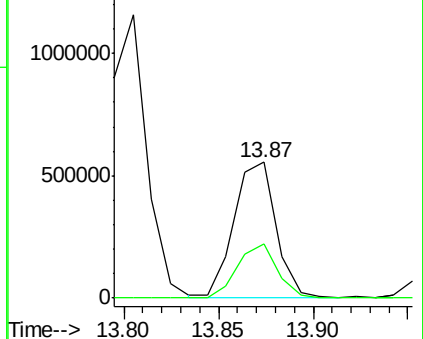
91 100

126 40.0 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.947 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.04 min

Lab File: VD061252.D

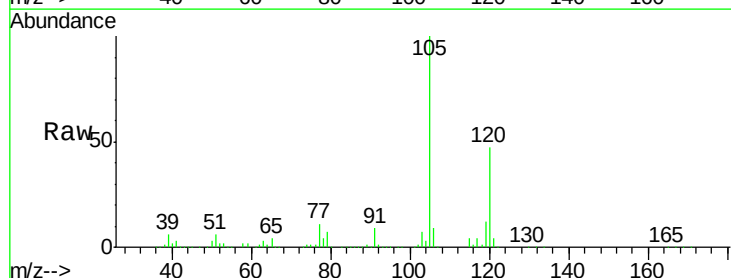
Acq: 22 Mar 2019 10:49

Tgt Ion: 105 Resp: 1040076

Ion Ratio Lower Upper

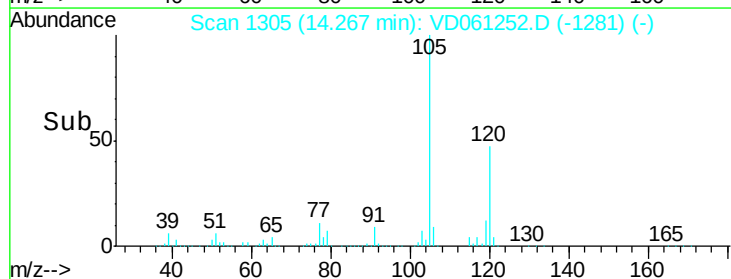
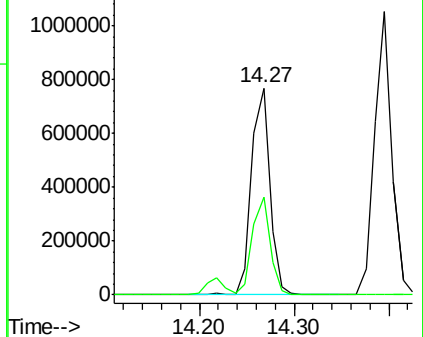
105 100

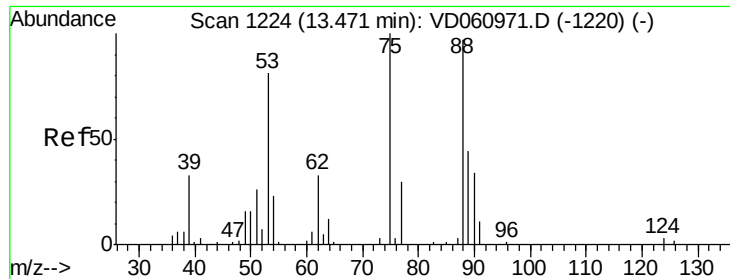
120 47.1 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

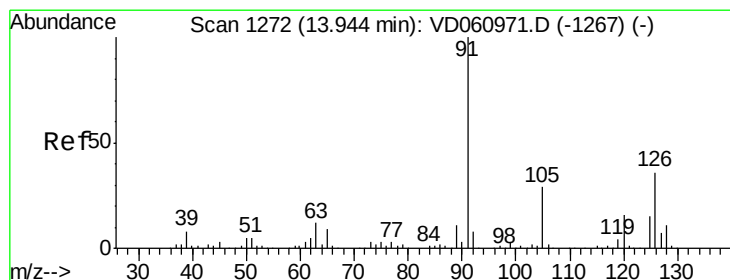
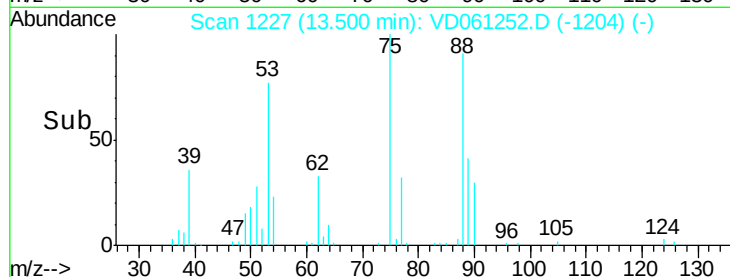
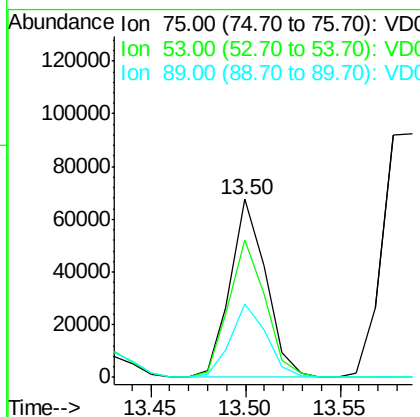
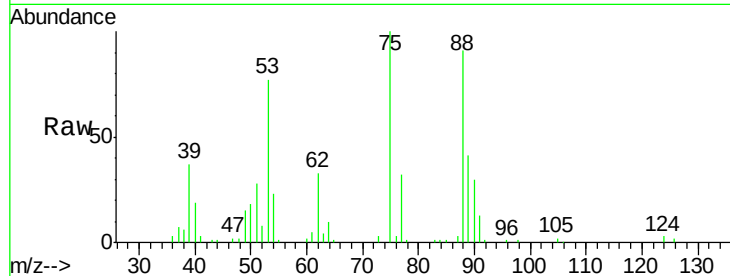




#81
trans-1,4-Dichloro-2-butene
Concen: 50.607 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

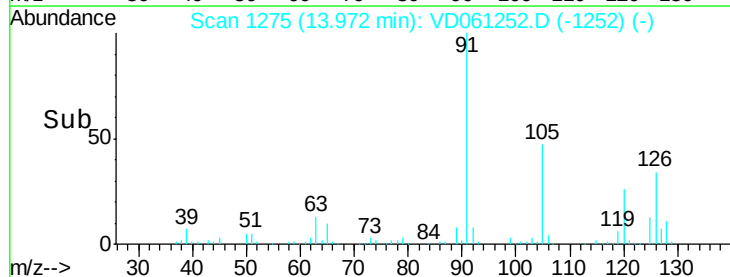
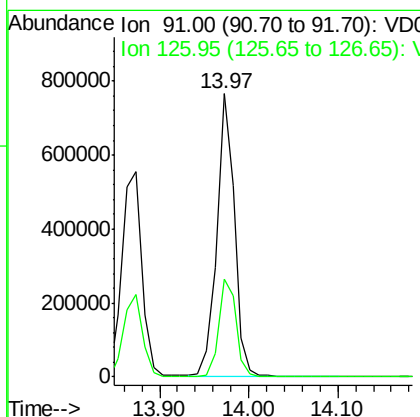
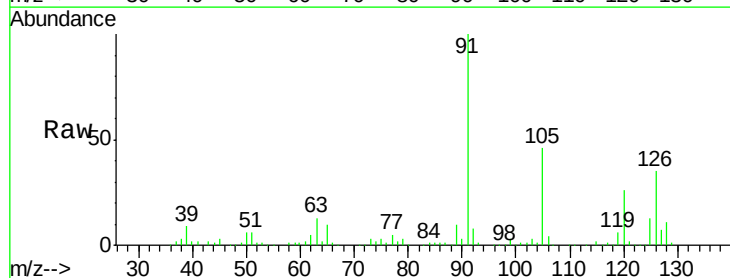
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

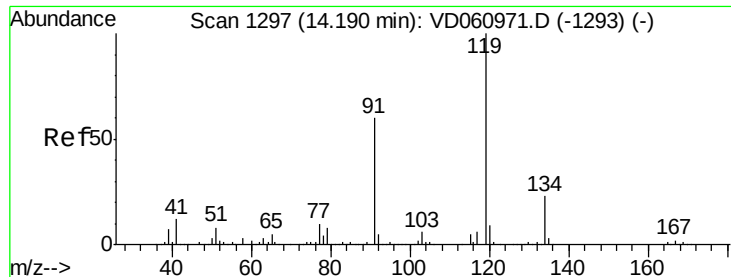
Tot Ion: 75 Resp: 88810
Ion Ratio Lower Upper
75 100
53 77.1 64.4 96.6
89 41.3 34.8 52.2



#82
4-Chlorotoluene
Concen: 46.393 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 91 Resp: 1054014
Ion Ratio Lower Upper
91 100
126 34.5 18.0 54.0

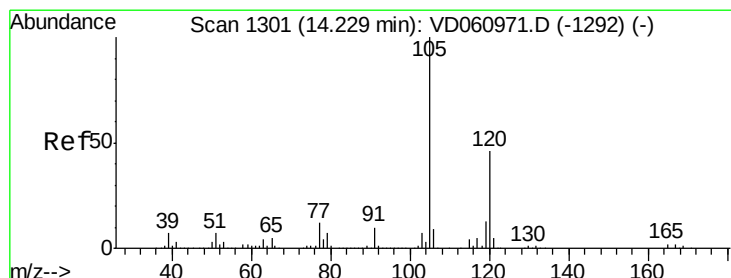
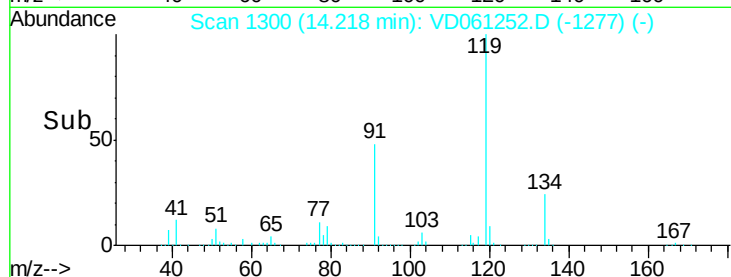
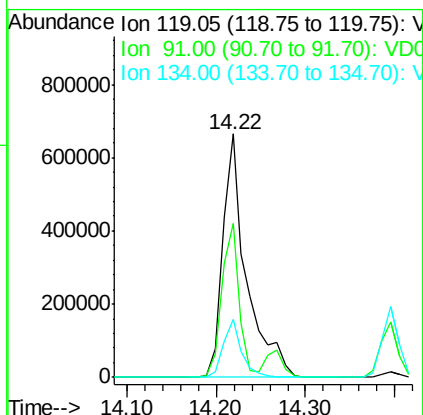
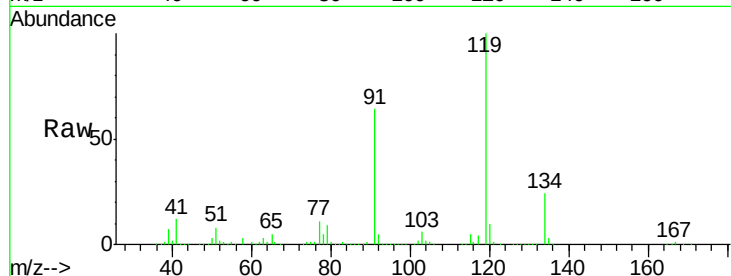




#83
tert-Butylbenzene
Concen: 49.944 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

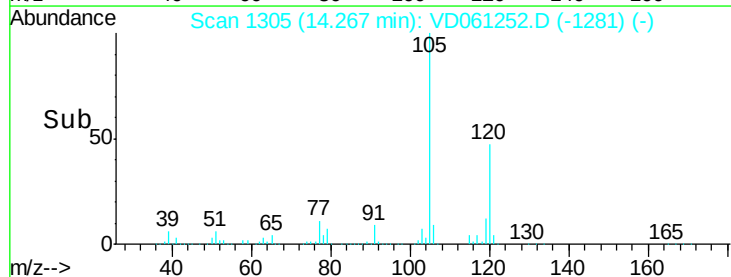
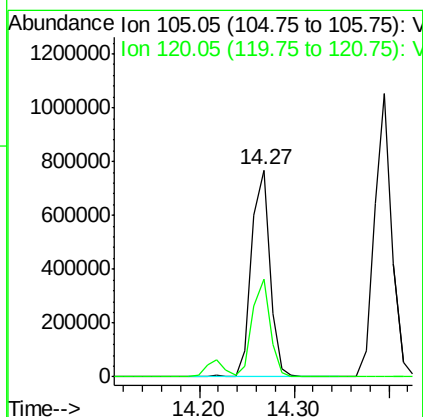
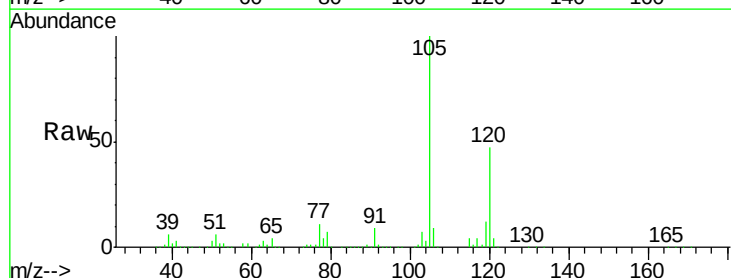
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

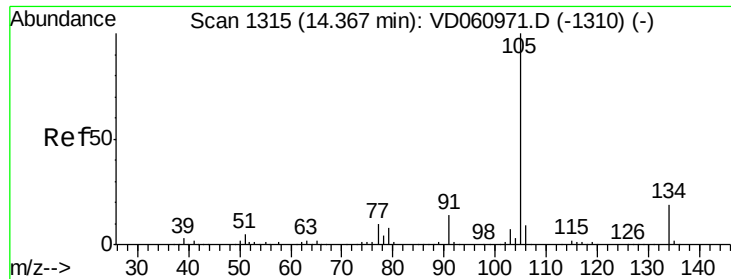
Tot Ion:119 Resp: 1237253
Ion Ratio Lower Upper
119 100
91 63.5 30.1 90.3
134 23.7 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 45.947 ug/l
RT: 14.27 min Scan# 1305
Delta R.T. 0.04 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion:105 Resp: 1040076
Ion Ratio Lower Upper
105 100
120 47.1 22.9 68.5

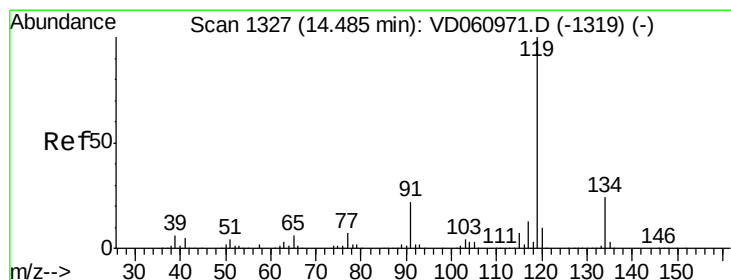
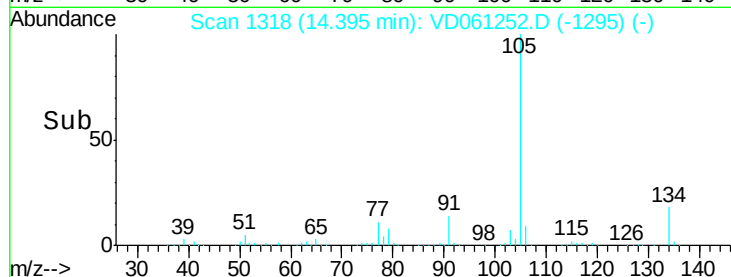
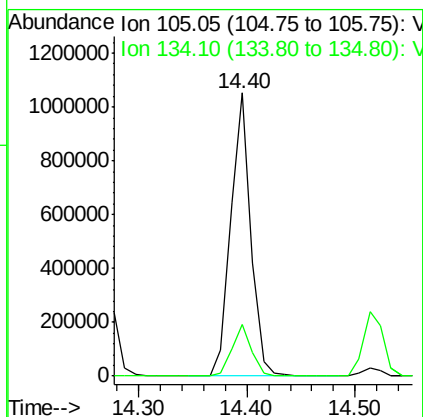
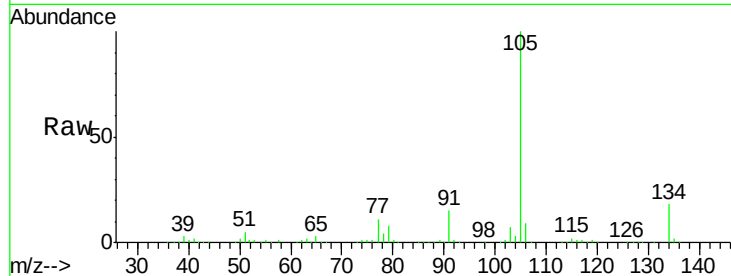




#85
 sec-Butylbenzene
 Concen: 44.557 ug/l
 RT: 14.40 min Scan# 1318
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

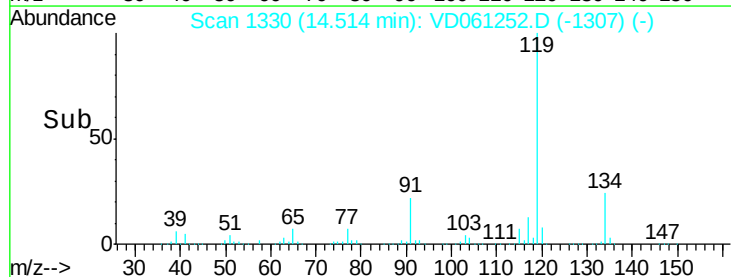
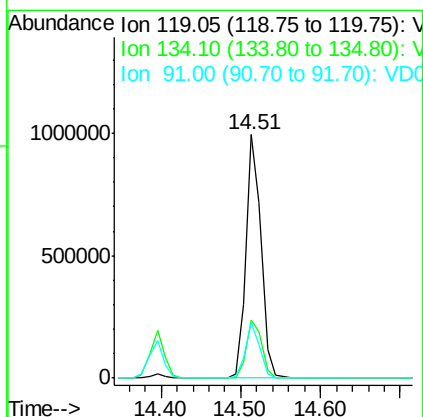
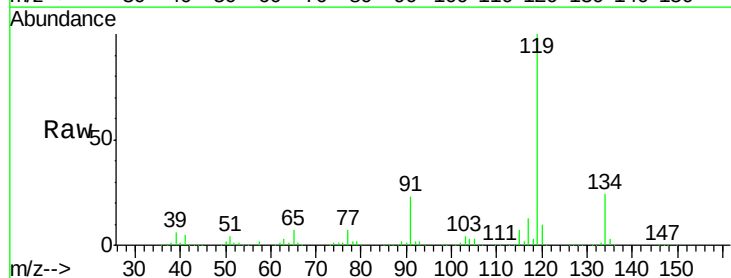
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

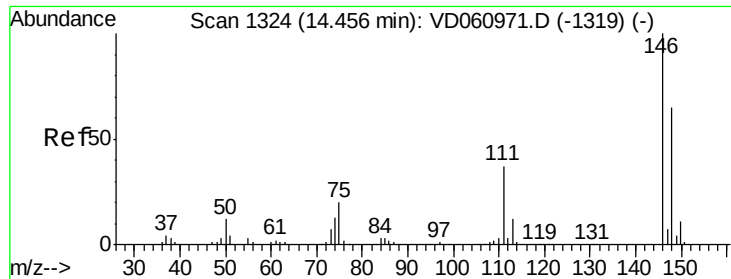
Tot Ion:105 Resp: 1347526
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 51.813 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion:119 Resp: 1280840
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.0 36.1
 91 22.5 11.2 33.6

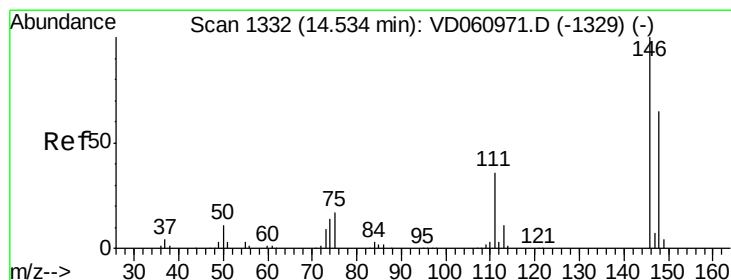
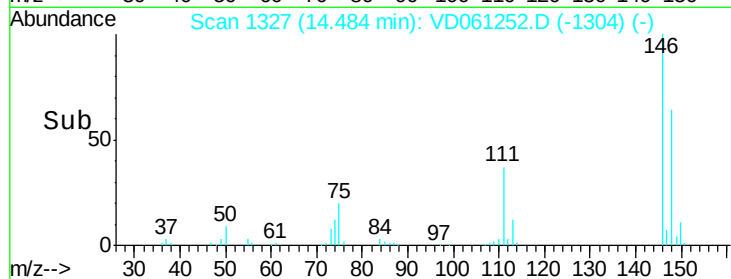
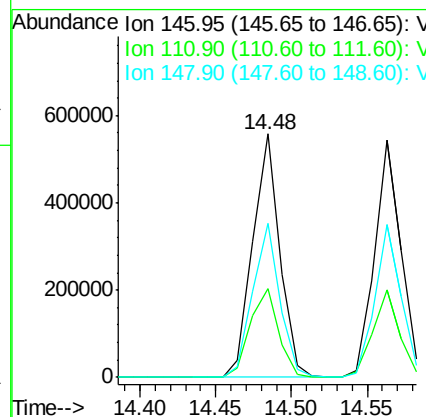
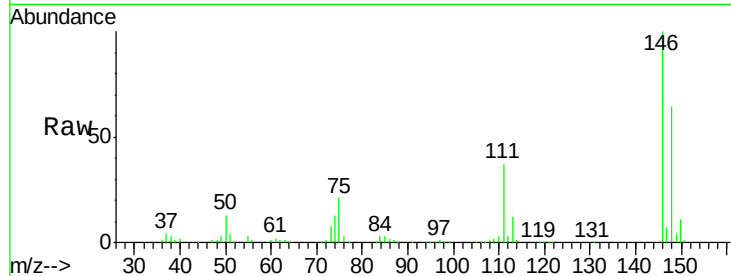




#87
 1,3-Dichlorobenzene
 Concen: 51.386 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

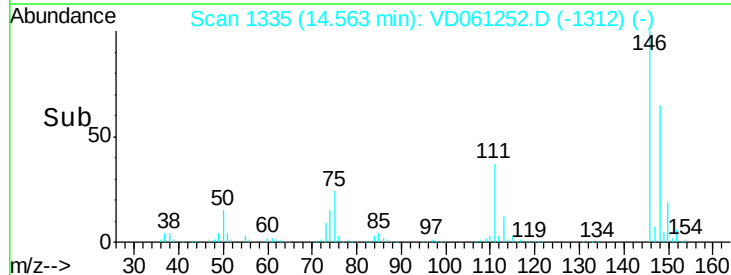
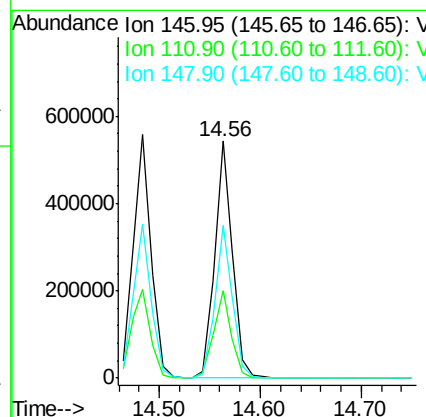
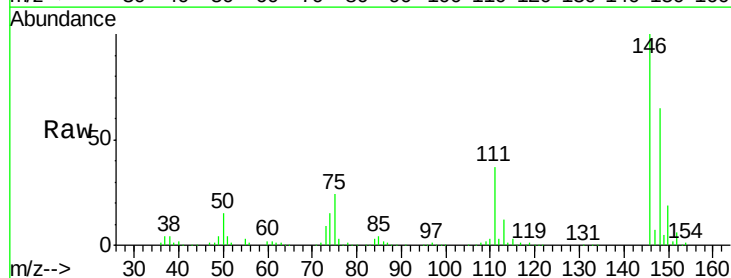
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

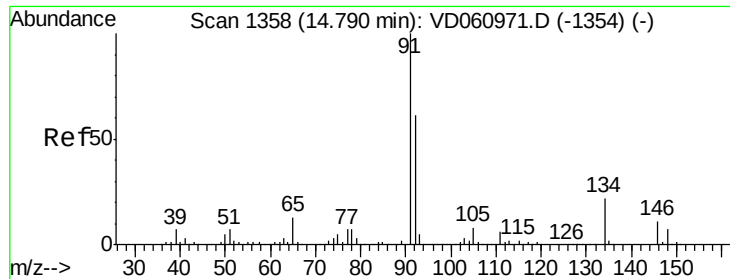
Tot Ion:146 Resp: 698410
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.4
 148 63.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.833 ug/l
 RT: 14.56 min Scan# 1335
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion:146 Resp: 665578
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.6 32.5 97.5

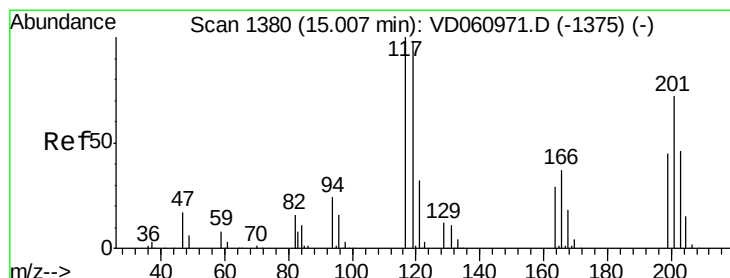
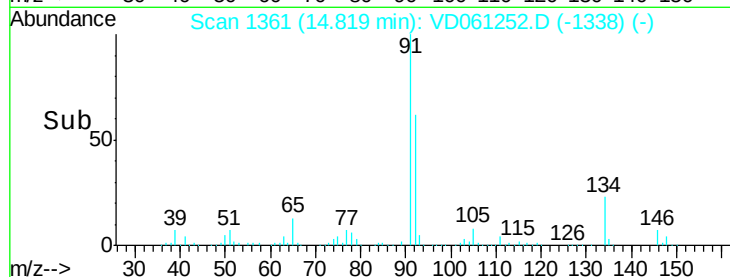
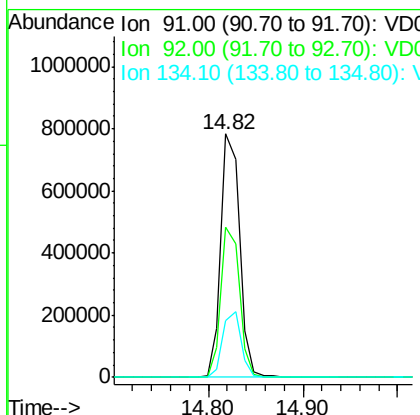
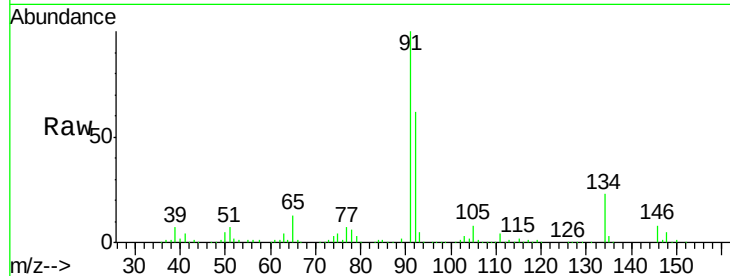




#89
n-Butylbenzene
Concen: 45.452 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

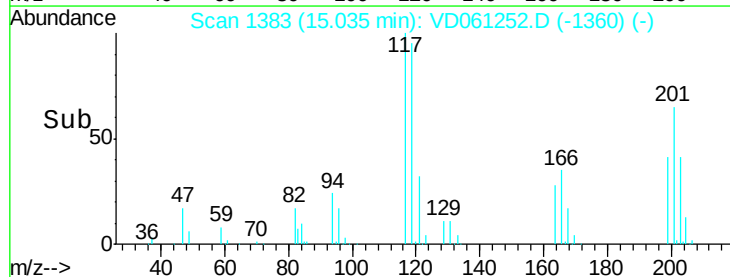
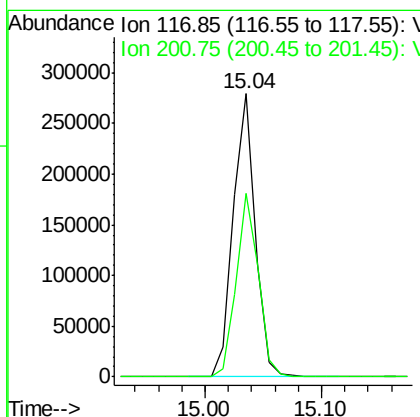
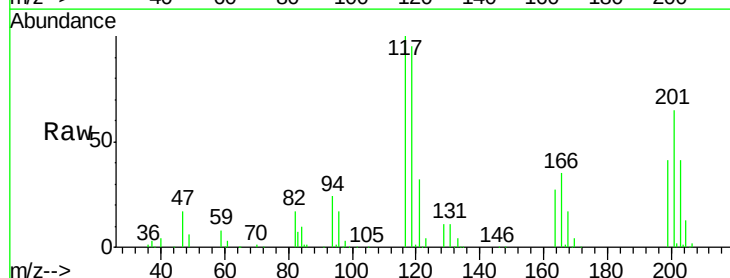
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MSVOA_D
ClientSampleId :
VSTDCCC050

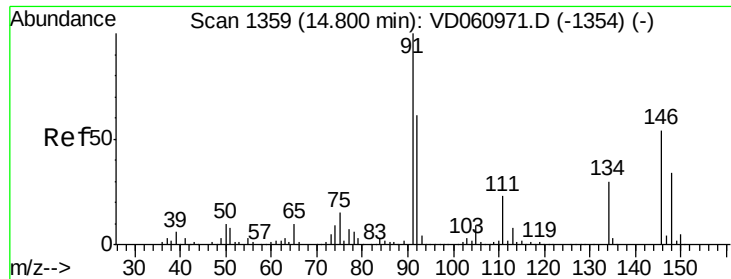
Tot Ion: 91 Resp: 1079024
Ion Ratio Lower Upper
91 100
92 61.6 30.6 91.8
134 23.4 11.0 33.0



#90
Hexachloroethane
Concen: 52.360 ug/l
RT: 15.04 min Scan# 1383
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion: 117 Resp: 365492
Ion Ratio Lower Upper
117 100
201 65.0 36.2 108.6

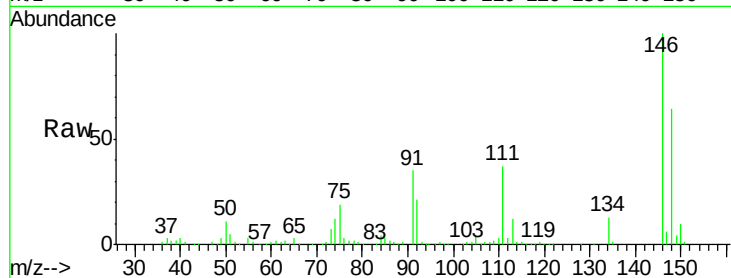




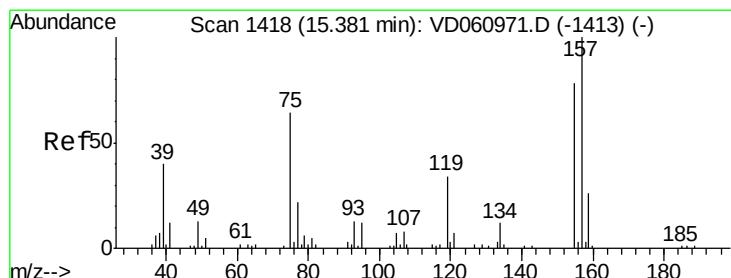
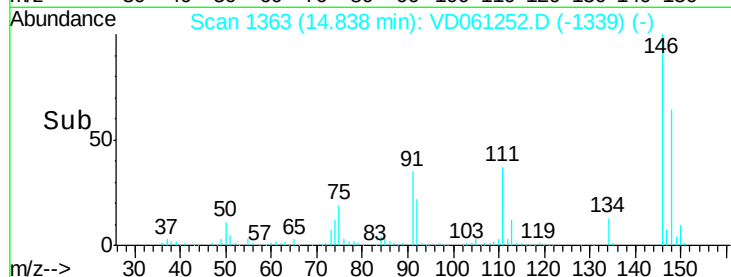
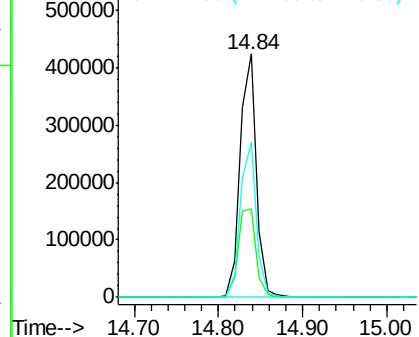
#91
 1,2-Dichlorobenzene
 Concen: 50.202 ug/l
 RT: 14.84 min Scan# 1363
 Delta R.T. 0.04 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 568825
 Ion Ratio Lower Upper
 146 100
 111 36.5 21.5 64.5
 148 63.8 30.9 92.8

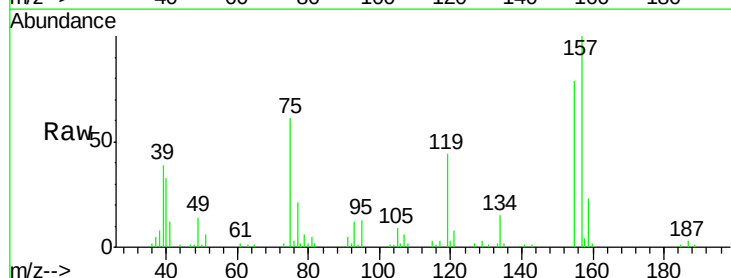


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

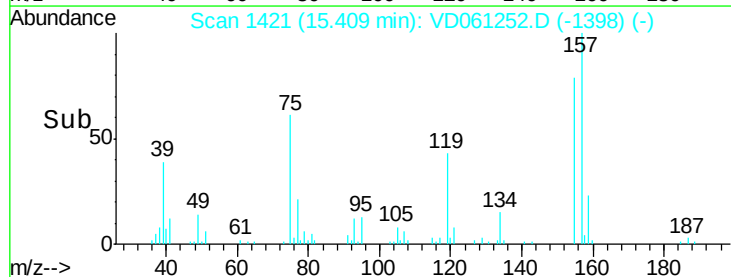
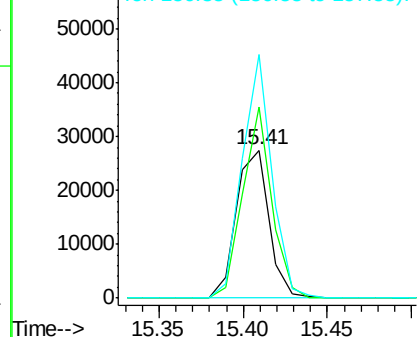


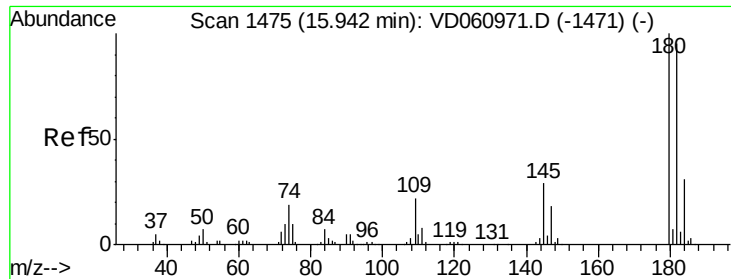
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.691 ug/l
 RT: 15.41 min Scan# 1421
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 36939
 Ion Ratio Lower Upper
 75 100
 155 129.3 61.2 183.5
 157 164.5 78.3 234.8



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

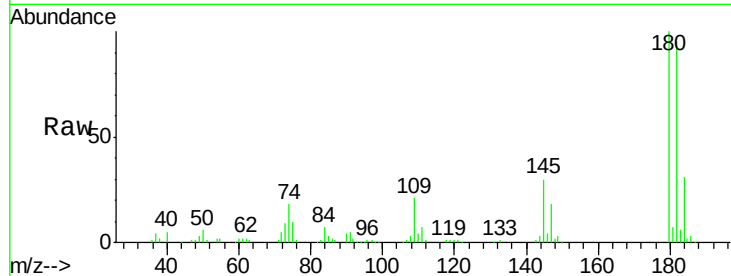




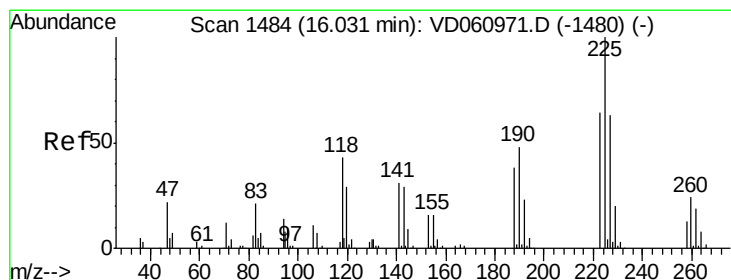
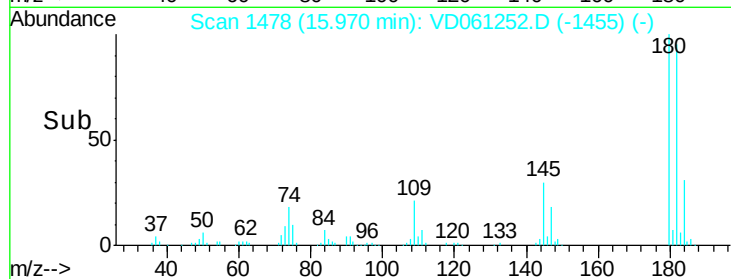
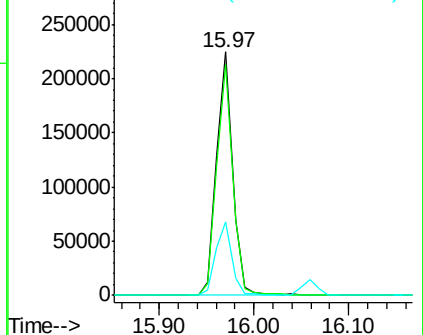
#93
 1,2,4-Trichlorobenzene
 Concen: 50.852 ug/l
 RT: 15.97 min Scan# 1478
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	30.4	14.4	43.0

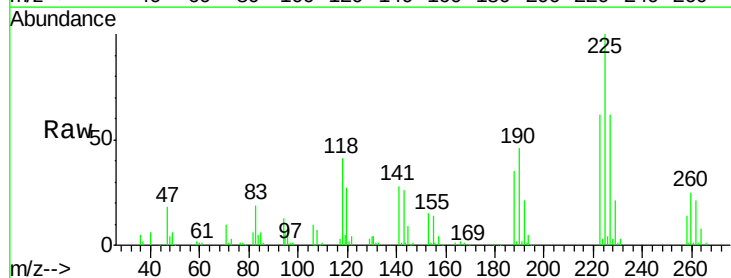


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

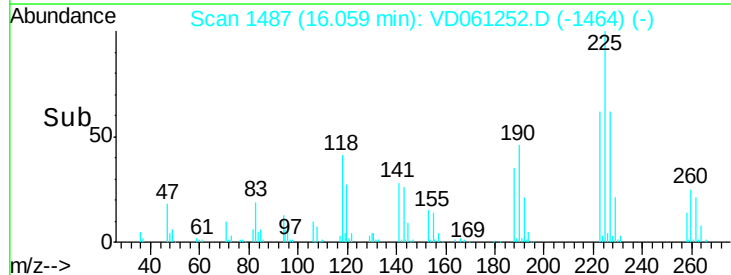
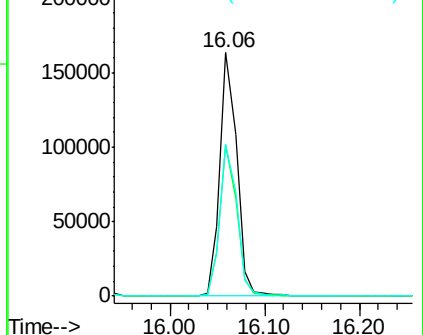


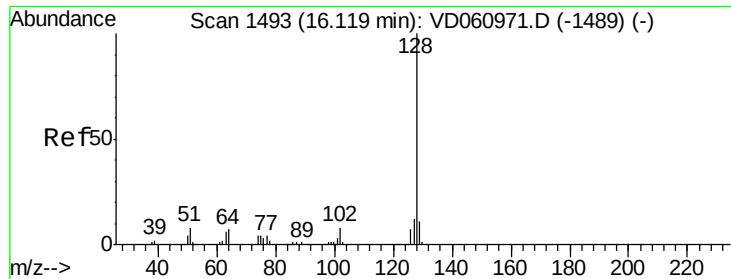
#94
 Hexachlorobutadiene
 Concen: 51.577 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. 0.03 min
 Lab File: VD061252.D
 Acq: 22 Mar 2019 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.3
227	62.2	31.4	94.0



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

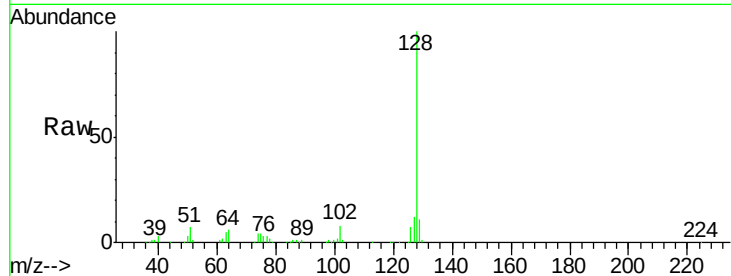




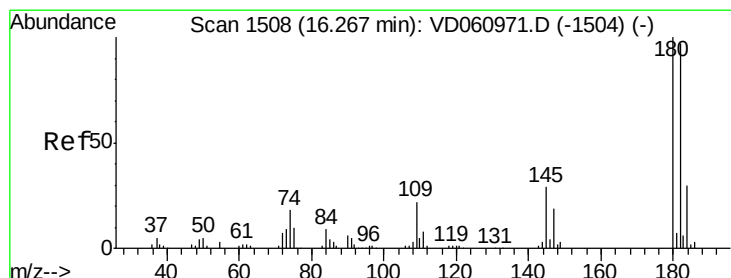
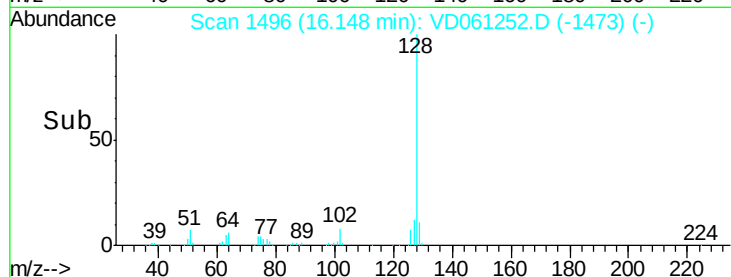
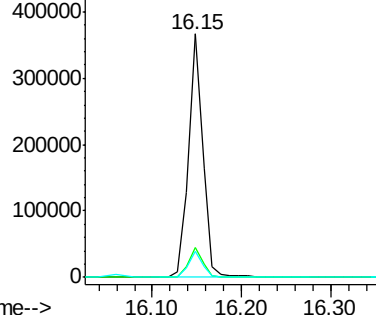
#95
Naphthalene
Concen: 51.626 ug/l
RT: 16.15 min Scan# 1496
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 412365
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.8 8.5 12.7

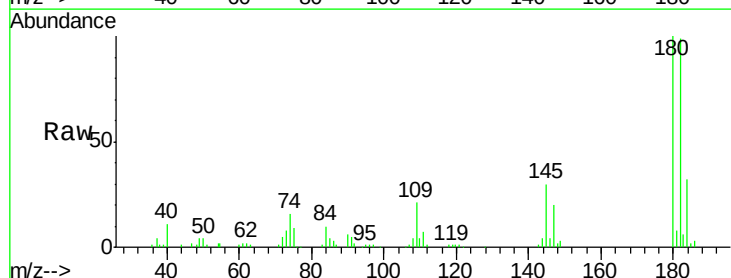


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 45.520 ug/l
RT: 16.30 min Scan# 1511
Delta R.T. 0.03 min
Lab File: VD061252.D
Acq: 22 Mar 2019 10:49

Tgt Ion:180 Resp: 118176
Ion Ratio Lower Upper
180 100
182 98.8 48.6 145.8
145 30.5 14.3 42.9



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

