

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061217.D
 Acq On : 20 Mar 2019 19:26
 Operator : VA/AP
 Sample : K2004-03
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(7.5-8.5)

Quant Time: Mar 22 02:02:42 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	7.04	168	100808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	194096	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	98750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	24819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	70149	83.60	ug/l	0.00
Spiked Amount			Recovery	=	167.20%	
35) Dibromofluoromethane	6.92	113	85194	59.14	ug/l	0.00
Spiked Amount			Recovery	=	118.28%	
50) Toluene-d8	10.40	98	171041	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	13.54	95	301746	214.99	ug/l	-0.01
Spiked Amount			Recovery	=	429.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	4.23	53	248	1.314	ug/l #	15
16) Acetone	3.22	43	50072	208.676	ug/l	98
18) Methyl Acetate	3.79	43	15789	33.436	ug/l #	59
20) Methylene Chloride	3.82	84	14265	9.236	ug/l	88
25) 2-Butanone	6.02	43	53095	195.003	ug/l #	55
29) Tetrahydrofuran	6.65	42	9659	65.331	ug/l #	1
31) Cyclohexane	7.10	56	514986	346.829	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	6647	3.973	ug/l #	39
37) Ethyl Acetate	6.02	43	40851	52.032	ug/l #	66
38) Carbon Tetrachloride	7.04	117	9161	4.971	ug/l #	11
39) Methylcyclohexane	8.83	83	786384	453.286	ug/l #	38
43) Isopropyl Acetate	9.27	43	1045111	961.096	ug/l #	43
45) 1,2-Dichloropropane	8.94	63	4638	4.223	ug/l #	1
47) Bromodichloromethane	9.31	83	100990	64.236	ug/l #	62
48) Methyl methacrylate	9.10	41	65383	106.791	ug/l #	41
51) 4-Methyl-2-Pentanone	10.36	43	136889	205.484	ug/l #	76
55) 1,1,2-Trichloroethane	11.10	97	1954261	2257.329	ug/l #	18
56) Ethyl methacrylate	11.10	69	430016	474.536	ug/l #	1
59) 2-Hexanone	11.49	43	534571	1096.990	ug/l #	36
60) Dibromochloromethane	11.64	129	12618	9.903	ug/l #	47
65) Chlorobenzene	12.43	112	2335	1.206	ug/l #	42
67) Ethyl Benzene	12.55	91	12771	4.431	ug/l #	43
73) Isopropylbenzene	13.41	105	4457	2.492	ug/l	97
74) N-ethyl acetate	13.28	43	1310329	2601.700	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	13.71	83	395494	1133.295	ug/l #	64
76) 1,2,3-Trichloropropane	13.72	75	989	2.770	ug/l #	1
77) Bromobenzene	13.73	156	2746	6.014	ug/l #	1
78) n-propylbenzene	13.72	91	19408	9.269	ug/l #	54
79) 2-Chlorotoluene	13.98	91	15965	13.849	ug/l	78
80) 1,3,5-Trimethylbenzene	14.23	105	12521	9.221	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	814	7.732	ug/l #	1
82) 4-Chlorotoluene	13.98	91	26275	19.279	ug/l	80
83) tert-Butylbenzene	14.19	119	43394	29.201	ug/l #	69
84) 1,2,4-Trimethylbenzene	14.23	105	12521	9.221	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

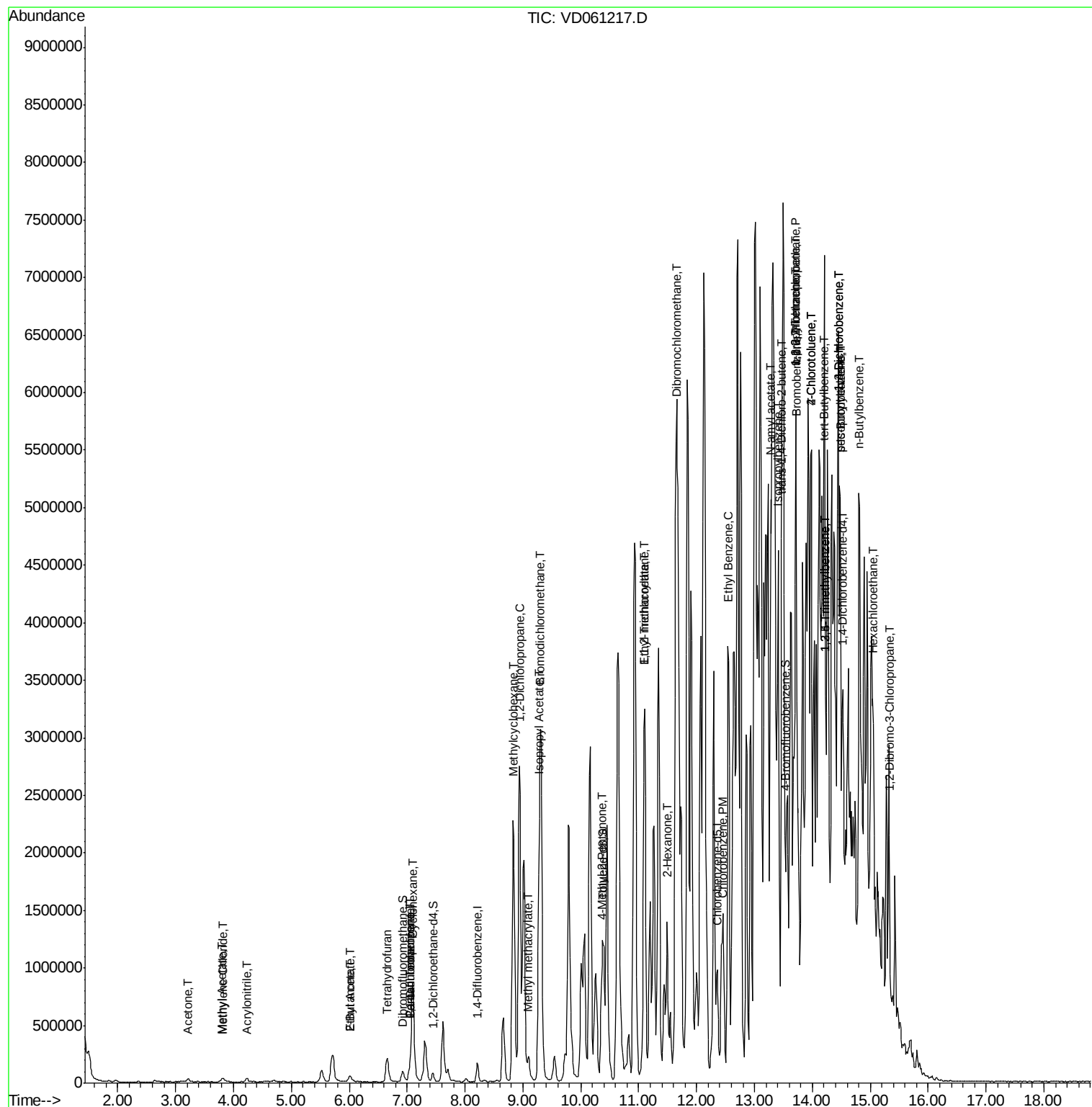
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	14.49	105	3682	2.030	ug/l	96
86) p-Isopropyltoluene	14.49	119	2537	1.711	ug/l #	1
87) 1,3-Dichlorobenzene	14.46	146	2195	2.692	ug/l #	1
88) 1,4-Dichlorobenzene	14.46	146	2195	2.740	ug/l #	1
89) n-Butylbenzene	14.81	91	54386	38.191	ug/l #	44
90) Hexachloroethane	15.05	117	27026	64.543	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	15.34	75	2219	52.766	ug/l #	31

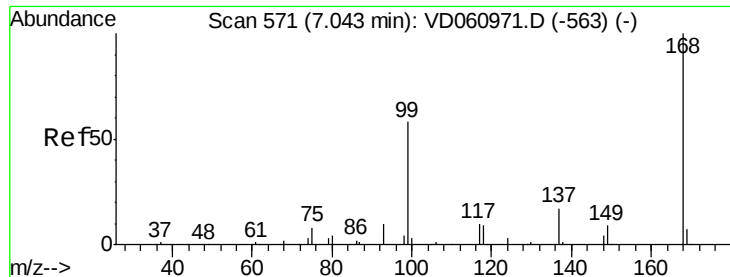
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

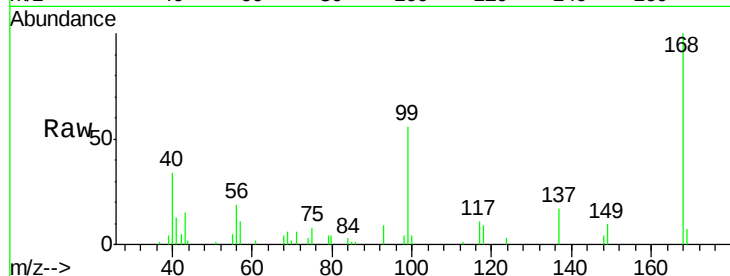
SB-19(7.5-8.5)

Tot Ion:168 Resp: 100808

Ion Ratio Lower Upper

168 100

99 56.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

40000

30000

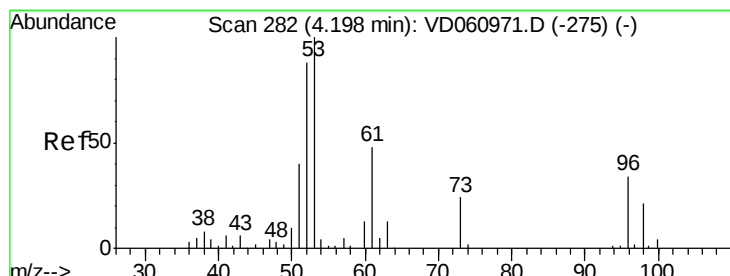
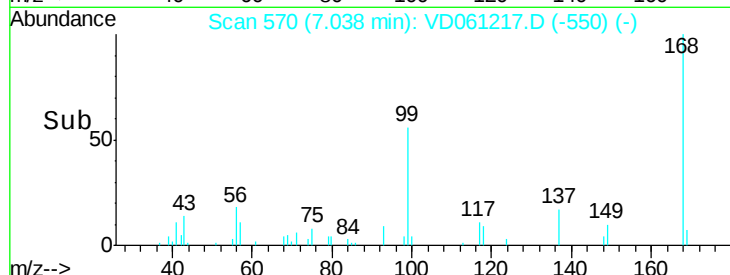
20000

10000

0

Time-->

6.90 7.00 7.10 7.20



#15

Acrylonitrile

Concen: 1.314 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

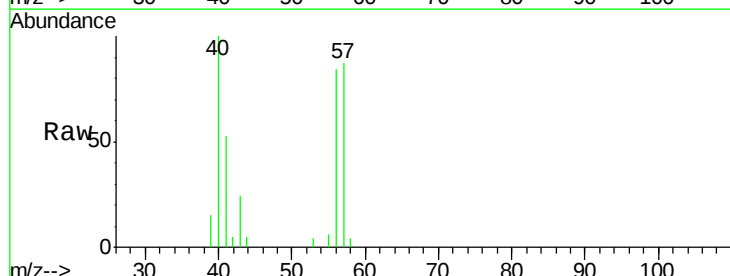
Tgt Ion: 53 Resp: 248

Ion Ratio Lower Upper

53 100

52 0.0 70.2 105.4#

51 0.0 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

4.23

500

400

300

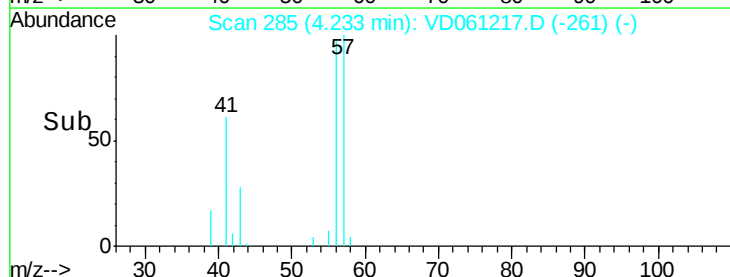
200

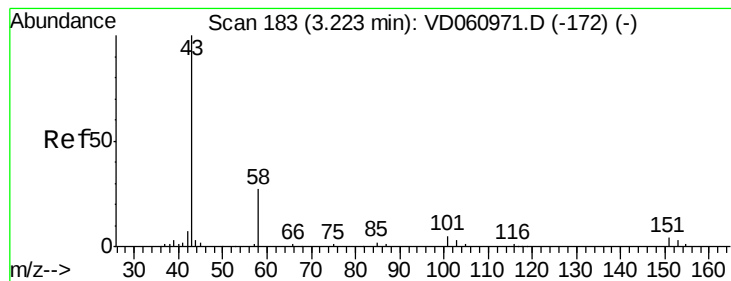
100

0

Time-->

4.20 4.22 4.24 4.26





#16

Acetone

Concen: 208.676 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

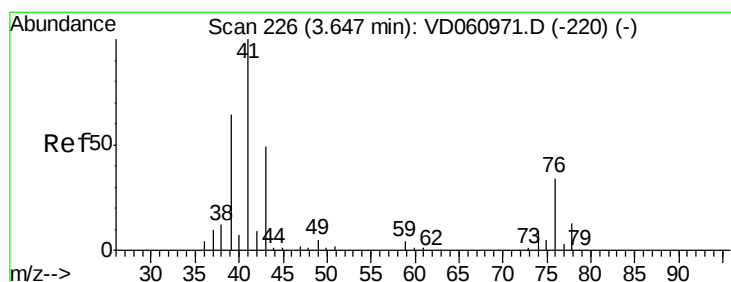
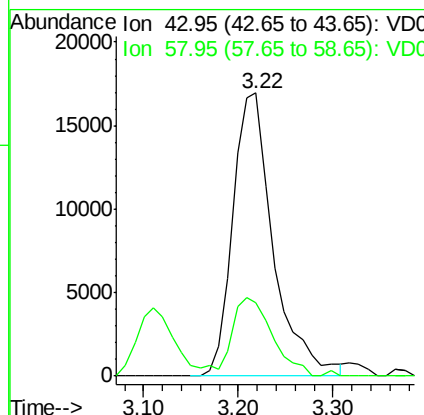
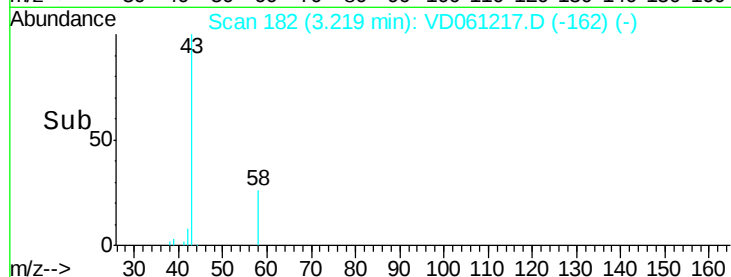
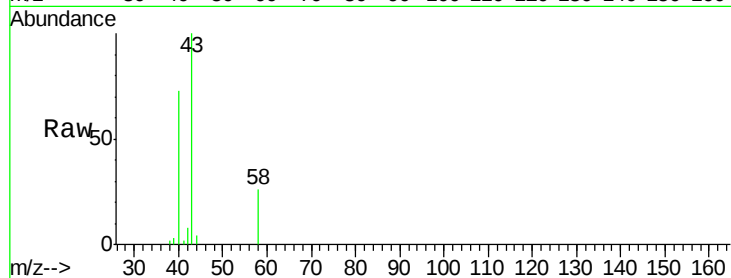
SB-19(7.5-8.5)

Tot Ion: 43 Resp: 50072

Ion Ratio Lower Upper

43 100

58 25.8 21.6 32.4



#18

Methyl Acetate

Concen: 33.436 ug/l

RT: 3.79 min Scan# 240

Delta R.T. 0.14 min

Lab File: VD061217.D

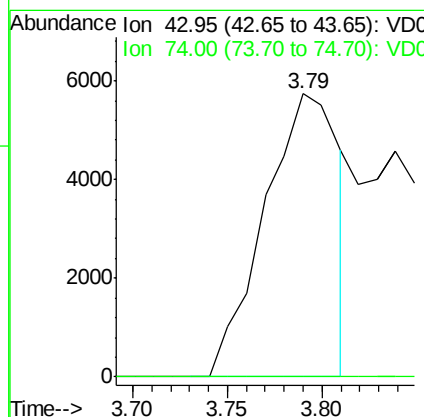
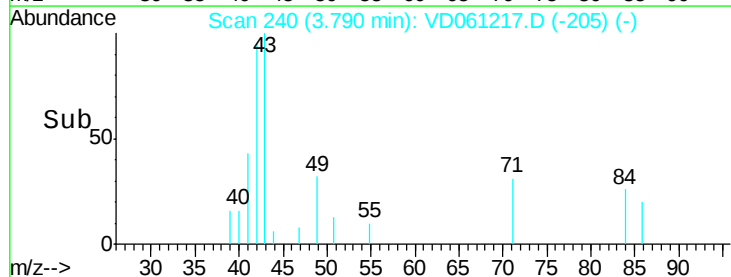
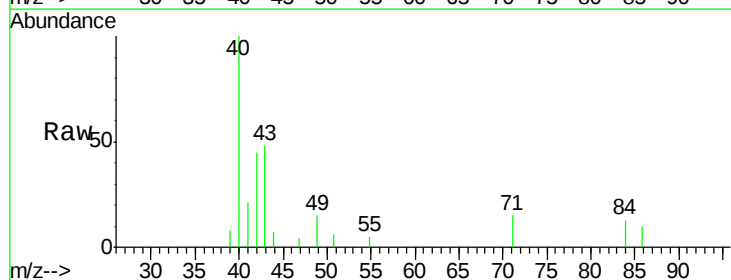
Acq: 20 Mar 2019 19:26

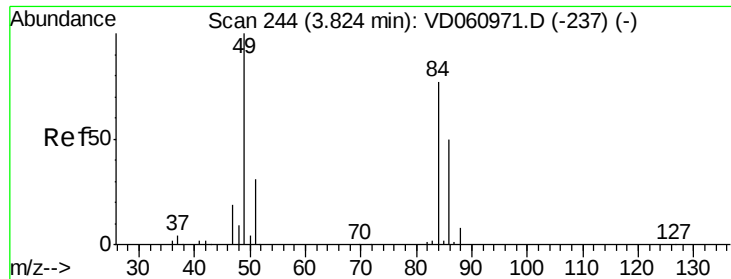
Tgt Ion: 43 Resp: 15789

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

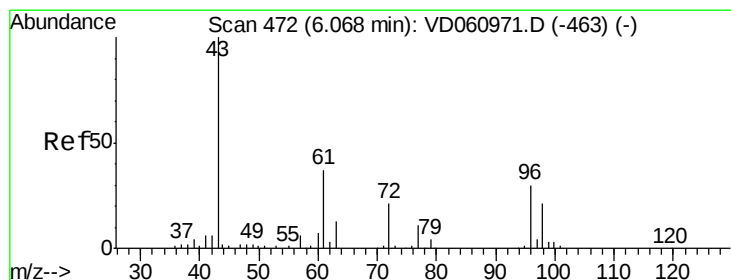
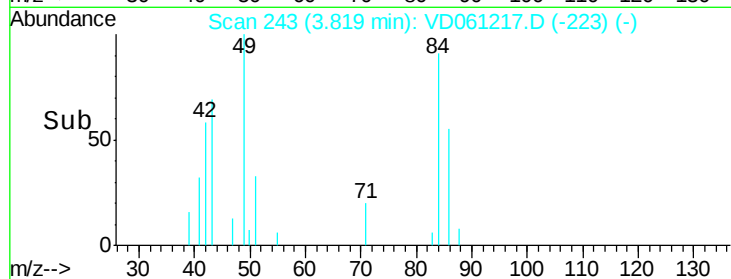
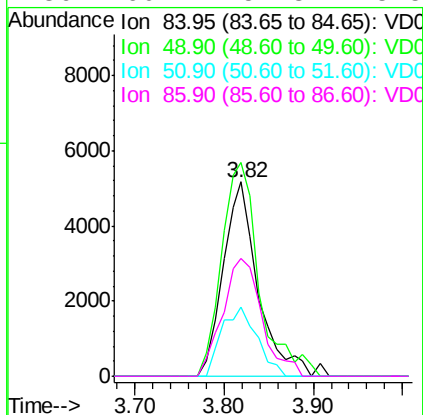
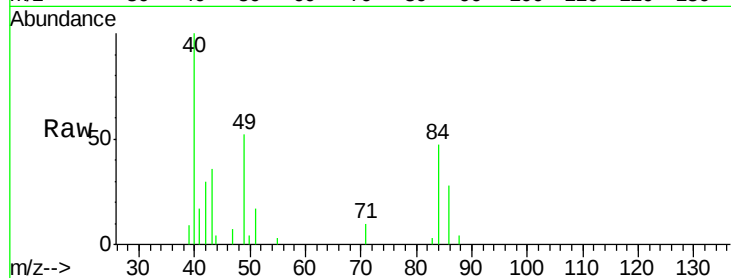




#20
Methylene Chloride
Concen: 9.236 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

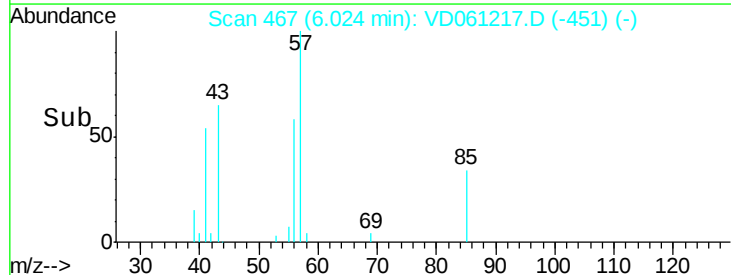
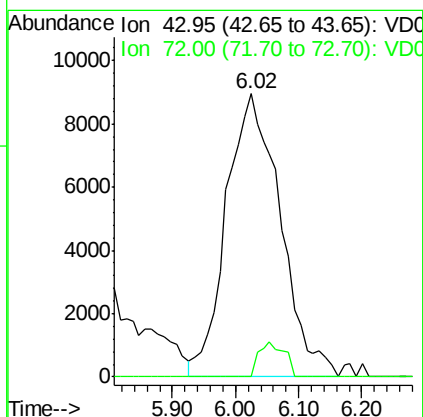
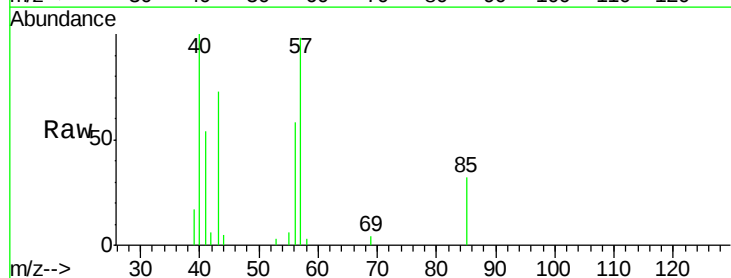
Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

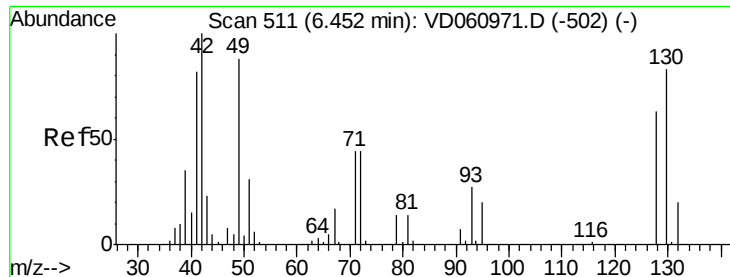
Tot Ion: 84 Resp: 14265
Ion Ratio Lower Upper
84 100
49 110.1 104.2 156.2
51 36.0 32.3 48.5
86 60.7 52.3 78.5



#25
2-Butanone
Concen: 195.003 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.04 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 43 Resp: 53095
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#





#29

Tetrahydrofuran

Concen: 65.331 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.20 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

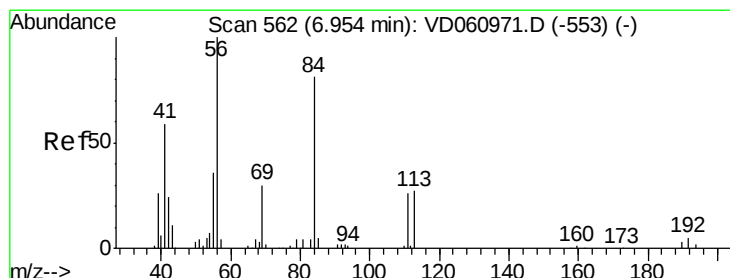
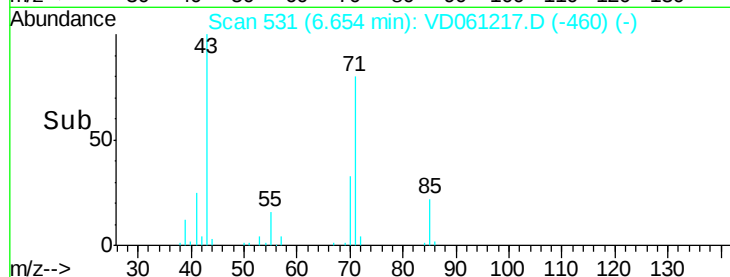
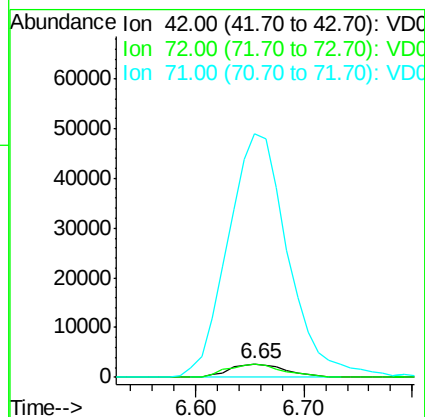
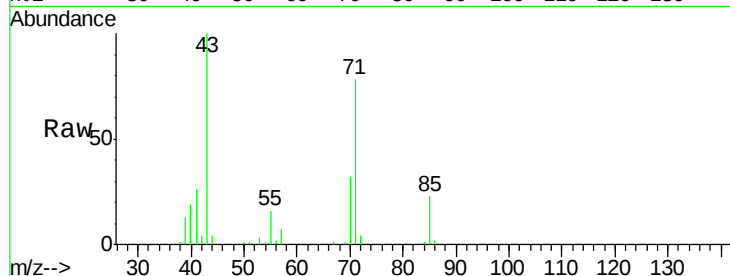
Tot Ion: 42 Resp: 9659

Ion Ratio Lower Upper

42 100

72 98.5 34.5 51.7#

71 1971.0 33.8 50.6#



#31

Cyclohexane

Concen: 346.829 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.14 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

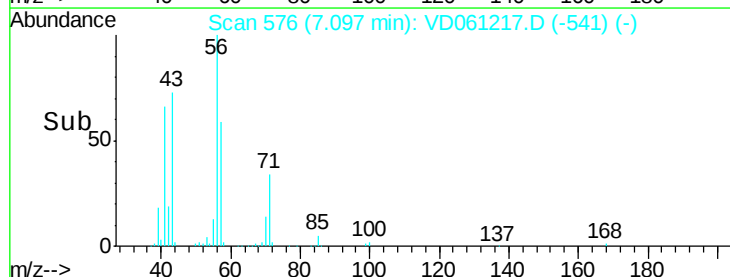
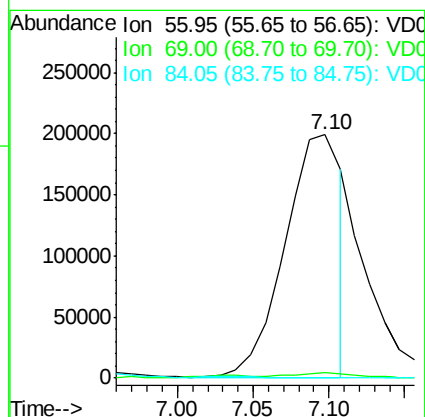
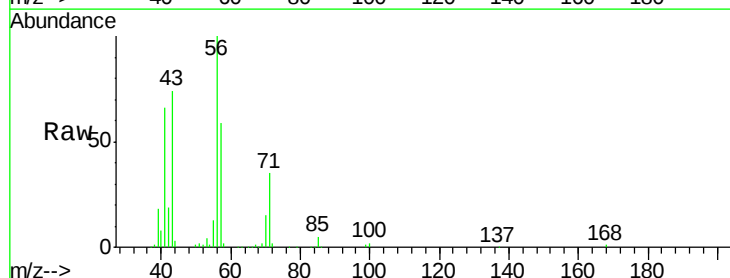
Tgt Ion: 56 Resp: 514986

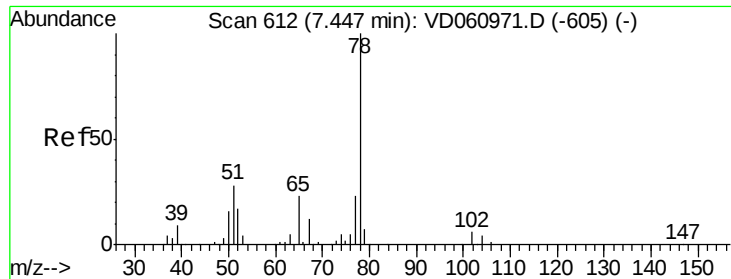
Ion Ratio Lower Upper

56 100

69 2.1 24.0 36.0#

84 0.3 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampled :

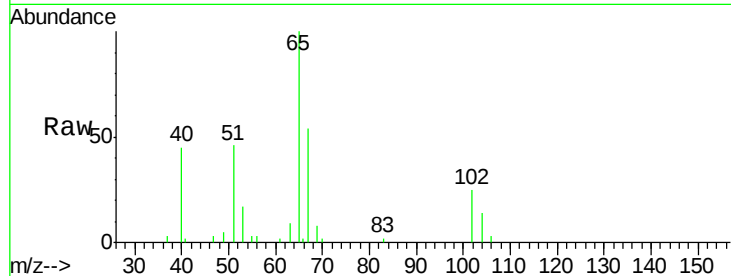
SB-19(7.5-8.5)

Tot Ion: 65 Resp: 70149

Ion Ratio Lower Upper

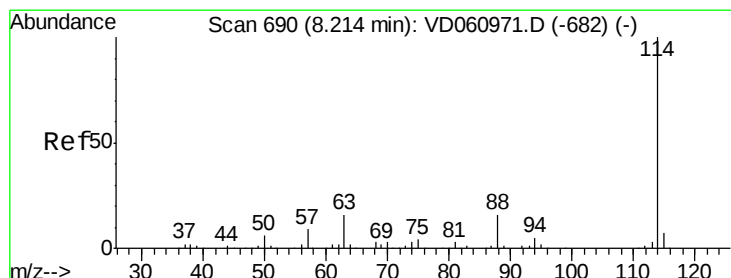
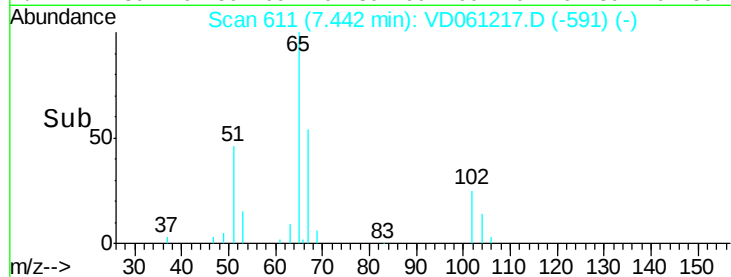
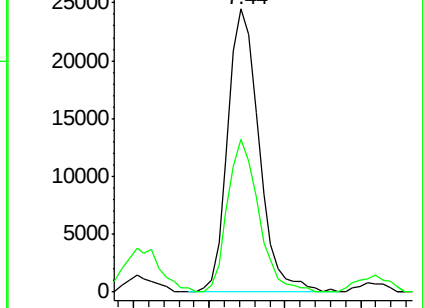
65 100

67 54.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

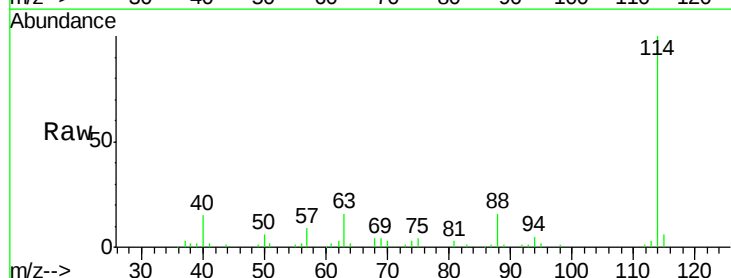
Tgt Ion: 114 Resp: 194096

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

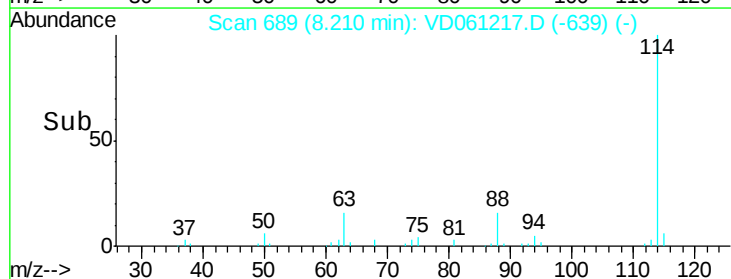
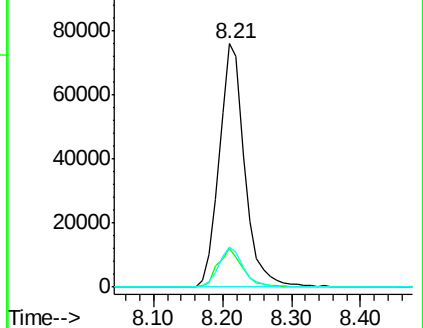
88 16.3 0.0 33.0

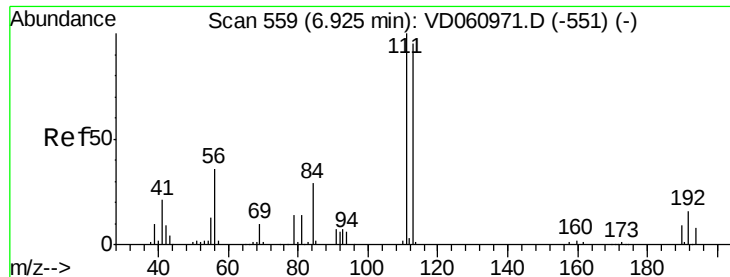


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

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SB-19(7.5-8.5)

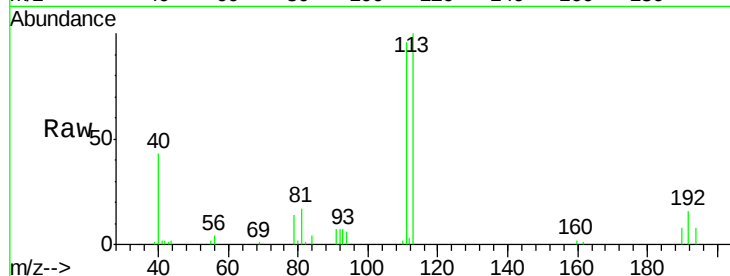
Tot Ion:113 Resp: 85194

Ion Ratio Lower Upper

113 100

111 96.5 84.2 126.4

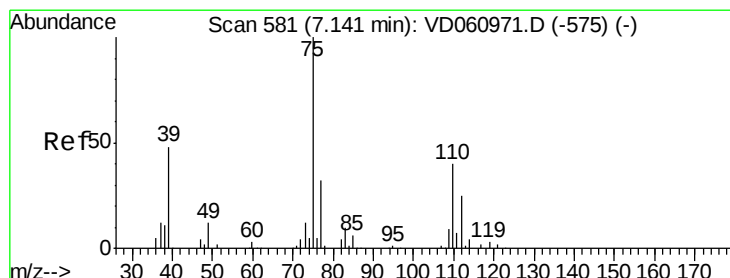
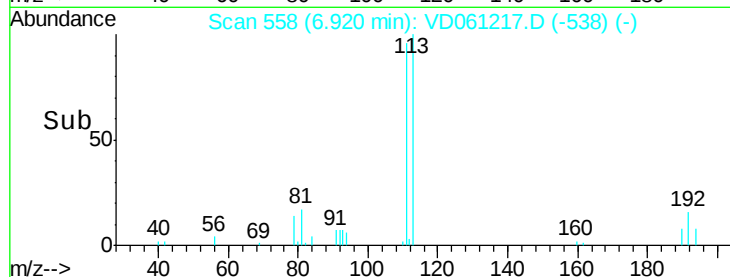
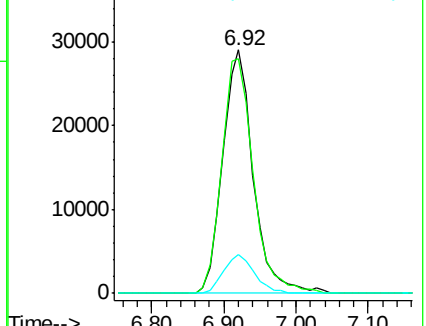
192 15.8 13.1 19.7



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: 3.973 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

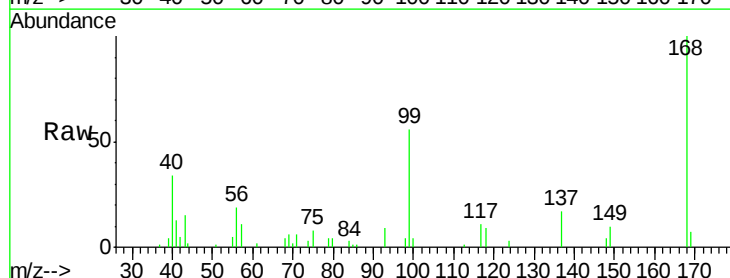
Tgt Ion: 75 Resp: 6647

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

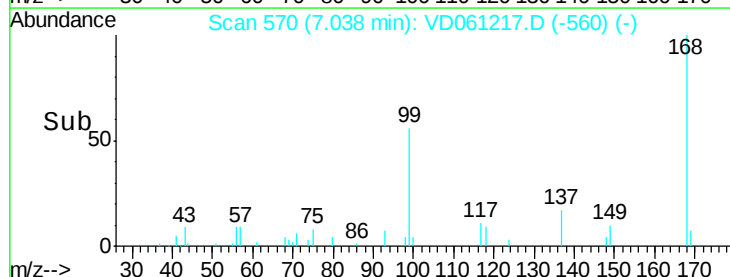
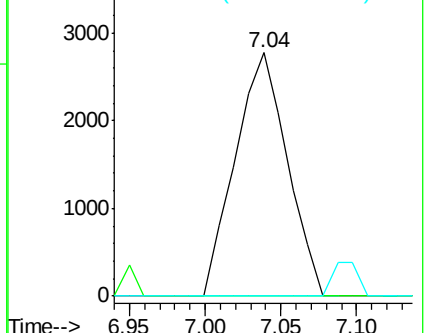
77 0.0 24.7 37.1#

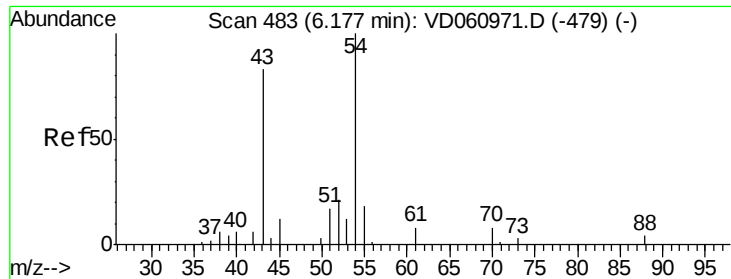


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

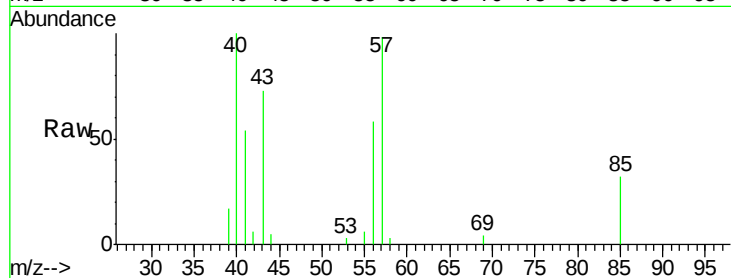




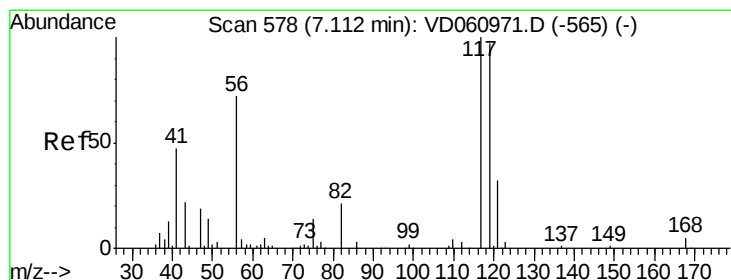
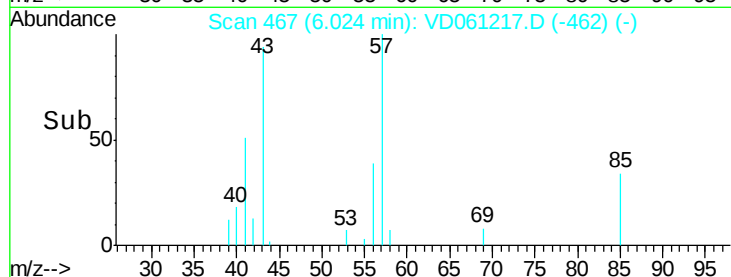
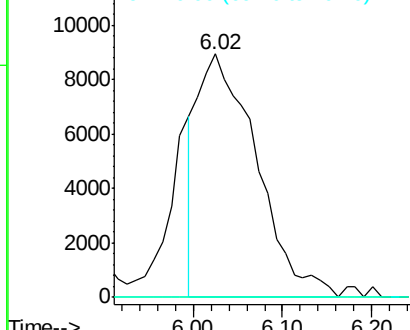
#37
Ethyl Acetate
Concen: 52.032 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.15 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

Tot Ion: 43 Resp: 40851
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#

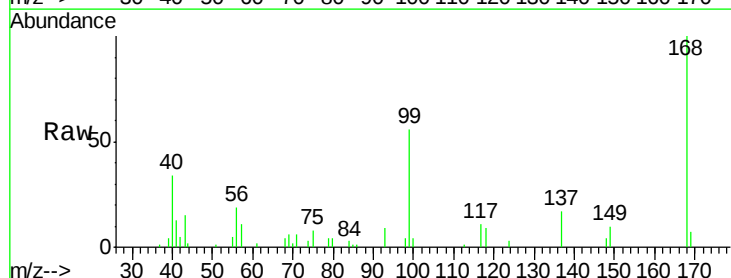


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

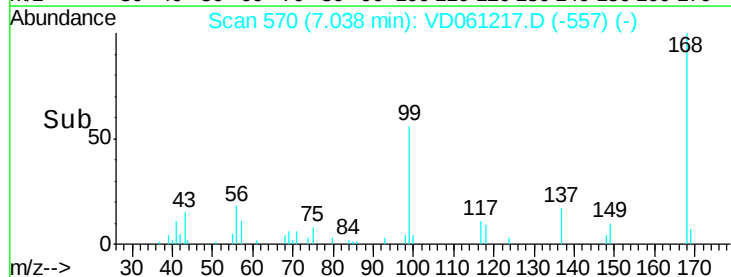
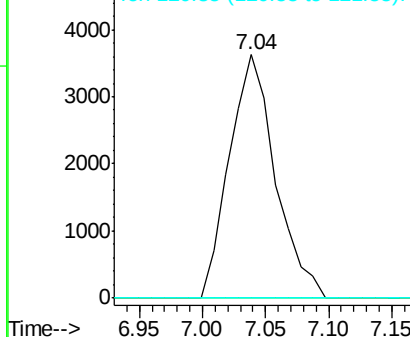


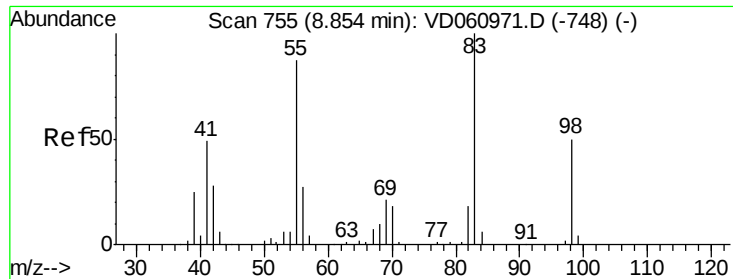
#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 117 Resp: 9161
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#



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

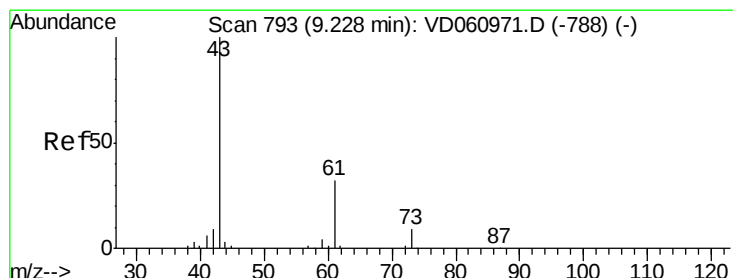
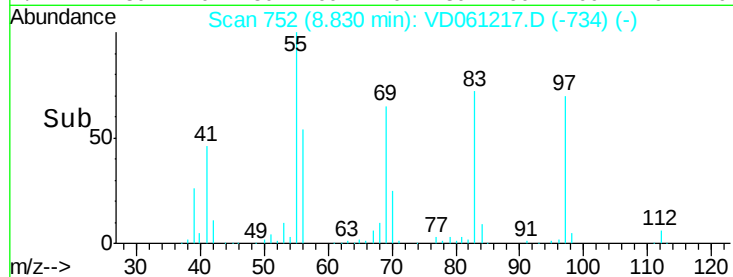
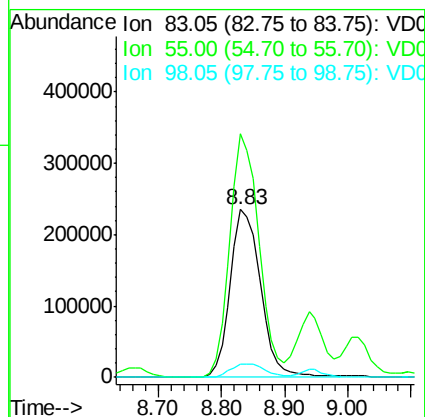
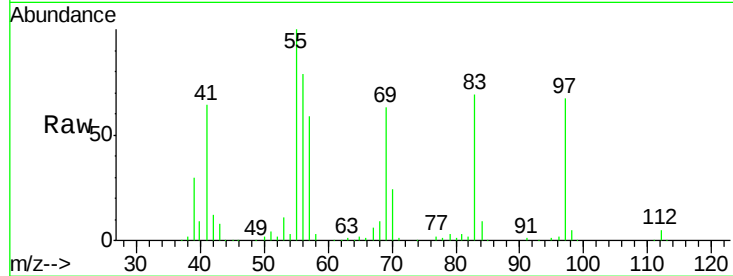




#39
Methylcyclohexane
Concen: 453.286 ug/l
RT: 8.83 min Scan# 752
Delta R.T. -0.02 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

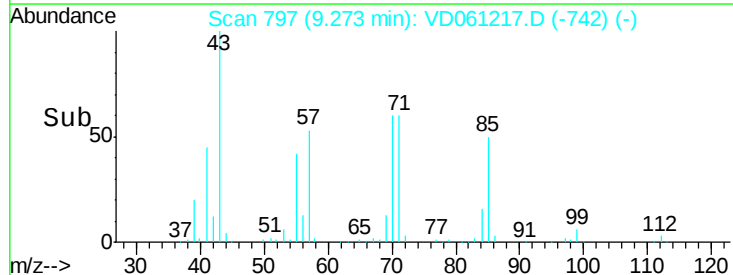
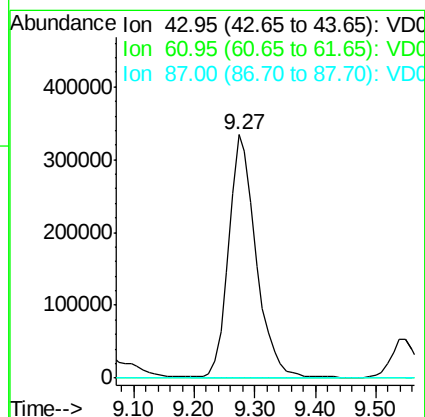
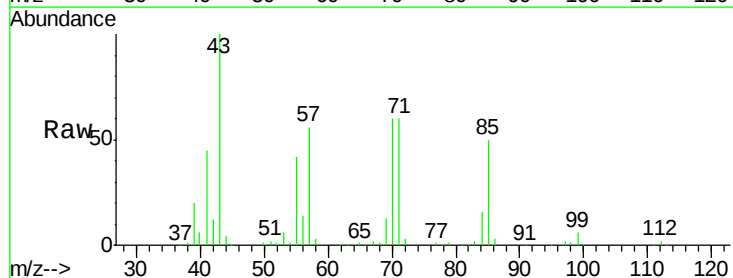
Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

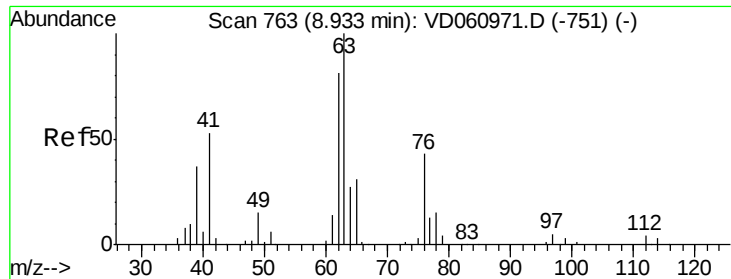
Tot Ion: 83 Resp: 786384
Ion Ratio Lower Upper
83 100
55 144.9 69.6 104.4#
98 7.7 40.0 60.0#



#43
Isopropyl Acetate
Concen: 961.096 ug/l
RT: 9.27 min Scan# 797
Delta R.T. 0.04 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 43 Resp: 1045111
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#





#45

1,2-Dichloropropane

Concen: 4.223 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

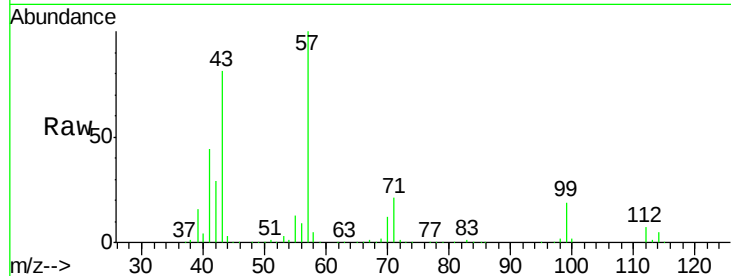
SB-19(7.5-8.5)

Tot Ion: 63 Resp: 4638

Ion Ratio Lower Upper

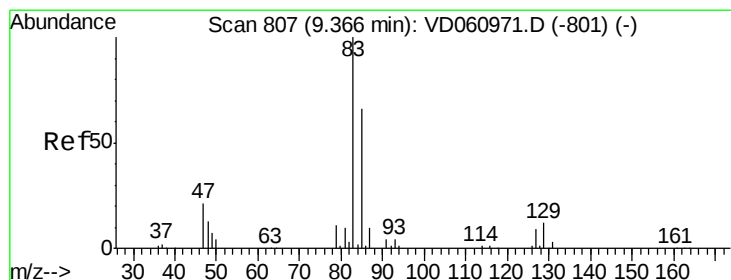
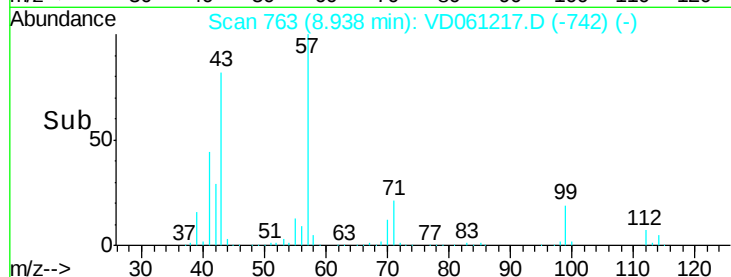
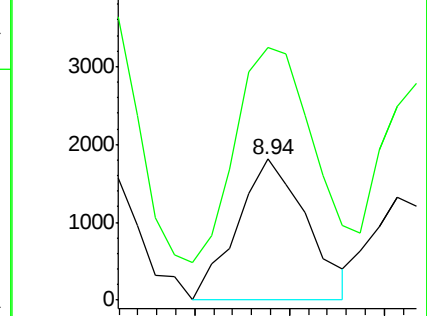
63 100

65 179.8 24.8 37.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#47

Bromodichloromethane

Concen: 64.236 ug/l

RT: 9.31 min Scan# 801

Delta R.T. -0.05 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

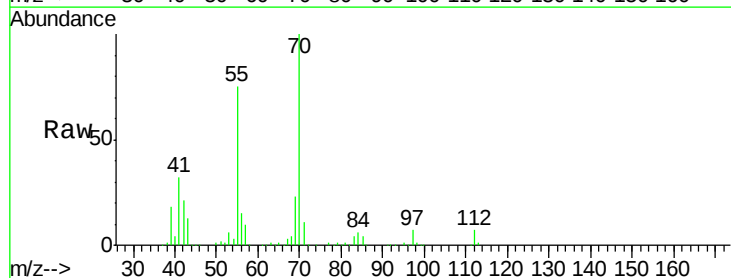
Tgt Ion: 83 Resp: 100990

Ion Ratio Lower Upper

83 100

85 97.4 52.5 78.7#

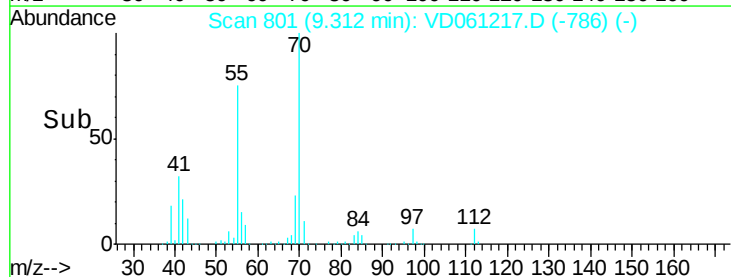
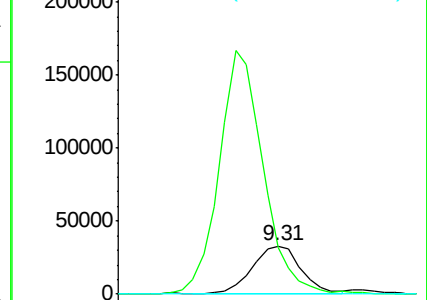
127 0.0 7.5 11.3#

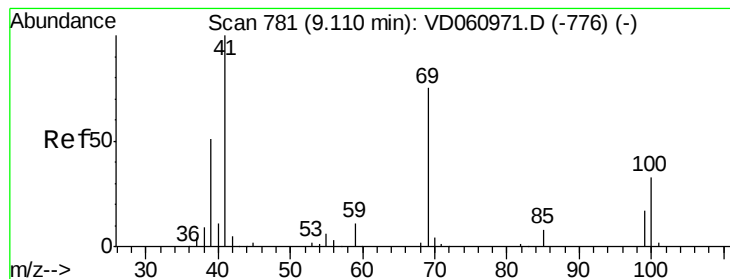


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 106.791 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

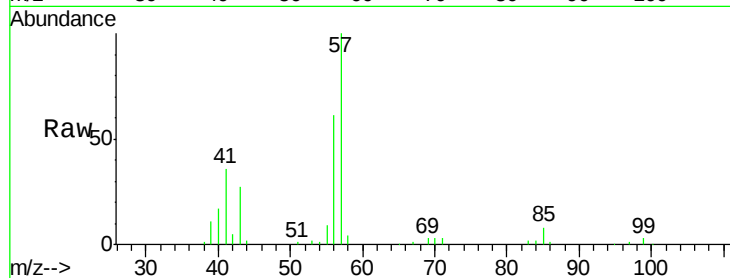
Tot Ion: 41 Resp: 65383

Ion Ratio Lower Upper

41 100

69 7.7 59.9 89.9#

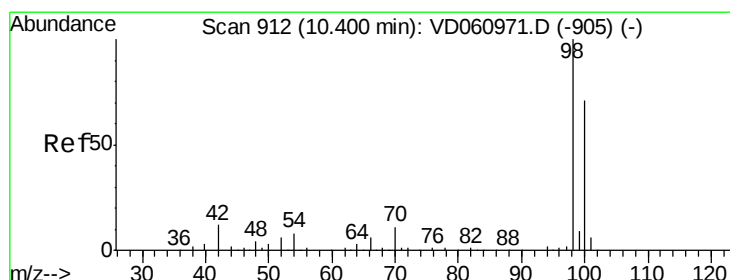
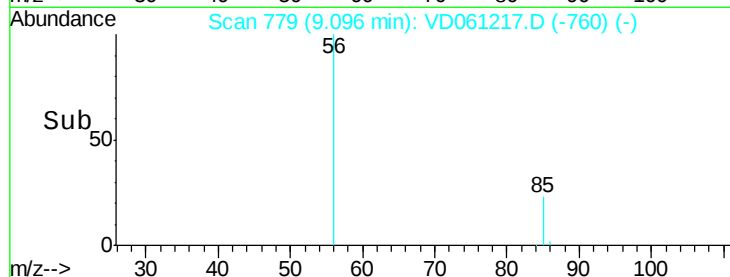
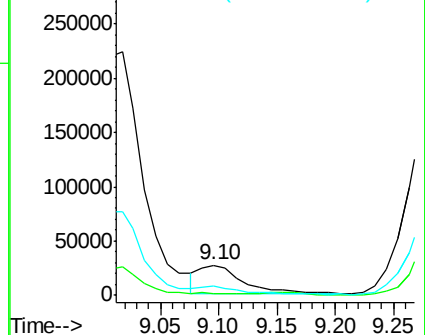
39 30.4 40.9 61.3#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD061217.D

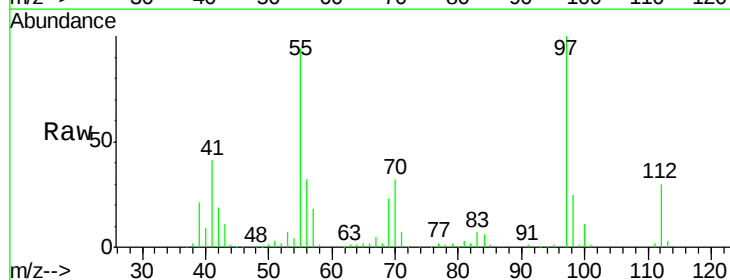
Acq: 20 Mar 2019 19:26

Tgt Ion: 98 Resp: 171041

Ion Ratio Lower Upper

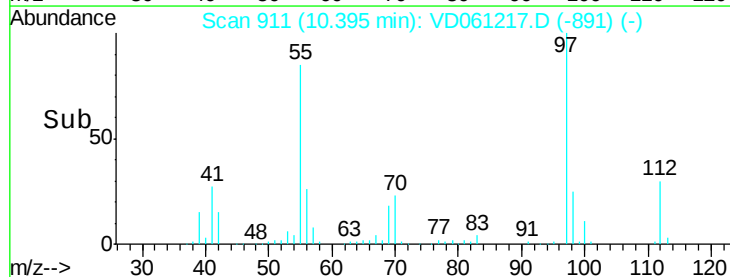
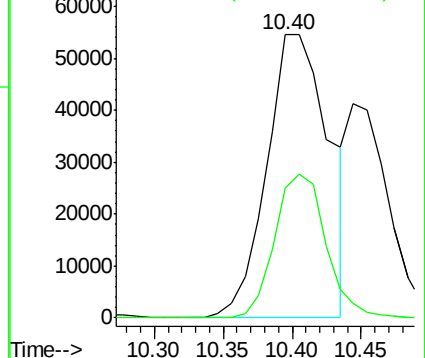
98 100

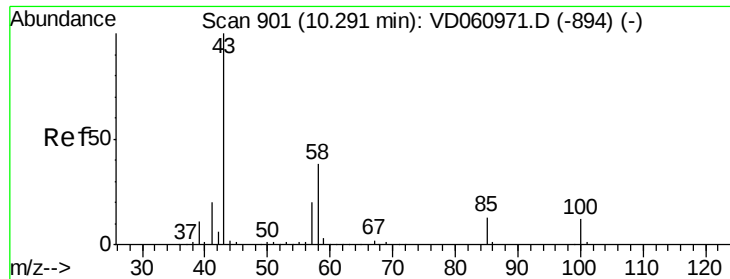
100 45.9 57.4 86.2#



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: 205.484 ug/l

RT: 10.36 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

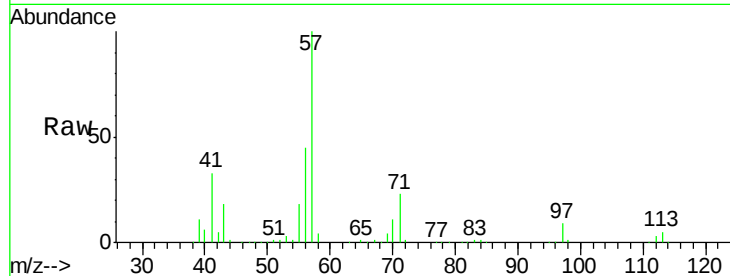
SB-19(7.5-8.5)

Tot Ion: 43 Resp: 136889

Ion Ratio Lower Upper

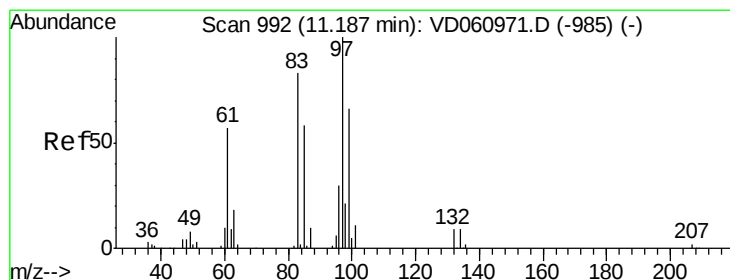
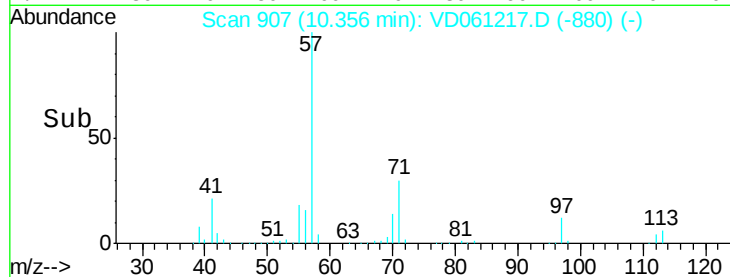
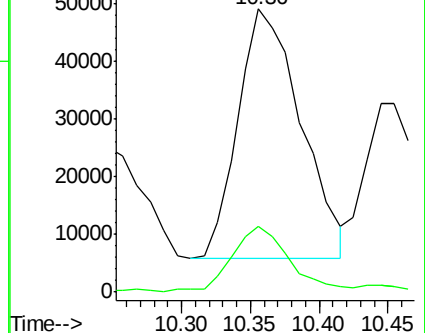
43 100

58 23.4 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#55

1,1,2-Trichloroethane

Concen: 2257.329 ug/l

RT: 11.10 min Scan# 983

Delta R.T. -0.08 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Tgt Ion: 97 Resp: 1954261

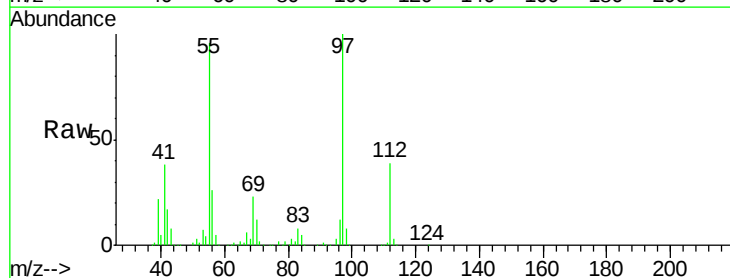
Ion Ratio Lower Upper

97 100

83 7.9 66.6 100.0#

85 0.3 46.4 69.6#

99 0.2 52.4 78.6#

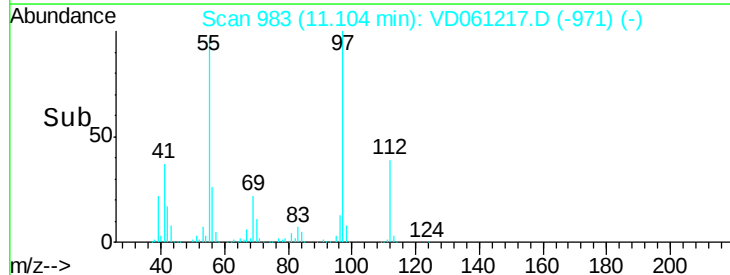
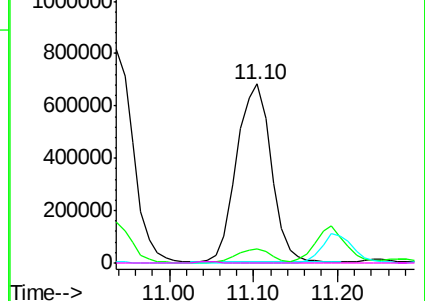


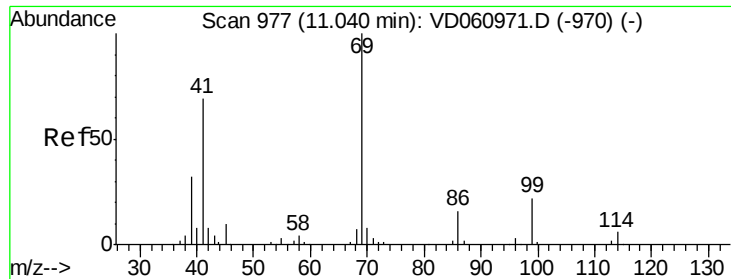
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

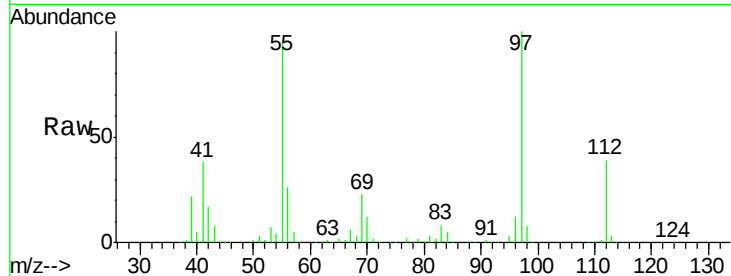




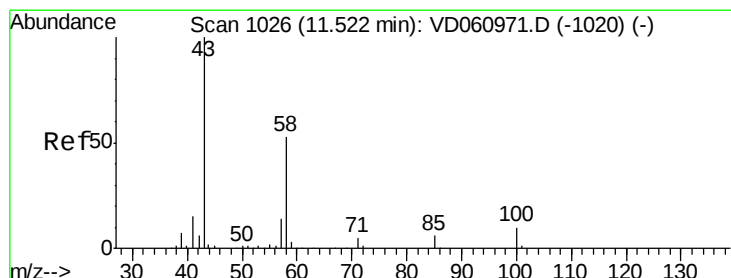
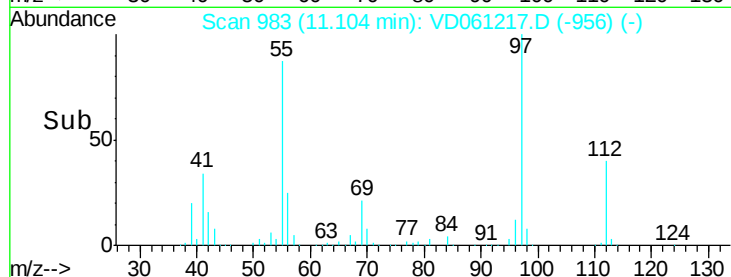
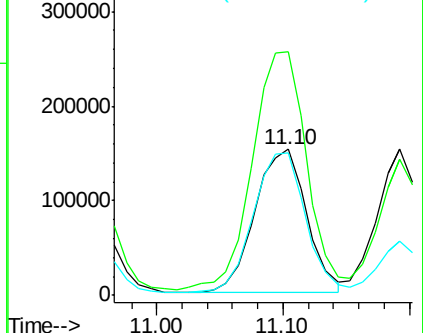
#56
Ethyl methacrylate
Concen: 474.536 ug/l
RT: 11.10 min Scan# 983
Delta R.T. 0.06 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

Tot Ion: 69 Resp: 430016
Ion Ratio Lower Upper
69 100
41 166.9 55.5 83.3#
39 97.4 26.2 39.2#

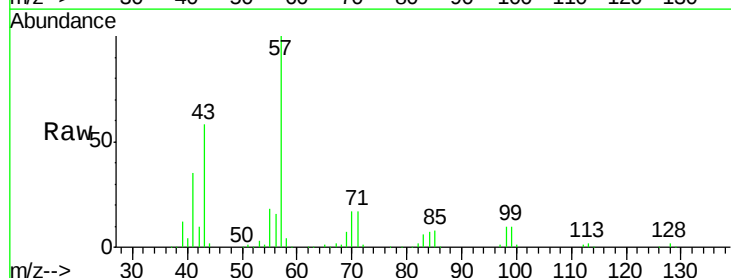


Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

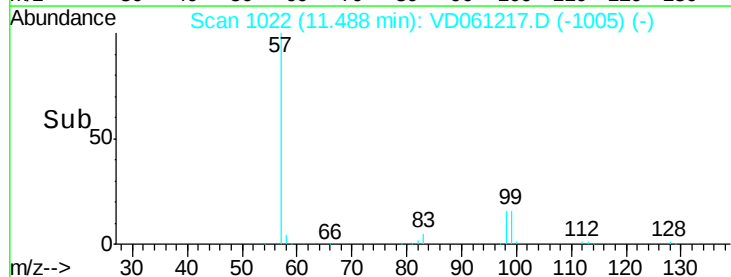
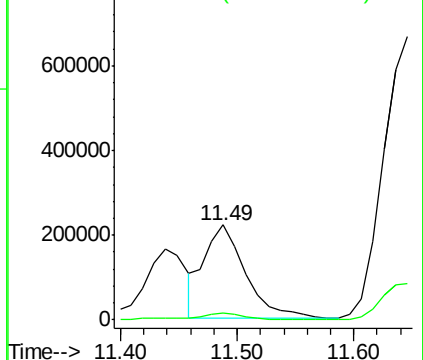


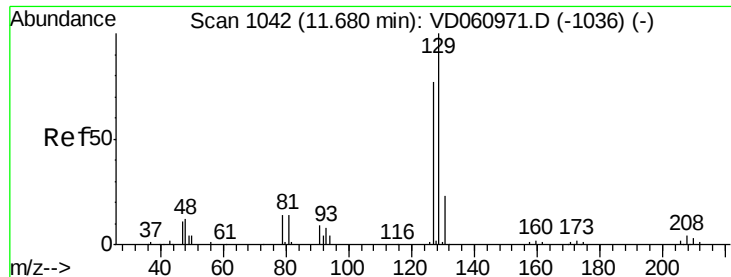
#59
2-Hexanone
Concen: 1096.990 ug/l
RT: 11.49 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 43 Resp: 534571
Ion Ratio Lower Upper
43 100
58 7.6 26.5 79.5#



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

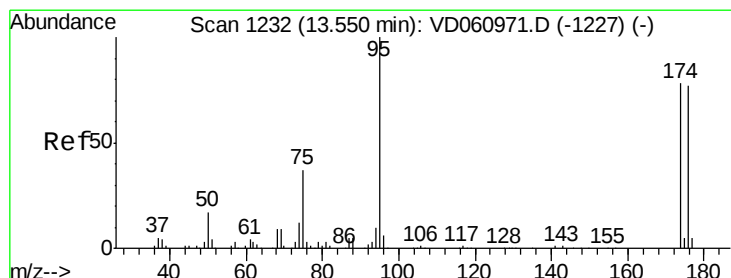
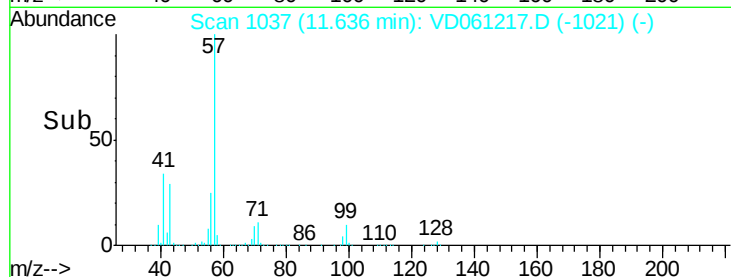
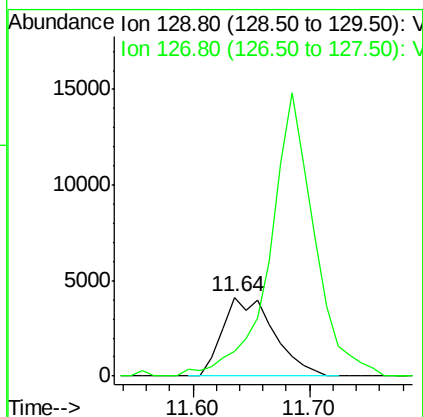
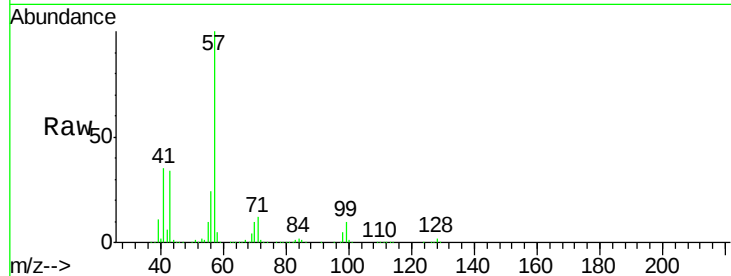




#60
Dibromochloromethane
Concen: 9.903 ug/l
RT: 11.64 min Scan# 1037
Delta R.T. -0.04 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

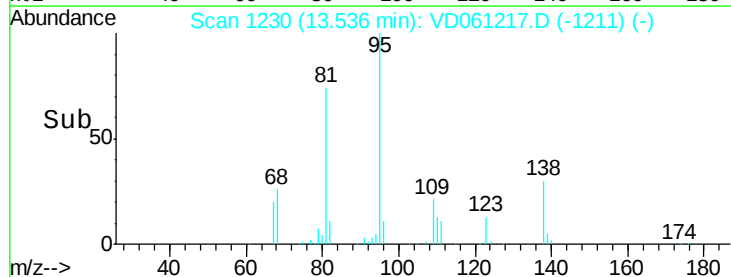
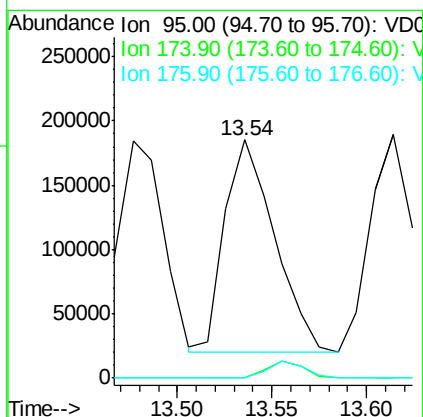
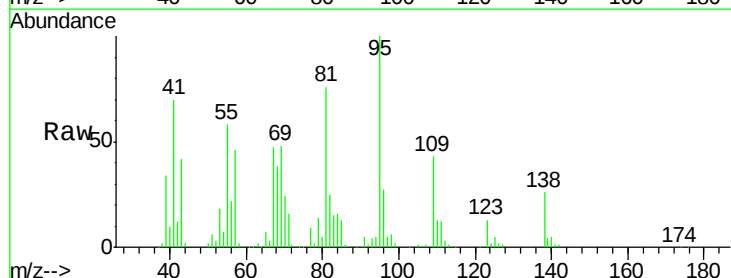
Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

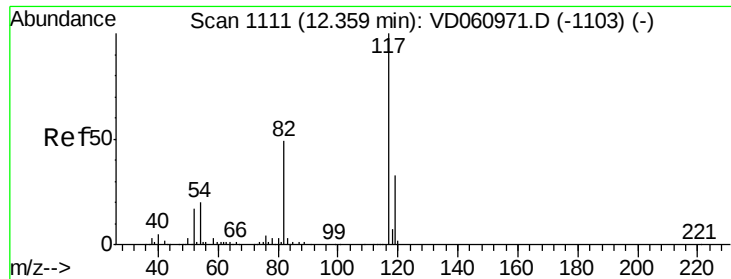
Tot Ion:129 Resp: 12618
Ion Ratio Lower Upper
129 100
127 30.9 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 95 Resp: 301746
Ion Ratio Lower Upper
95 100
174 0.2 0.0 155.6
176 0.4 0.0 153.8

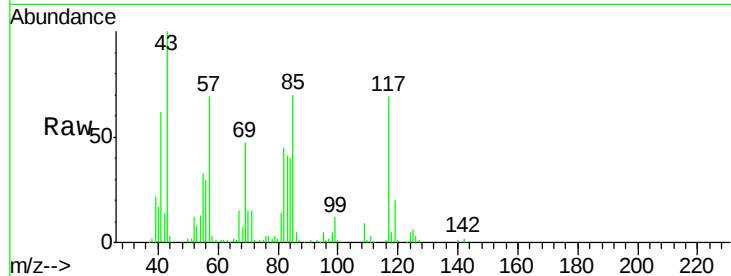




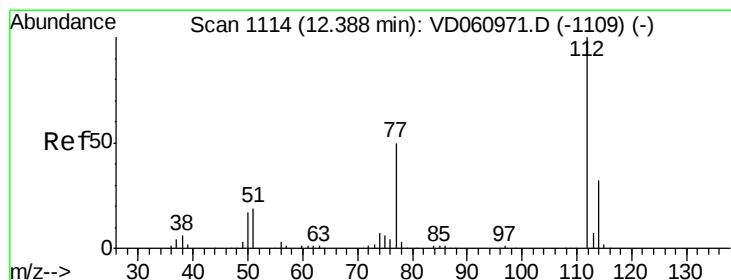
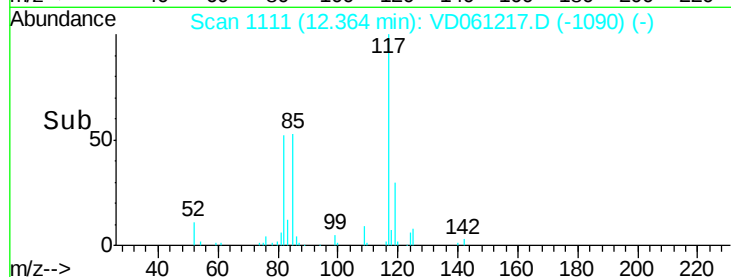
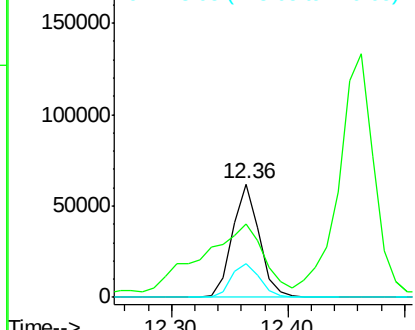
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

Tot Ion:117 Resp: 98750
Ion Ratio Lower Upper
117 100
82 64.7 38.9 58.3#
119 29.5 26.6 39.8

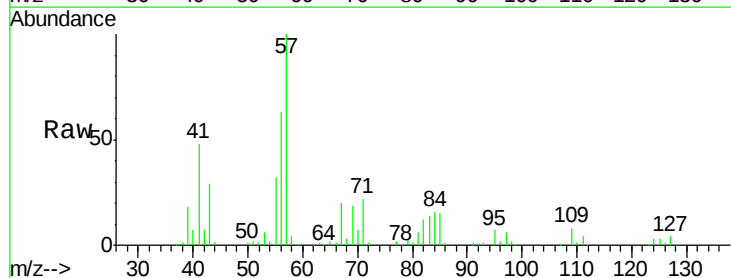


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

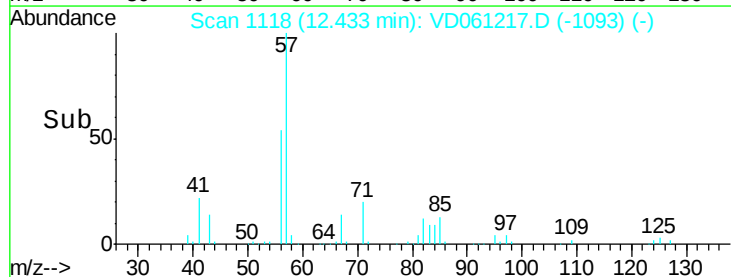
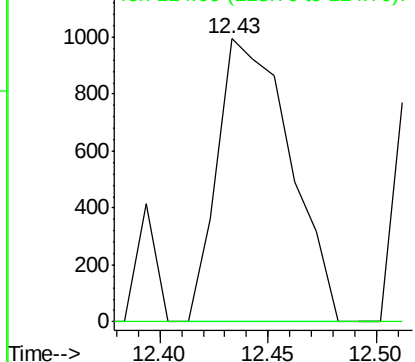


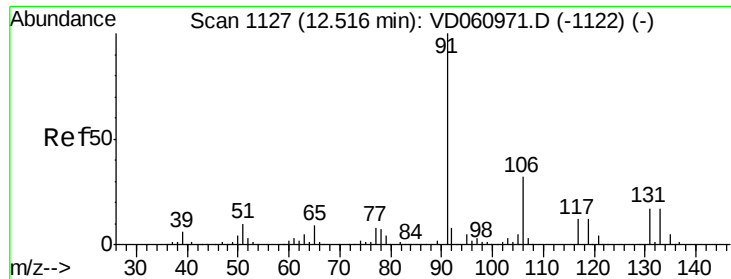
#65
Chlorobenzene
Concen: 1.206 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.04 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion:112 Resp: 2335
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

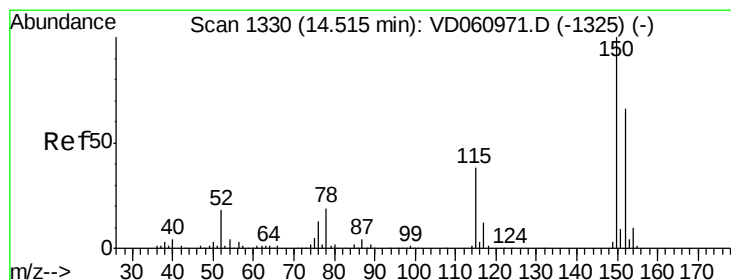
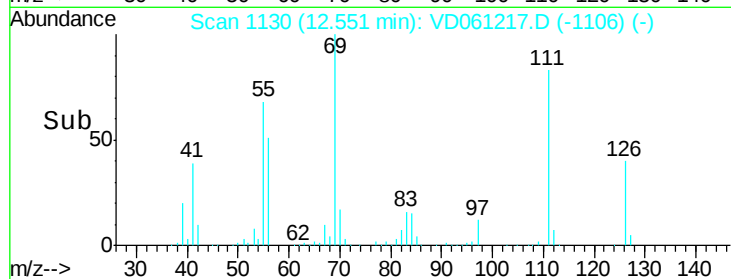
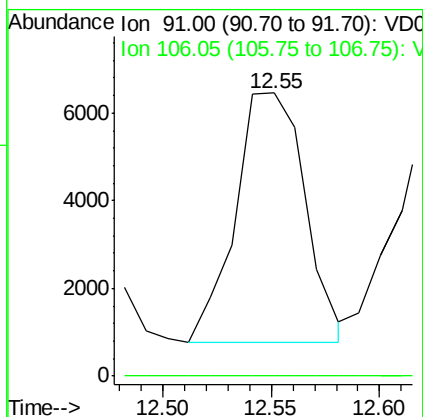
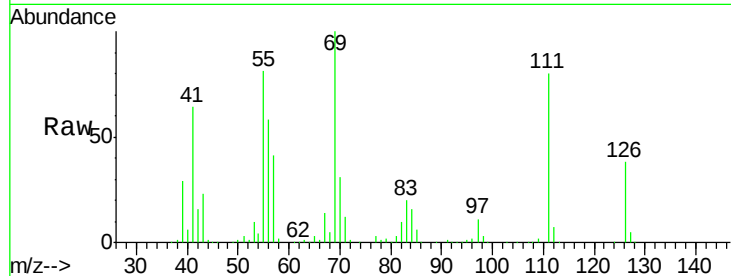




#67
Ethyl Benzene
Concen: 4.431 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

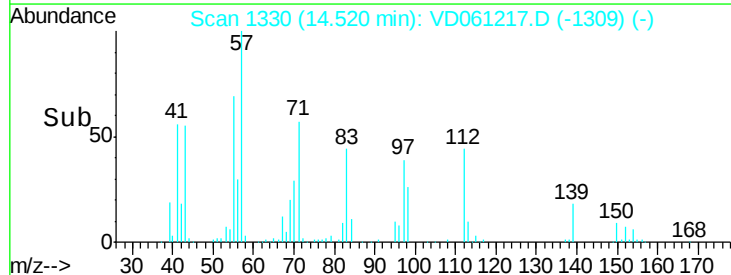
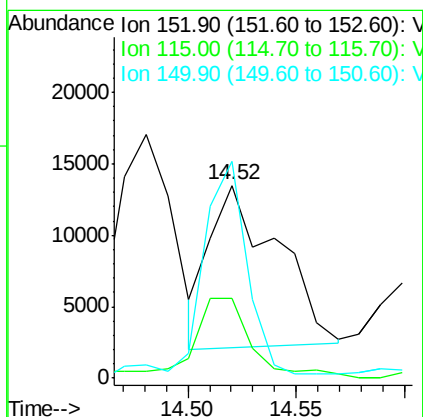
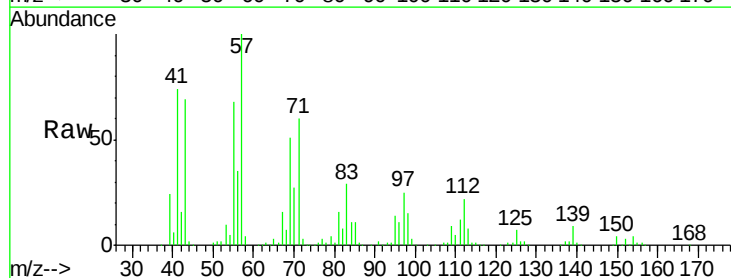
Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

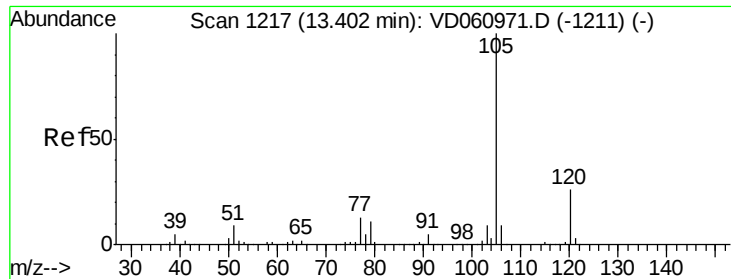
Tot Ion: 91 Resp: 12771
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 152 Resp: 24819
Ion Ratio Lower Upper
152 100
115 41.6 28.6 85.9
150 112.7 0.0 310.6





#73

Isopropylbenzene

Concen: 2.492 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

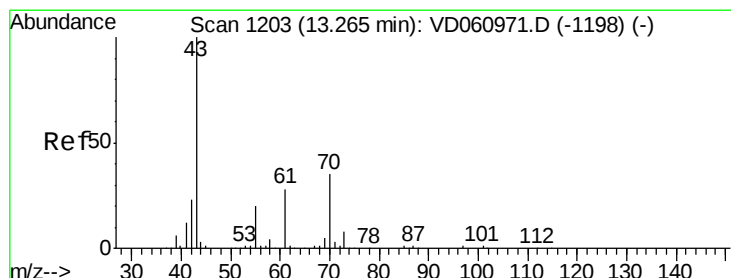
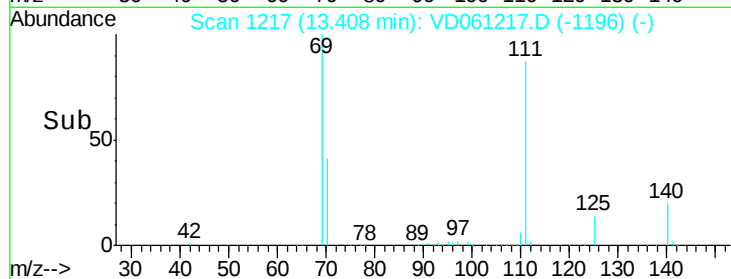
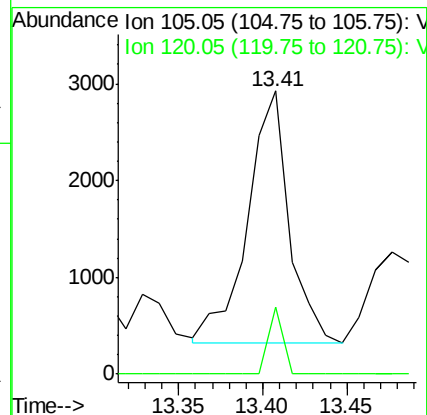
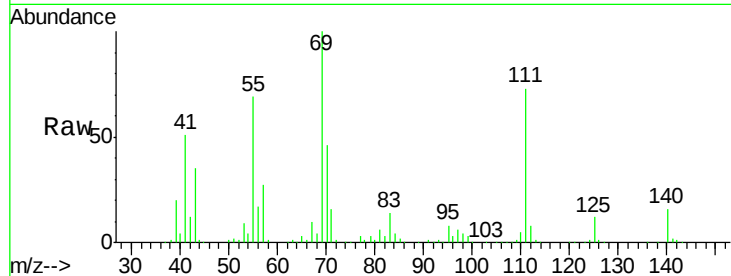
SB-19(7.5-8.5)

Tot Ion:105 Resp: 4457

Ion Ratio Lower Upper

105 100

120 23.9 12.8 38.4



#74

N-ethyl acetate

Concen: 2601.700 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Tgt Ion: 43 Resp: 1310329

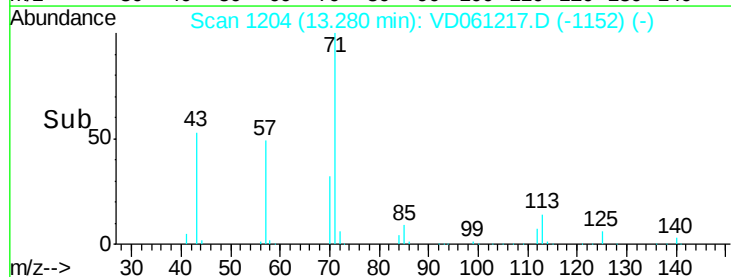
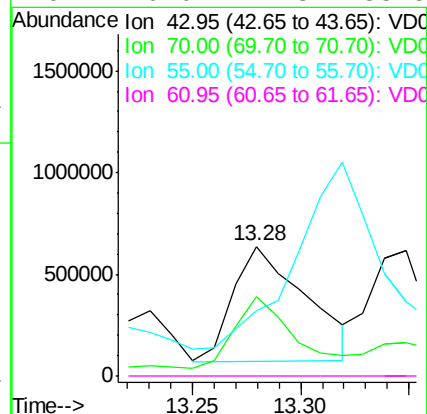
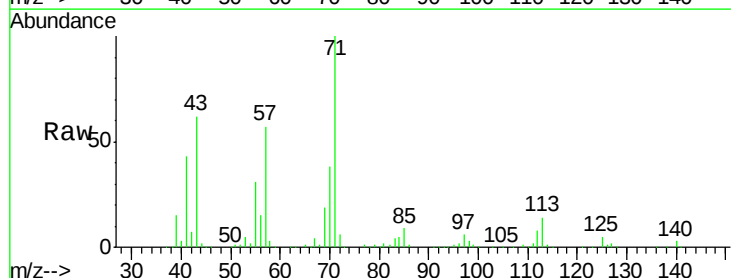
Ion Ratio Lower Upper

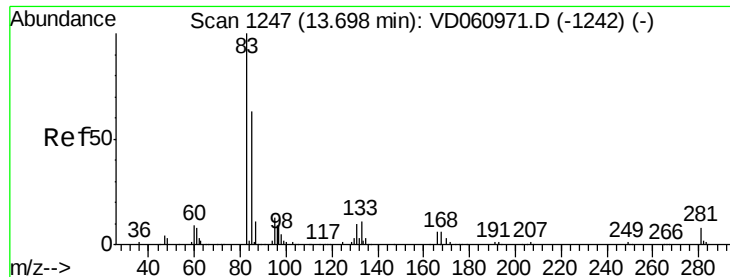
43 100

70 61.0 27.7 41.5#

55 50.6 16.2 24.2#

61 0.0 22.3 33.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 1133.295 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

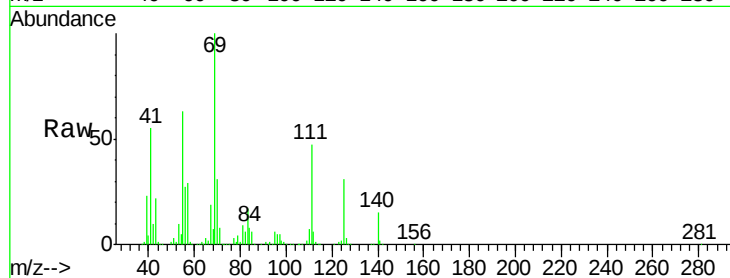
Tot Ion: 83 Resp: 395494

Ion Ratio Lower Upper

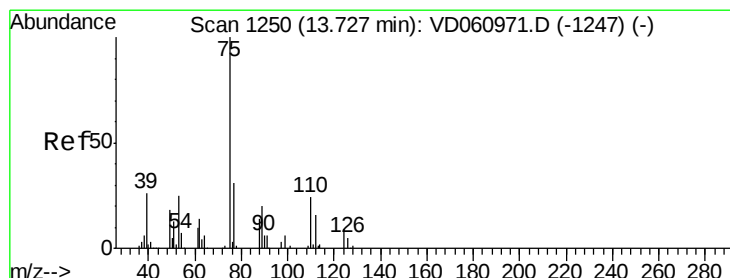
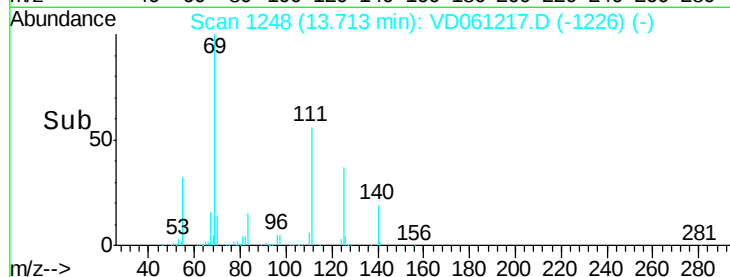
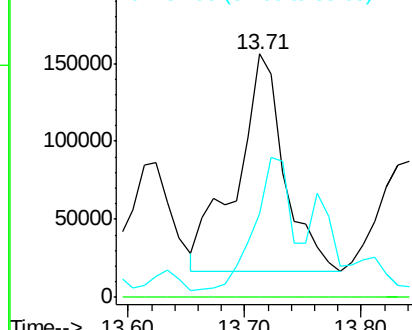
83 100

131 0.0 5.1 15.3#

85 34.4 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: 2.770 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061217.D

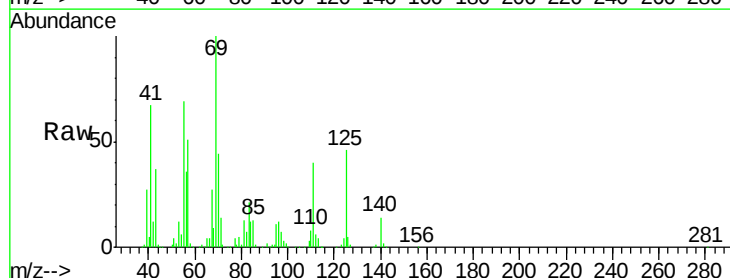
Acq: 20 Mar 2019 19:26

Tgt Ion: 75 Resp: 989

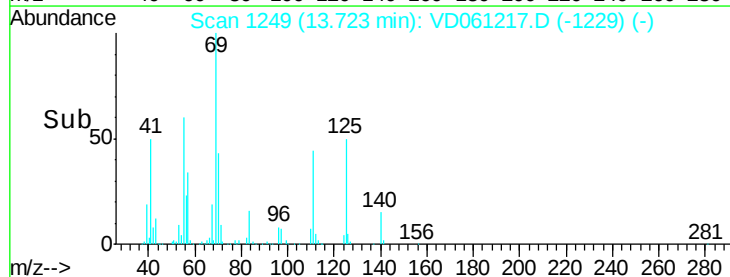
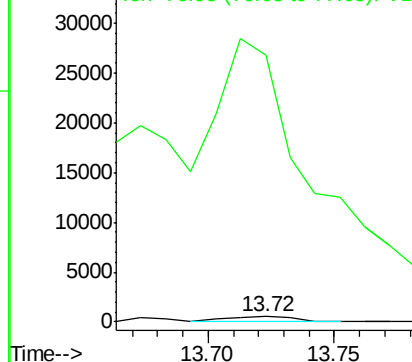
Ion Ratio Lower Upper

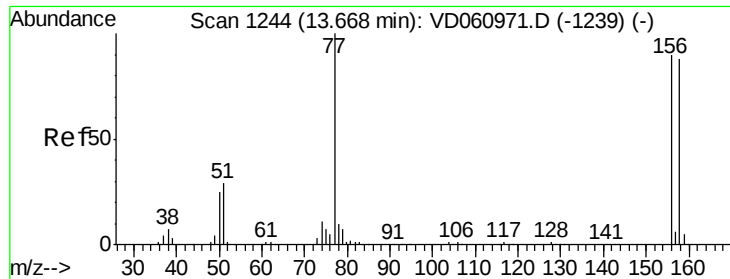
75 100

77 5323.8 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: 6.014 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.06 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

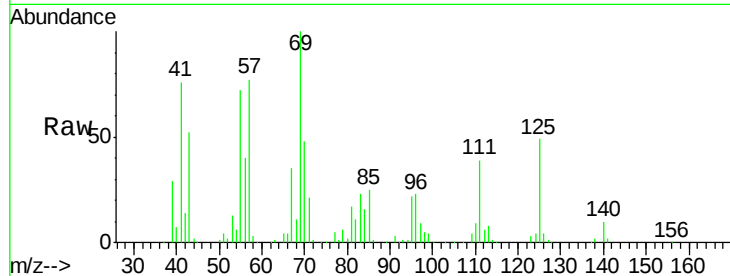
Tot Ion:156 Resp: 2746

Ion Ratio Lower Upper

156 100

77 1019.8 55.5 166.7#

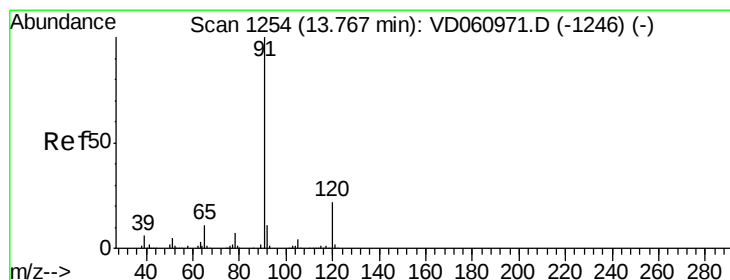
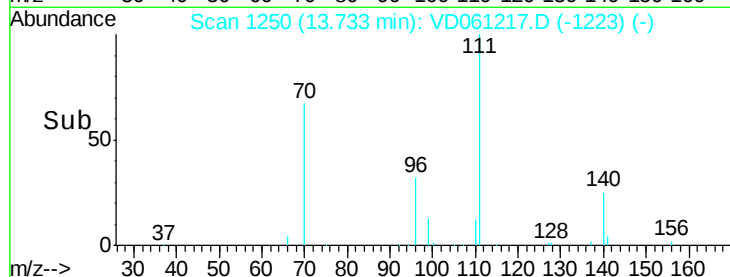
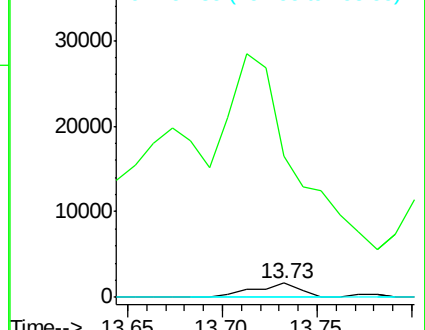
158 0.0 49.0 147.0#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 9.269 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.04 min

Lab File: VD061217.D

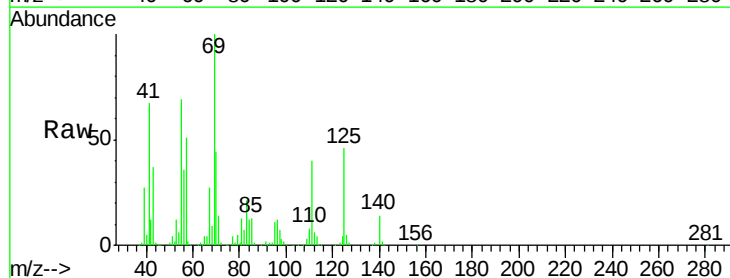
Acq: 20 Mar 2019 19:26

Tgt Ion: 91 Resp: 19408

Ion Ratio Lower Upper

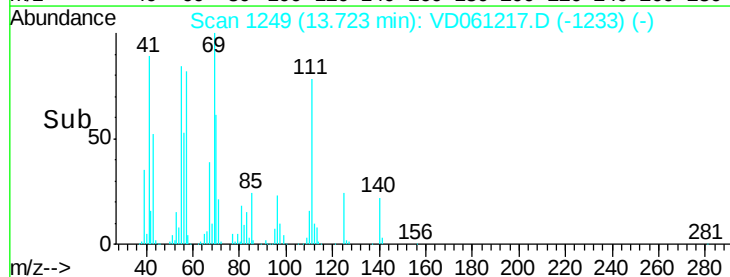
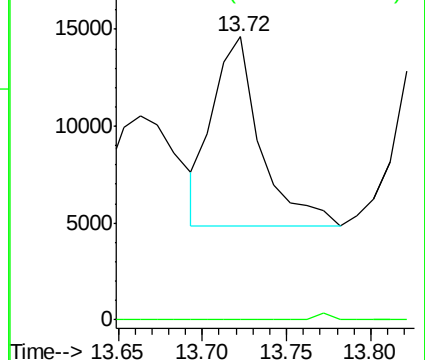
91 100

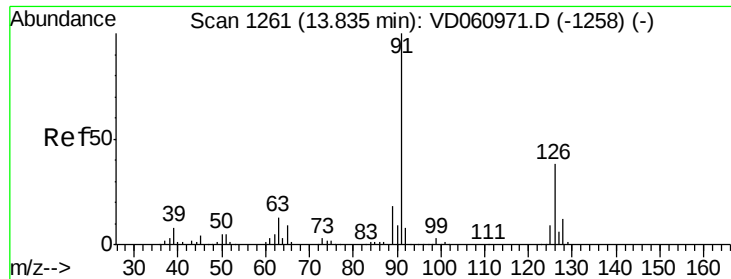
120 0.0 10.8 32.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 13.849 ug/l

RT: 13.98 min Scan# 1275

Delta R.T. 0.14 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

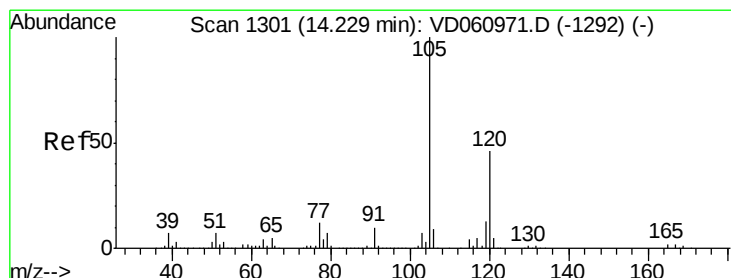
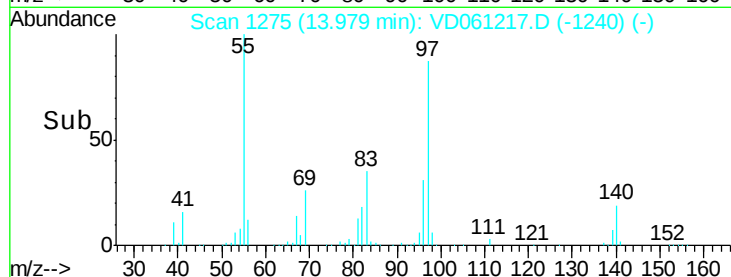
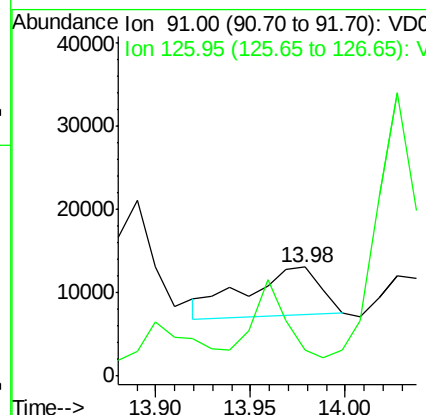
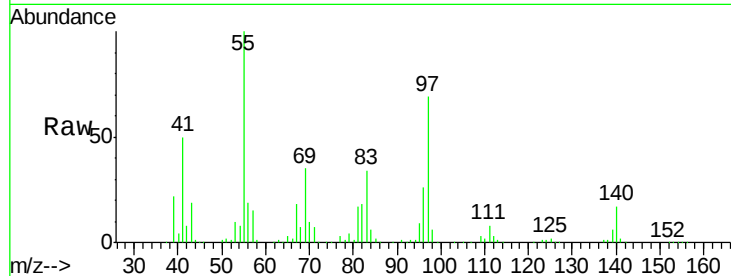
SB-19(7.5-8.5)

Tot Ion: 91 Resp: 15965

Ion Ratio Lower Upper

91 100

126 24.1 18.6 55.6



#80

1,3,5-Trimethylbenzene

Concen: 9.221 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061217.D

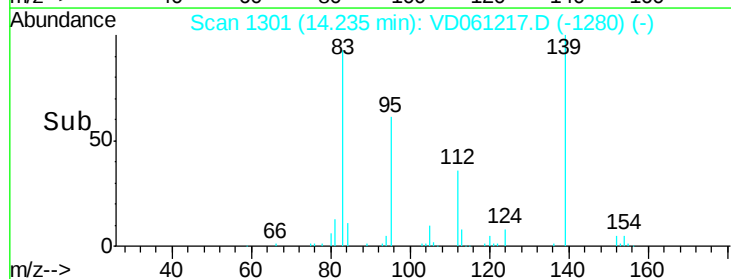
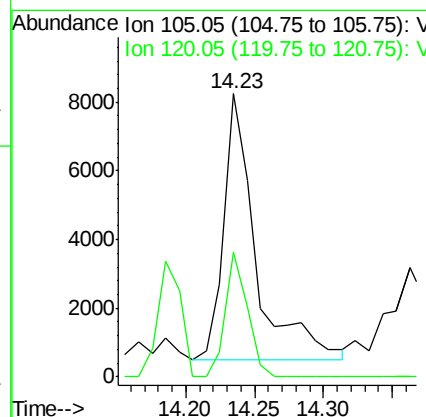
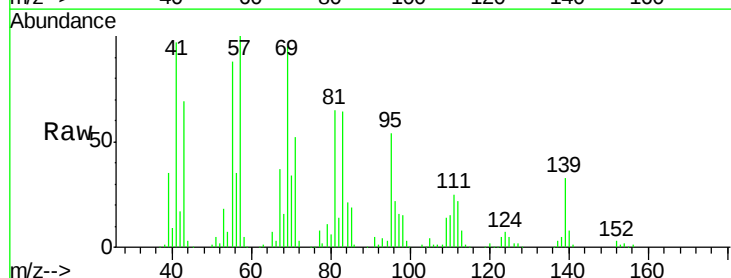
Acq: 20 Mar 2019 19:26

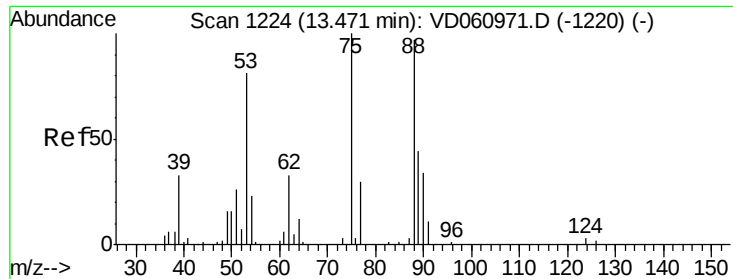
Tgt Ion: 105 Resp: 12521

Ion Ratio Lower Upper

105 100

120 44.2 22.9 68.5

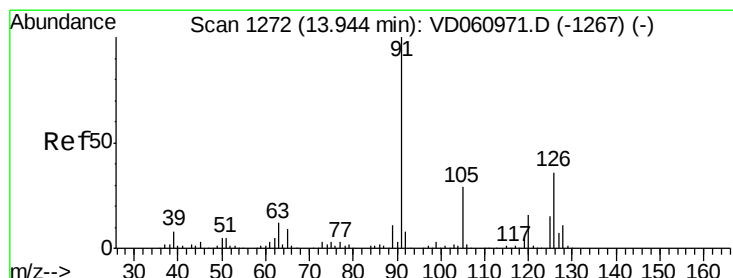
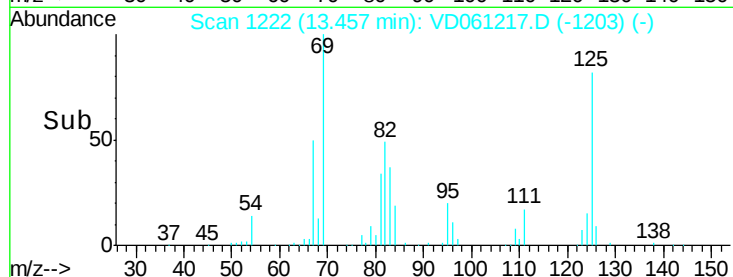
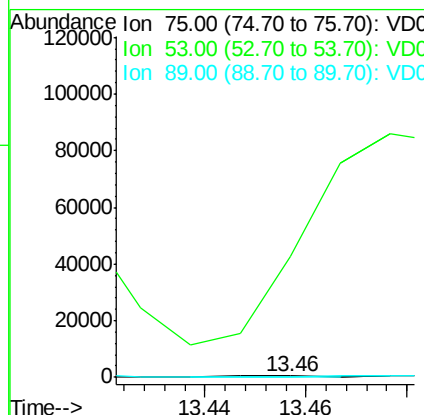
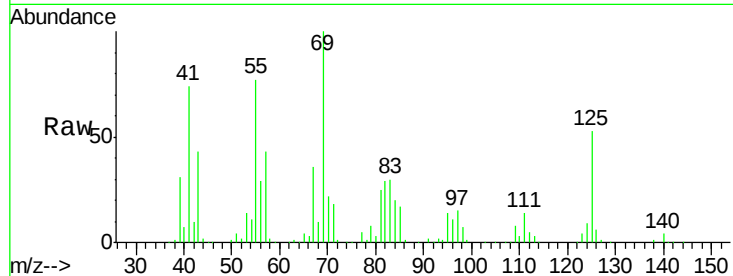




#81
trans-1,4-Dichloro-2-butene
Concen: 7.732 ug/l
RT: 13.46 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

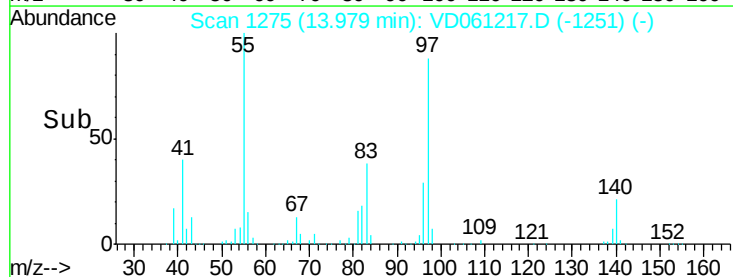
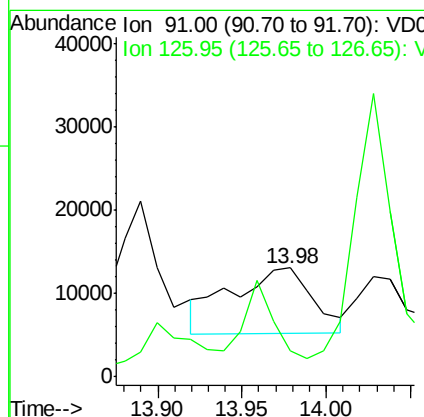
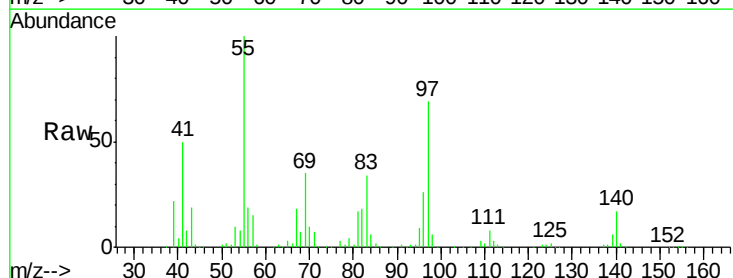
Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

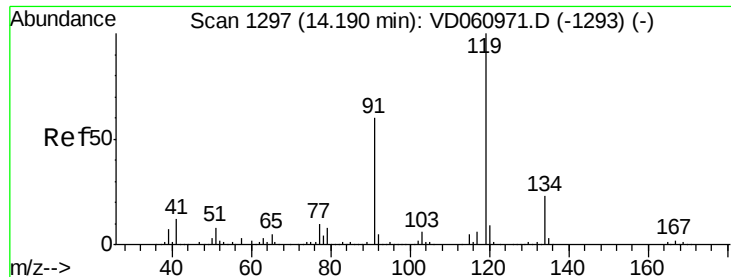
Tot Ion: 75 Resp: 814
Ion Ratio Lower Upper
75 100
53 8114.7 64.4 96.6#
89 69.2 34.8 52.2#



#82
4-Chlorotoluene
Concen: 19.279 ug/l
RT: 13.98 min Scan# 1275
Delta R.T. 0.04 min
Lab File: VD061217.D
Acq: 20 Mar 2019 19:26

Tgt Ion: 91 Resp: 26275
Ion Ratio Lower Upper
91 100
126 24.1 18.0 54.0





#83

tert-Butylbenzene

Concen: 29.201 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

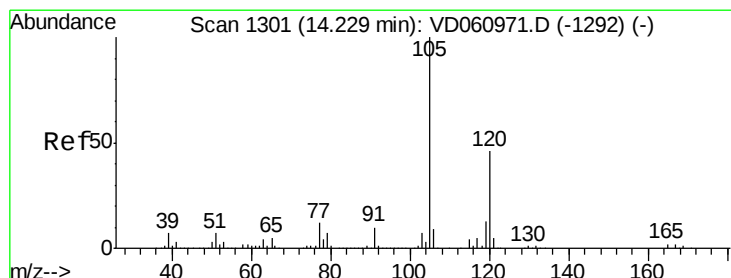
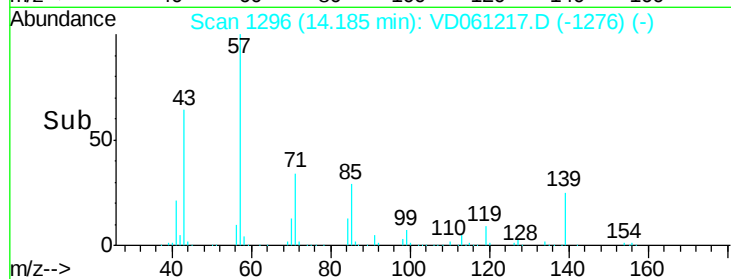
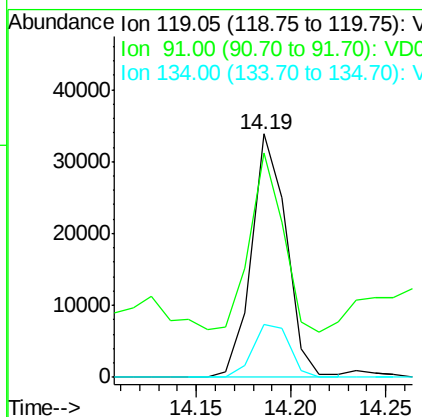
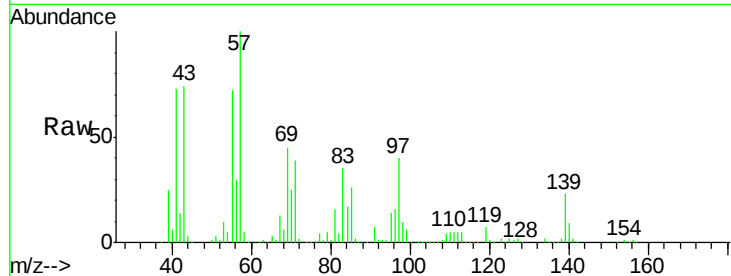
Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
SB-19(7.5-8.5)

Tot Ion:119 Resp: 43394

Ion	Ratio	Lower	Upper
119	100		
91	92.4	30.1	90.3#
134	22.0	11.6	34.7



#84

1,2,4-Trimethylbenzene

Concen: 9.221 ug/l

RT: 14.23 min Scan# 1301

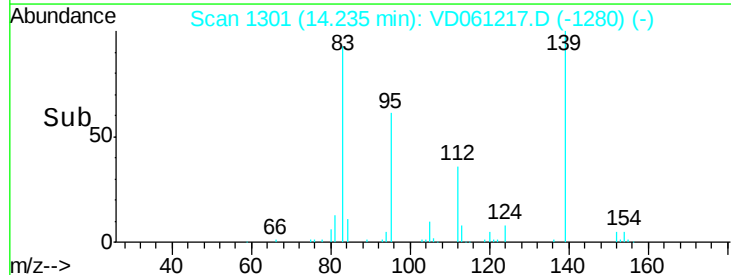
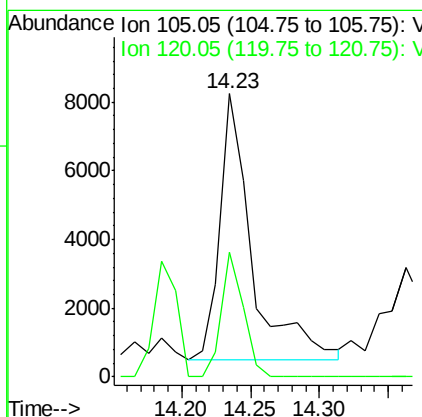
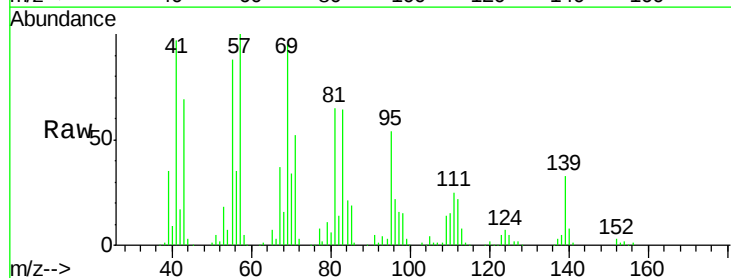
Delta R.T. 0.01 min

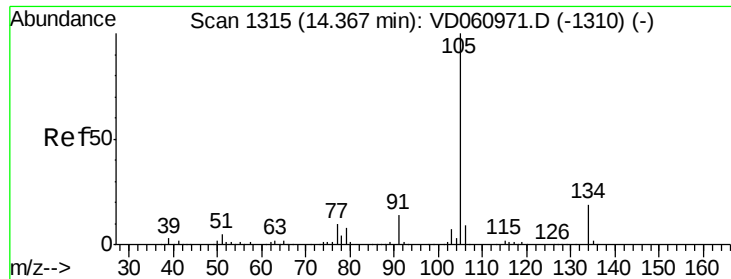
Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Tgt Ion:105 Resp: 12521

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.9	68.5





#85

sec-Butylbenzene

Concen: 2.030 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.12 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleID :

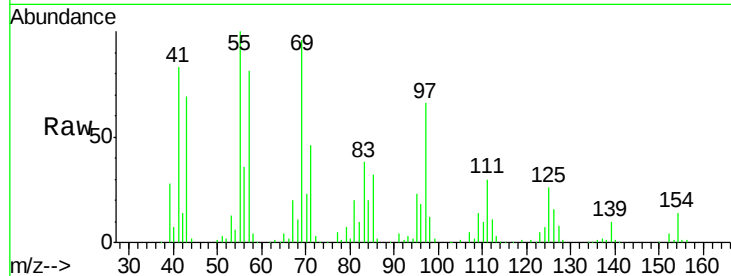
SB-19(7.5-8.5)

Tot Ion:105 Resp: 3682

Ion Ratio Lower Upper

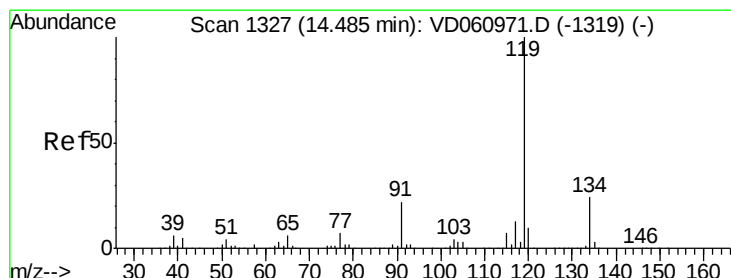
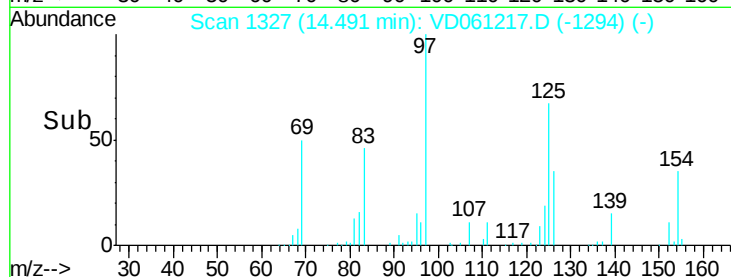
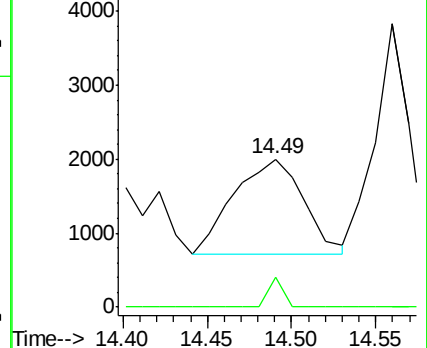
105 100

134 20.6 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 1.711 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

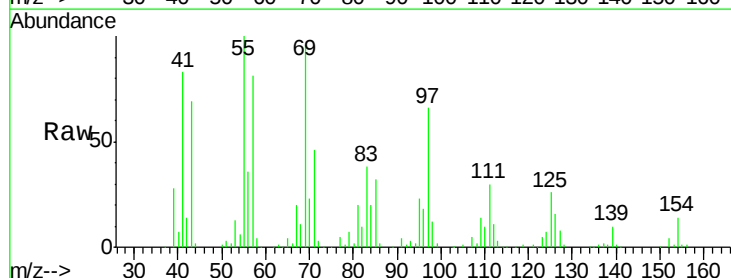
Tgt Ion:119 Resp: 2537

Ion Ratio Lower Upper

119 100

134 21.0 12.0 36.1

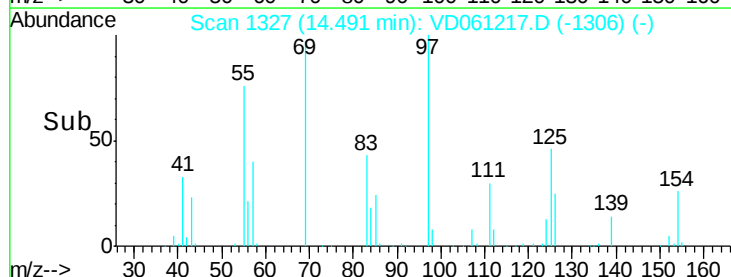
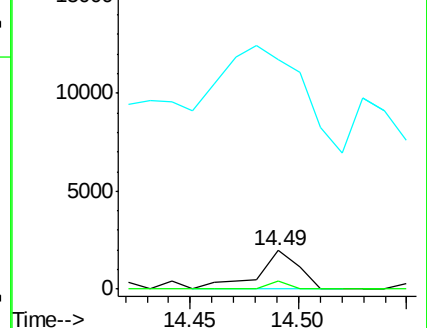
91 599.8 11.2 33.6#

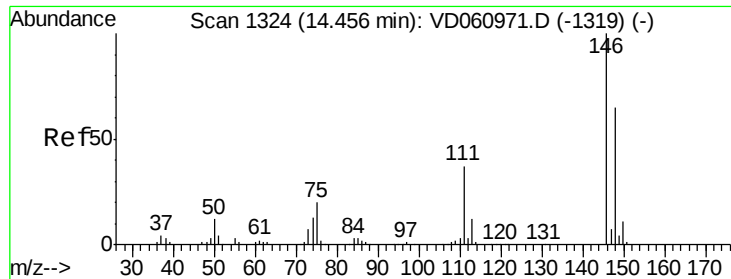


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

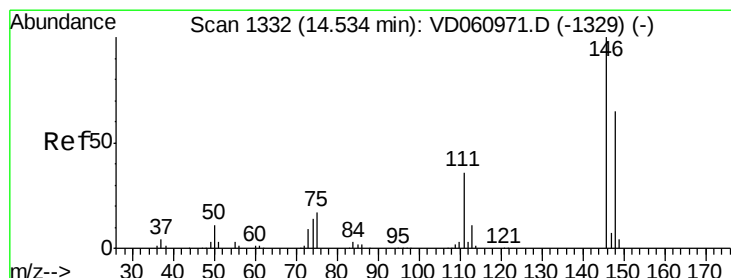
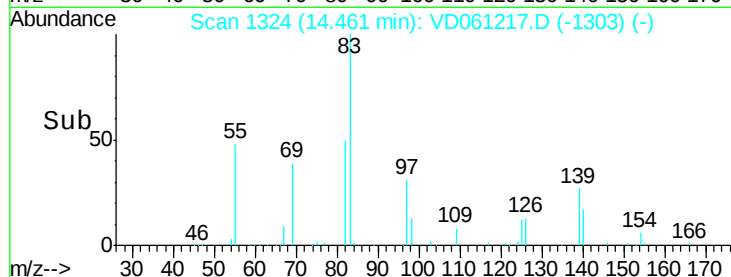
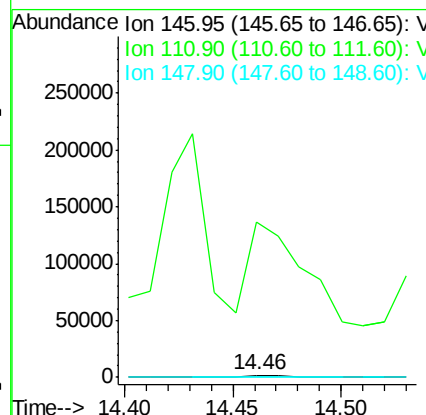
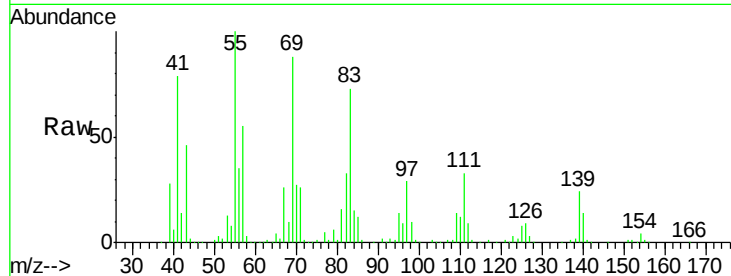




#87
 1,3-Dichlorobenzene
 Concen: 2.692 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061217.D
 Acq: 20 Mar 2019 19:26

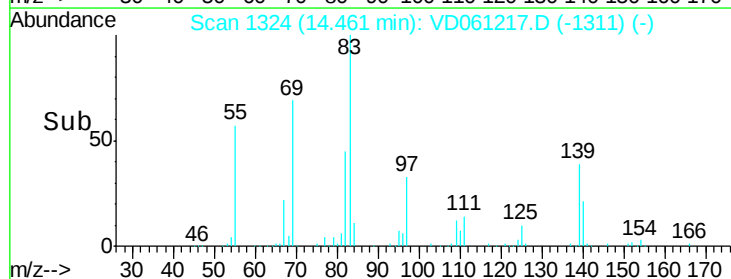
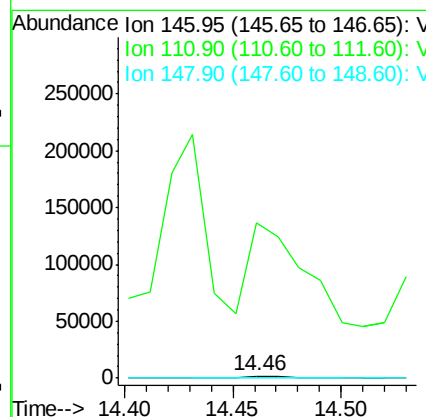
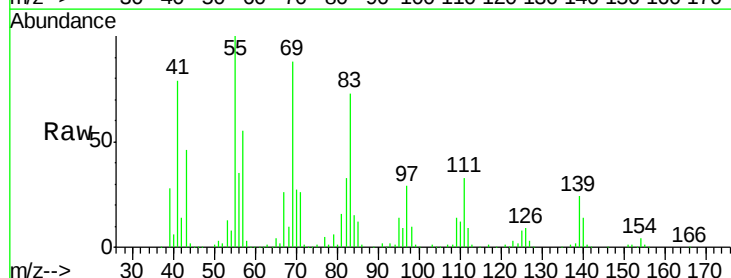
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(7.5-8.5)

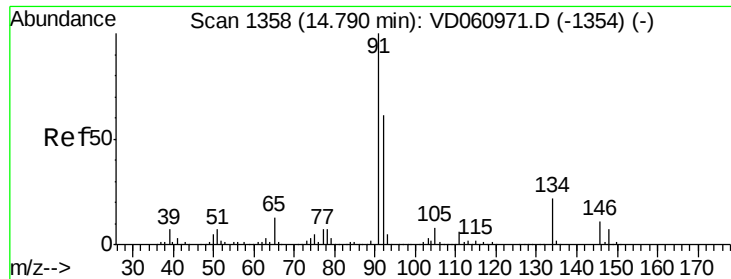
Tot Ion:146 Resp: 2195
 Ion Ratio Lower Upper
 146 100
 111 7387.3 18.4 55.4#
 148 0.0 32.5 97.4#



#88
 1,4-Dichlorobenzene
 Concen: 2.740 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: VD061217.D
 Acq: 20 Mar 2019 19:26

Tgt Ion:146 Resp: 2195
 Ion Ratio Lower Upper
 146 100
 111 7387.3 18.4 55.2#
 148 0.0 32.5 97.5#





#89

n-Butylbenzene

Concen: 38.191 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

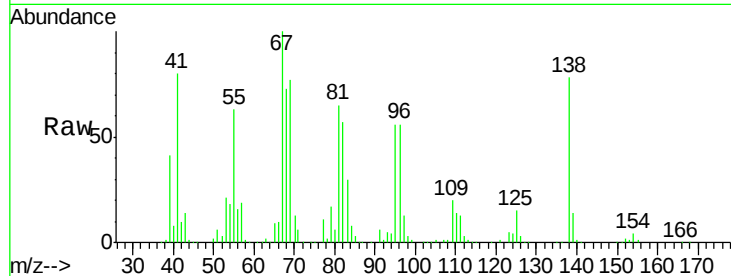
Tot Ion: 91 Resp: 54386

Ion Ratio Lower Upper

91 100

92 15.2 30.6 91.8#

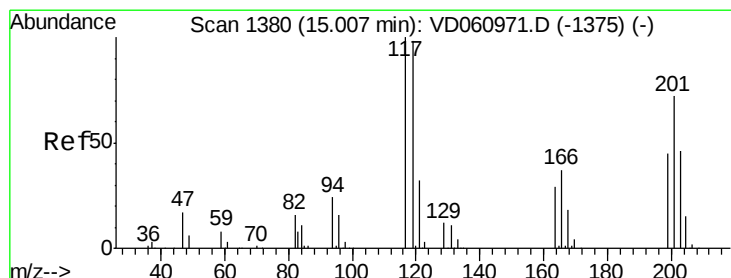
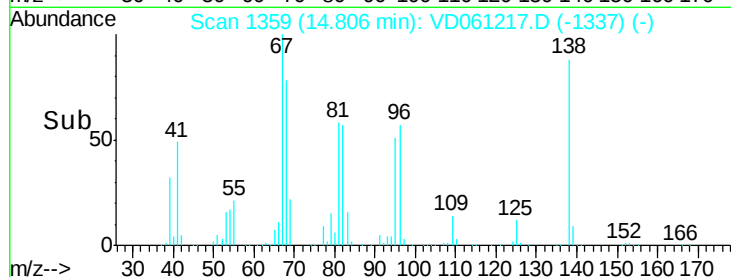
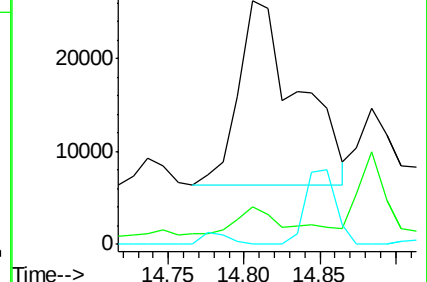
134 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 64.543 ug/l

RT: 15.05 min Scan# 1384

Delta R.T. 0.04 min

Lab File: VD061217.D

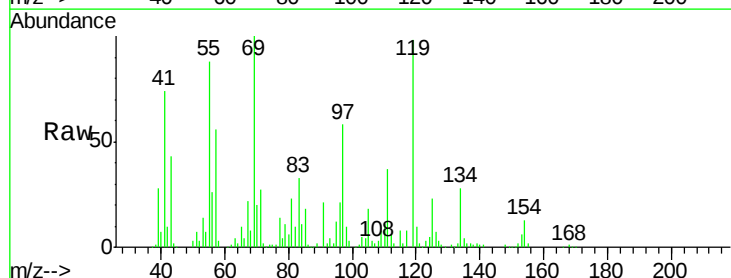
Acq: 20 Mar 2019 19:26

Tgt Ion: 117 Resp: 27026

Ion Ratio Lower Upper

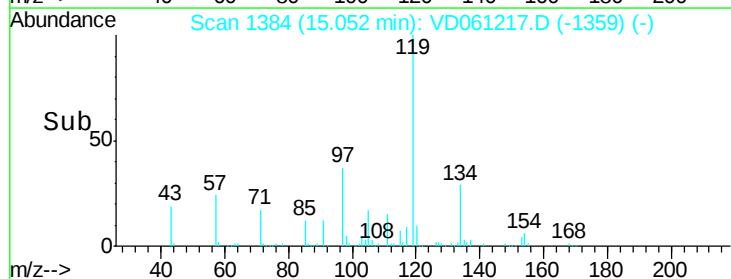
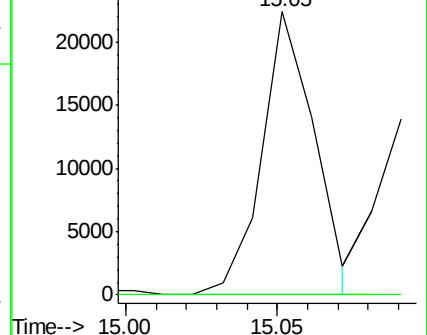
117 100

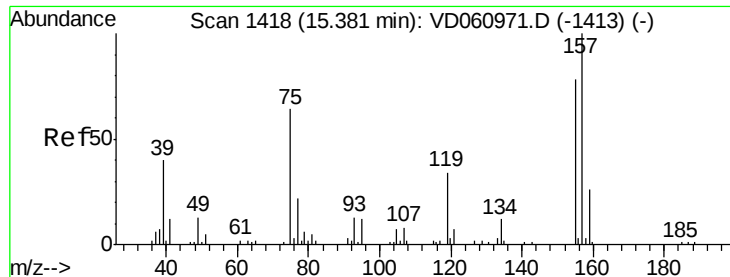
201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.766 ug/l

RT: 15.34 min Scan# 1413

Delta R.T. -0.04 min

Lab File: VD061217.D

Acq: 20 Mar 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

SB-19(7.5-8.5)

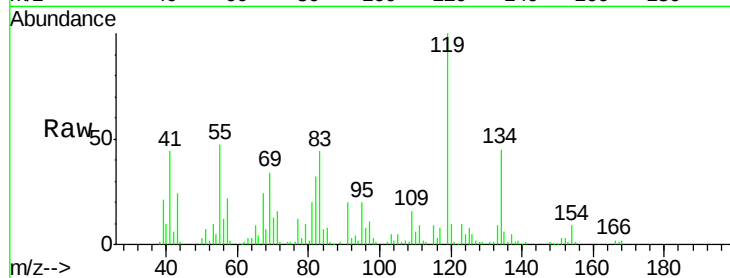
Tot Ion: 75 Resp: 2219

Ion Ratio Lower Upper

75 100

155 126.4 61.2 183.5

157 0.0 78.3 234.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

