

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060019.D
 Acq On : 17 Sep 2018 14:13
 Operator : JC/SY
 Sample : J4775-05RE
 Misc : 6.78g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 17 16:31:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1177698	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	1737165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1112026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	311653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	443391	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	6.31	113	547026	40.31	ug/l	0.00
Spiked Amount			Recovery	=	80.62%	
50) Toluene-d8	9.45	98	1311972	34.88	ug/l	0.00
Spiked Amount			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	12.42	95	364295	25.35	ug/l	0.00
Spiked Amount			Recovery	=	50.70%	

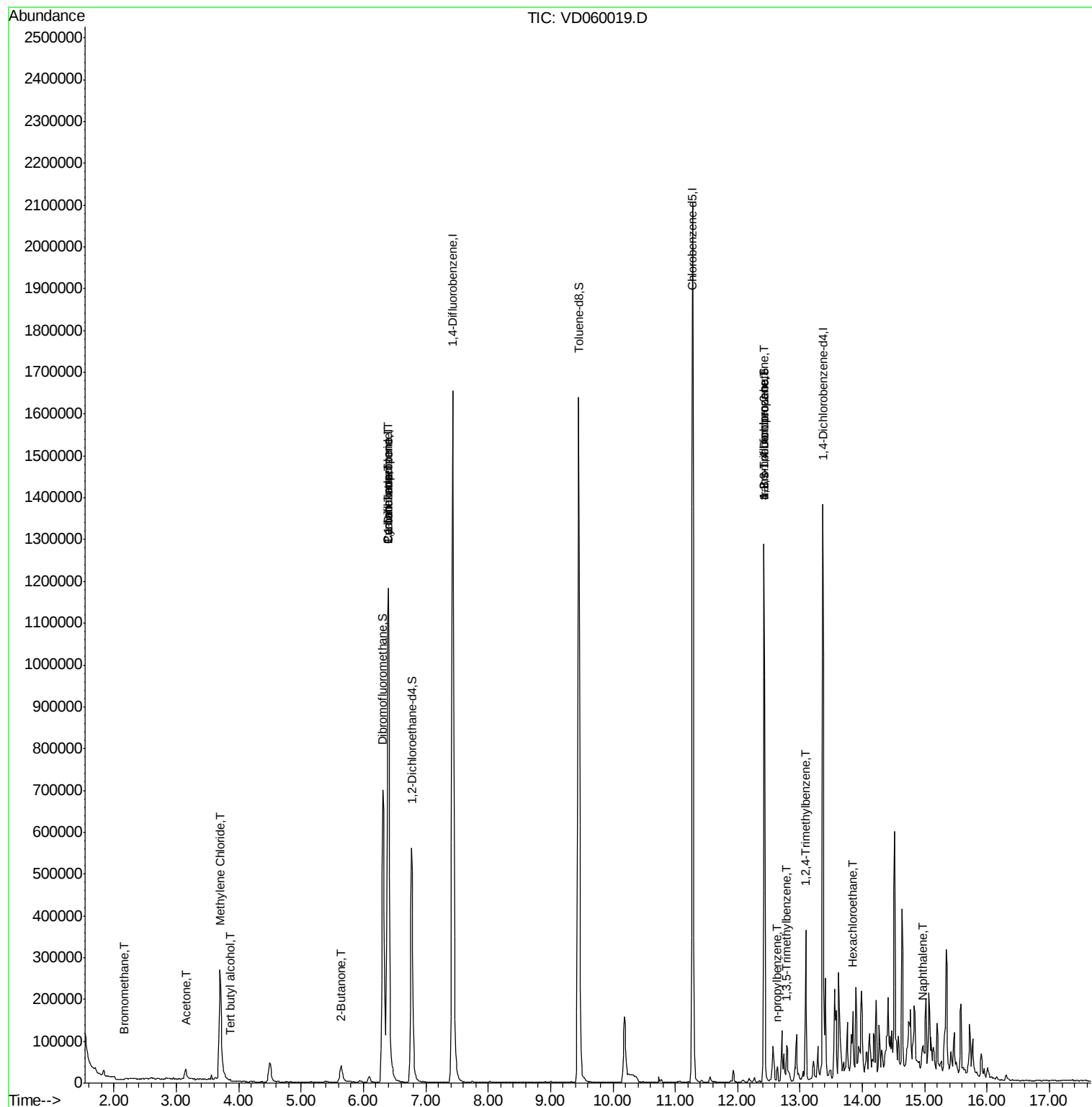
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1285	1.230	ug/l #	1
11) Tert butyl alcohol	3.86	59	944	1.274	ug/l #	74
16) Acetone	3.15	43	49700	28.029	ug/l	98
20) Methylene Chloride	3.70	84	159285	6.329	ug/l	96
25) 2-Butanone	5.63	43	8524	1.781	ug/l #	61
31) Cyclohexane	6.40	56	21569	1.057	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	82199	4.763	ug/l #	47
38) Carbon Tetrachloride	6.40	117	90504	5.618	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	2135	Below Cal	#	42
59) 2-Hexanone	10.47	43	877	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	116986	24.578	ug/l #	44
78) n-propylbenzene	12.64	91	25708	1.000	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	38093	2.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.42	75	147560	102.700	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.09	105	147651	8.832	ug/l	99
90) Hexachloroethane	13.85	117	8231	1.907	ug/l #	7
91) 1,2-Dichlorobenzene	13.65	146	697	Below Cal	#	11
95) Naphthalene	14.96	128	28508	2.530	ug/l	98

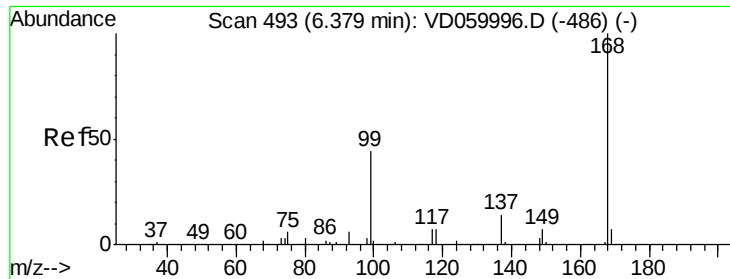
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060019.D

Acq: 17 Sep 2018 14:13

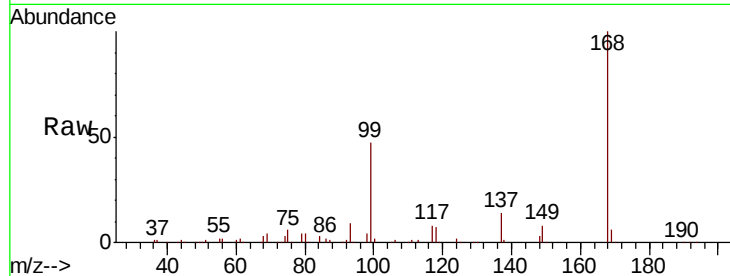
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1177698

Ion Ratio Lower Upper

168 100

99 46.9 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

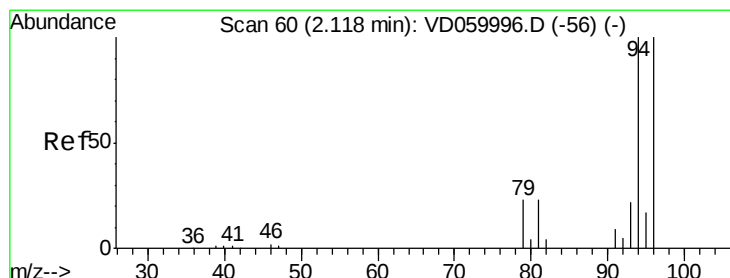
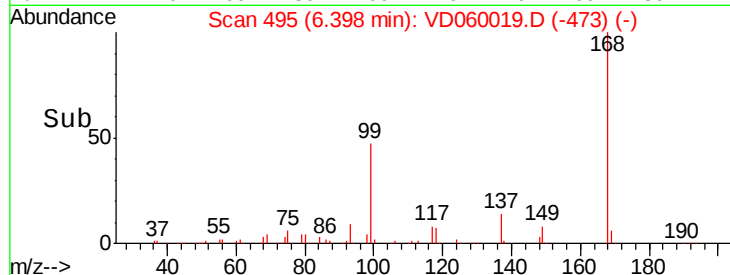
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.230 ug/l

RT: 2.16 min Scan# 64

Delta R.T. 0.04 min

Lab File: VD060019.D

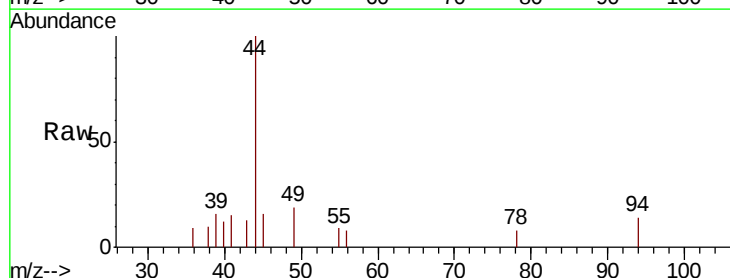
Acq: 17 Sep 2018 14:13

Tgt Ion: 94 Resp: 1285

Ion Ratio Lower Upper

94 100

96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

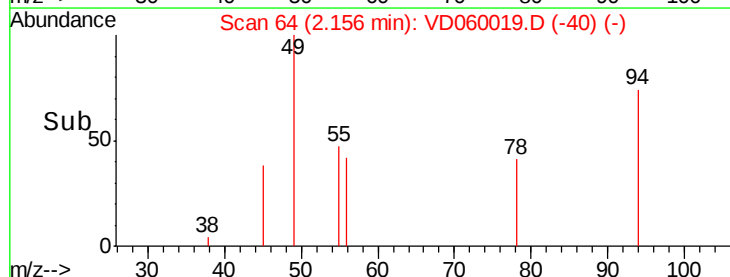
600

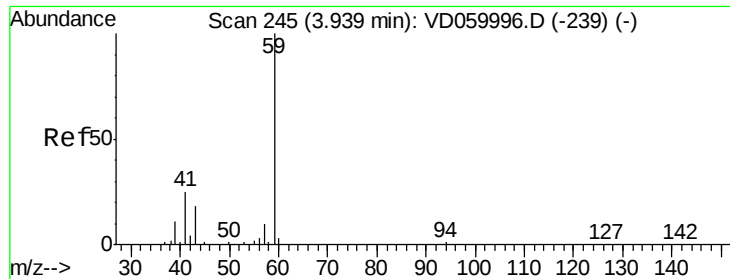
400

200

0

Time-->

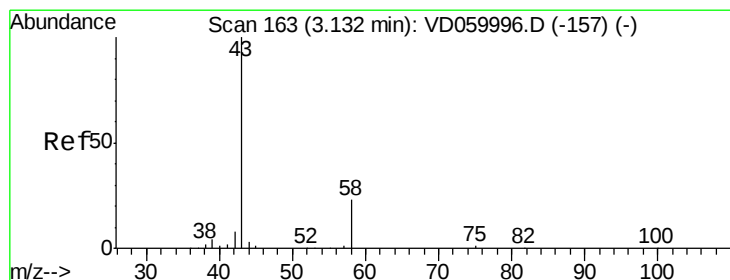
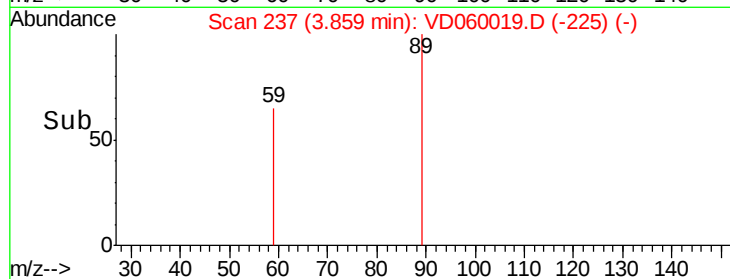
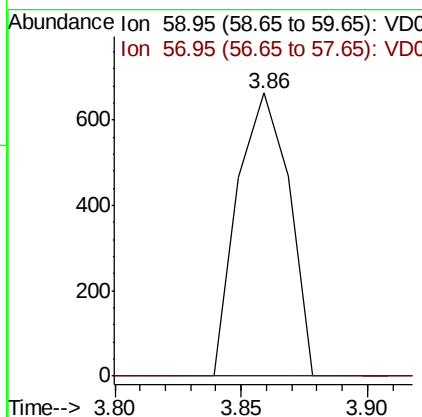
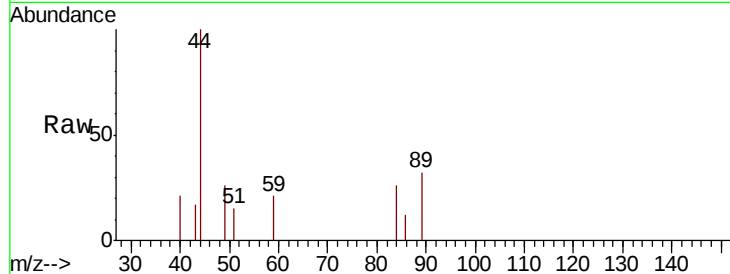




#11
Tert butyl alcohol
Concen: 1.274 ug/l
RT: 3.86 min Scan# 237
Delta R.T. -0.08 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

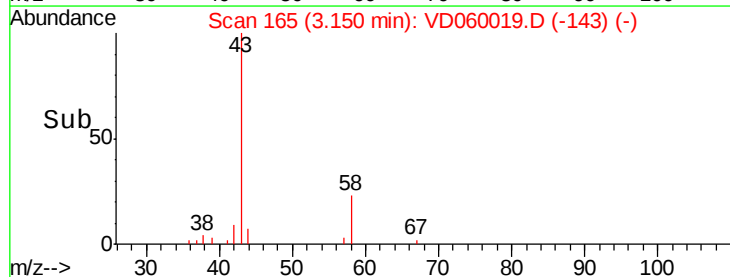
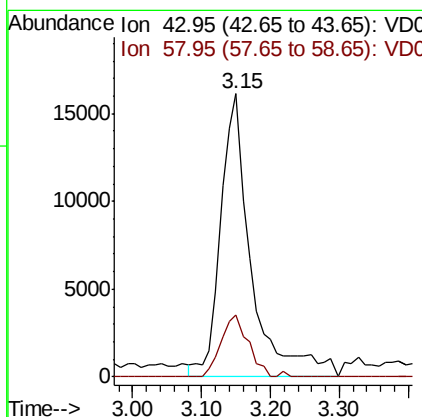
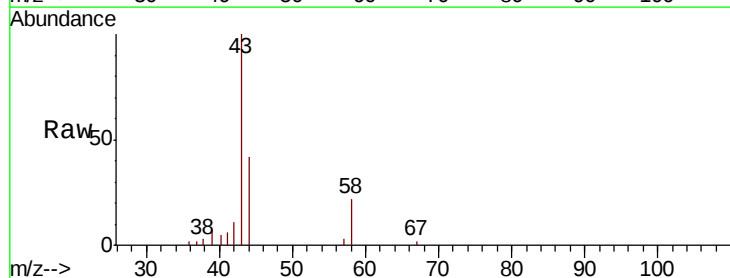
Instrument :
MSVOA_D
ClientSampled :

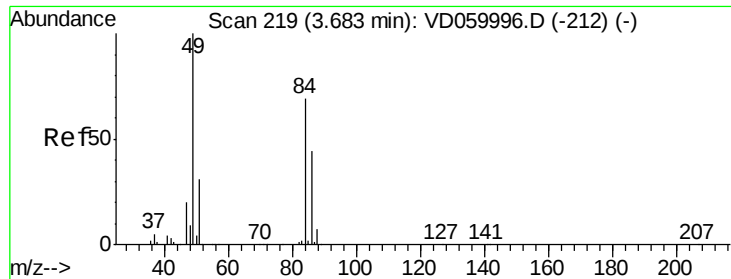
Tot Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 28.029 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion: 43 Resp: 49700
Ion Ratio Lower Upper
43 100
58 21.9 18.1 27.1

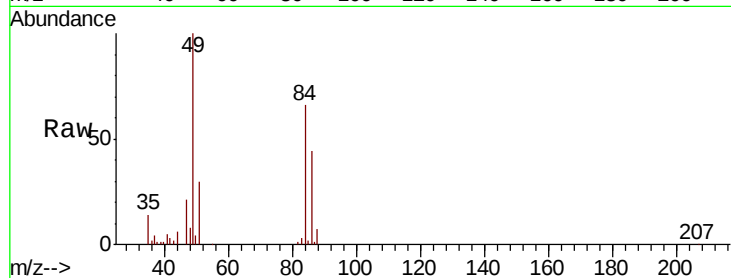




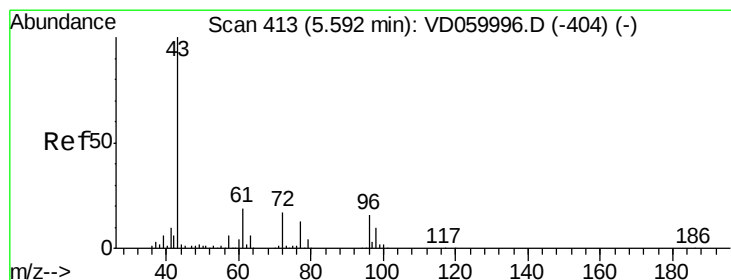
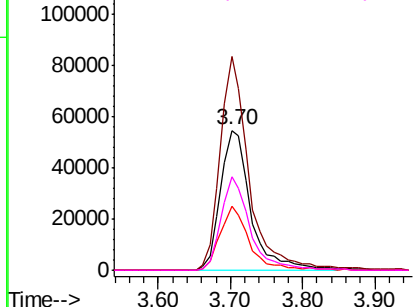
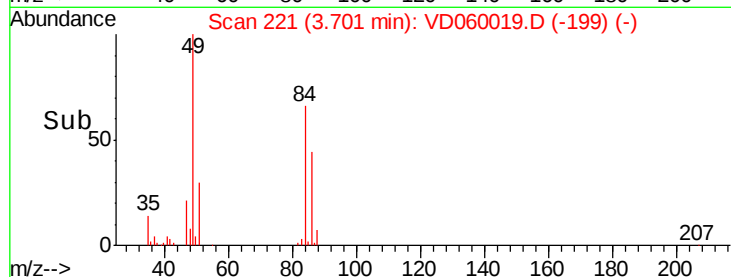
#20
Methylene Chloride
Concen: 6.329 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 159285
Ion Ratio Lower Upper
84 100
49 152.6 116.6 175.0
51 46.0 35.9 53.9
86 66.5 51.8 77.6

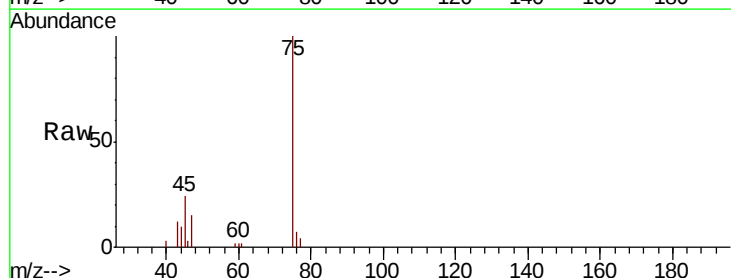


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

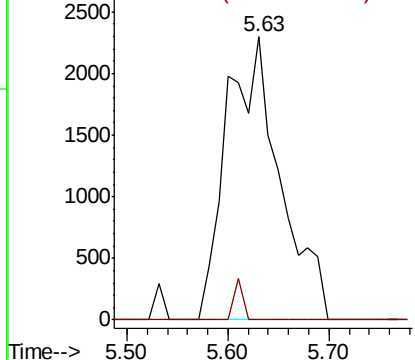
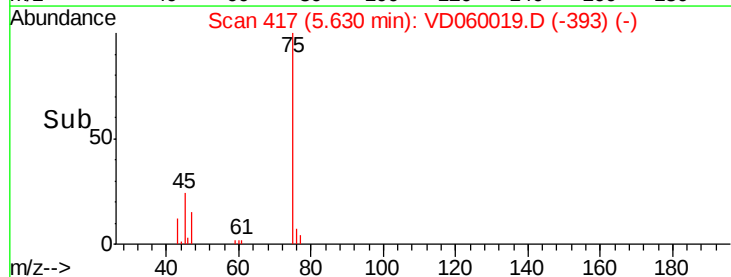


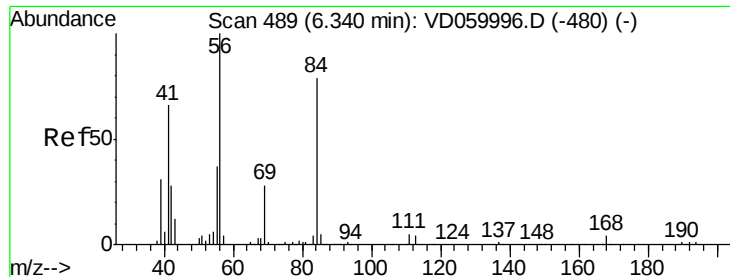
#25
2-Butanone
Concen: 1.781 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.04 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion: 43 Resp: 8524
Ion Ratio Lower Upper
43 100
72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

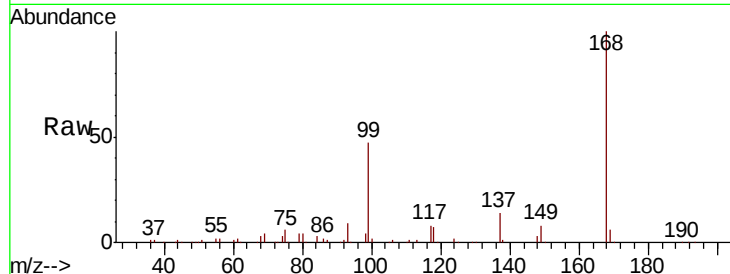




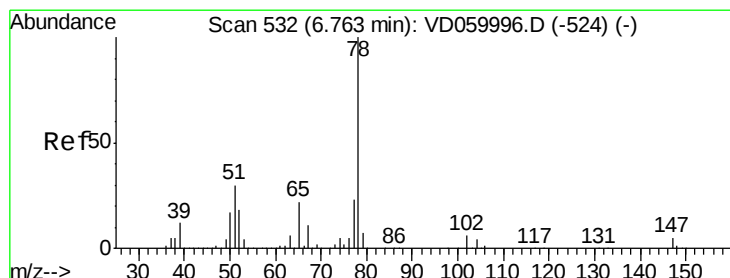
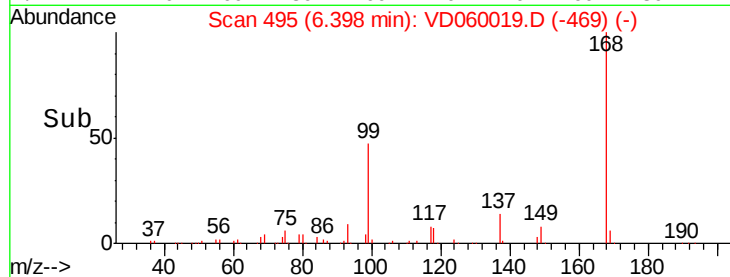
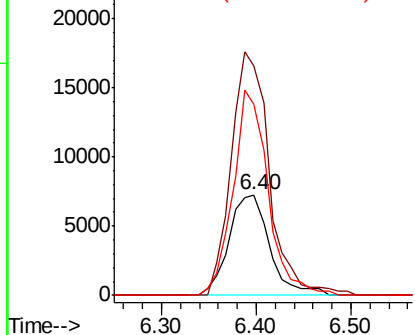
#31
Cyclohexane
Concen: 1.057 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 21569
Ion Ratio Lower Upper
56 100
69 227.9 22.7 34.1#
84 190.1 64.0 96.0#

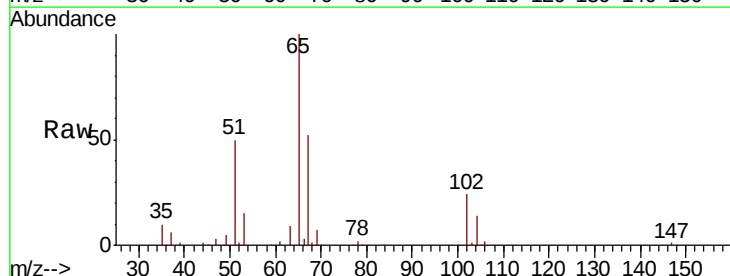


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

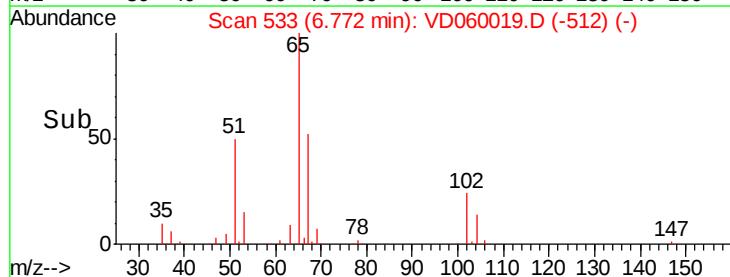
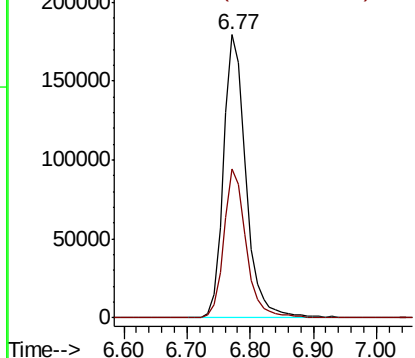


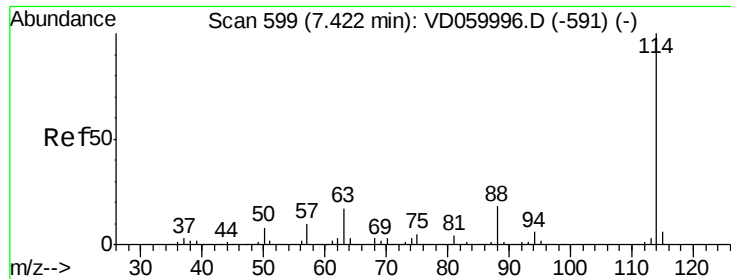
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion: 65 Resp: 443391
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



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

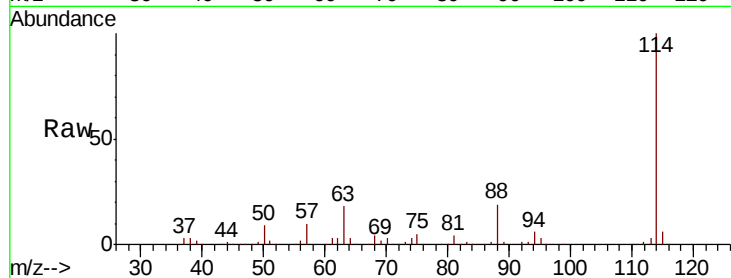




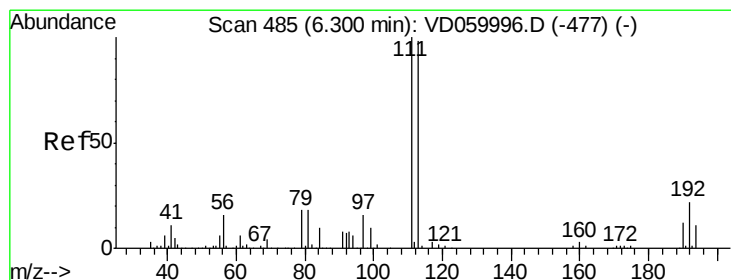
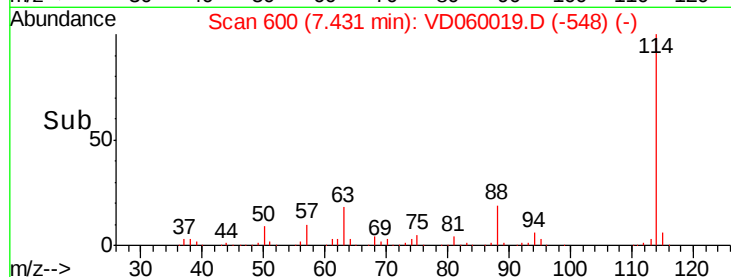
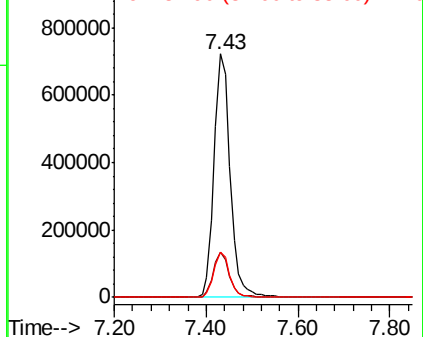
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060019.D
 Acq: 17 Sep 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 1737165
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.4
 88 18.6 0.0 35.8

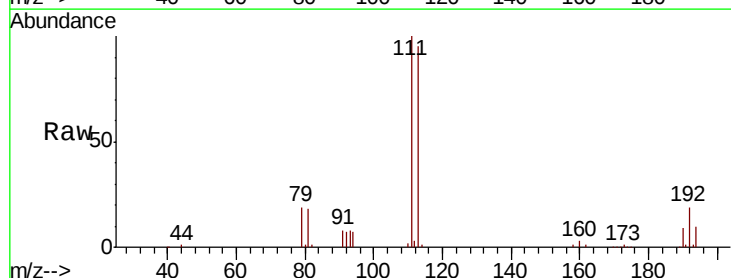


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

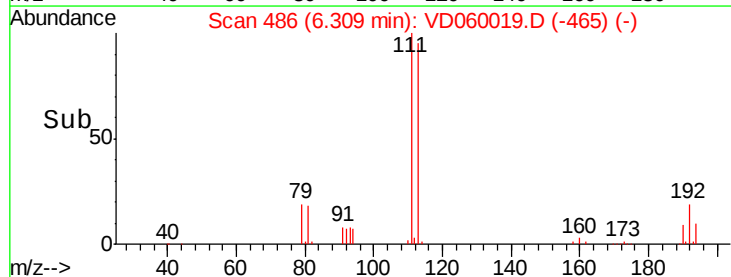
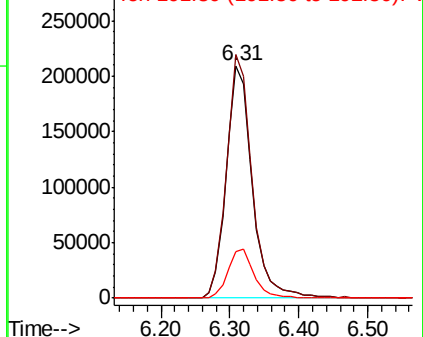


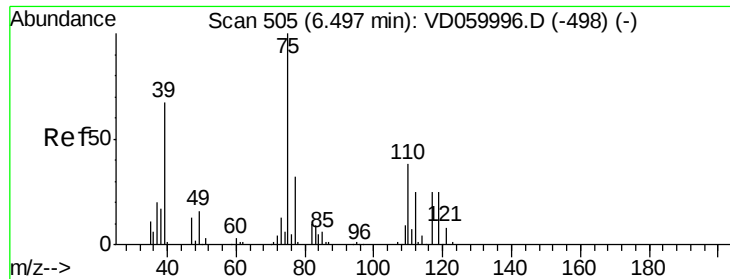
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060019.D
 Acq: 17 Sep 2018 14:13

Tgt Ion:113 Resp: 547026
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.3 121.9
 192 20.3 18.1 27.1



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: 4.763 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060019.D

Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

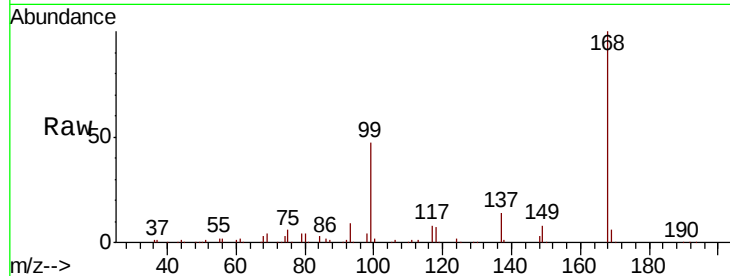
Tot Ion: 75 Resp: 82199

Ion Ratio Lower Upper

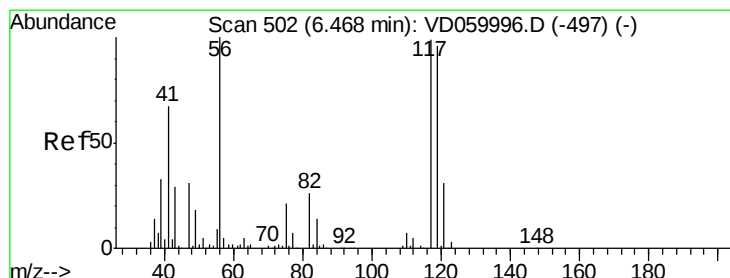
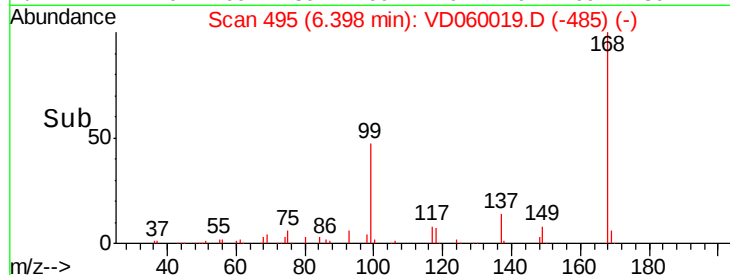
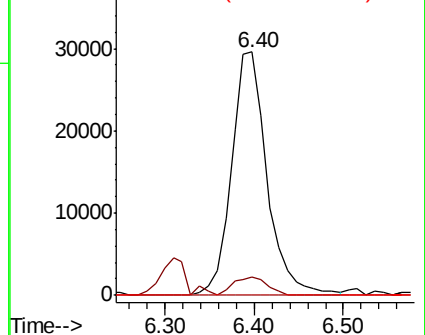
75 100

110 7.5 18.9 56.9#

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.618 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060019.D

Acq: 17 Sep 2018 14:13

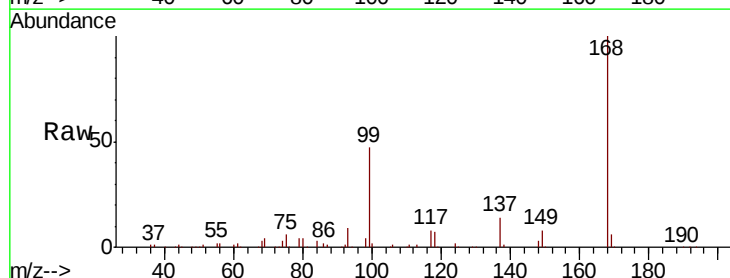
Tgt Ion: 117 Resp: 90504

Ion Ratio Lower Upper

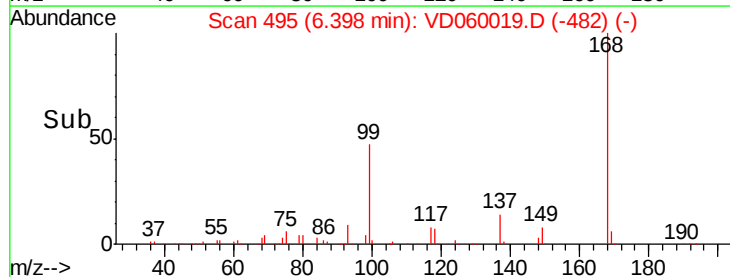
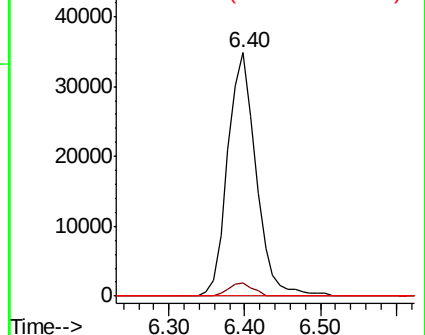
117 100

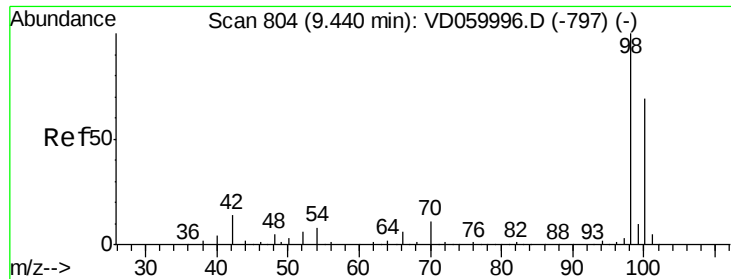
119 5.5 76.7 115.1#

121 0.0 24.9 37.3#



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

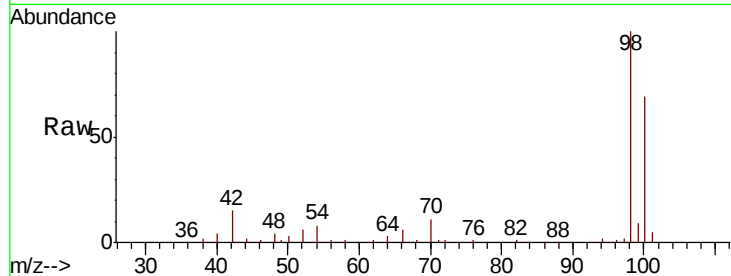




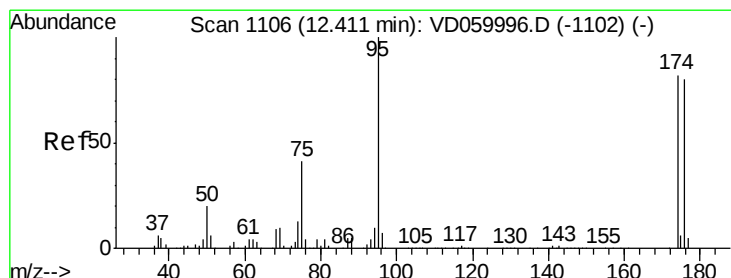
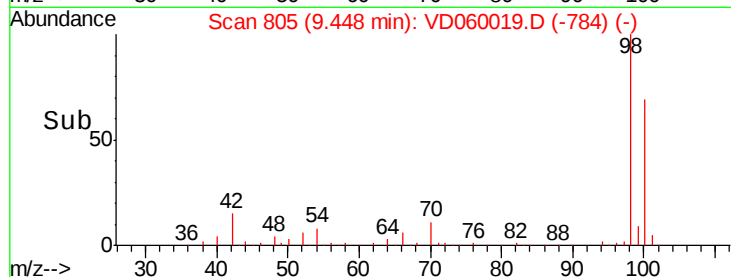
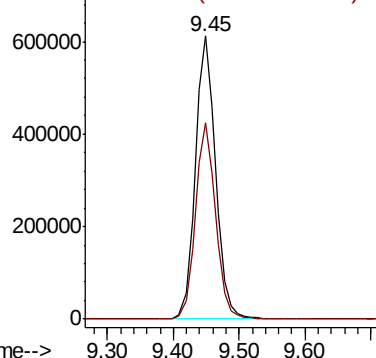
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1311972
Ion Ratio Lower Upper
98 100
100 69.5 55.8 83.6

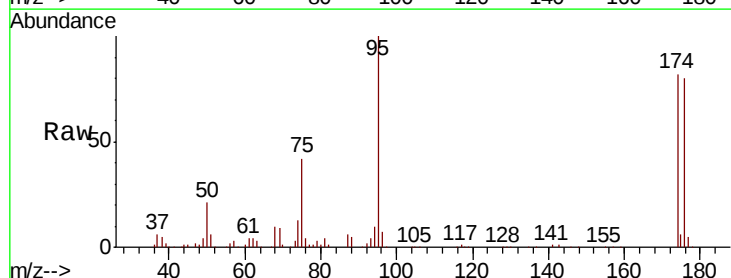


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

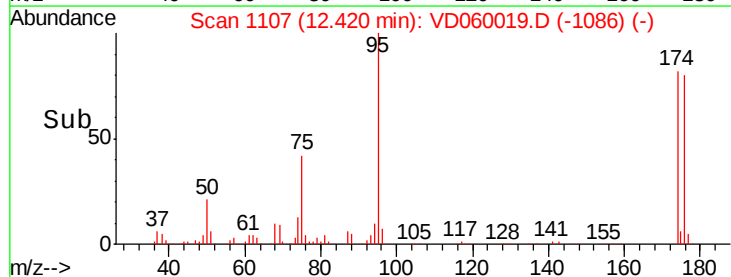
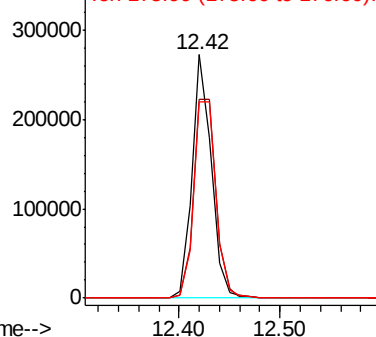


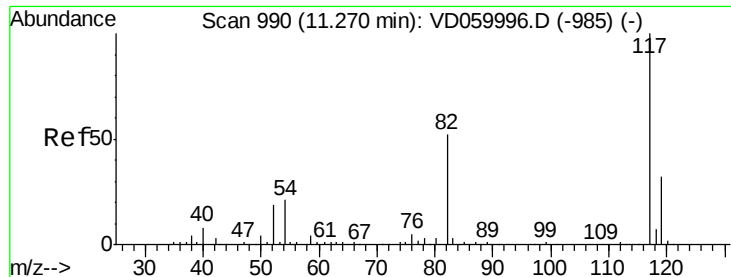
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion: 95 Resp: 364295
Ion Ratio Lower Upper
95 100
174 81.9 0.0 165.0
176 80.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

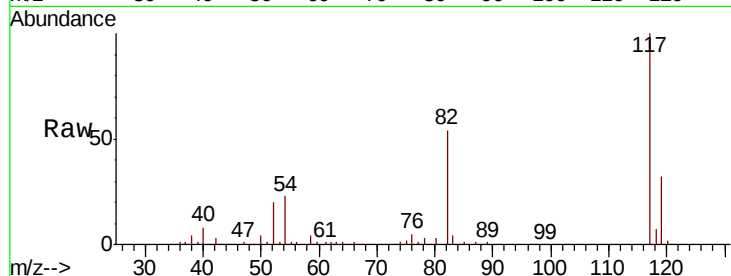




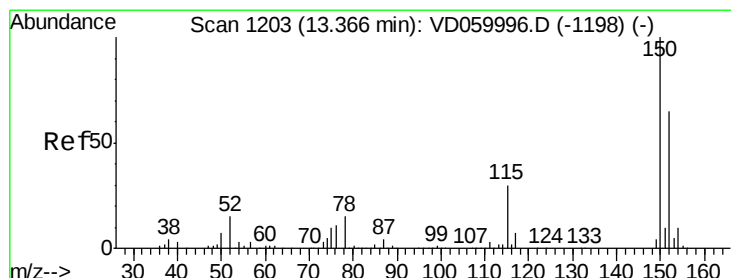
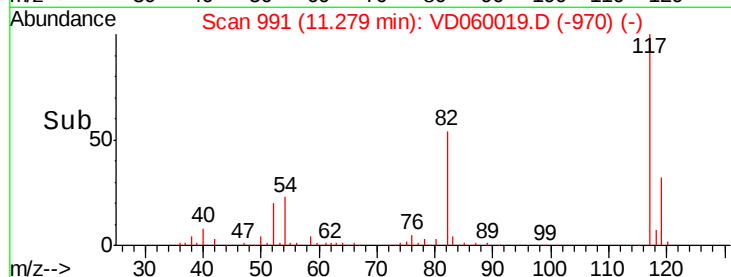
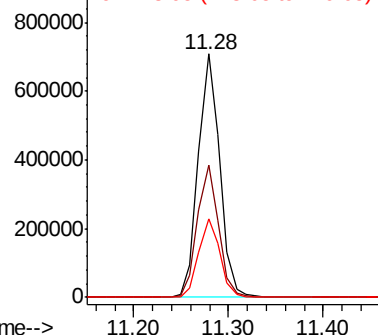
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1112026
Ion Ratio Lower Upper
117 100
82 54.1 41.7 62.5
119 32.4 26.0 39.0

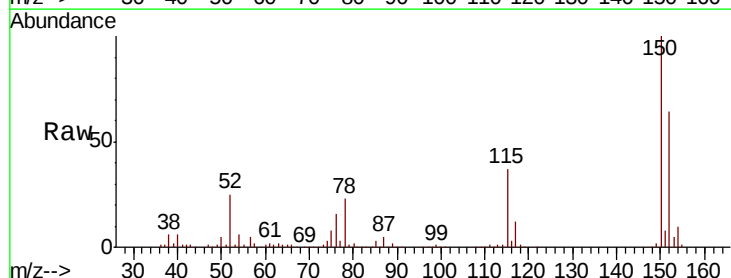


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

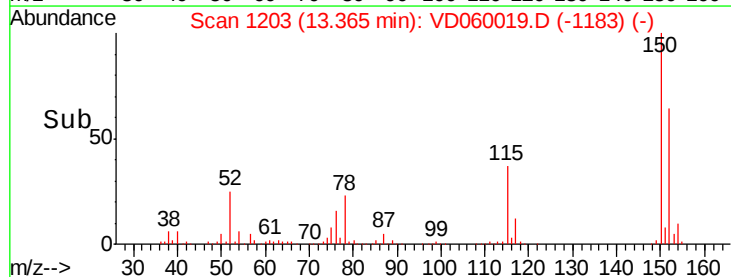
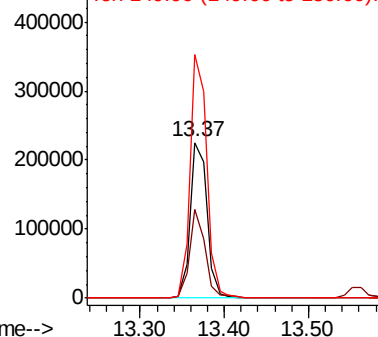


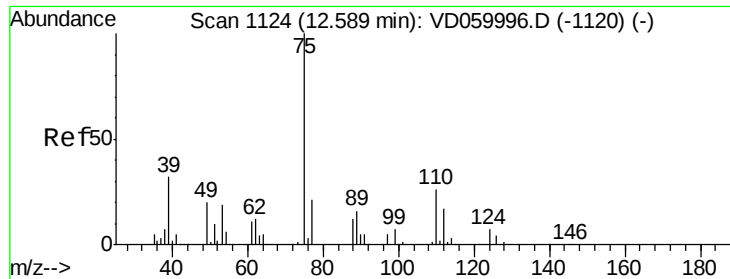
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion:152 Resp: 311653
Ion Ratio Lower Upper
152 100
115 57.2 24.6 73.8
150 156.5 0.0 313.4



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



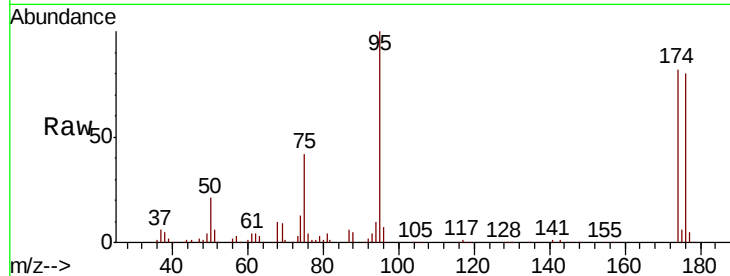


#76

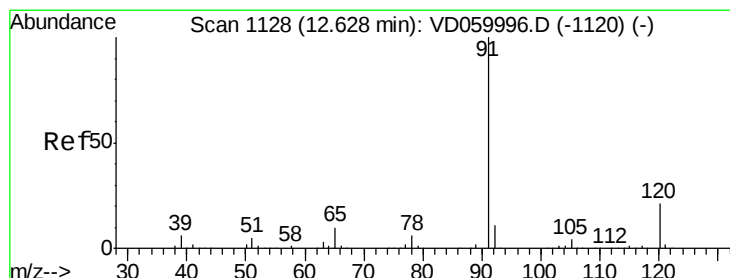
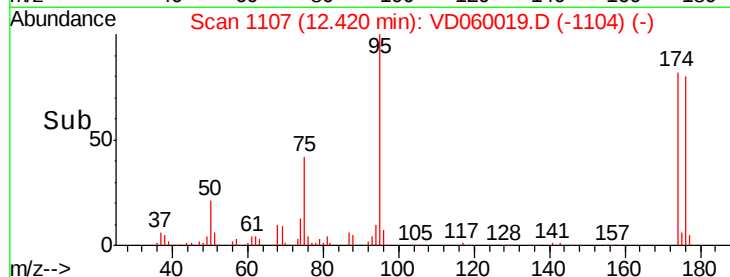
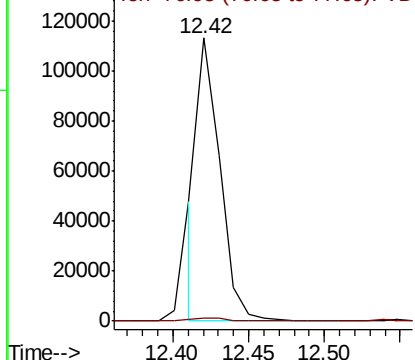
1,2,3-Trichloropropane
Concen: 24.578 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.17 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 116986
Ion Ratio Lower Upper
75 100
77 1.3 16.4 49.4#



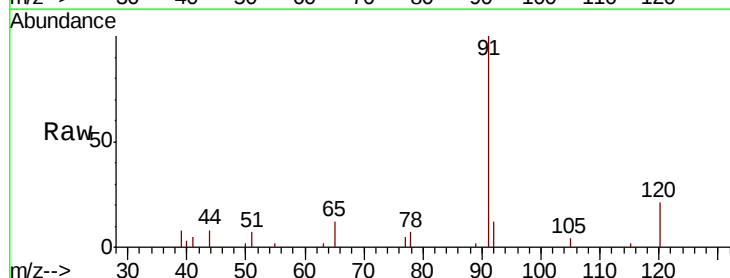
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC



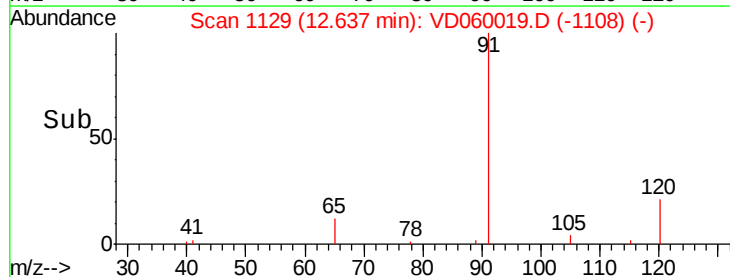
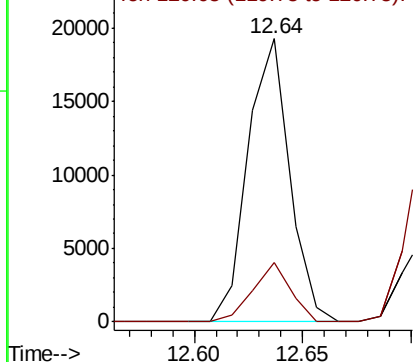
#78

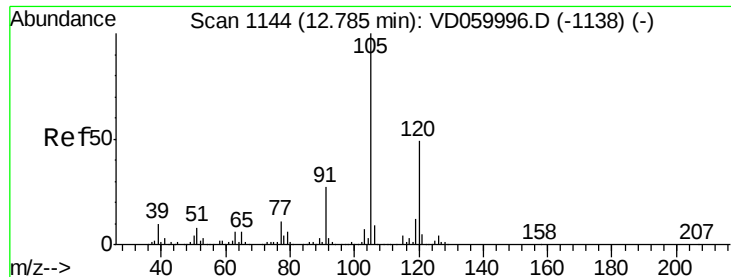
n-propylbenzene
Concen: 1.000 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Tgt Ion: 91 Resp: 25708
Ion Ratio Lower Upper
91 100
120 20.8 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

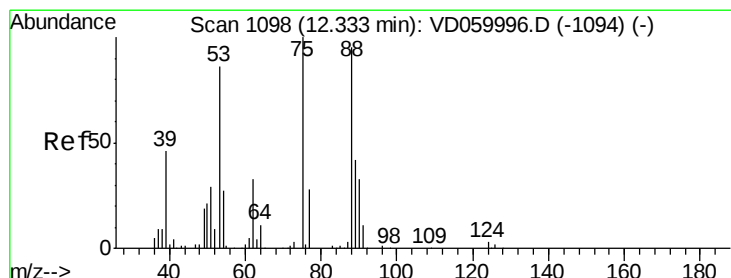
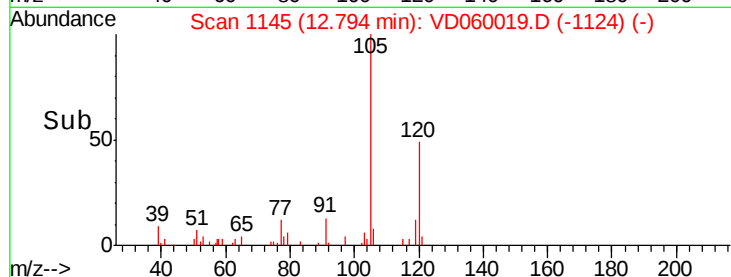
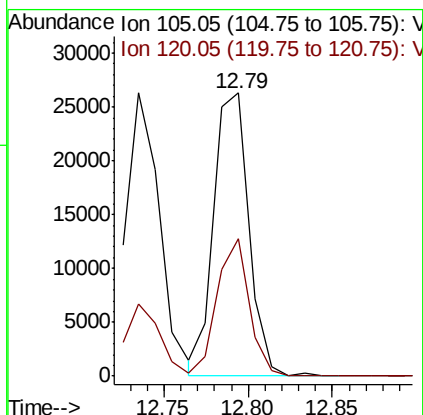
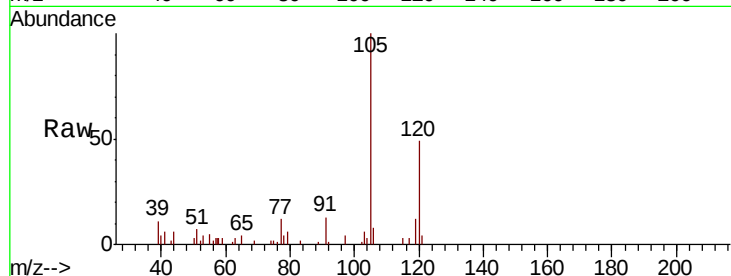




#80
 1,3,5-Trimethylbenzene
 Concen: 2.432 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060019.D
 Acq: 17 Sep 2018 14:13

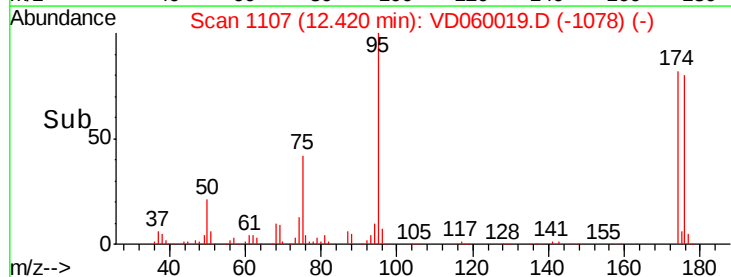
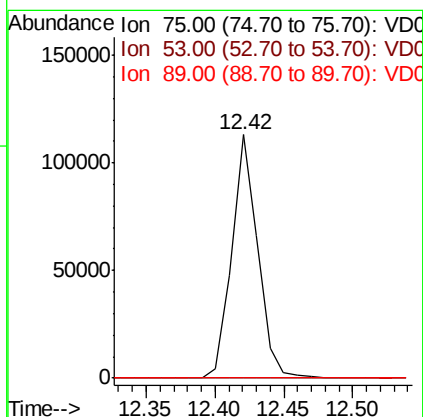
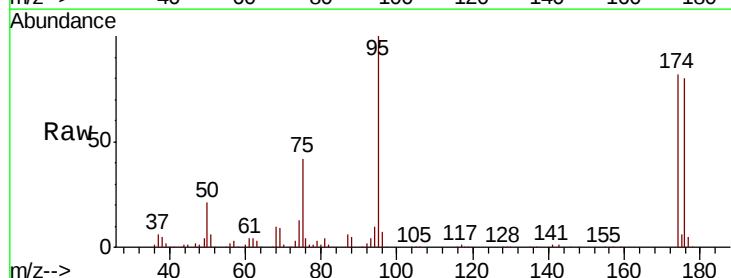
Instrument :
 MSVOA_D
 ClientSampled :

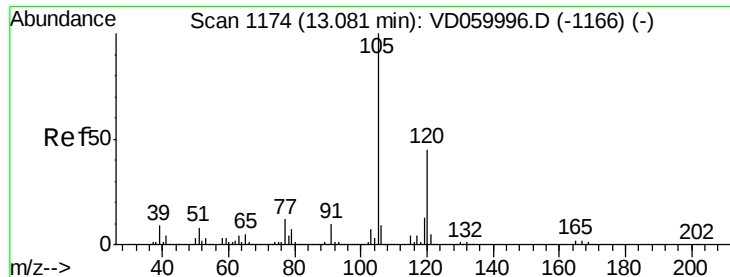
Tot Ion:105 Resp: 38093
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.700 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060019.D
 Acq: 17 Sep 2018 14:13

Tgt Ion: 75 Resp: 147560
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#





#84

1,2,4-Trimethylbenzene

Concen: 8.832 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VD060019.D

Acq: 17 Sep 2018 14:13

Instrument :

MSVOA_D

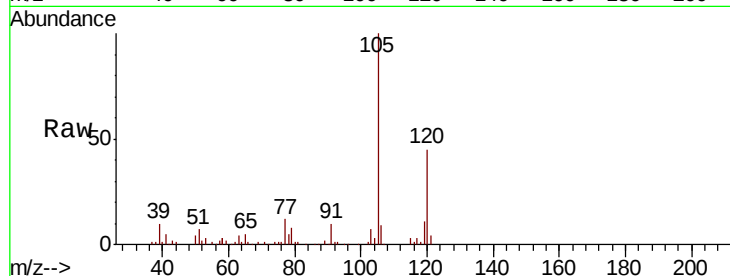
ClientSampleId :

Tot Ion:105 Resp: 147651

Ion Ratio Lower Upper

105 100

120 45.1 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

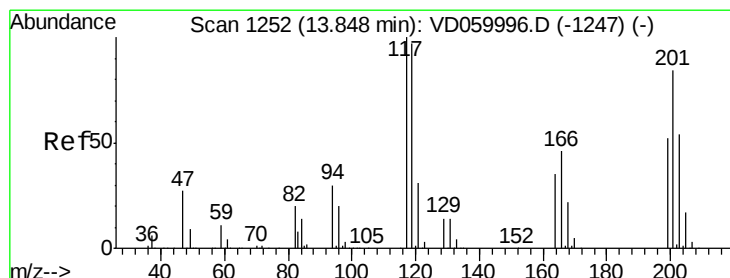
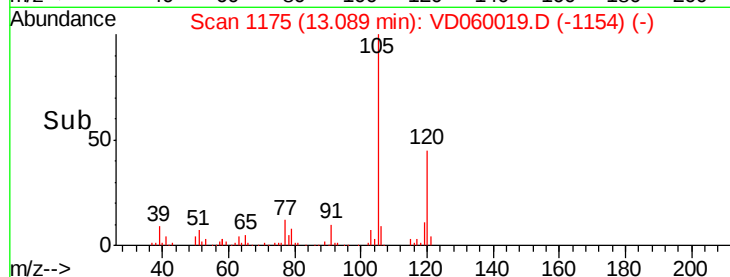
13.09

100000

50000

0

Time--> 13.00 13.05 13.10 13.15



#90

Hexachloroethane

Concen: 1.907 ug/l

RT: 13.85 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD060019.D

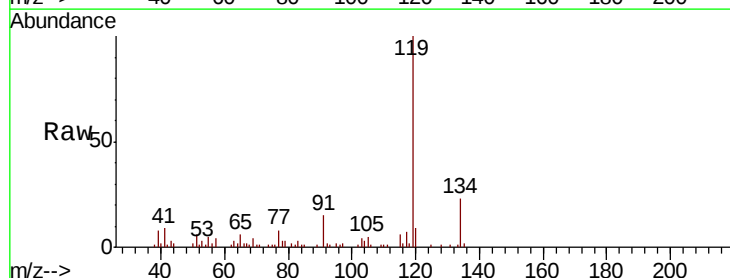
Acq: 17 Sep 2018 14:13

Tgt Ion:117 Resp: 8231

Ion Ratio Lower Upper

117 100

201 0.0 42.1 126.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

13.85

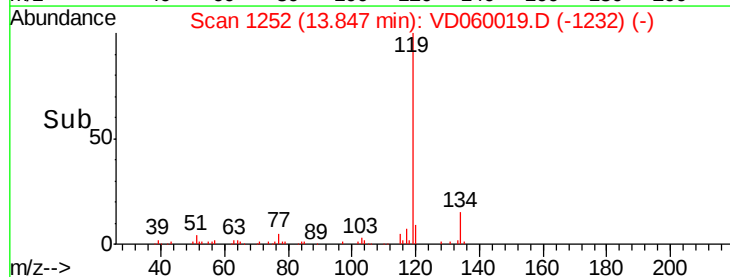
6000

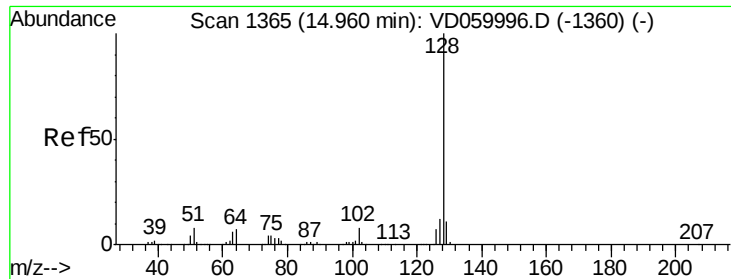
4000

2000

0

Time--> 13.80 13.85





#95
Naphthalene
Concen: 2.530 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060019.D
Acq: 17 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	10.7	8.9	13.3

