

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057975.D
 Acq On : 7 Jun 2018 16:50
 Operator : JC/SY
 Sample : J2688-01
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(7.0)

Quant Time: Jun 08 06:49:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	442823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	459078	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	219612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	44895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	172623	38.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.98%	
35) Dibromofluoromethane	5.54	113	216301	60.90	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	121.80%	
50) Toluene-d8	8.70	98	444424	52.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	11.93	95	90529	24.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	49.14%	

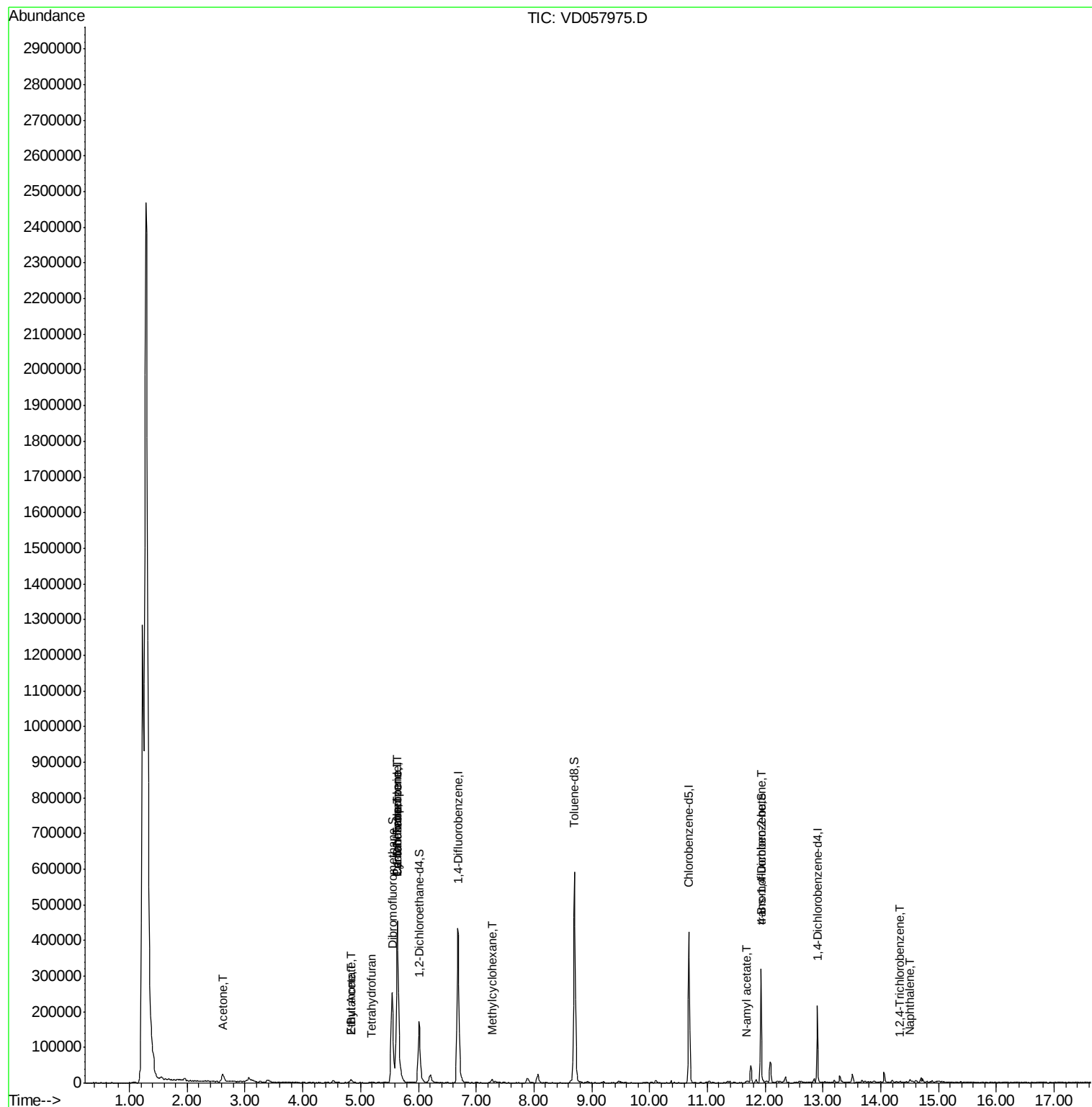
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	49793	78.066	ug/l	99
20) Methylene Chloride	3.09	84	2719	Below Cal	#	64
25) 2-Butanone	4.83	43	14433	9.957	ug/l #	88
29) Tetrahydrofuran	5.19	42	1540	2.027	ug/l #	39
31) Cyclohexane	5.64	56	16853	2.189	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	38938	7.699	ug/l #	53
37) Ethyl Acetate	4.83	43	14433	5.230	ug/l #	72
38) Carbon Tetrachloride	5.64	117	36077	7.238	ug/l #	15
39) Methylcyclohexane	7.27	83	5441	1.085	ug/l #	81
74) N-amyl acetate	11.66	43	1401	1.221	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.92	75	44431	265.997	ug/l #	6
82) 4-Chlorotoluene	12.32	91	2701	Below Cal	#	50
89) n-Butylbenzene	13.20	91	563	Below Cal	#	30
93) 1,2,4-Trichlorobenzene	14.33	180	1326	1.180	ug/l #	66
95) Naphthalene	14.51	128	3642	2.513	ug/l #	75

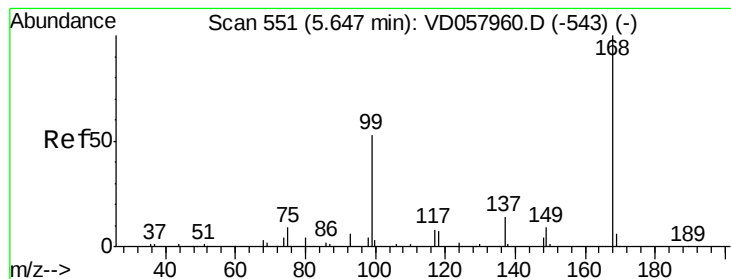
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

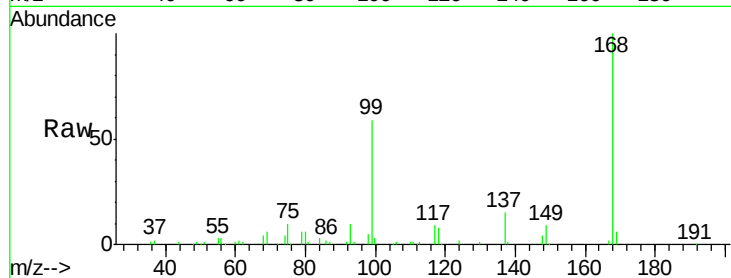
B-1(7.0)

Tgt Ion:168 Resp: 442823

Ion Ratio Lower Upper

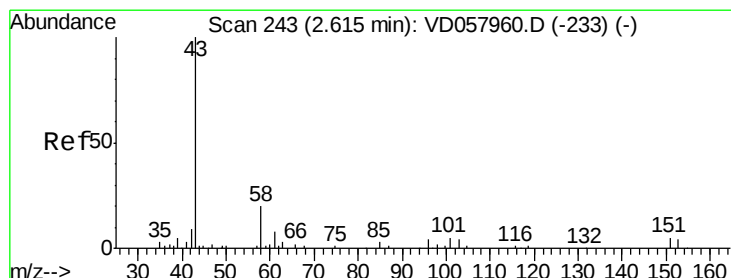
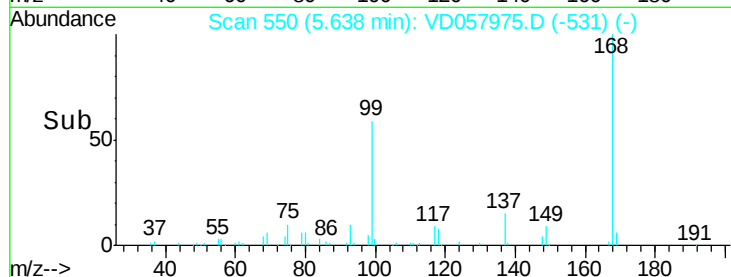
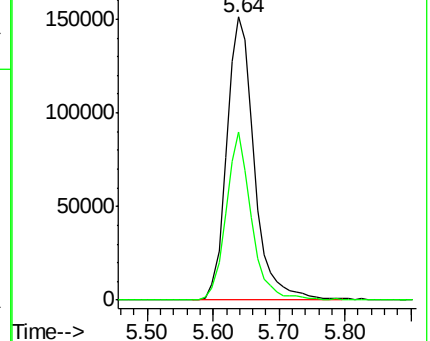
168 100

99 59.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 78.066 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD057975.D

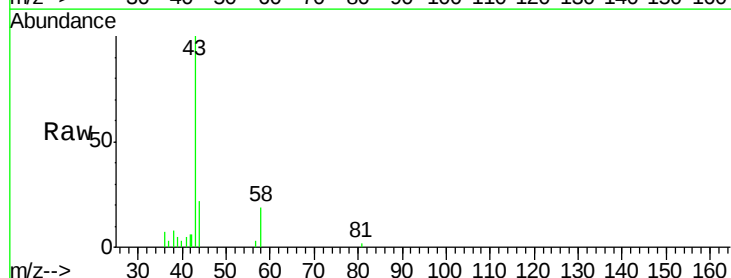
Acq: 7 Jun 2018 16:50

Tgt Ion: 43 Resp: 49793

Ion Ratio Lower Upper

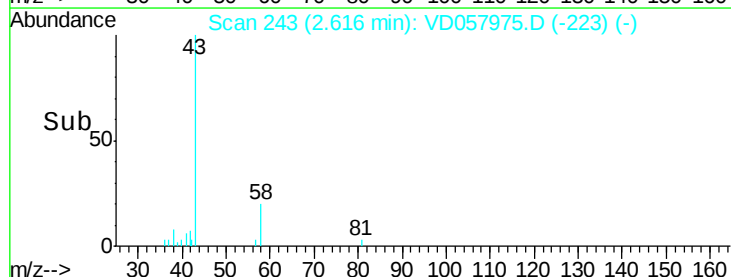
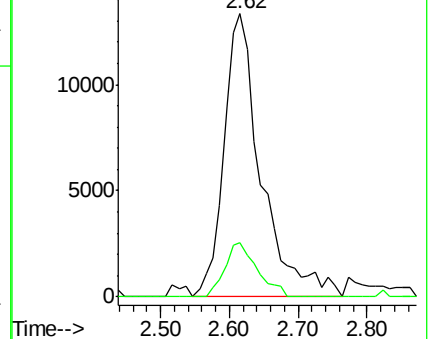
43 100

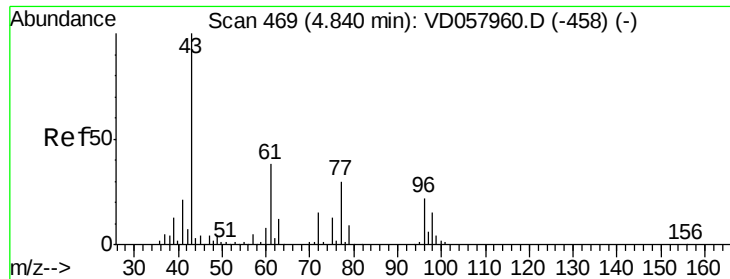
58 19.3 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

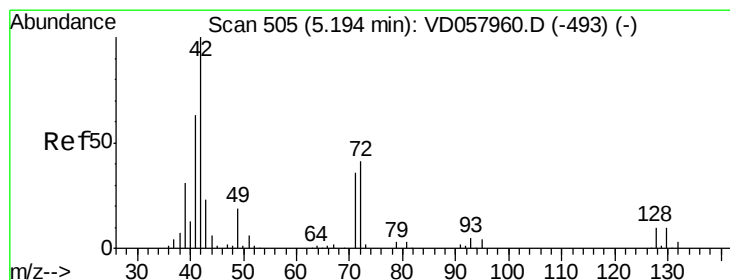
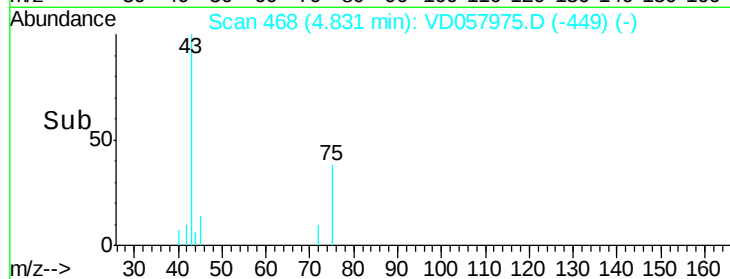
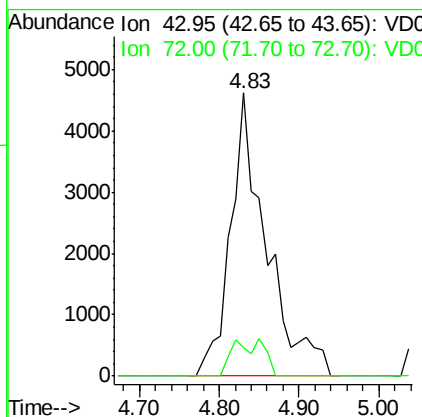
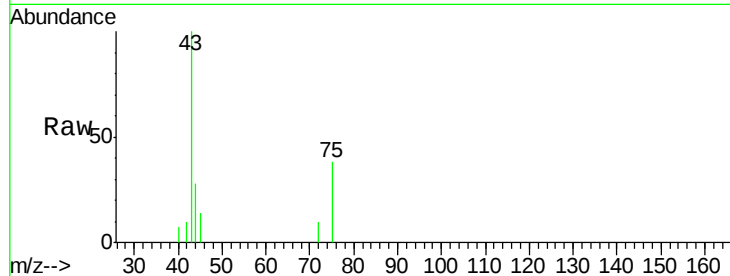




#25
 2-Butanone
 Concen: 9.957 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

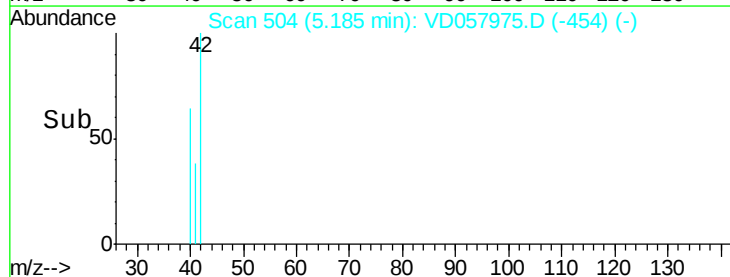
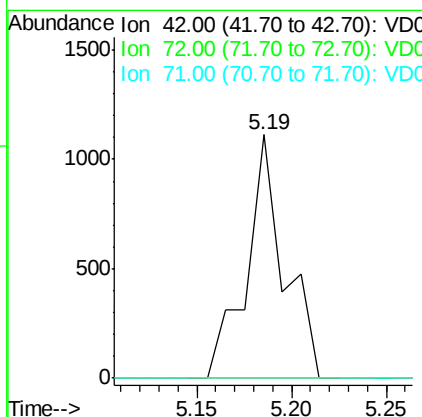
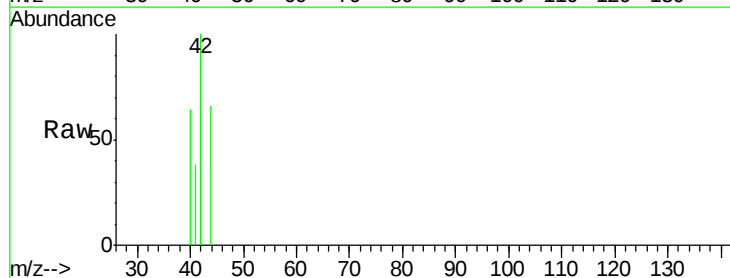
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(7.0)

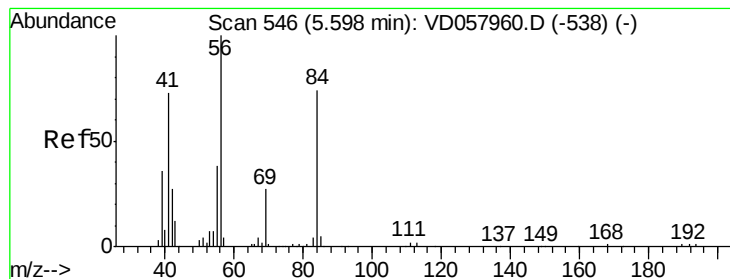
Tgt Ion: 43 Resp: 14433
 Ion Ratio Lower Upper
 43 100
 72 10.2 12.0 18.0#



#29
 Tetrahydrofuran
 Concen: 2.027 ug/l
 RT: 5.19 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

Tgt Ion: 42 Resp: 1540
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.5 42.7#
 71 0.0 27.9 41.9#





#31

Cyclohexane

Concen: 2.189 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

B-1(7.0)

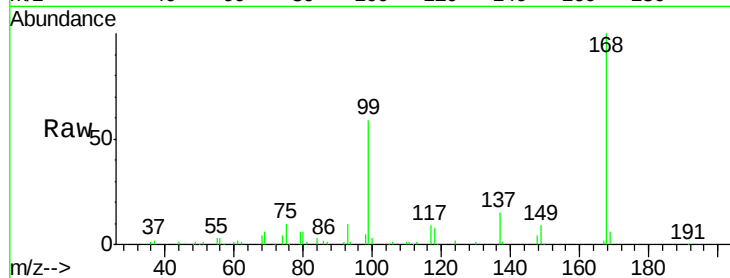
Tgt Ion: 56 Resp: 16853

Ion Ratio Lower Upper

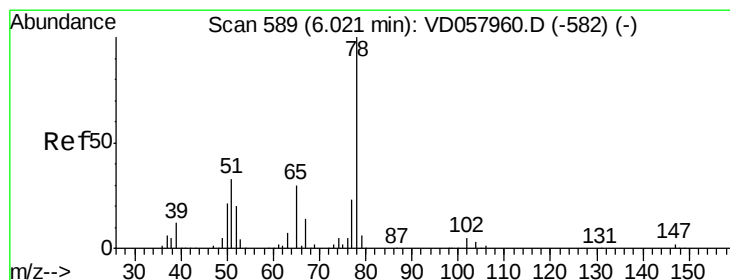
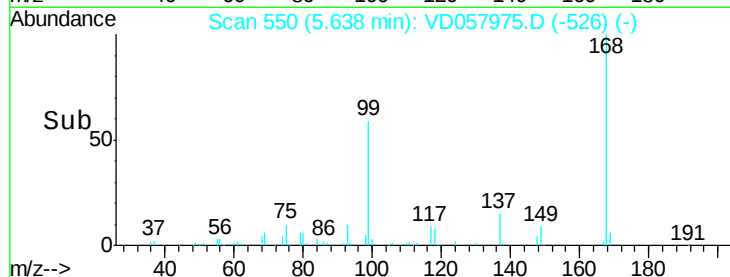
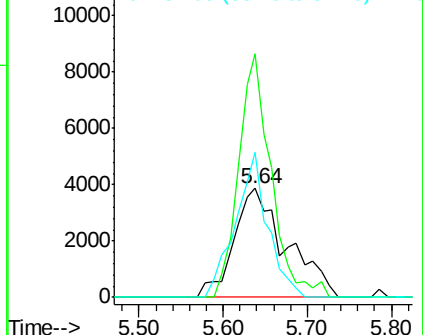
56 100

69 223.2 21.5 32.3#

84 133.2 61.0 91.6#



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: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057975.D

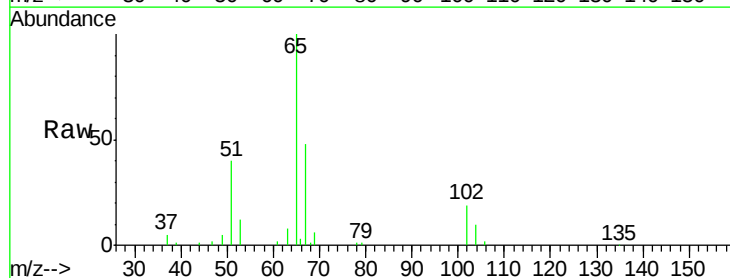
Acq: 7 Jun 2018 16:50

Tgt Ion: 65 Resp: 172623

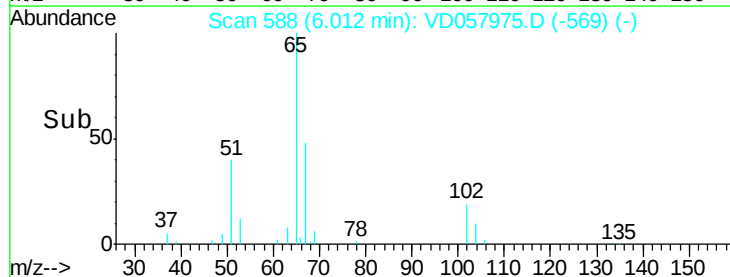
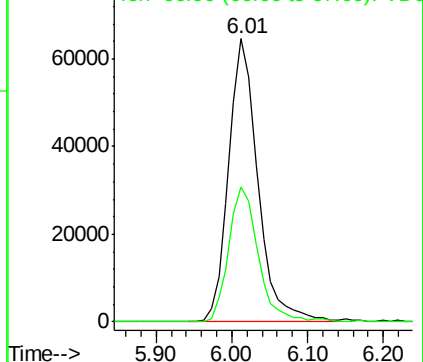
Ion Ratio Lower Upper

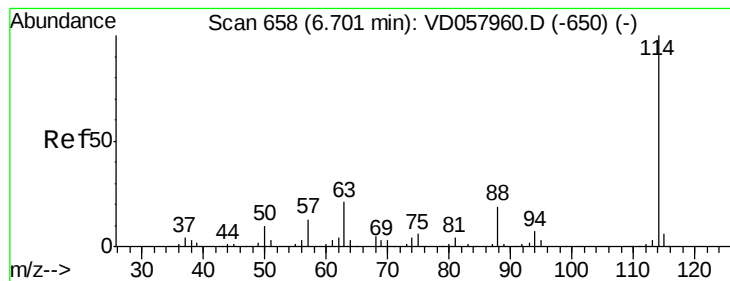
65 100

67 47.5 0.0 94.0



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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

B-1(7.0)

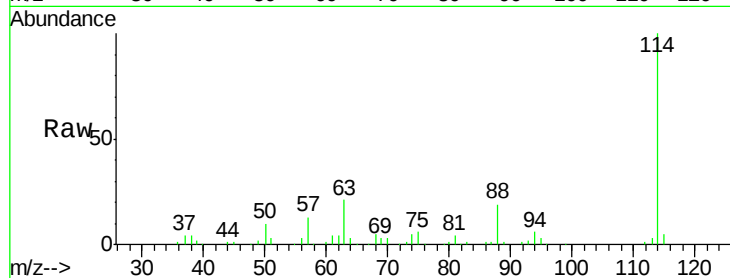
Tgt Ion:114 Resp: 459078

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

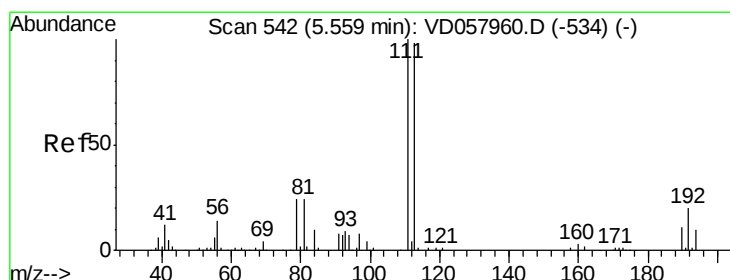
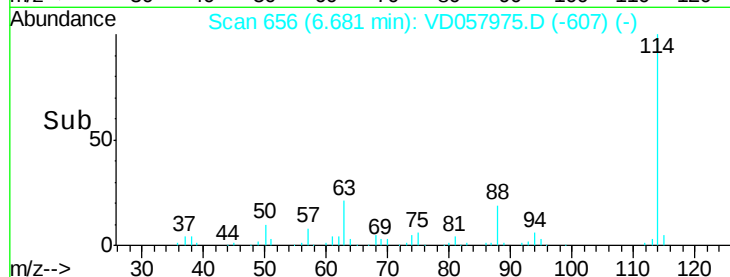
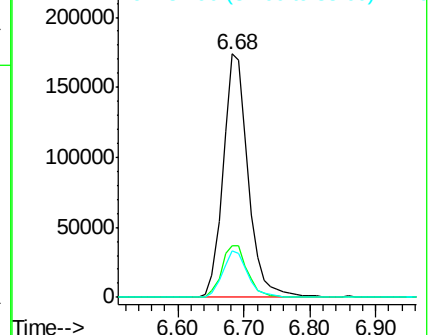
88 19.4 0.0 37.8



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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

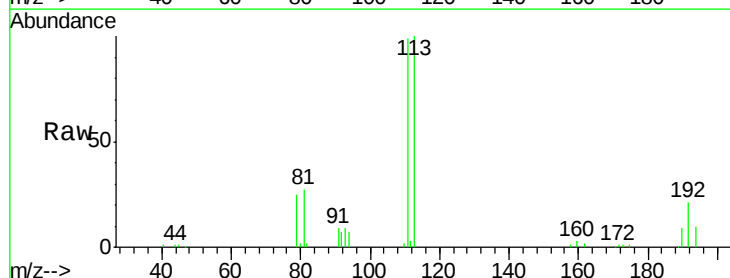
Tgt Ion:113 Resp: 216301

Ion Ratio Lower Upper

113 100

111 99.0 81.5 122.3

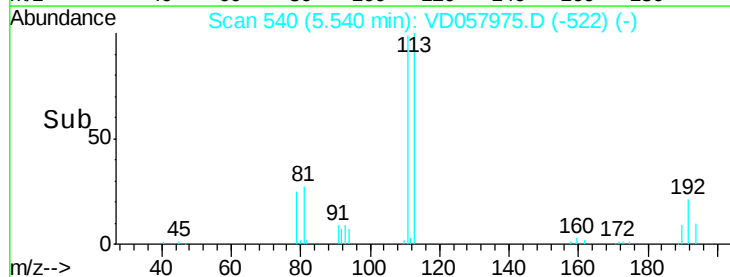
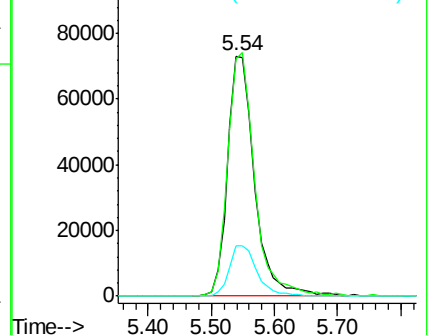
192 20.8 16.4 24.6

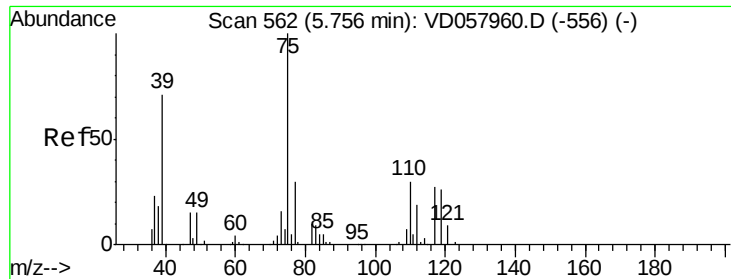


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

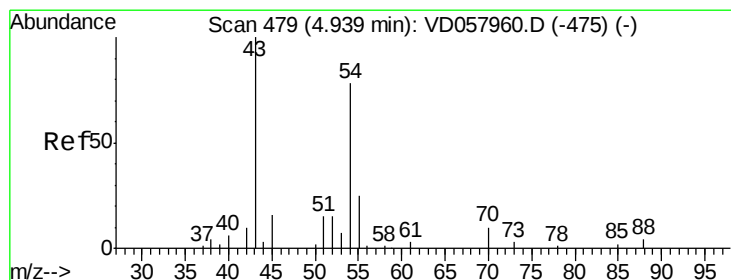
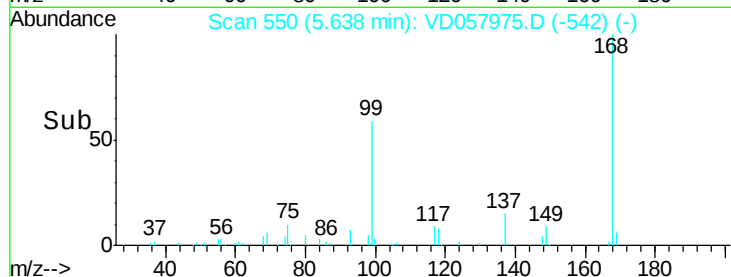
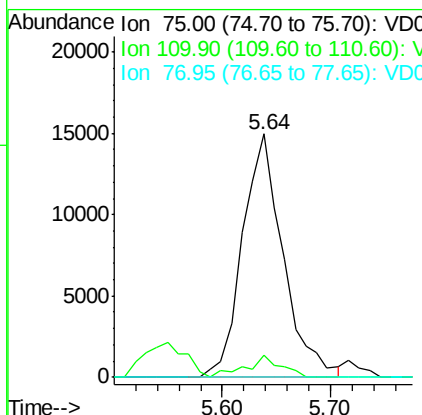
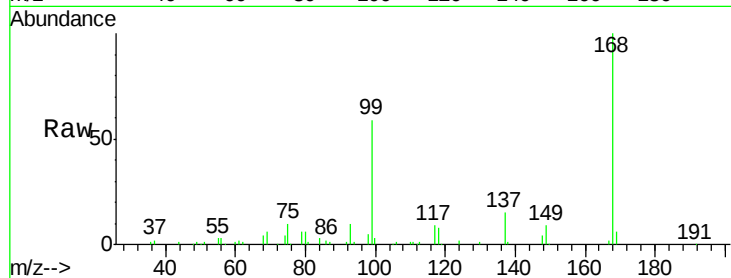




#36
 1,1-Dichloropropene
 Concen: 7.699 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.12 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

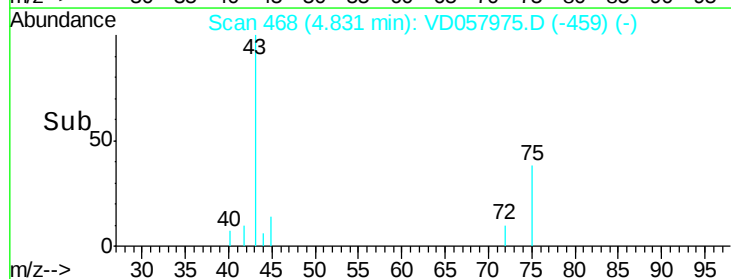
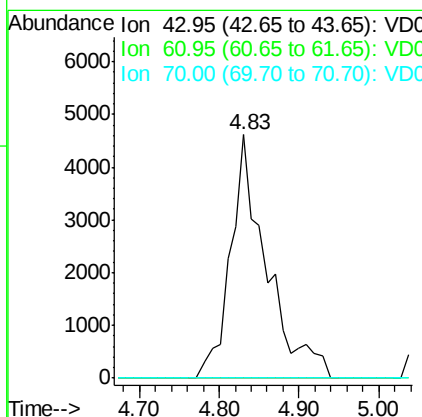
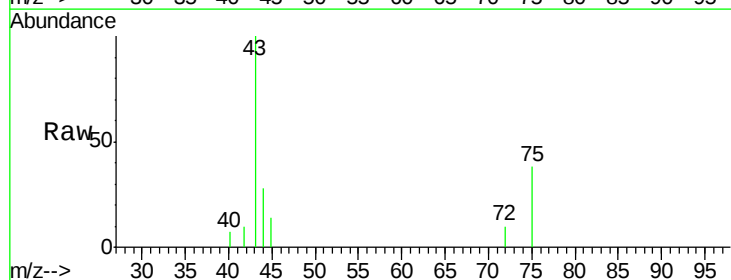
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(7.0)

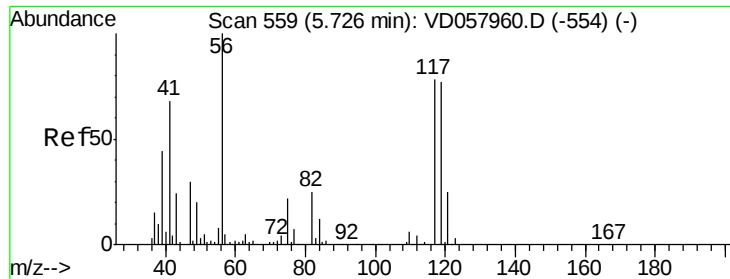
Tgt Ion: 75 Resp: 38938
 Ion Ratio Lower Upper
 75 100
 110 9.2 14.8 44.3#
 77 0.0 23.9 35.9#



#37
 Ethyl Acetate
 Concen: 5.230 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.11 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

Tgt Ion: 43 Resp: 14433
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.9 14.9#
 70 0.0 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 7.238 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

B-1(7.0)

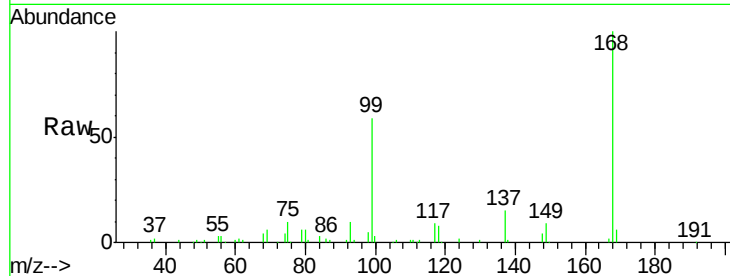
Tgt Ion:117 Resp: 36077

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

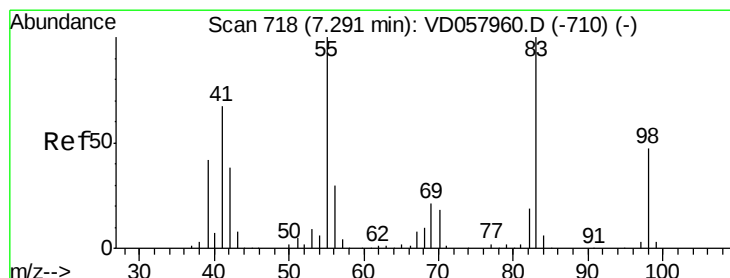
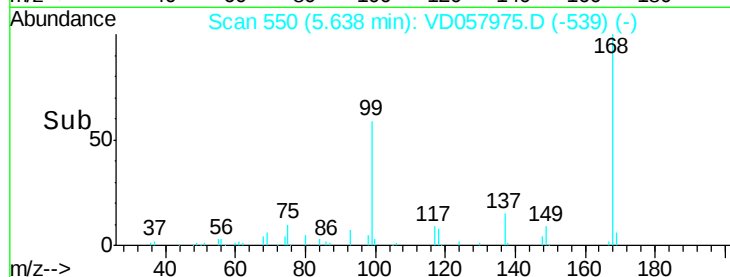
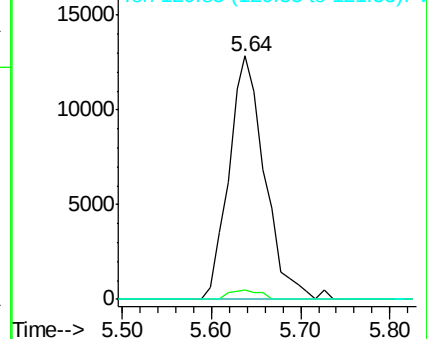
121 0.0 24.9 37.3#



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: 1.085 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

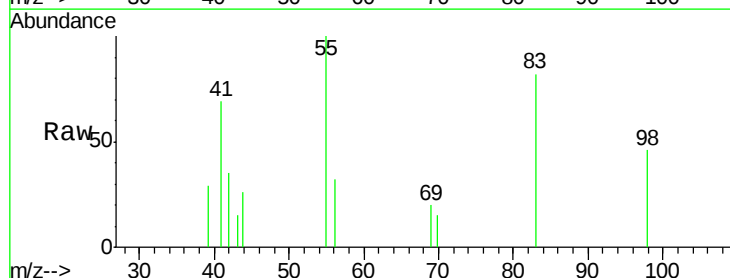
Tgt Ion: 83 Resp: 5441

Ion Ratio Lower Upper

83 100

55 122.1 80.3 120.5#

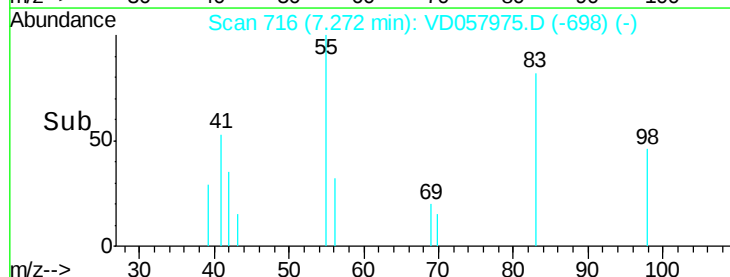
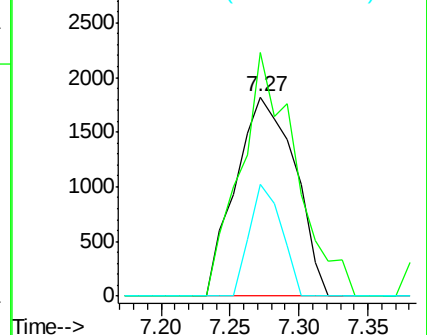
98 56.3 38.0 57.0

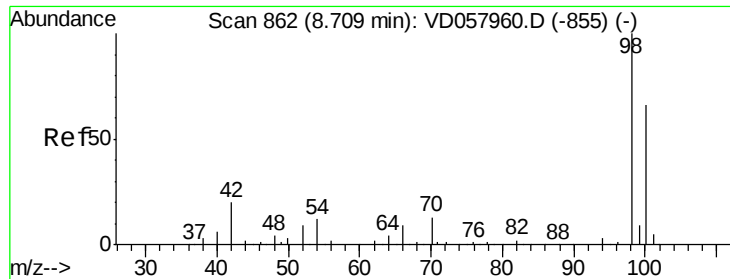


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

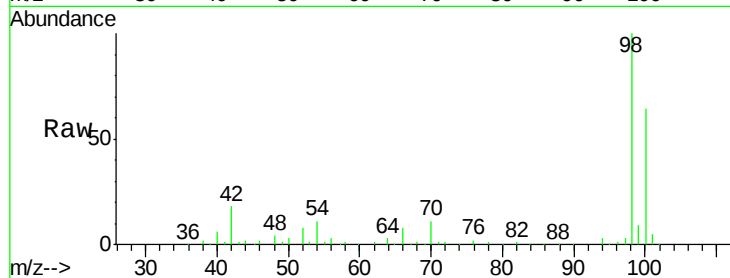
B-1(7.0)

Tgt Ion: 98 Resp: 444424

Ion Ratio Lower Upper

98 100

100 63.8 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

8.70

250000

200000

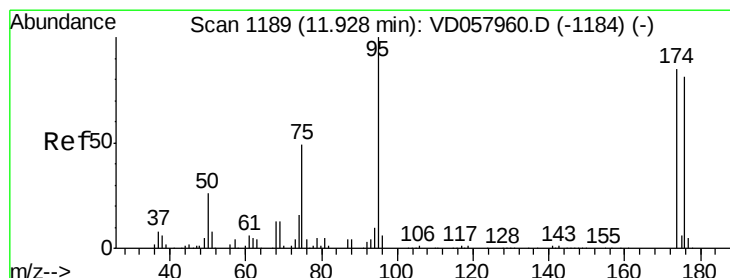
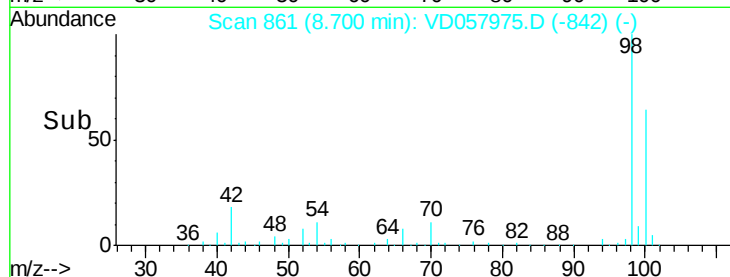
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD057975.D

Acq: 7 Jun 2018 16:50

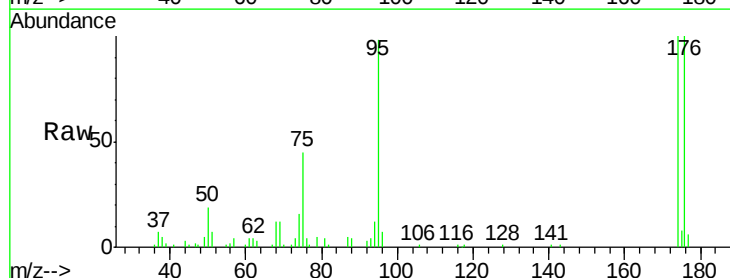
Tgt Ion: 95 Resp: 90529

Ion Ratio Lower Upper

95 100

174 102.5 0.0 169.4

176 102.4 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)

Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)

Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

11.93

80000

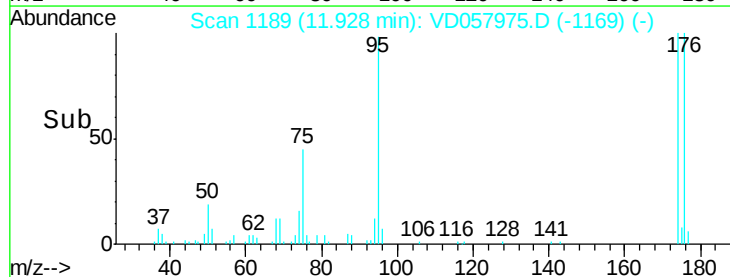
60000

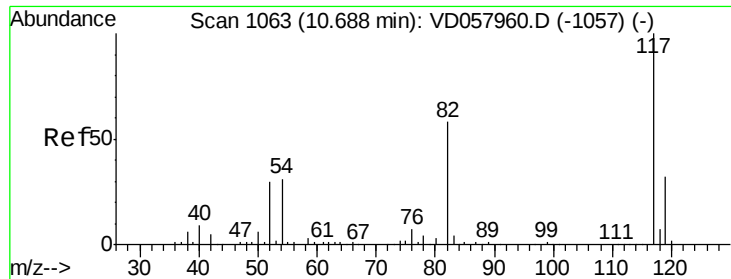
40000

20000

0

Time-->

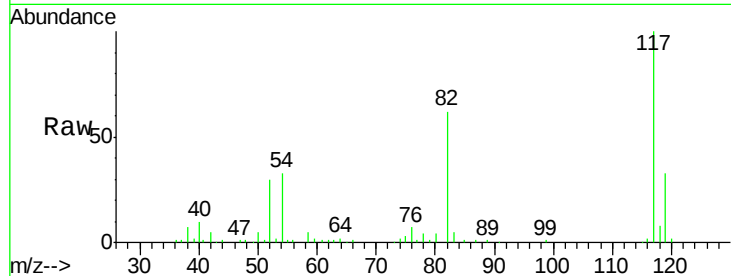




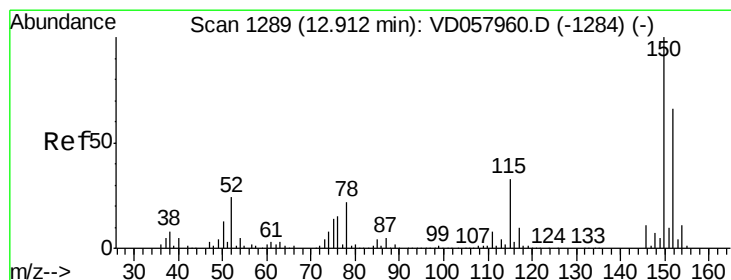
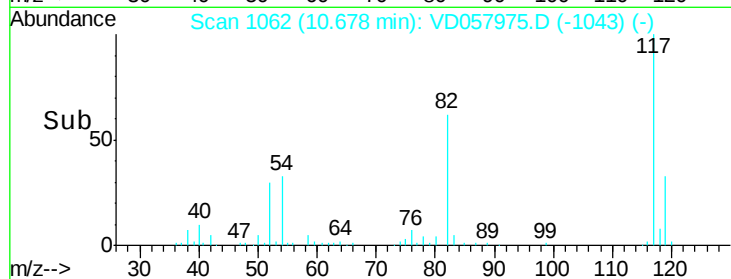
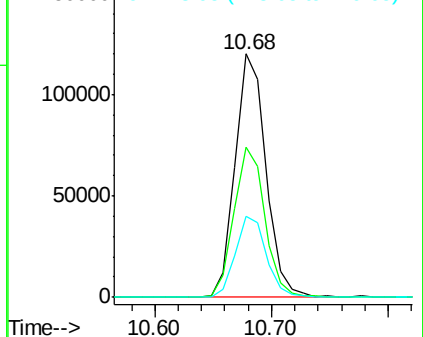
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057975.D
Acq: 7 Jun 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
B-1(7.0)

Tgt Ion:117 Resp: 219612
Ion Ratio Lower Upper
117 100
82 61.6 46.8 70.2
119 33.1 25.8 38.6

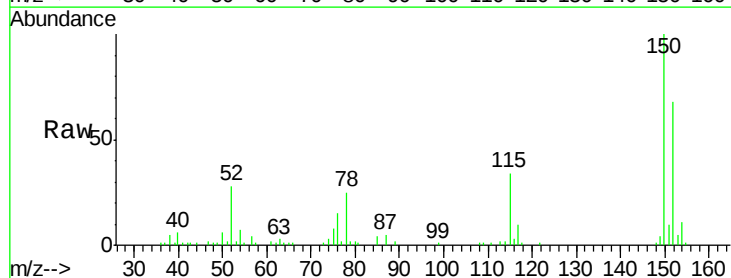


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

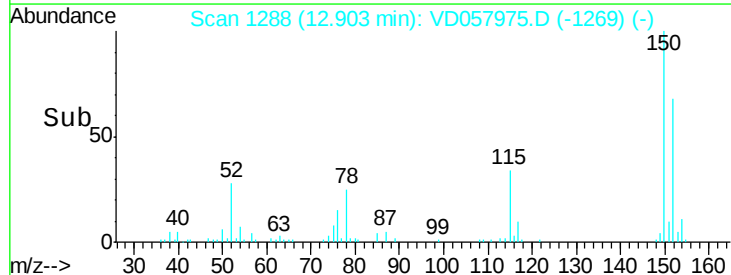
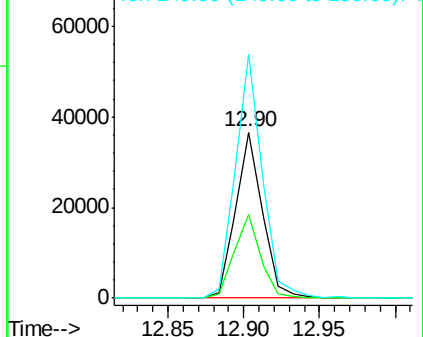


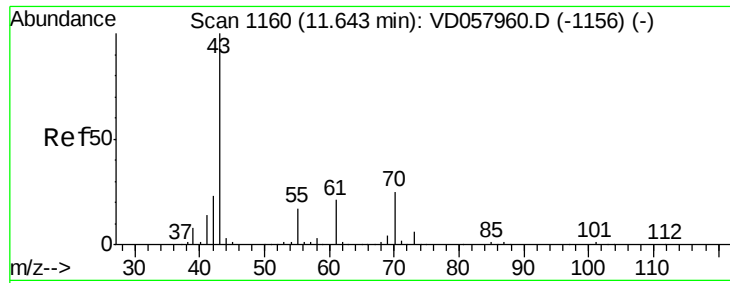
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057975.D
Acq: 7 Jun 2018 16:50

Tgt Ion:152 Resp: 44895
Ion Ratio Lower Upper
152 100
115 50.3 25.6 76.6
150 146.8 0.0 306.8



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

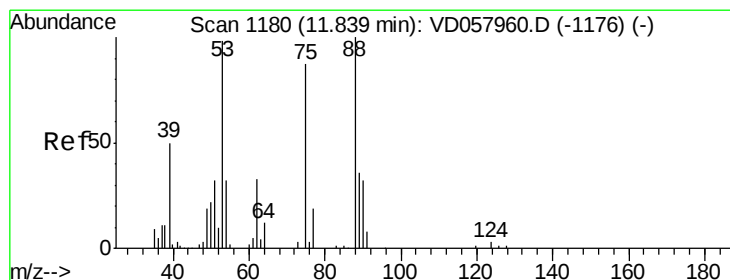
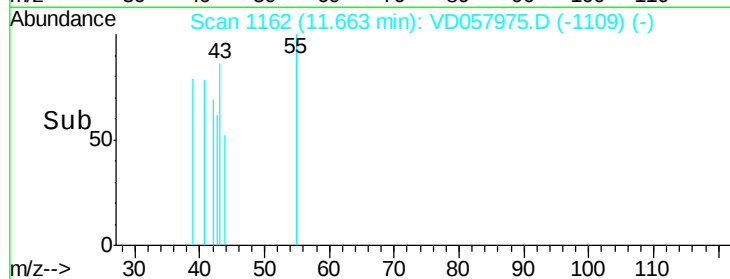
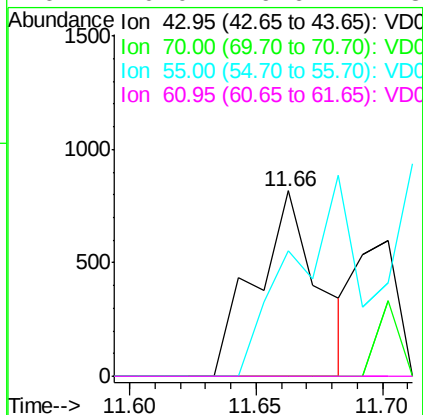
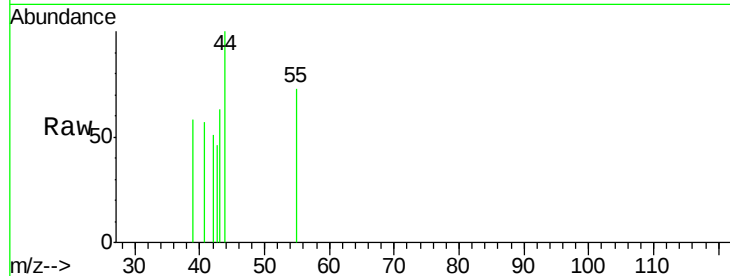




#74
N-amyI acetate
Concen: 1.221 ug/l
RT: 11.66 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VD057975.D
Acq: 7 Jun 2018 16:50

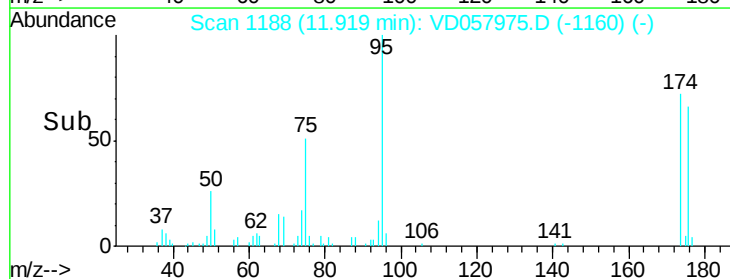
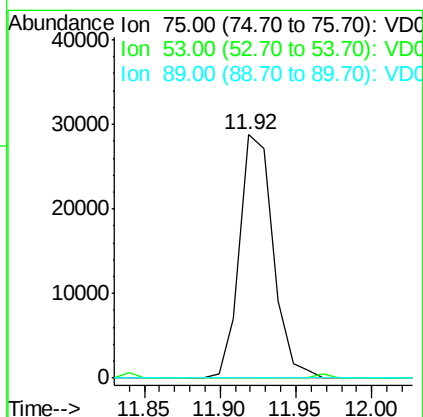
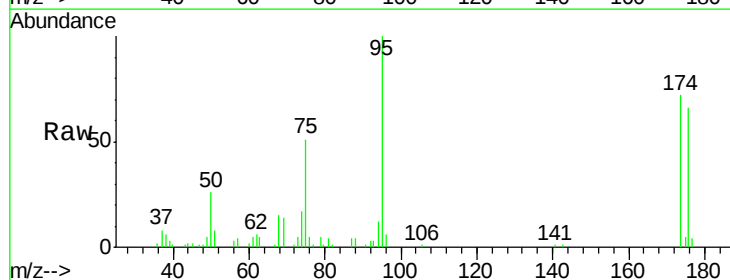
Instrument :
MSVOA_D
ClientSampleId :
B-1(7.0)

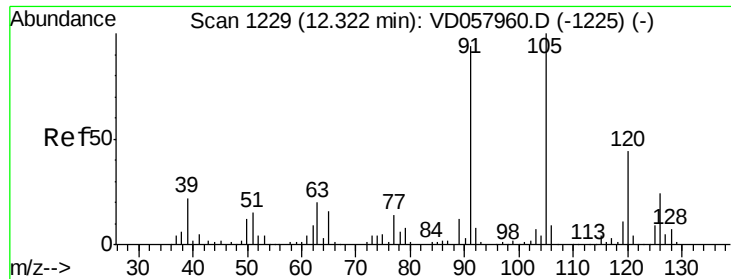
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
70 0.0 20.3 30.5#
55 67.5 13.9 20.9#
61 0.0 16.6 24.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 265.997 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD057975.D
Acq: 7 Jun 2018 16:50

Tgt Ion: 75 Resp: 44431
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#

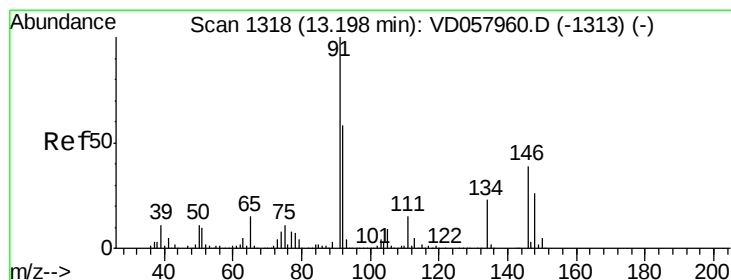
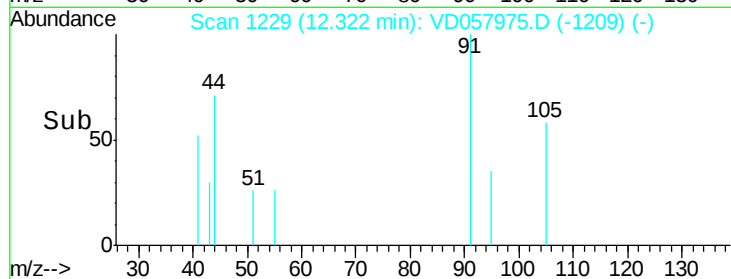
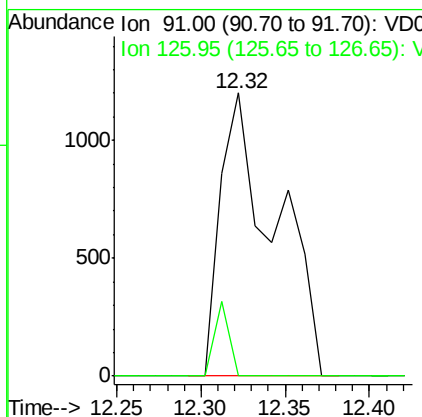
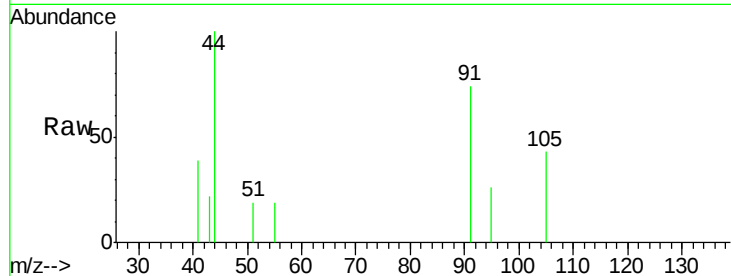




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

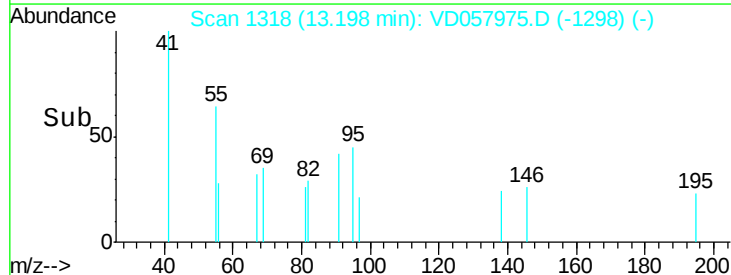
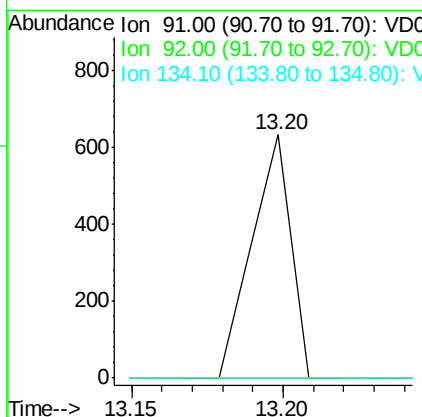
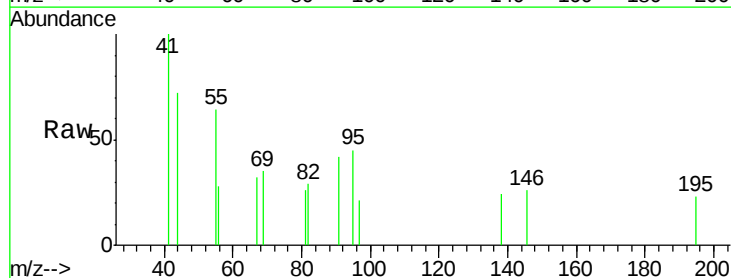
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(7.0)

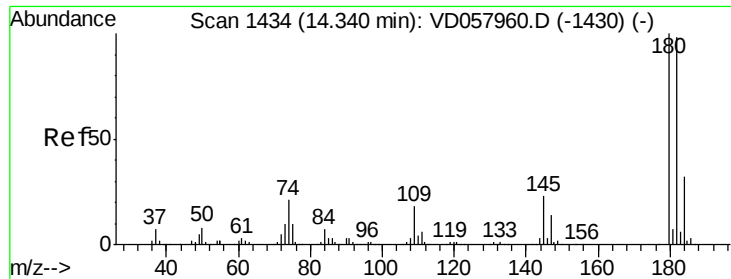
Tgt Ion: 91 Resp: 2701
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

Tgt Ion: 91 Resp: 563
 Ion Ratio Lower Upper
 91 100
 92 0.0 29.2 87.6#
 134 0.0 11.3 33.9#

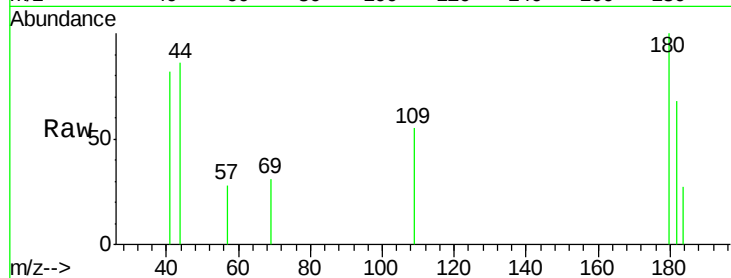




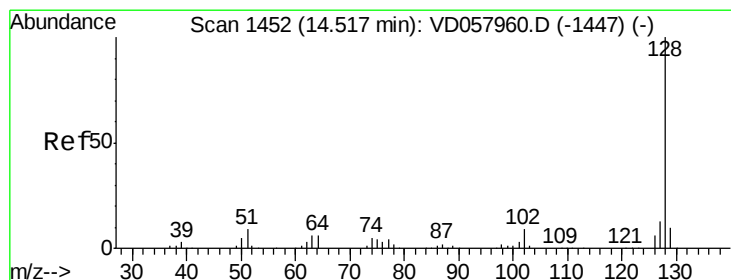
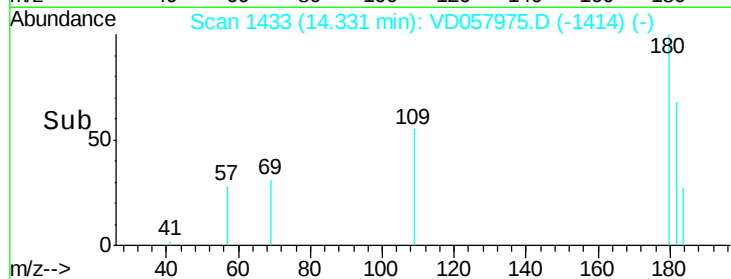
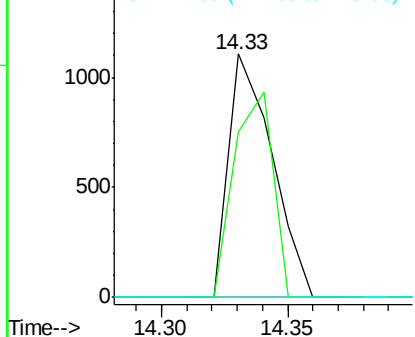
#93
 1,2,4-Trichlorobenzene
 Concen: 1.180 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(7.0)

Tgt Ion:180 Resp: 1326
 Ion Ratio Lower Upper
 180 100
 182 68.1 49.0 147.2
 145 0.0 11.8 35.3#

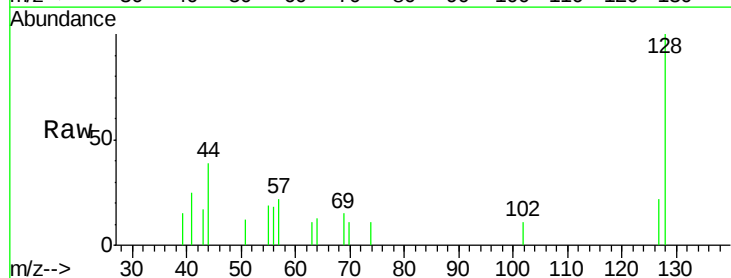


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 2.513 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD057975.D
 Acq: 7 Jun 2018 16:50

Tgt Ion:128 Resp: 3642
 Ion Ratio Lower Upper
 128 100
 127 21.8 10.2 15.2#
 129 0.0 8.2 12.2#



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

