

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061767.D
 Acq On : 12 Apr 2019 6:06
 Operator : VA/AP
 Sample : K2345-04
 Misc : 7.83g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 06:57:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	11230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	24169	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	24988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	11489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	10452	122.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	245.58%	
35) Dibromofluoromethane	6.92	113	9909	59.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.36%	
50) Toluene-d8	10.40	98	18449	43.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.72%	
62) 4-Bromofluorobenzene	13.55	95	9645	71.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	142.88%	

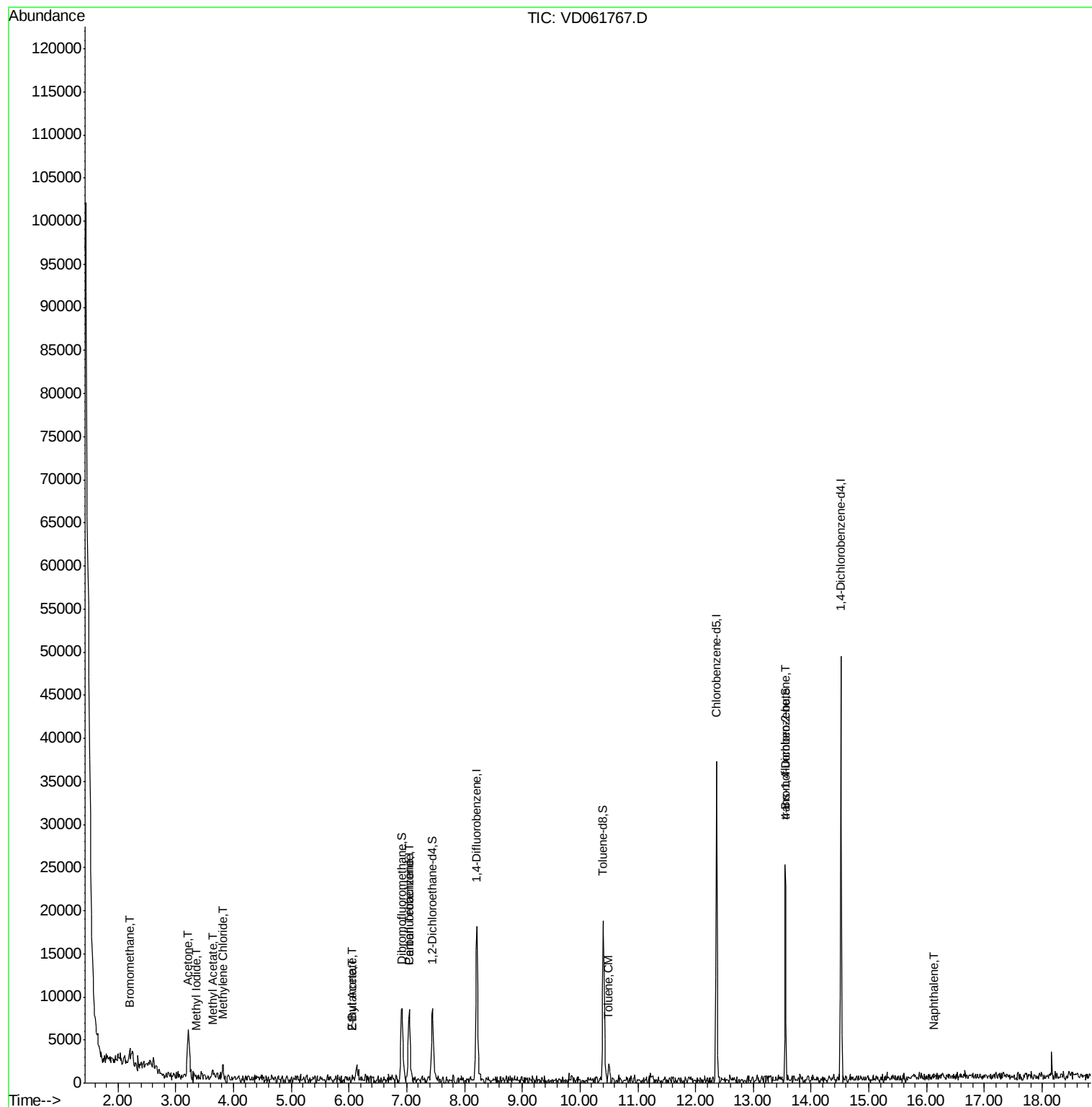
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1644	77.639	ug/l #	12
10) Methyl Iodide	3.34	142	1149	8.913	ug/l #	38
16) Acetone	3.22	43	11628	456.967	ug/l	91
18) Methyl Acetate	3.65	43	2143	44.762	ug/l #	53
20) Methylene Chloride	3.81	84	1293	8.955	ug/l #	37
25) 2-Butanone	6.06	43	197	6.716	ug/l #	54
37) Ethyl Acetate	6.06	43	197	2.287	ug/l #	68
38) Carbon Tetrachloride	7.03	117	630	2.541	ug/l #	11
52) Toluene	10.50	92	1041	3.267	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	3520	74.211	ug/l #	20
95) Naphthalene	16.13	128	463	1.822	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

Instrument :

MSVOA_D

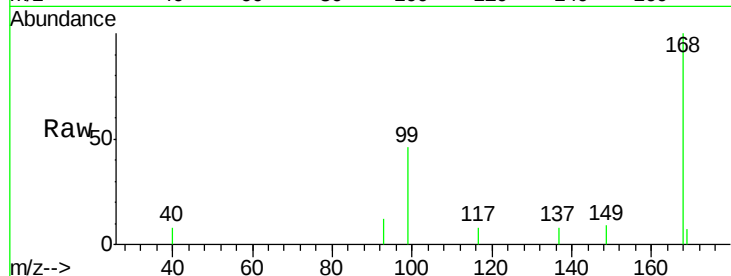
ClientSampleId :

Tot Ion:168 Resp: 11230

Ion Ratio Lower Upper

168 100

99 46.3 46.8 70.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

4000

3000

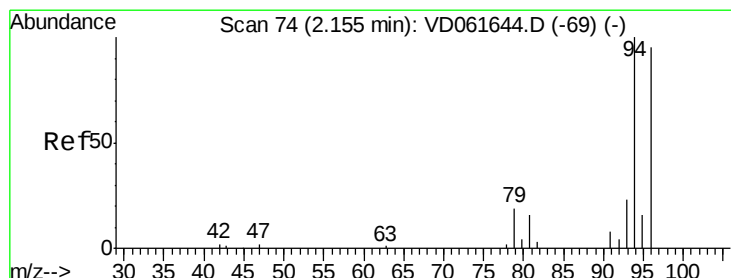
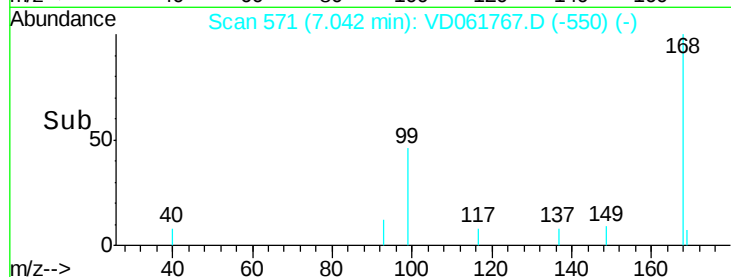
2000

1000

0

Time-->

6.95 7.00 7.05 7.10 7.15



#5

Bromomethane

Concen: 77.639 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.03 min

Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

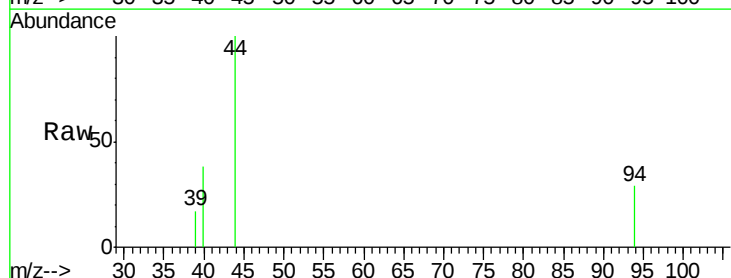
Tgt Ion: 94 Resp: 1644

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

93 0.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

800

600

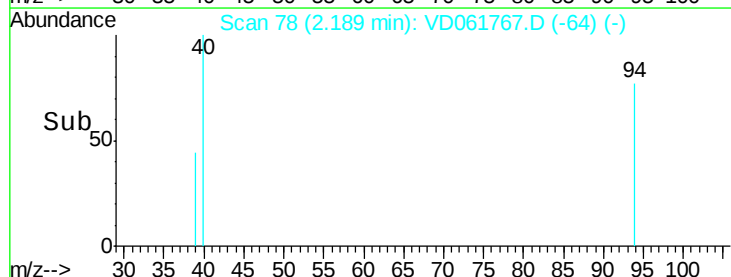
400

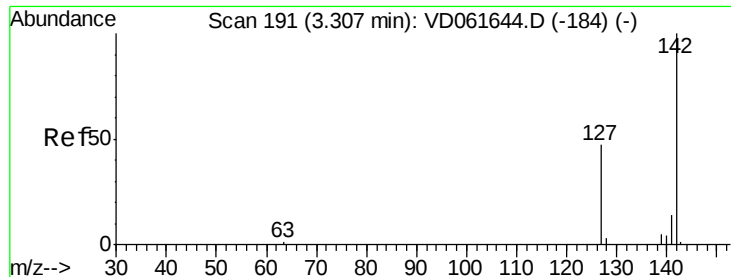
200

0

Time-->

2.10 2.15 2.20

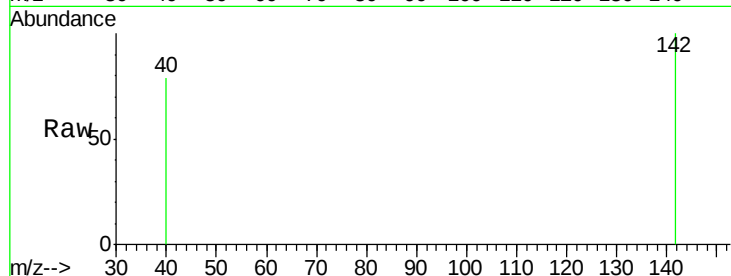




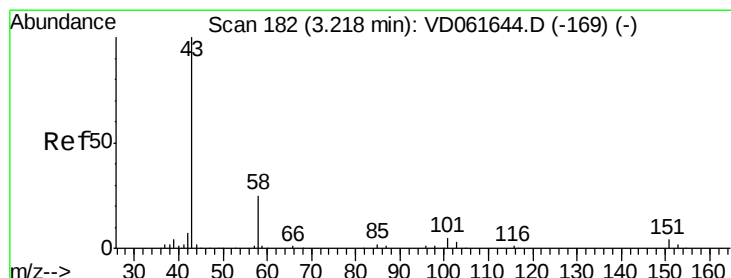
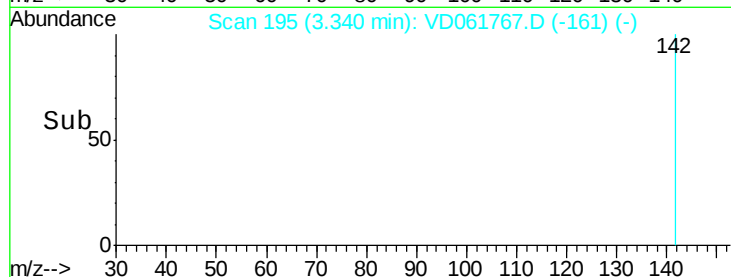
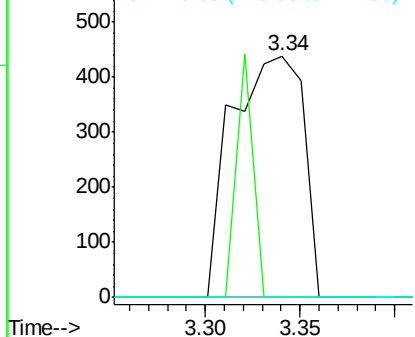
#10
Methvl Iodide
Concen: 8.913 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.03 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 1149
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#

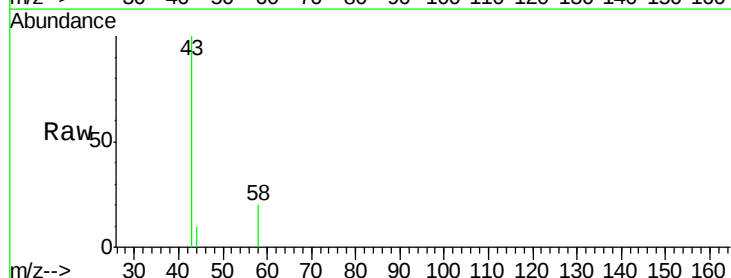


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

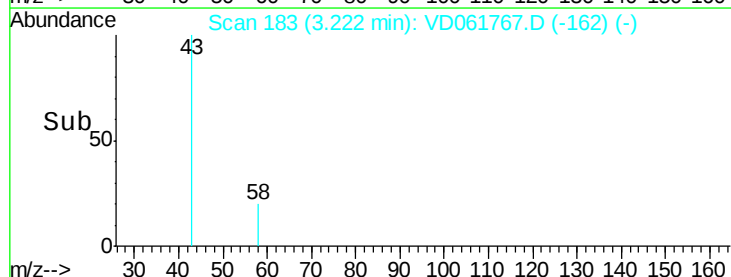
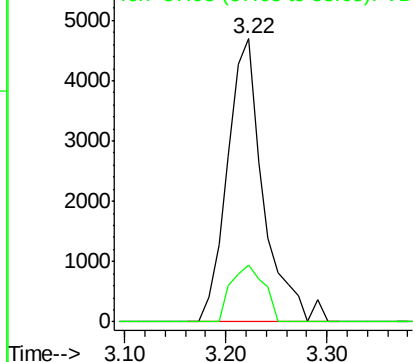


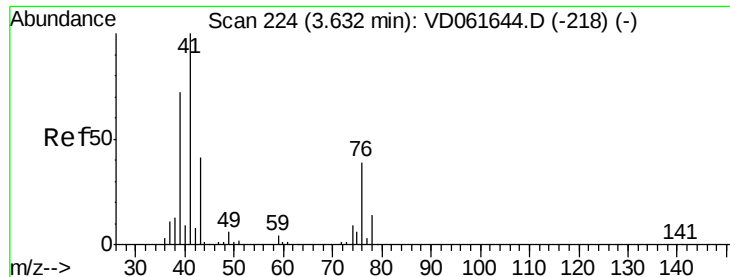
#16
Acetone
Concen: 456.967 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Tgt Ion: 43 Resp: 11628
Ion Ratio Lower Upper
43 100
58 20.3 19.7 29.5



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

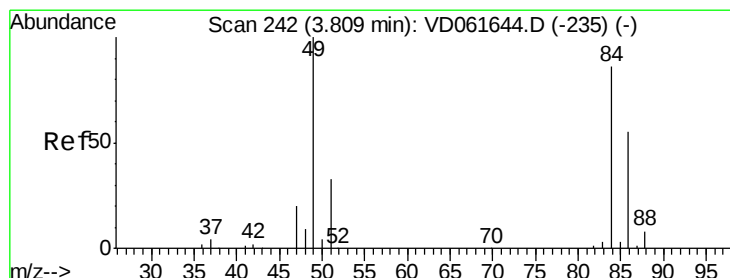
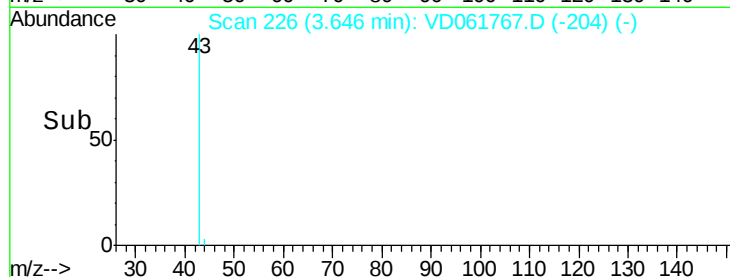
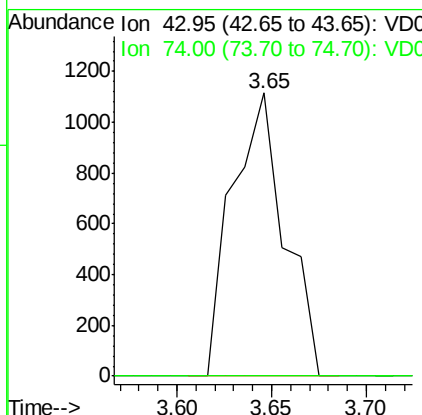
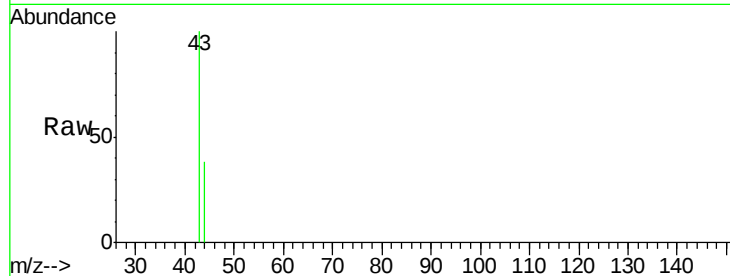




#18
Methyl Acetate
Concen: 44.762 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

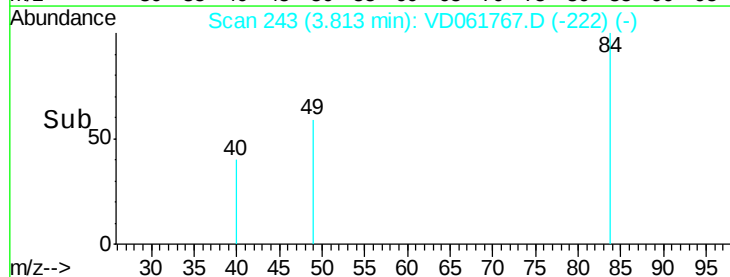
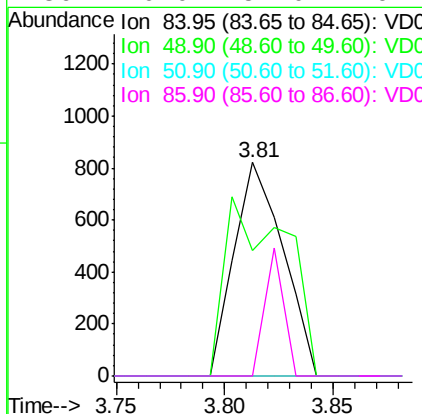
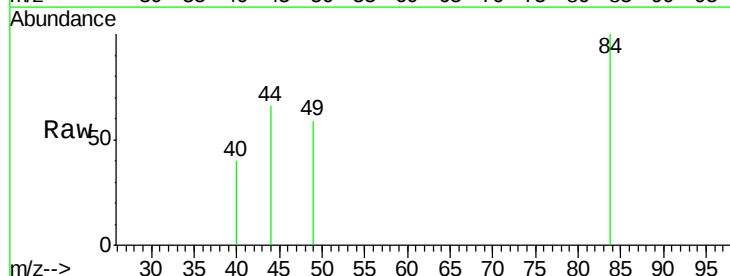
Instrument :
MSVOA_D
ClientSampleId :

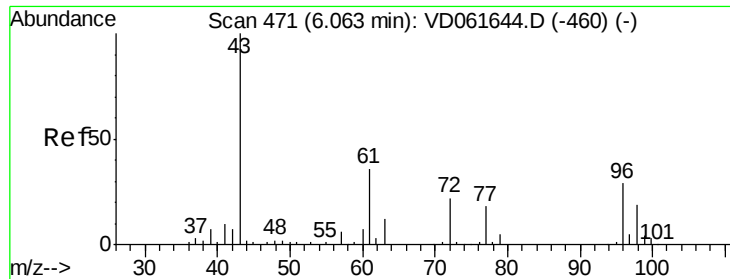
Tot Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 8.955 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Tgt Ion: 84 Resp: 1293
Ion Ratio Lower Upper
84 100
49 58.6 93.0 139.4#
51 0.0 30.4 45.6#
86 0.0 51.0 76.4#





#25

2-Butanone

Concen: 6.716 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

Instrument :

MSVOA_D

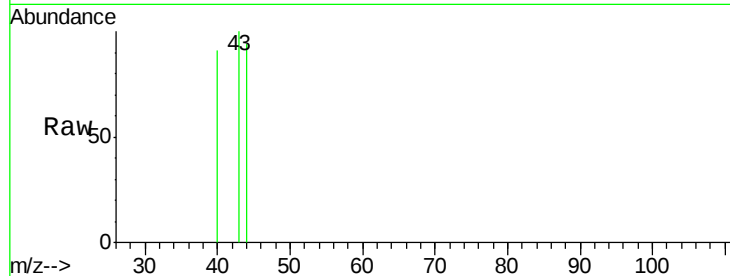
ClientSampleId :

Tot Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

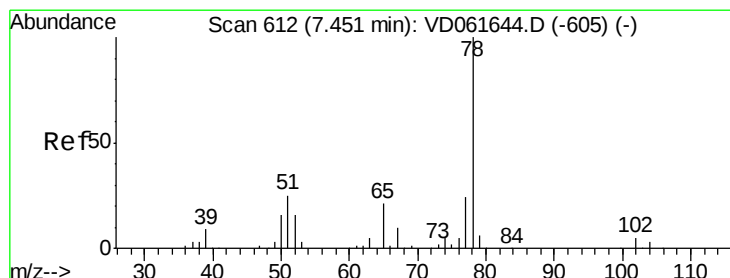
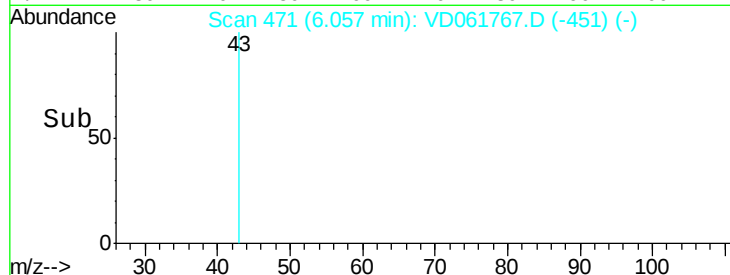
300

200

100

0

Time--> 6.02 6.04 6.06 6.08



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061767.D

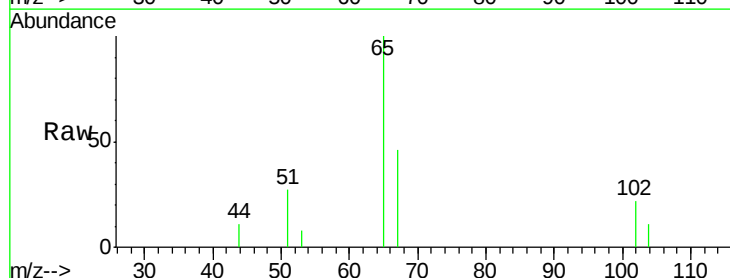
Acq: 12 Apr 2019 6:06

Tgt Ion: 65 Resp: 10452

Ion Ratio Lower Upper

65 100

67 46.3 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

4000

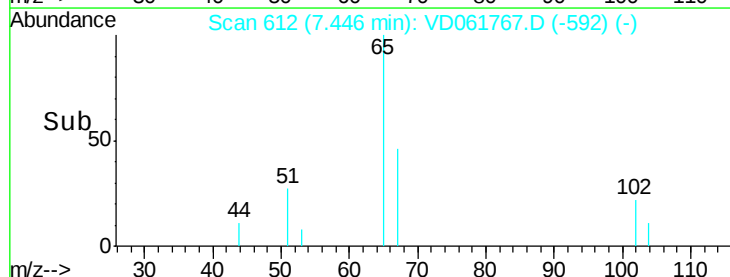
3000

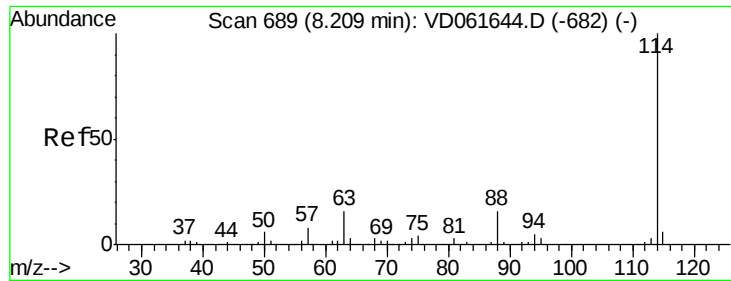
2000

1000

0

Time--> 7.35 7.40 7.45 7.50 7.55

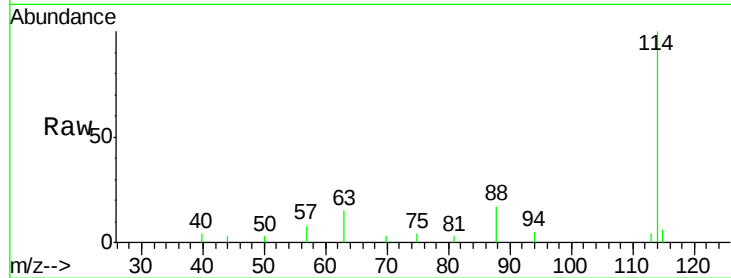




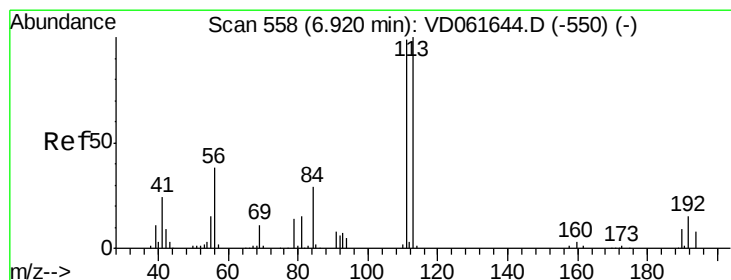
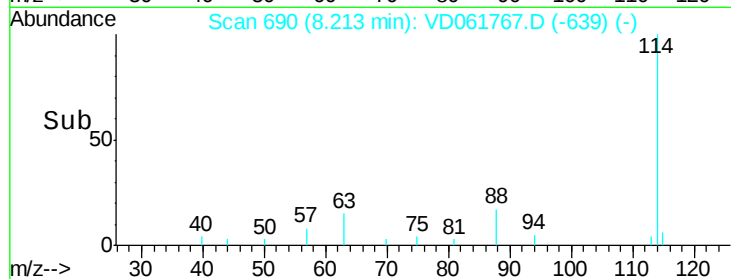
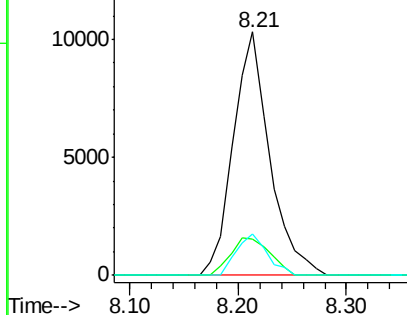
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061767.D
 Acq: 12 Apr 2019 6:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 24169
 Ion Ratio Lower Upper
 114 100
 63 14.8 0.0 31.2
 88 17.0 0.0 31.8

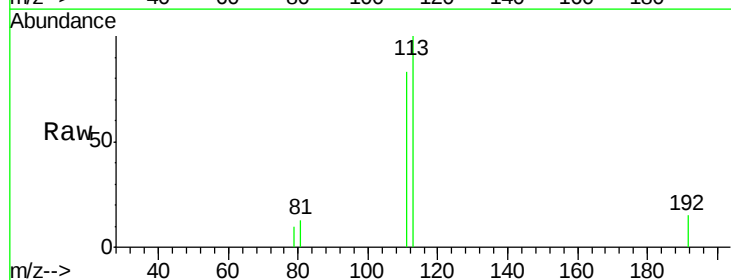


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

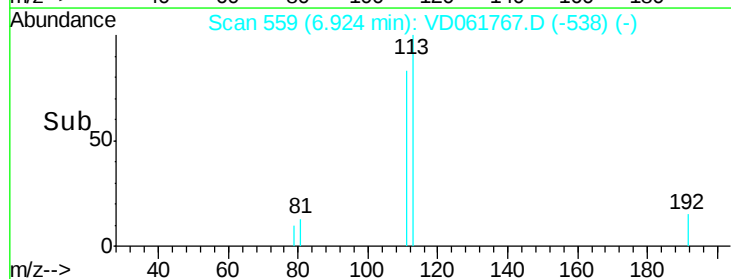
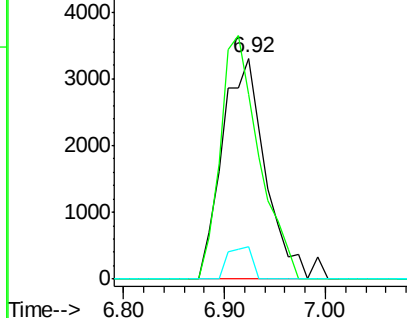


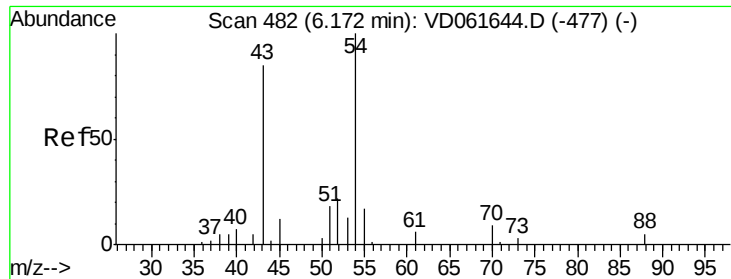
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061767.D
 Acq: 12 Apr 2019 6:06

Tgt Ion:113 Resp: 9909
 Ion Ratio Lower Upper
 113 100
 111 83.4 79.3 118.9
 192 14.9 12.3 18.5



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

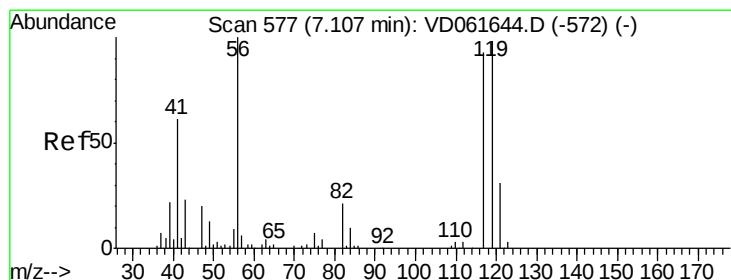
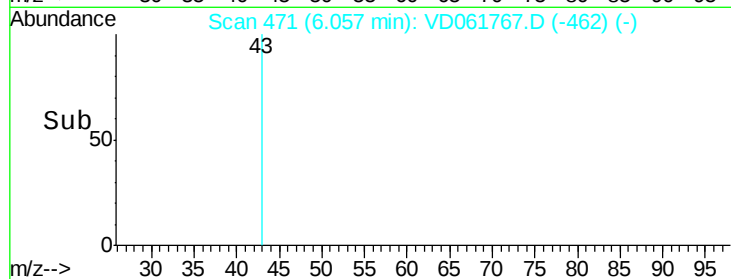
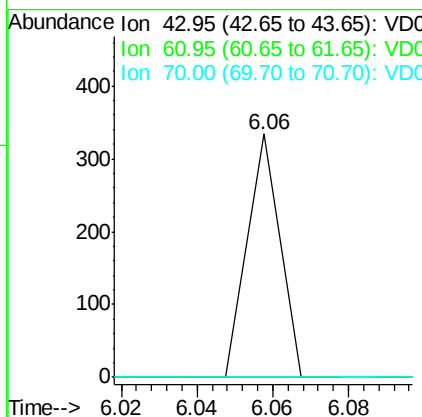
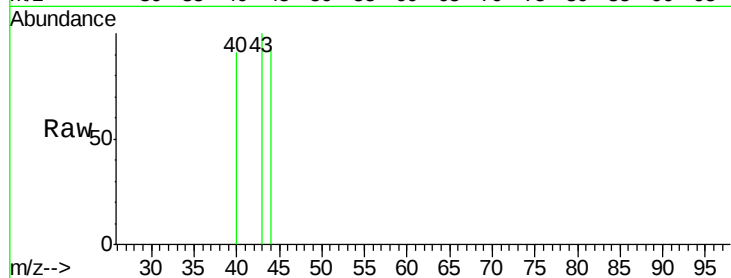




#37
Ethyl Acetate
Concen: 2.287 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.11 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

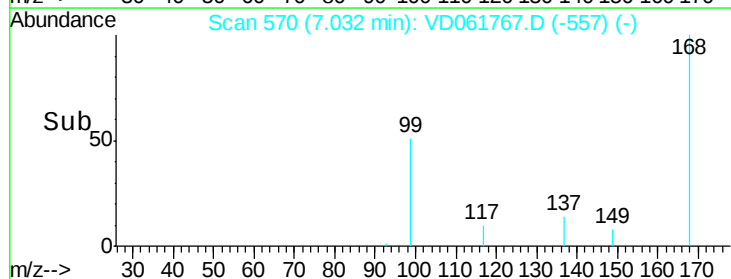
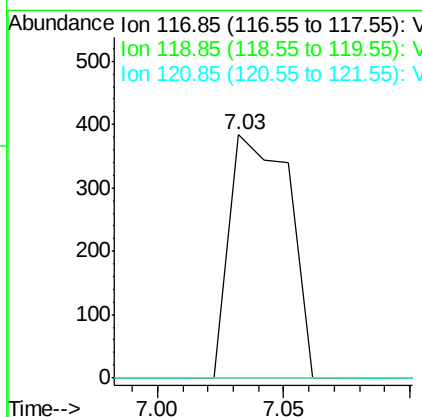
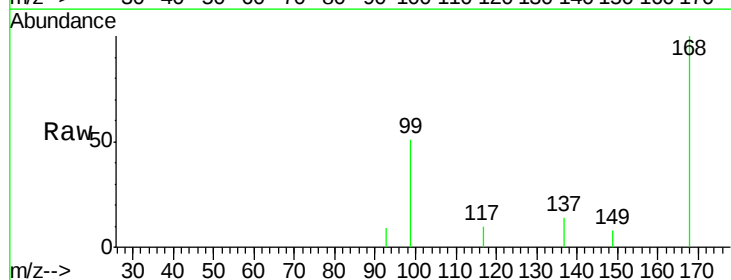
Instrument :
MSVOA_D
ClientSampleId :

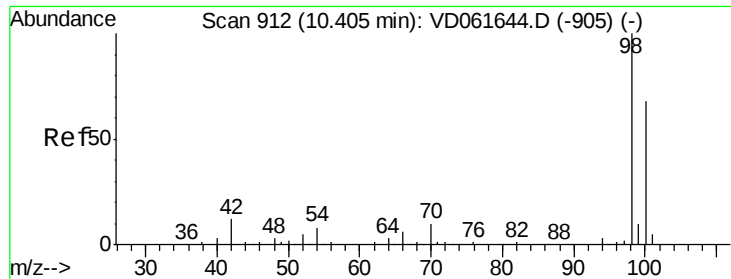
Tot Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 2.541 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Tgt Ion: 117 Resp: 630
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

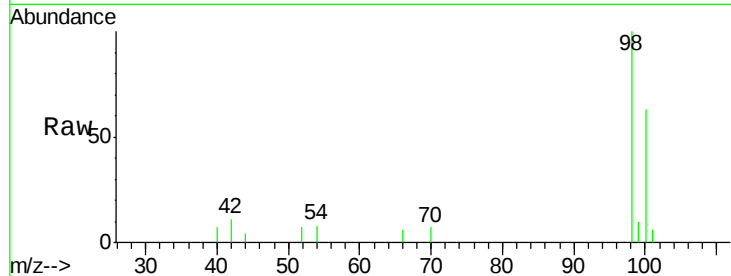




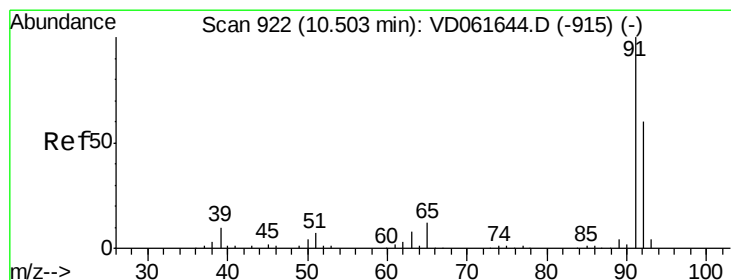
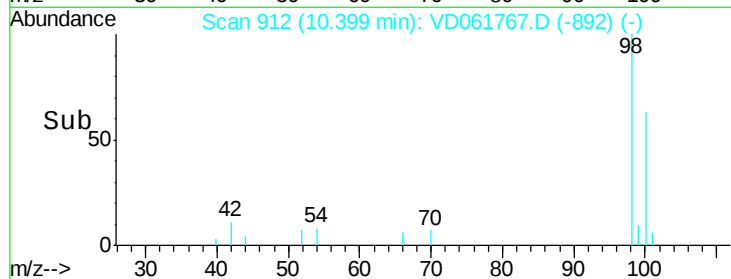
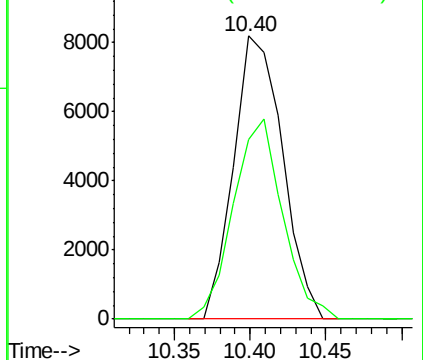
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 18449
Ion Ratio Lower Upper
98 100
100 63.4 55.4 83.0

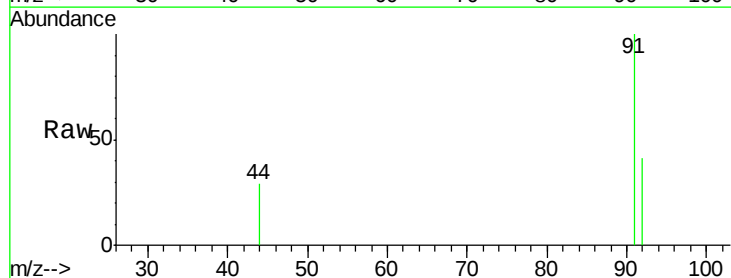


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

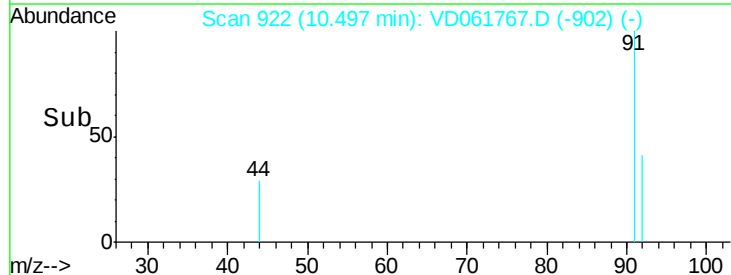
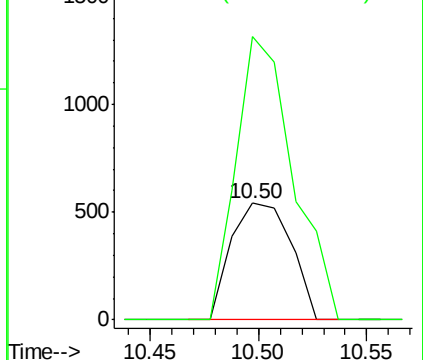


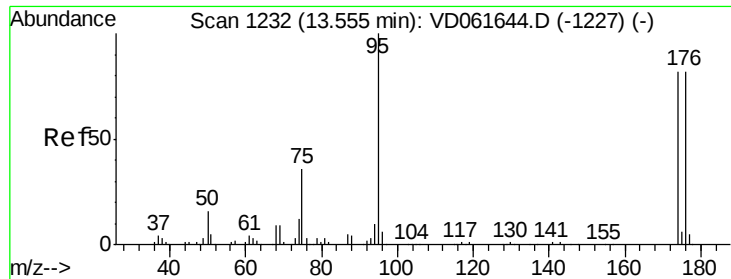
#52
Toluene
Concen: 3.267 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Tgt Ion: 92 Resp: 1041
Ion Ratio Lower Upper
92 100
91 242.9 133.0 199.4#



Abundance Ion 92.00 (91.70 to 92.70): VD061644.D (-915) (-)
Ion 91.00 (90.70 to 91.70): VD061644.D (-915) (-)

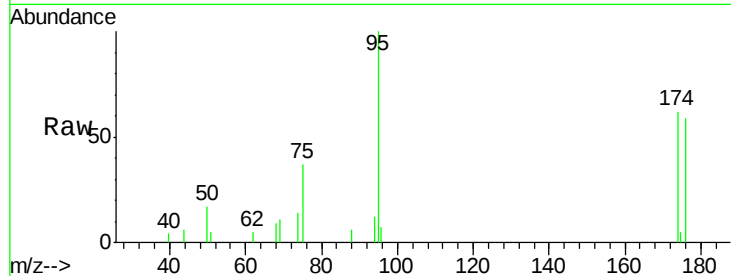




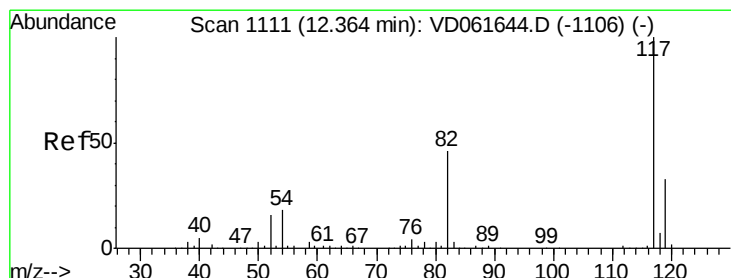
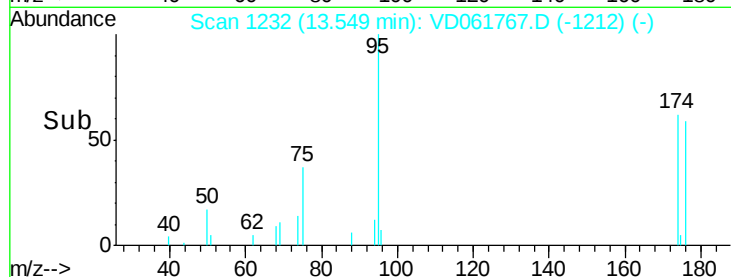
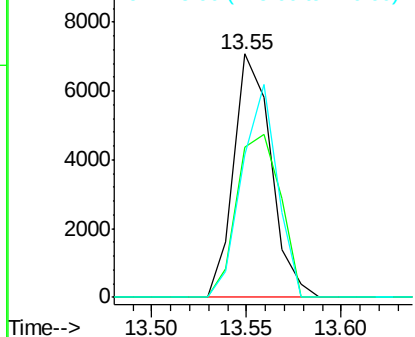
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 9645
Ion Ratio Lower Upper
95 100
174 61.9 0.0 164.6
176 58.6 0.0 165.0

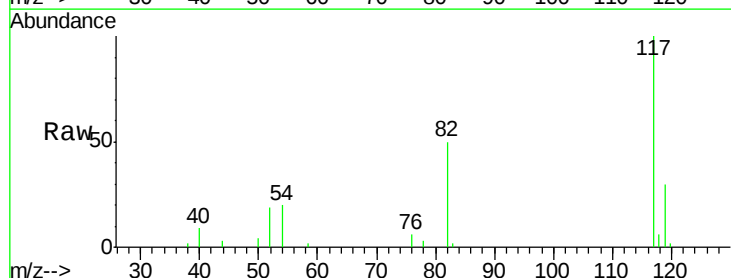


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

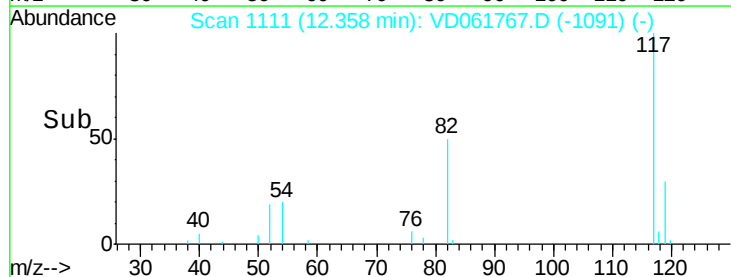
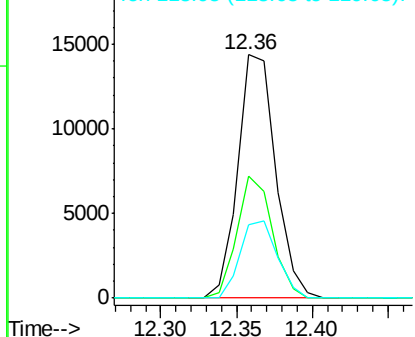


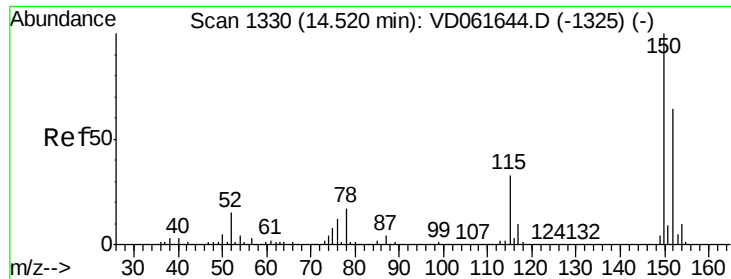
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061767.D
Acq: 12 Apr 2019 6:06

Tgt Ion: 117 Resp: 24988
Ion Ratio Lower Upper
117 100
82 50.1 36.8 55.2
119 30.1 26.1 39.1



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: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

Instrument :

MSVOA_D

ClientSampleId :

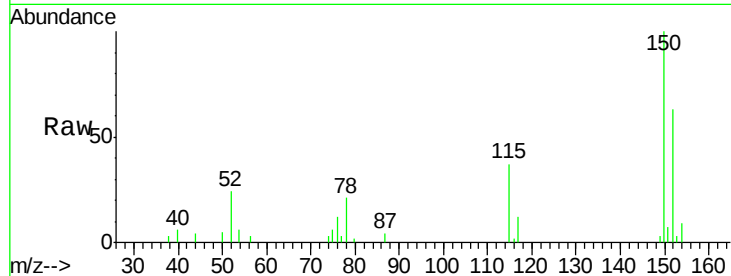
Tot Ion:152 Resp: 11489

Ion Ratio Lower Upper

152 100

115 58.0 26.4 79.2

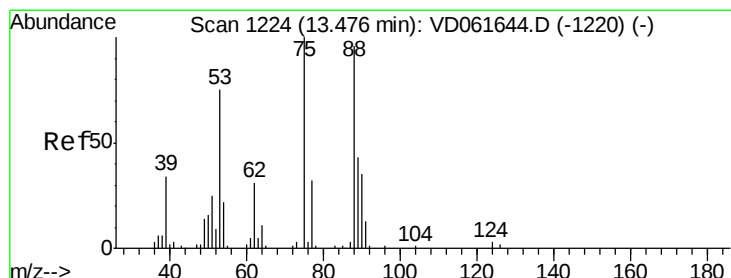
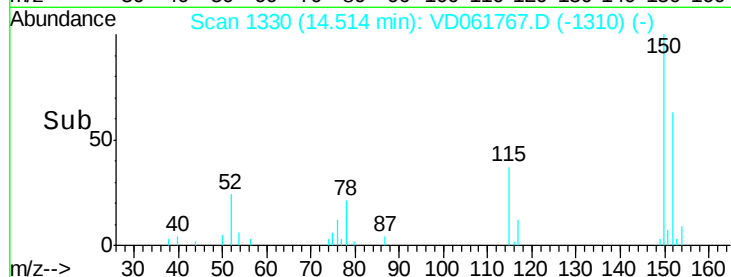
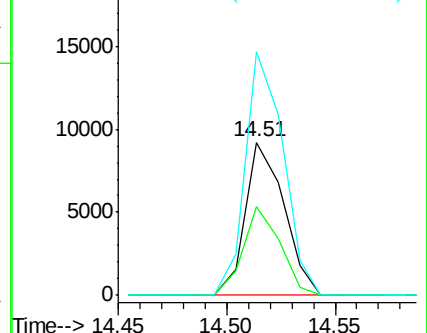
150 158.9 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 74.211 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

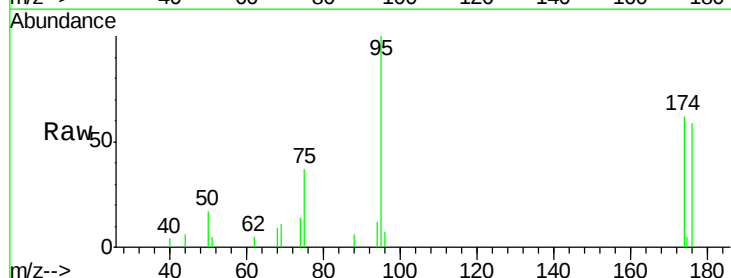
Tgt Ion: 75 Resp: 3520

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

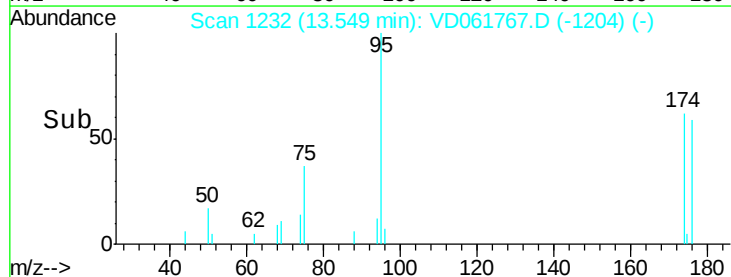
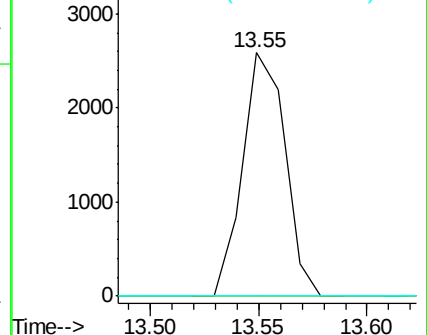
89 0.0 34.2 51.2#

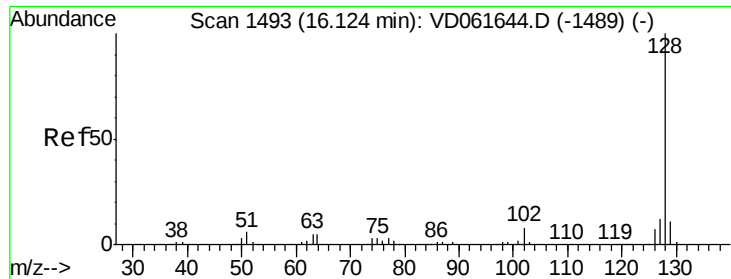


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.822 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

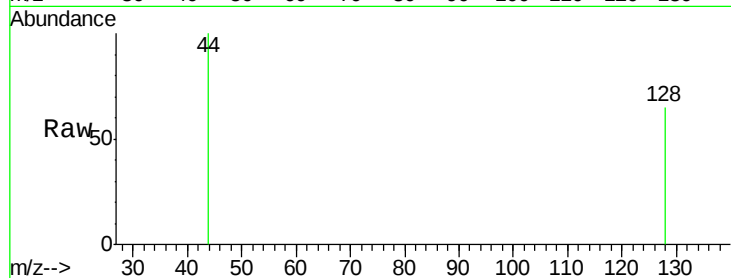
Lab File: VD061767.D

Acq: 12 Apr 2019 6:06

Instrument :

MSVOA_D

ClientSampleId :



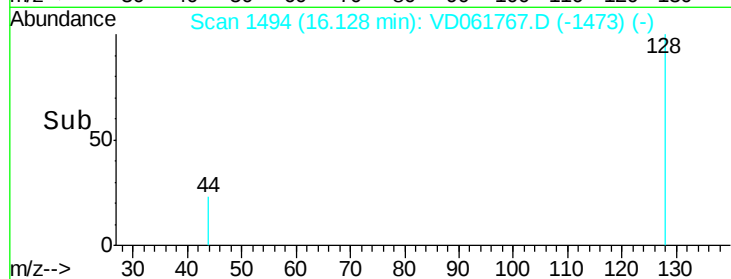
Tot Ion:128 Resp: 463

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



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

