

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061184.D
 Acq On : 19 Mar 2019 14:49
 Operator : VA/AP
 Sample : k1970-09
 Misc : 7.16g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-9-W.WALL-N.CENTER

Quant Time: Mar 19 17:28:49 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	596328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1115353	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	652204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	169391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	235698	47.48	ug/l	-0.01
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	6.91	113	398841	48.18	ug/l	-0.01
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.41	98	994751	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	13.55	95	345228	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	

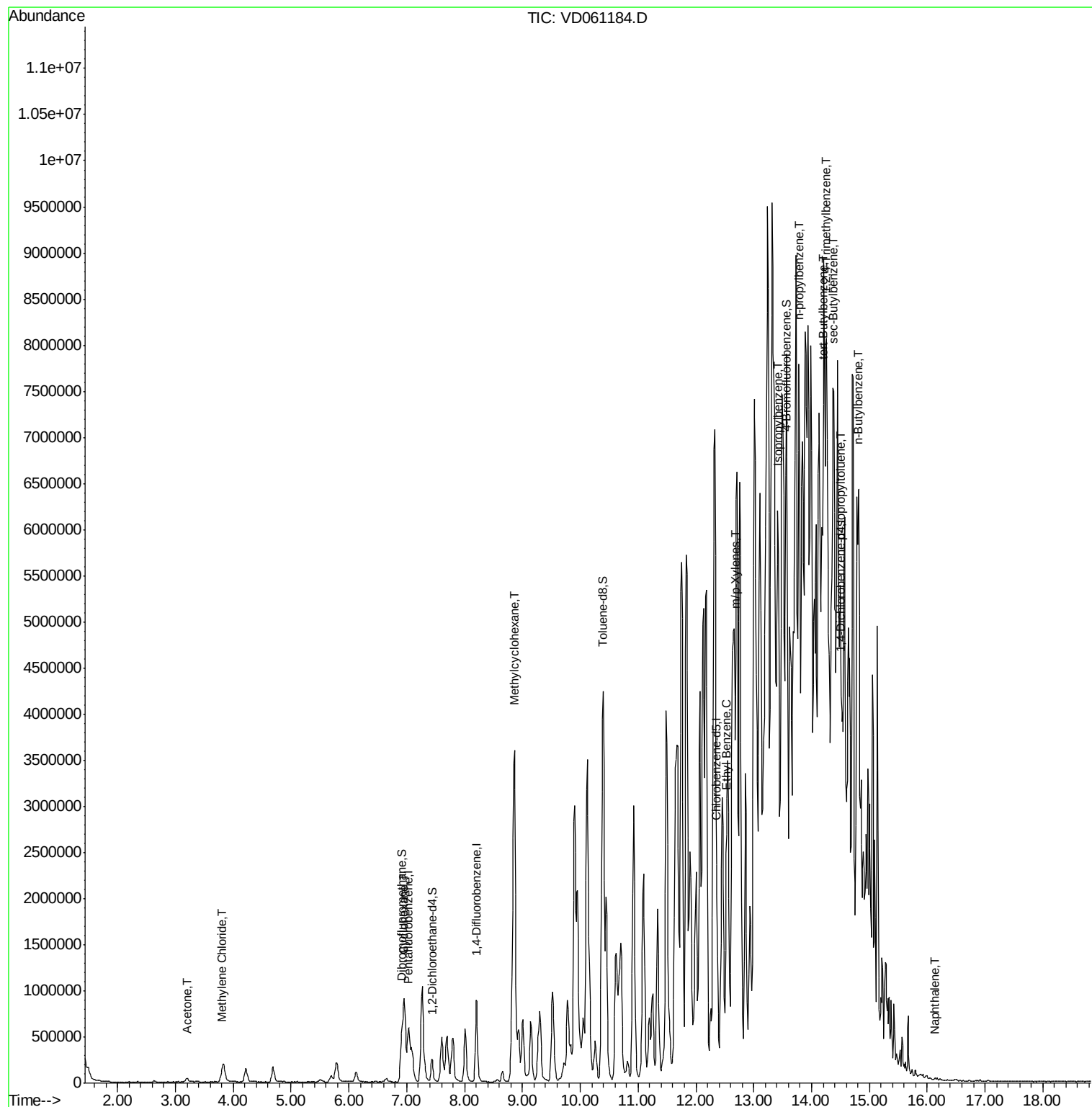
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	74616	52.568	ug/l	99
20) Methylene Chloride	3.80	84	54145	4.083	ug/l	95
31) Cyclohexane	6.95	56	442680	50.399	ug/l #	83
39) Methylcyclohexane	8.86	83	2297071	230.418	ug/l	96
67) Ethyl Benzene	12.52	91	1026904	53.948	ug/l	99
68) m/p-Xylenes	12.68	106	259514	34.735	ug/l	94
73) Isopropylbenzene	13.41	105	2138666	175.191	ug/l	99
78) n-propylbenzene	13.78	91	4936696	345.430	ug/l	95
83) tert-Butylbenzene	14.20	119	134370	13.248	ug/l	80
84) 1,2,4-Trimethylbenzene	14.24	105	2772535	299.164	ug/l	97
85) sec-Butylbenzene	14.37	105	2928964	236.554	ug/l	99
86) p-Isopropyltoluene	14.50	119	1525085	150.687	ug/l	98
89) n-Butylbenzene	14.80	91	1636844	168.412	ug/l #	87
95) Naphthalene	16.11	128	8837	2.702	ug/l	97

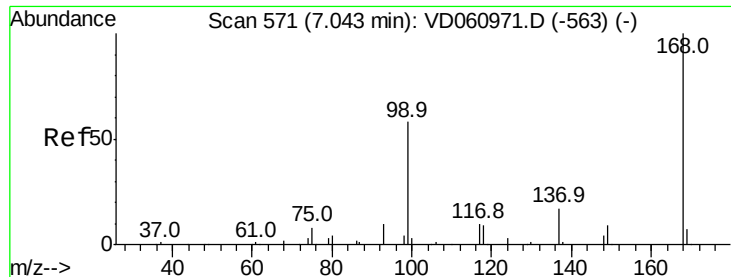
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\
Data File : VD061184.D
Acq On : 19 Mar 2019 14:49
Operator : VA/AP
Sample : k1970-09
Misc : 7.16g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

Quant Time: Mar 19 17:28:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

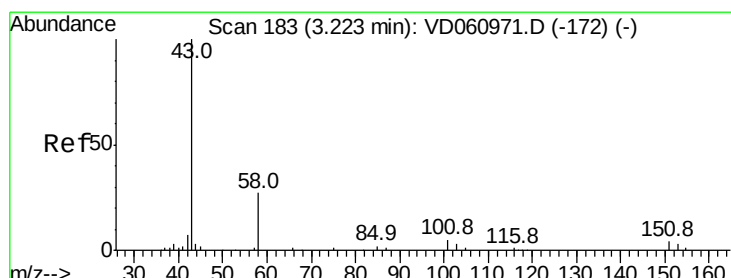
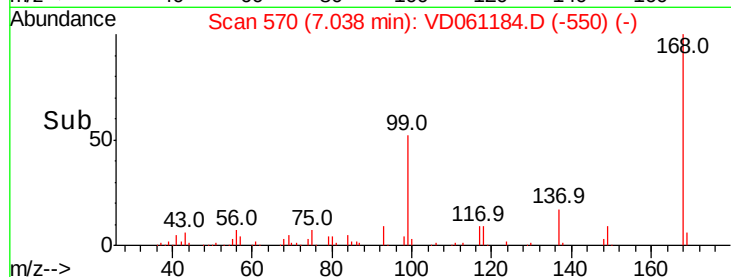
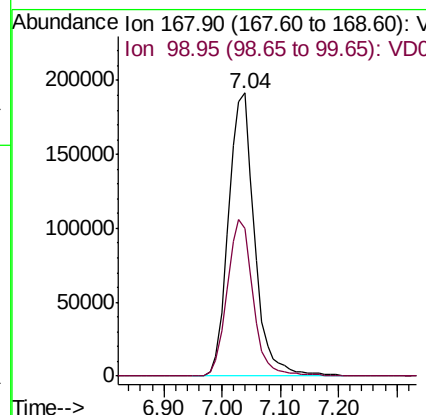
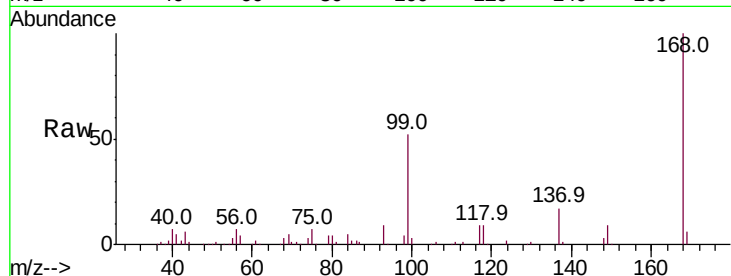




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

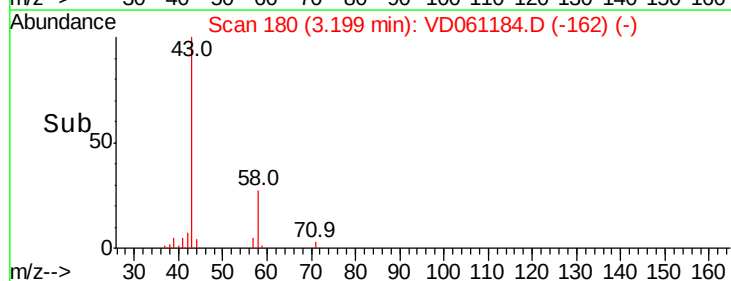
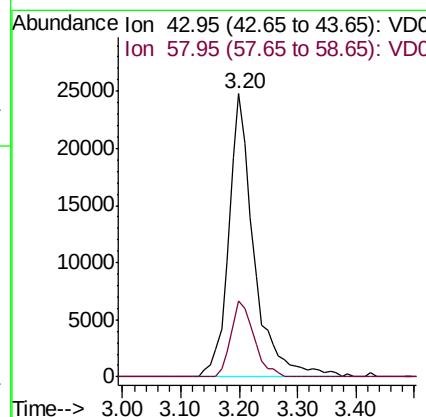
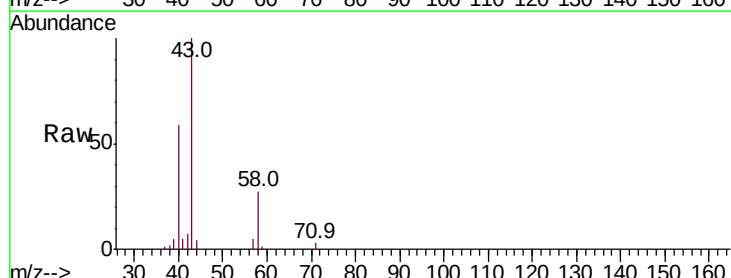
Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

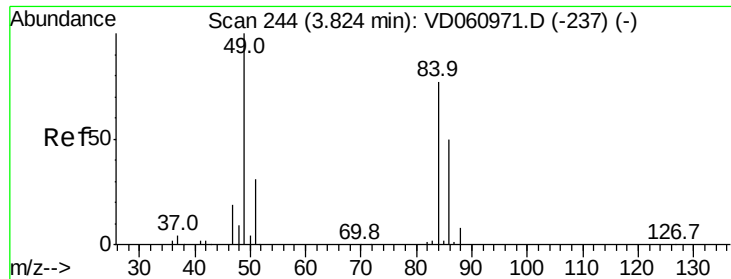
Tot Ion:168 Resp: 596328
Ion Ratio Lower Upper
168 100
99 52.2 47.3 70.9



#16
Acetone
Concen: 52.568 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.02 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Tgt Ion: 43 Resp: 74616
Ion Ratio Lower Upper
43 100
58 26.7 21.6 32.4

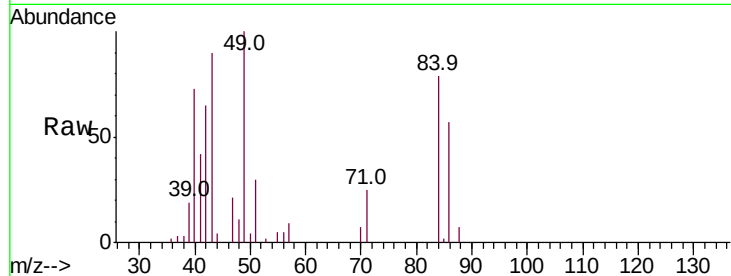




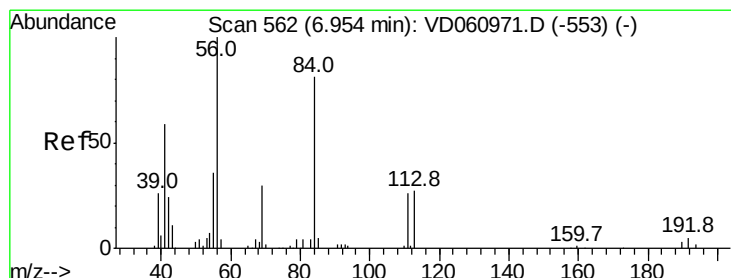
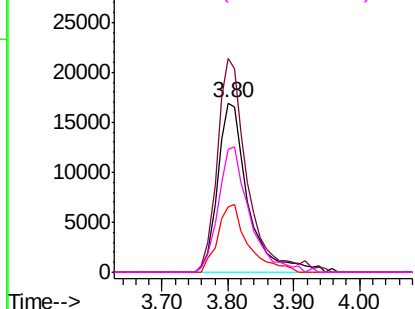
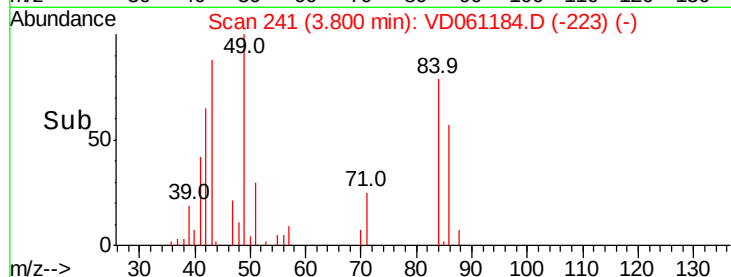
#20
Methvlene Chloride
Concen: 4.083 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

Tot Ion:	84	Resp:	54145
Ion	Ratio	Lower	Upper
84	100		
49	126.2	104.2	156.2
51	38.3	32.3	48.5
86	72.4	52.3	78.5

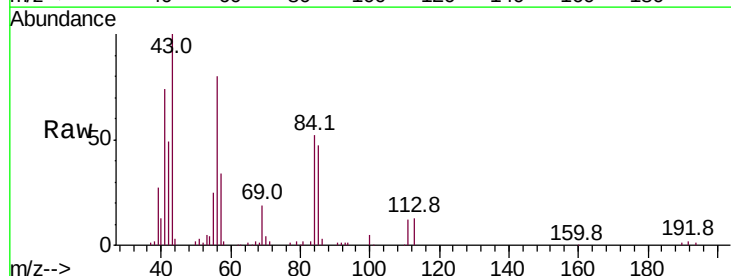


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

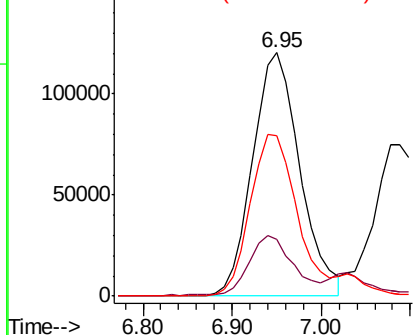
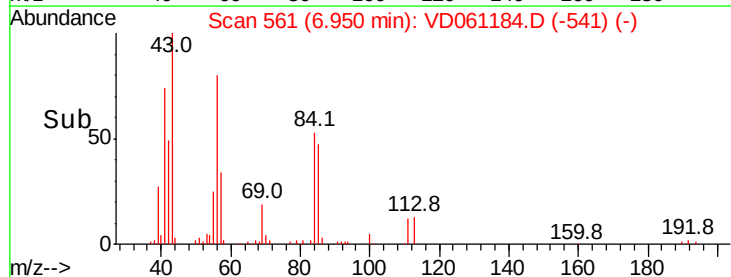


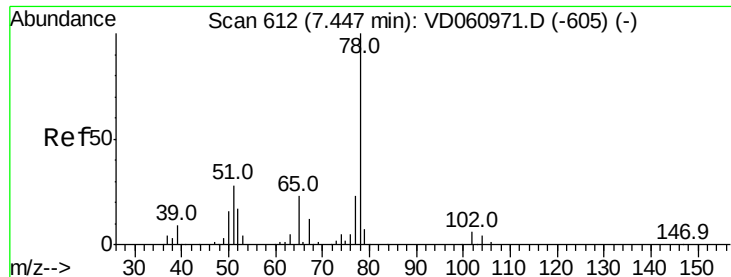
#31
Cyclohexane
Concen: 50.399 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Tgt Ion:	56	Resp:	442680
Ion	Ratio	Lower	Upper
56	100		
69	23.5	24.0	36.0#
84	65.9	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

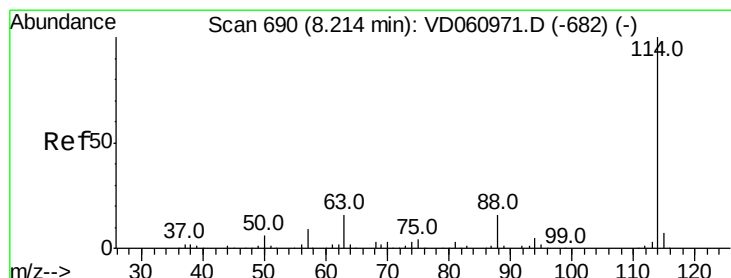
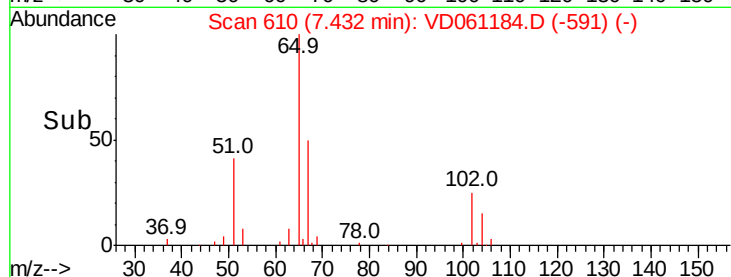
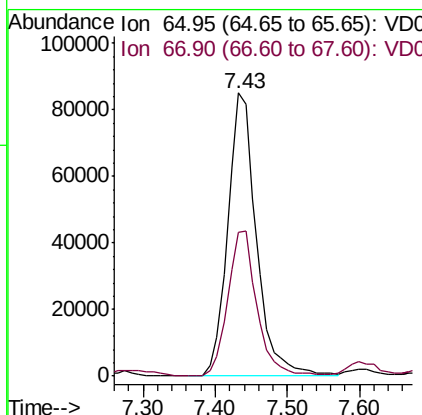
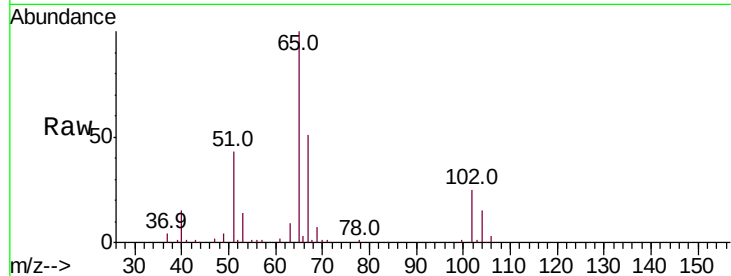




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD061184.D
 Acq: 19 Mar 2019 14:49

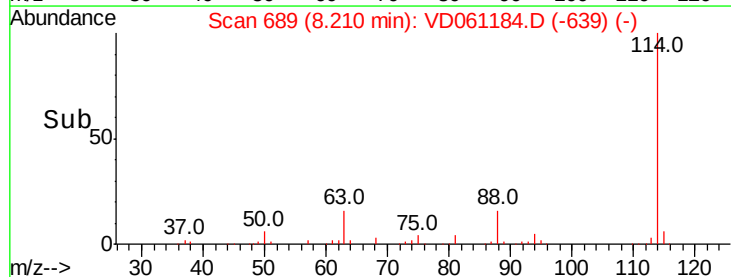
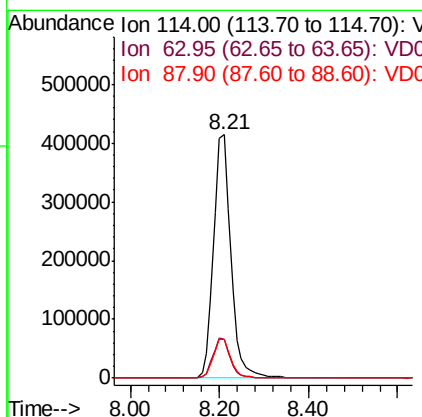
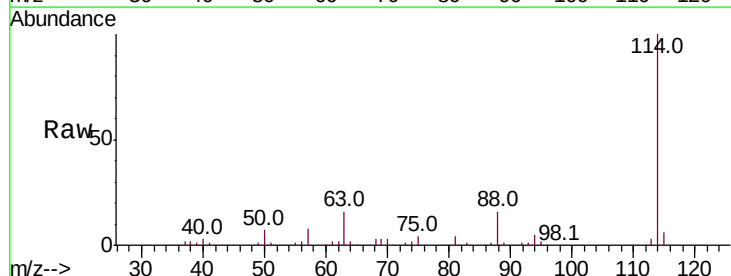
Instrument :
 MSVOA_D
 ClientSampleId :
 P-9-W.WALL-N.CENTER

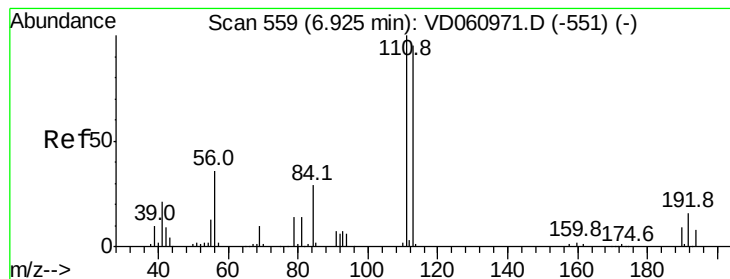
Tot Ion: 65 Resp: 235698
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061184.D
 Acq: 19 Mar 2019 14:49

Tgt Ion: 114 Resp: 1115353
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

Instrument :

MSVOA_D

ClientSampleId :

P-9-W.WALL-N.CENTER

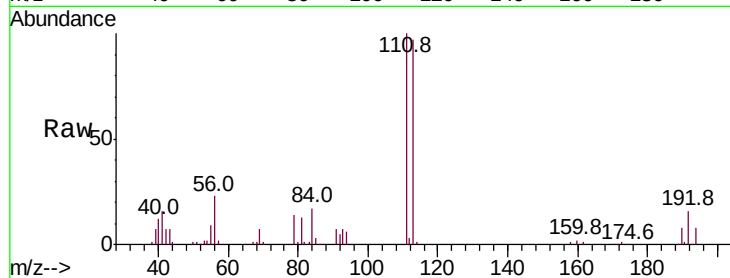
Tot Ion:113 Resp: 398841

Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.4

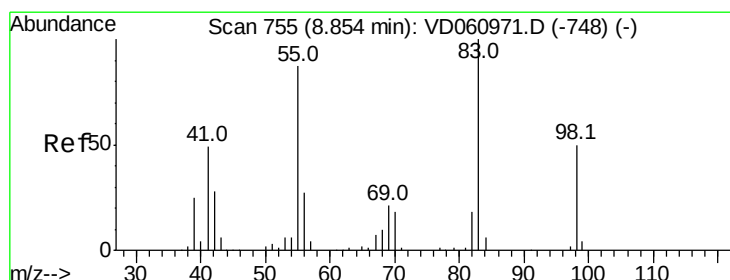
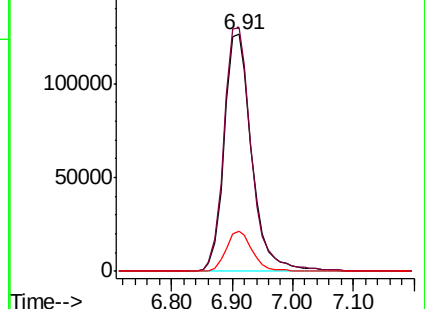
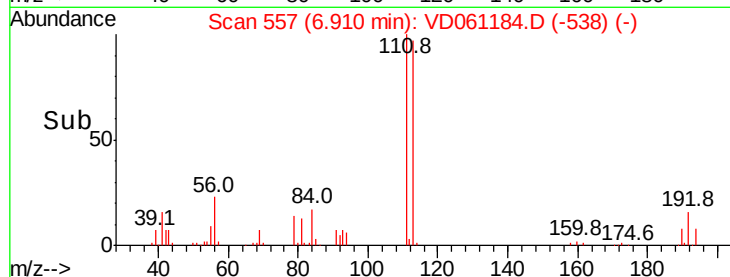
192 17.0 13.1 19.7



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



#39

Methylcyclohexane

Concen: 230.418 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

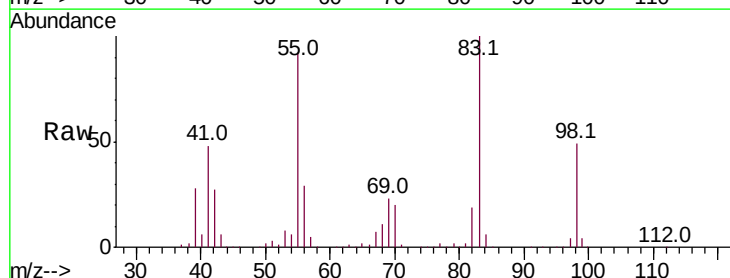
Tgt Ion: 83 Resp: 2297071

Ion Ratio Lower Upper

83 100

55 92.3 69.6 104.4

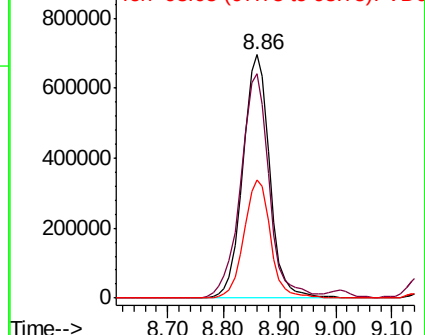
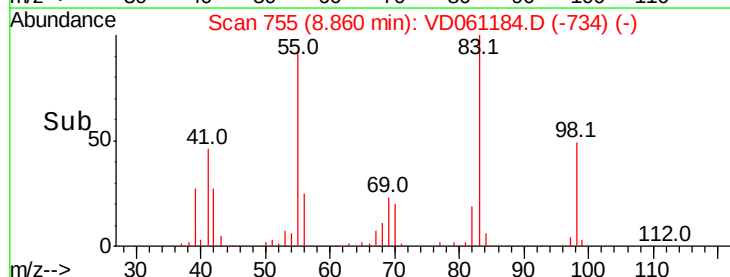
98 48.7 40.0 60.0

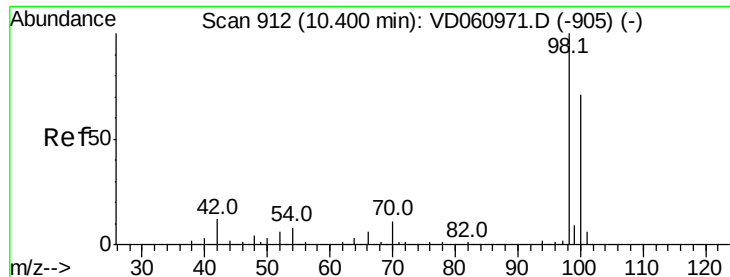


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

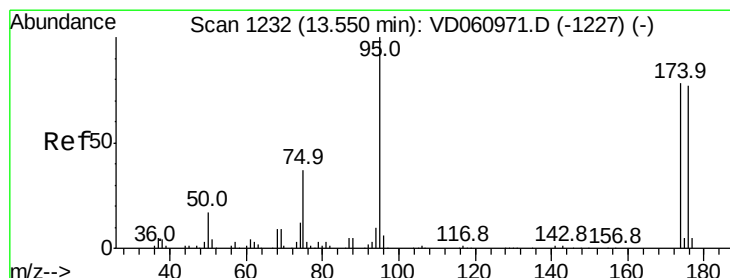
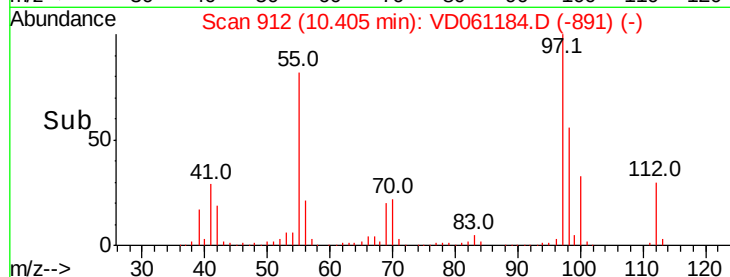
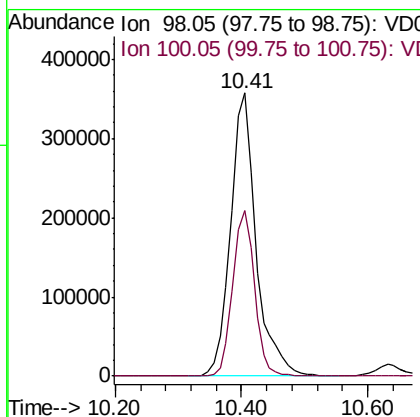
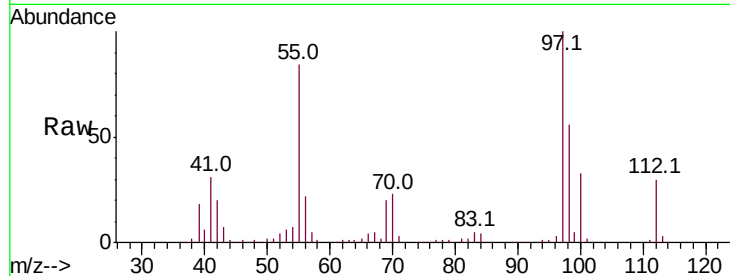




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

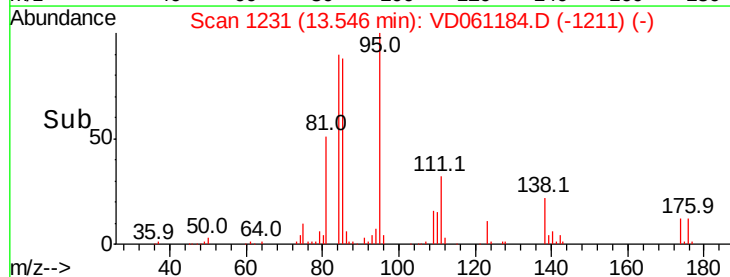
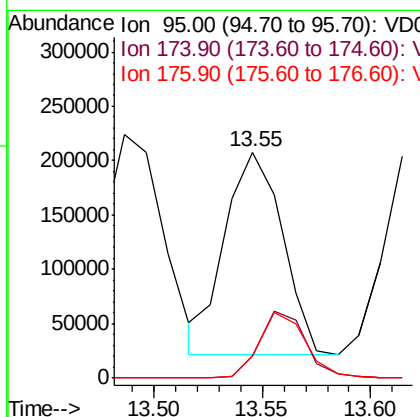
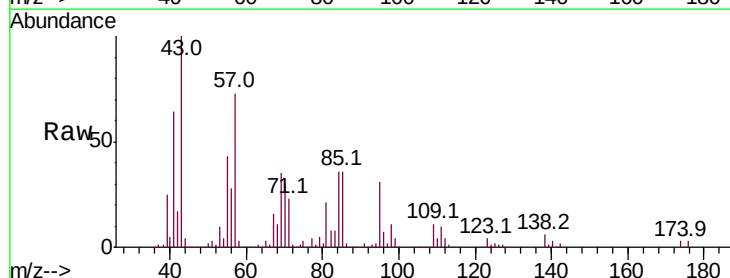
Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

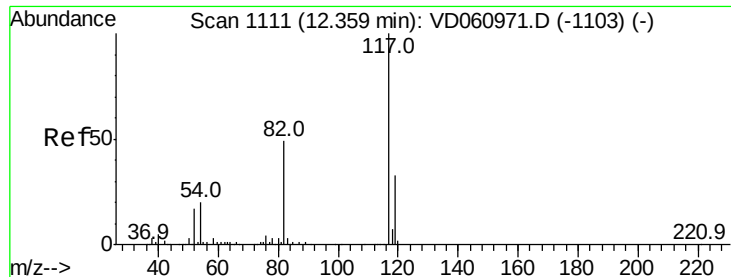
Tot Ion: 98 Resp: 994751
Ion Ratio Lower Upper
98 100
100 58.4 57.4 86.2



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Tgt Ion: 95 Resp: 345228
Ion Ratio Lower Upper
95 100
174 9.7 0.0 155.6
176 9.6 0.0 153.8

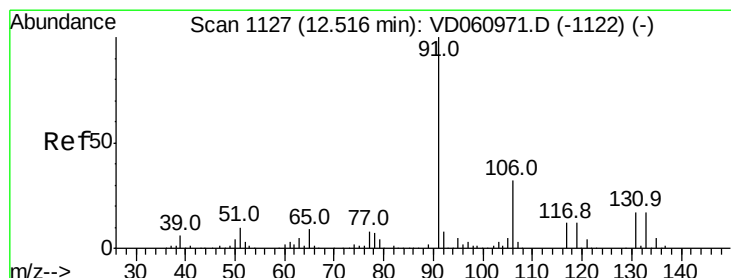
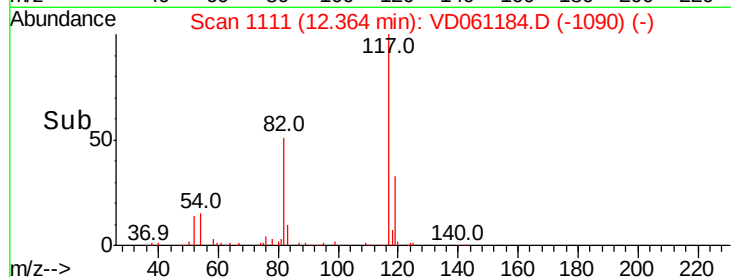
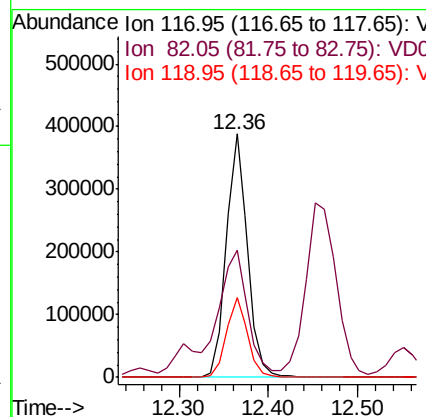
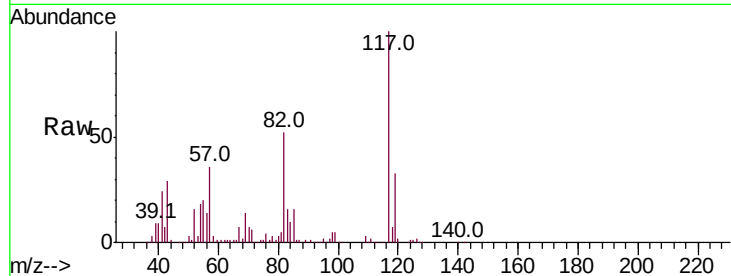




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

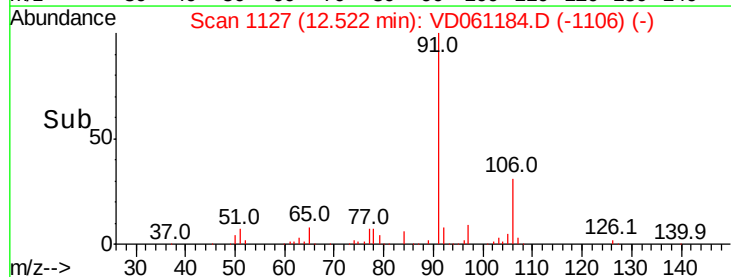
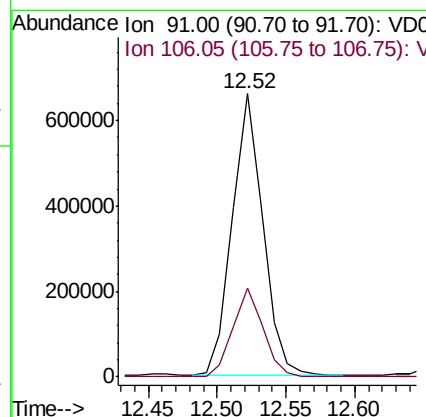
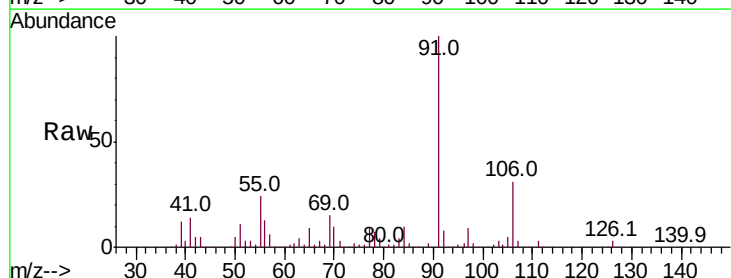
Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

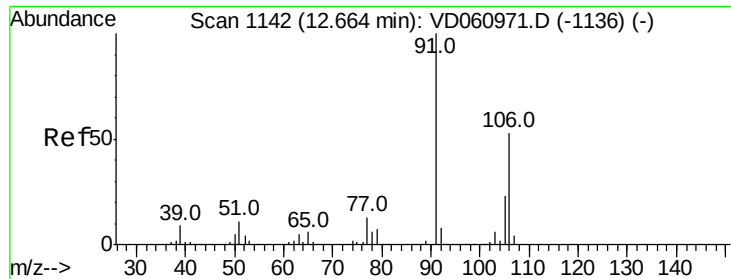
Tot Ion:117 Resp: 652204
Ion Ratio Lower Upper
117 100
82 52.0 38.9 58.3
119 32.7 26.6 39.8



#67
Ethyl Benzene
Concen: 53.948 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Tgt Ion: 91 Resp: 1026904
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

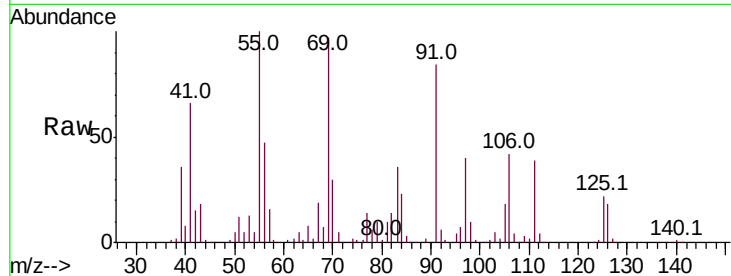




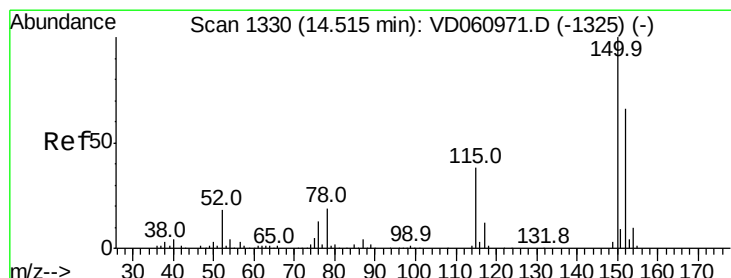
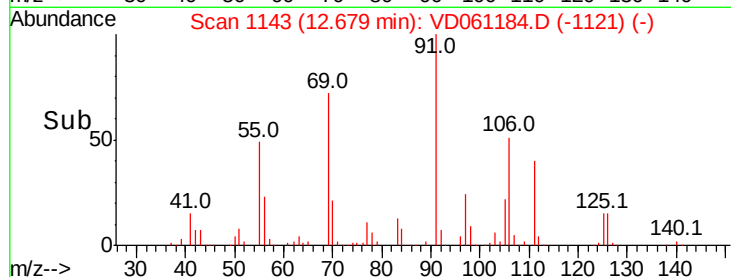
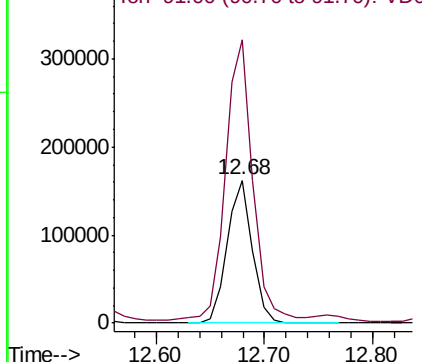
#68
m/p-Xvlenes
Concen: 34.735 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Instrument :
MSVOA_D
ClientSampleId :
P-9-W.WALL-N.CENTER

Tot Ion:106 Resp: 259514
Ion Ratio Lower Upper
106 100
91 198.2 152.0 228.0

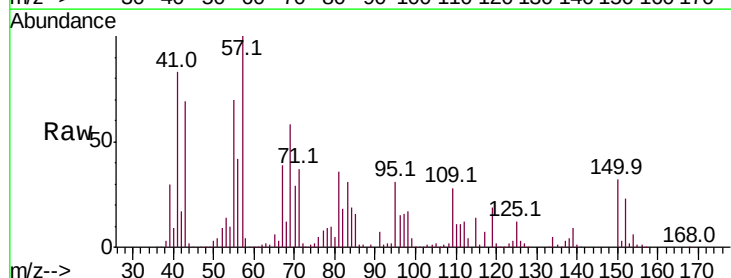


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

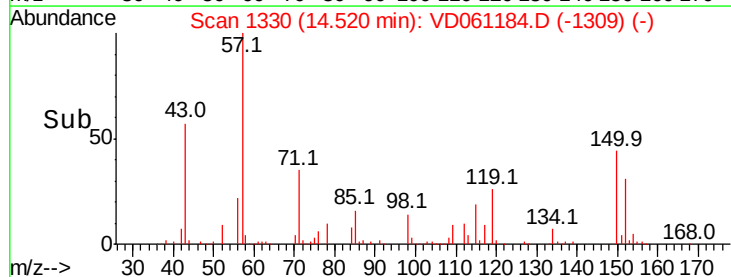
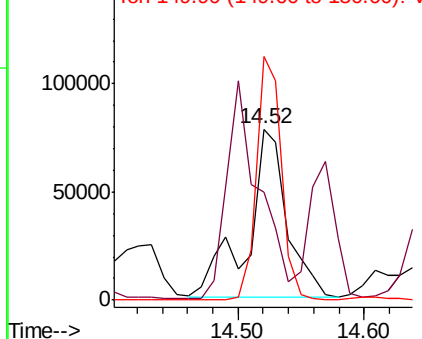


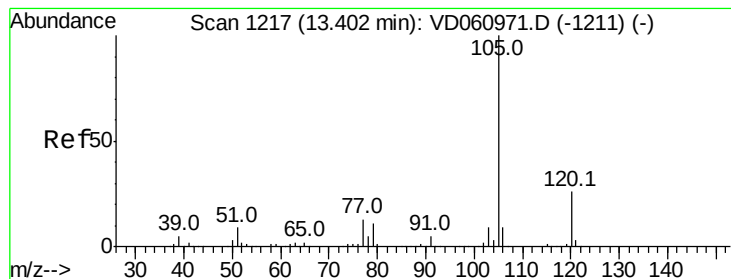
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061184.D
Acq: 19 Mar 2019 14:49

Tgt Ion:152 Resp: 169391
Ion Ratio Lower Upper
152 100
115 62.9 28.6 85.9
150 142.4 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: 175.191 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

Instrument :

MSVOA_D

ClientSampleId :

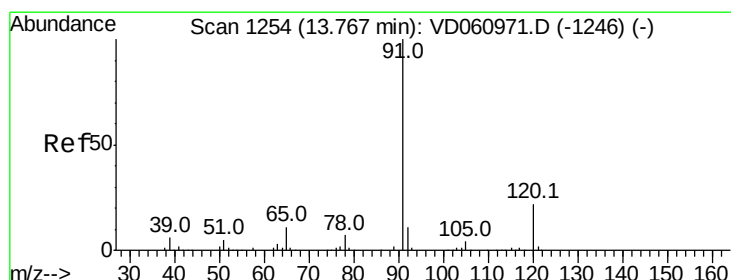
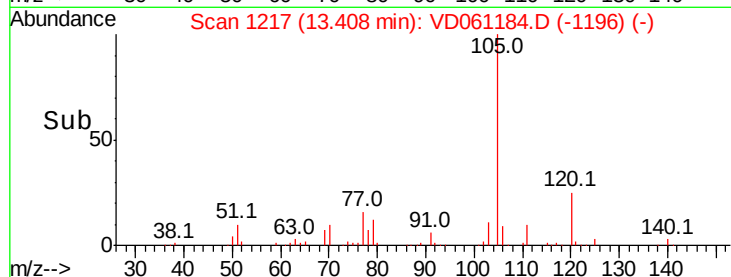
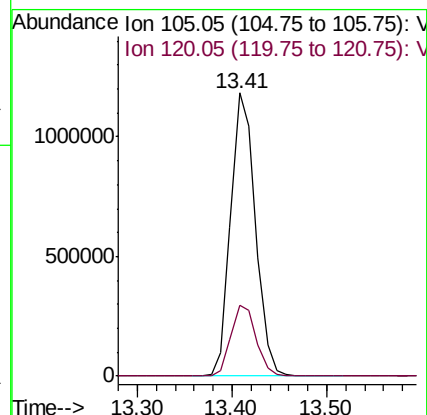
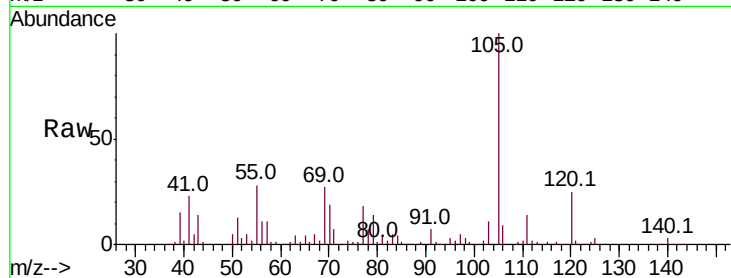
P-9-W.WALL-N.CENTER

Tot Ion:105 Resp: 2138666

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



#78

n-propylbenzene

Concen: 345.430 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061184.D

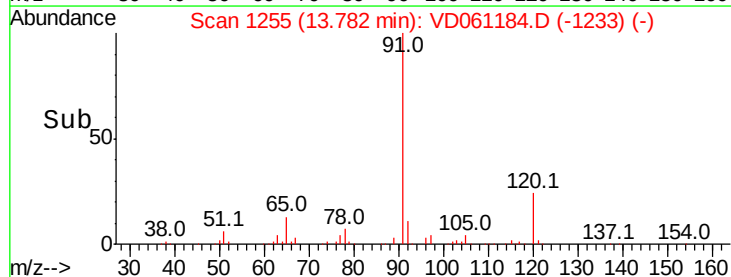
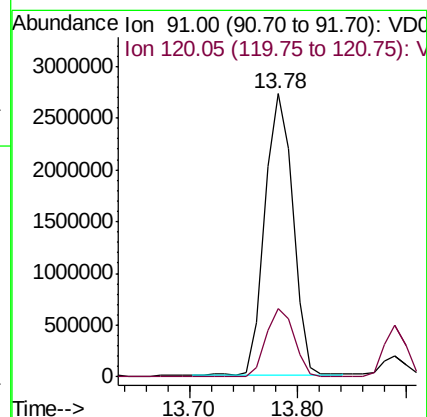
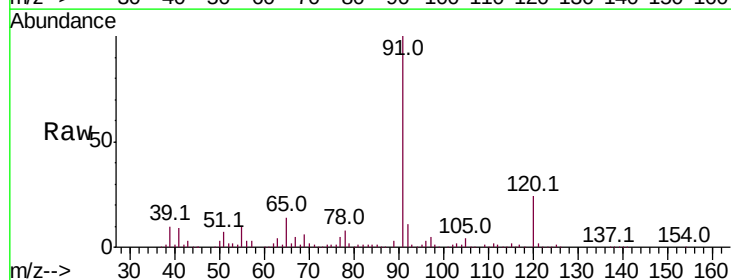
Acq: 19 Mar 2019 14:49

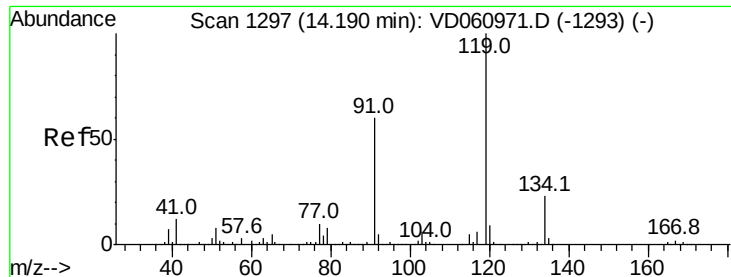
Tgt Ion: 91 Resp: 4936696

Ion Ratio Lower Upper

91 100

120 24.0 10.8 32.3





#83

tert-Butylbenzene

Concen: 13.248 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

Instrument :

MSVOA_D

ClientSampleId :

P-9-W.WALL-N.CENTER

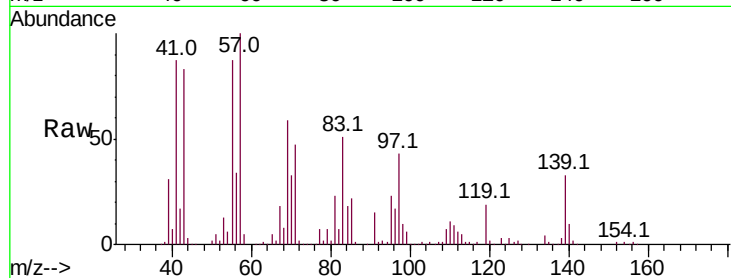
Tot Ion:119 Resp: 134370

Ion Ratio Lower Upper

119 100

91 81.4 30.1 90.3

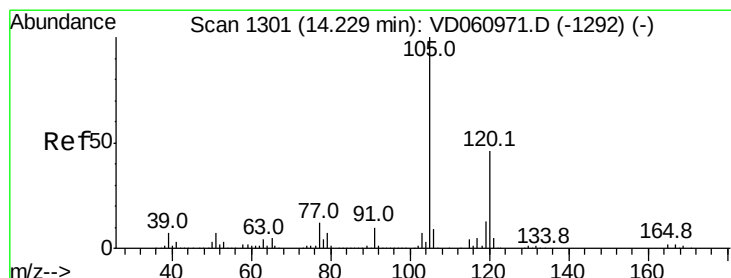
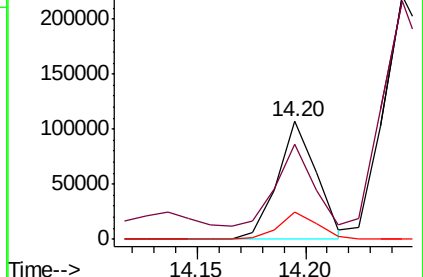
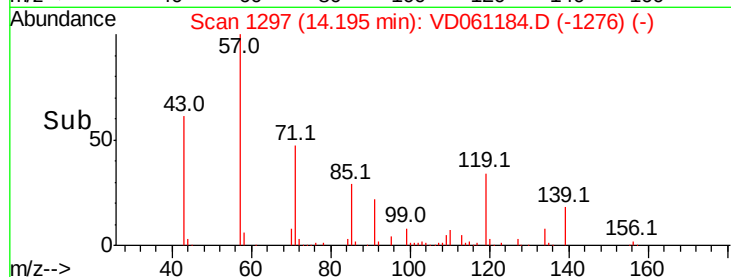
134 22.9 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 299.164 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VD061184.D

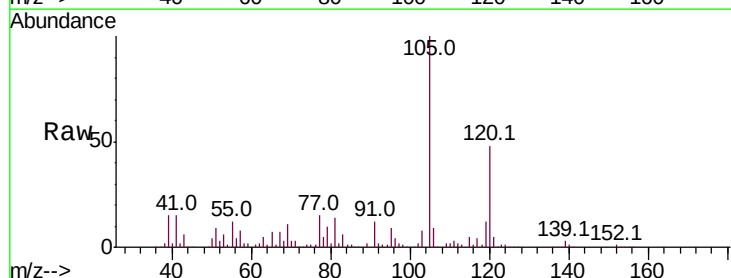
Acq: 19 Mar 2019 14:49

Tgt Ion:105 Resp: 2772535

Ion Ratio Lower Upper

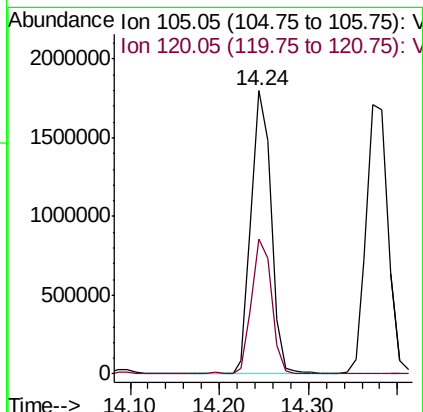
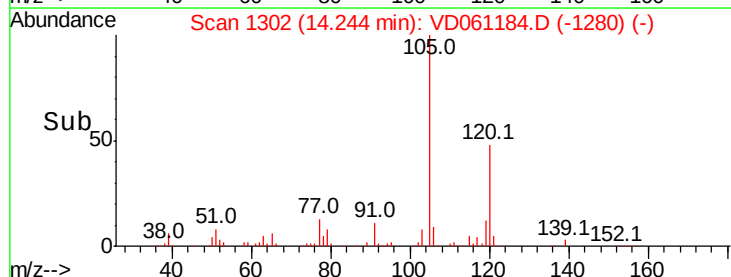
105 100

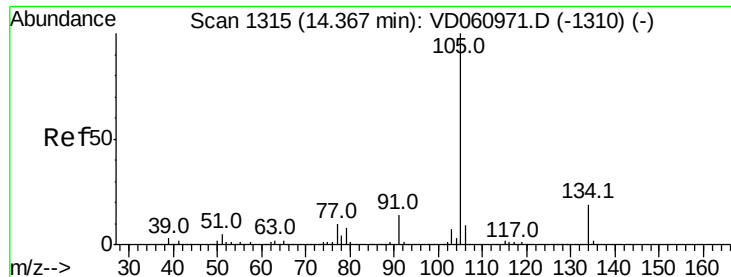
120 47.9 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

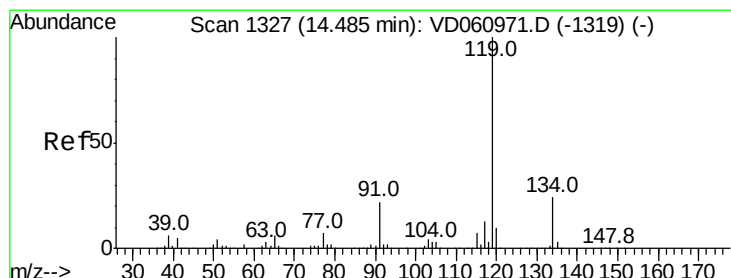
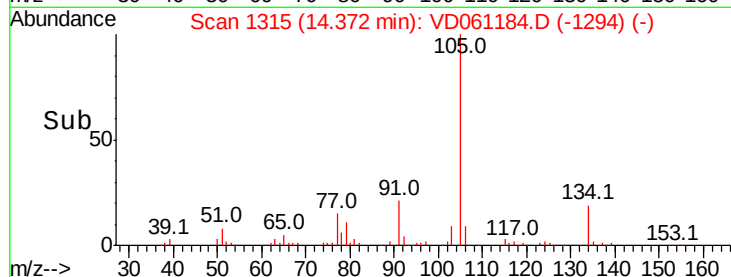
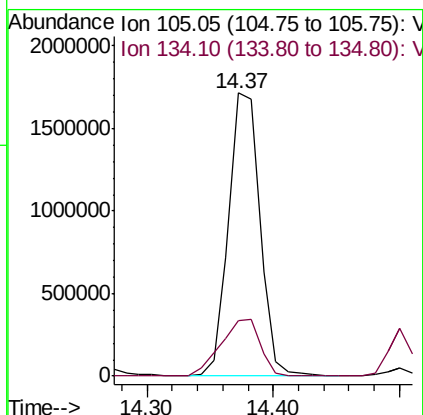
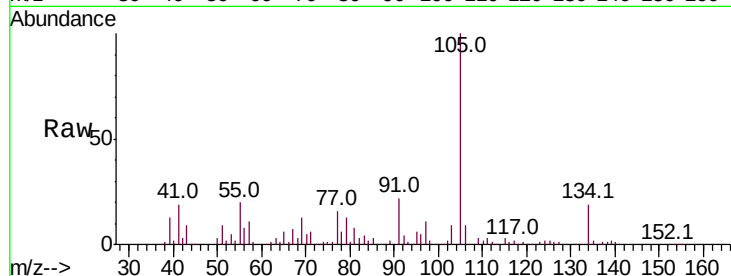




#85
 sec-Butylbenzene
 Concen: 236.554 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061184.D
 Acq: 19 Mar 2019 14:49

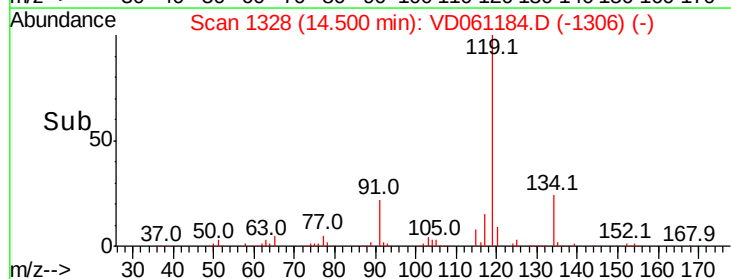
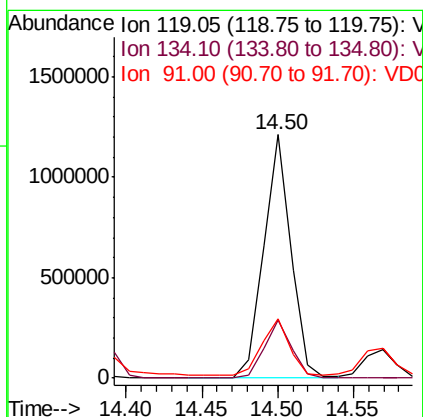
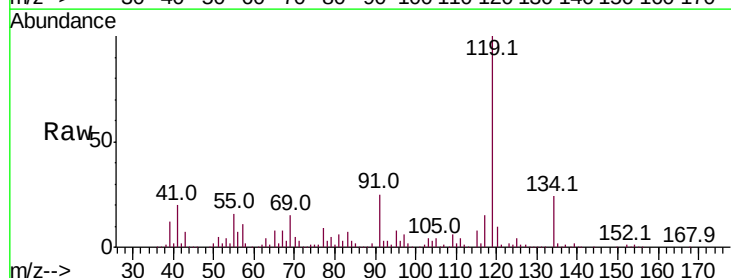
Instrument :
 MSVOA_D
 ClientSampleId :
 P-9-W.WALL-N.CENTER

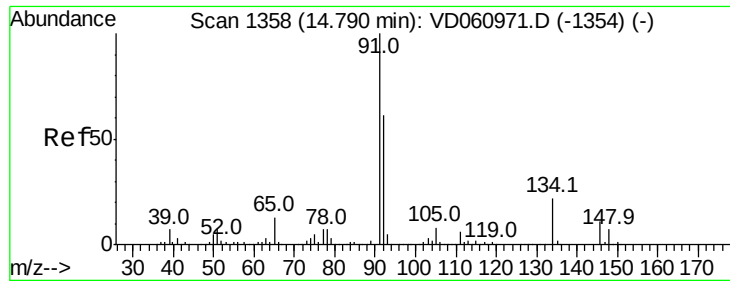
Tot Ion:105 Resp: 2928964
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 150.687 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD061184.D
 Acq: 19 Mar 2019 14:49

Tgt Ion:119 Resp: 1525085
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.0 36.1
 91 24.5 11.2 33.6





#89

n-Butylbenzene

Concen: 168.412 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

Instrument :

MSVOA_D

ClientSampleId :

P-9-W.WALL-N.CENTER

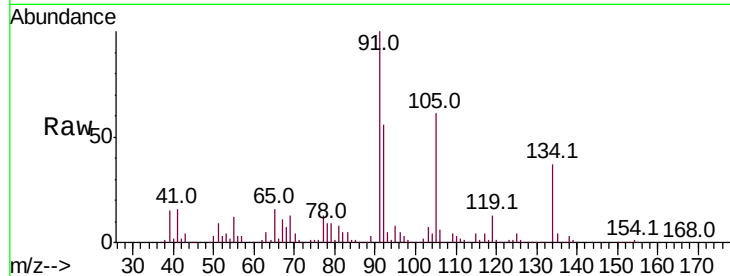
Tot Ion: 91 Resp: 1636844

Ion Ratio Lower Upper

91 100

92 56.3 30.6 91.8

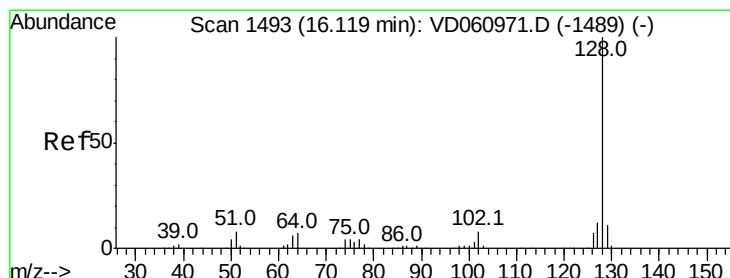
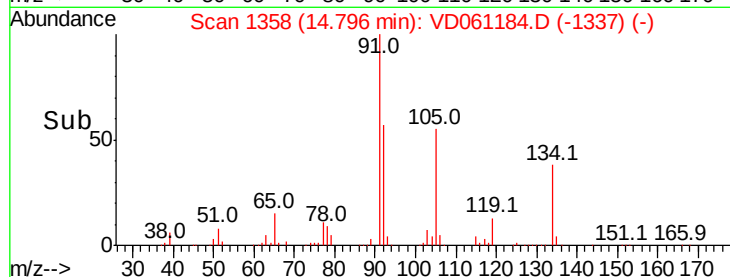
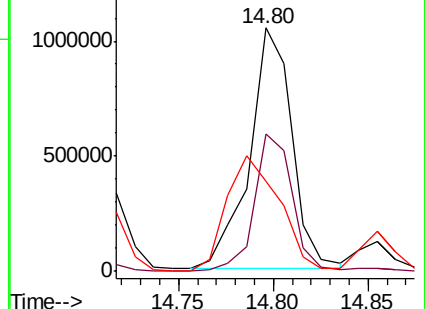
134 37.1 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#95

Naphthalene

Concen: 2.702 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061184.D

Acq: 19 Mar 2019 14:49

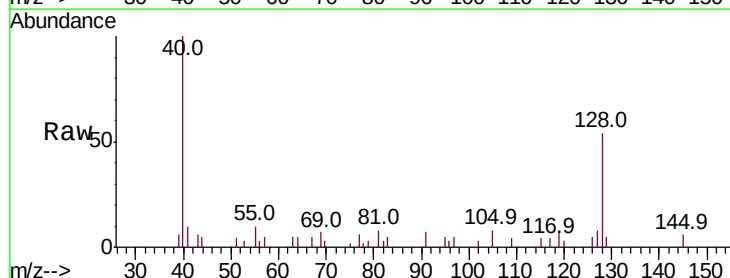
Tgt Ion:128 Resp: 8837

Ion Ratio Lower Upper

128 100

127 14.4 9.8 14.8

129 10.2 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

