

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058159.D
 Acq On : 15 Jun 2018 18:31
 Operator : VA/AP
 Sample : J3523-06RE
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:18:43 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	614338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	831982	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	607625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	240423	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	440323	71.69	ug/l	0.00
Spiked Amount			Recovery	=	143.38%	
35) Dibromofluoromethane	5.55	113	33542	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
50) Toluene-d8	8.70	98	929165	60.71	ug/l	0.00
Spiked Amount			Recovery	=	121.42%	
62) 4-Bromofluorobenzene	11.93	95	337446	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	

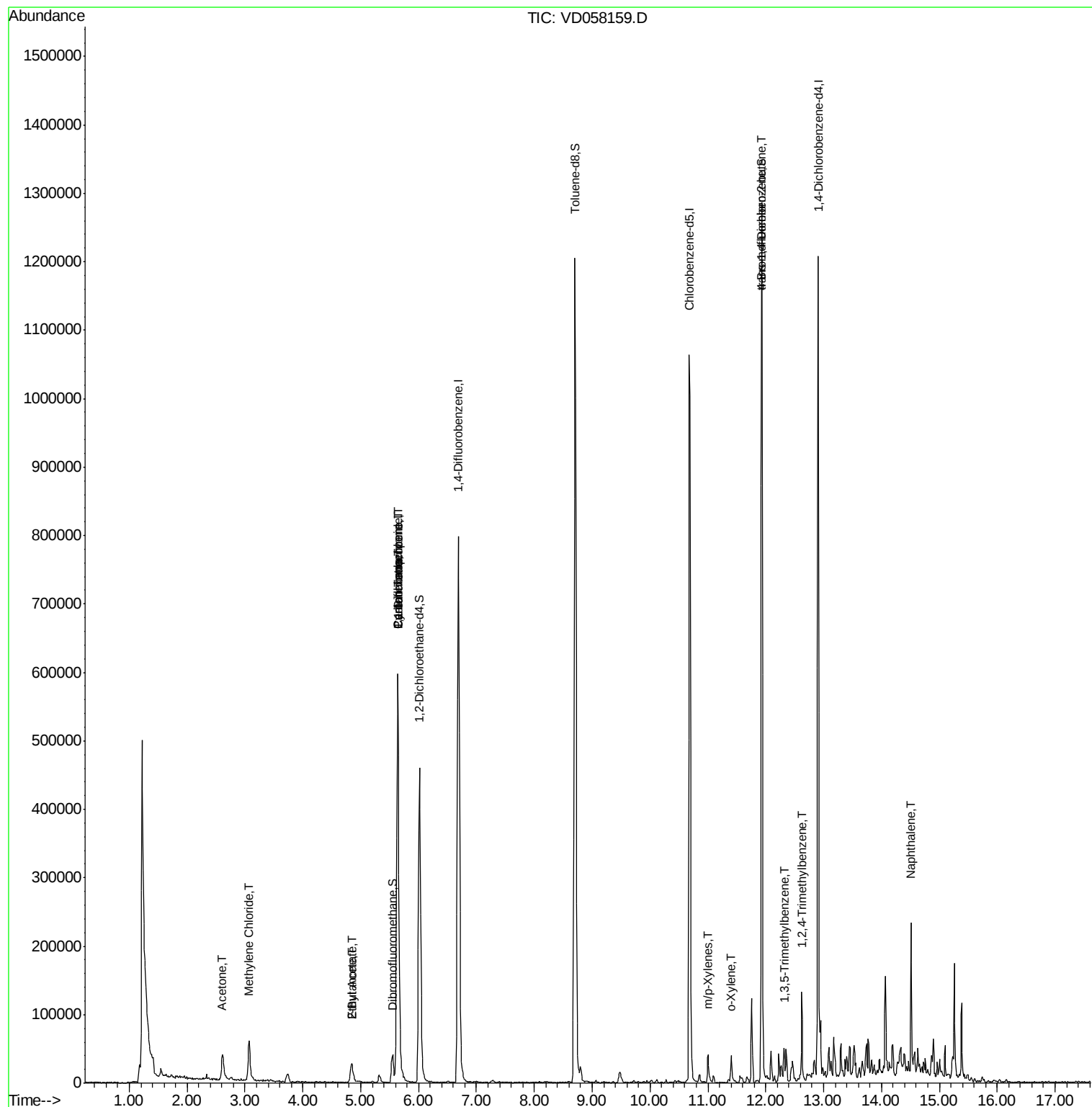
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	83789	94.690	ug/l #	88
20) Methylene Chloride	3.07	84	27581	6.193	ug/l	97
25) 2-Butanone	4.84	43	21629	10.755	ug/l	98
31) Cyclohexane	5.63	56	14768	1.383	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	53380	5.824	ug/l #	54
37) Ethyl Acetate	4.84	43	21629	4.324	ug/l #	72
38) Carbon Tetrachloride	5.64	117	52059	5.763	ug/l #	16
68) m/p-Xylenes	11.01	106	12846	1.773	ug/l	86
69) o-Xylene	11.40	106	8146	1.133	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	20074	1.616	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	164253	183.623	ug/l #	6
82) 4-Chlorotoluene	12.31	91	3346	Below Cal	#	50
84) 1,2,4-Trimethylbenzene	12.62	105	53009	3.970	ug/l	90
89) n-Butylbenzene	13.17	91	8497	Below Cal	#	1
95) Naphthalene	14.51	128	122425	15.772	ug/l	99

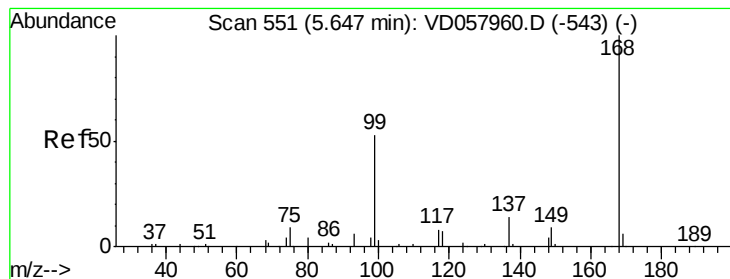
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058159.D
Acq On : 15 Jun 2018 18:31
Operator : VA/AP
Sample : J3523-06RE
Misc : 5.37g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 23:18:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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: VD058159.D

Acq: 15 Jun 2018 18:31

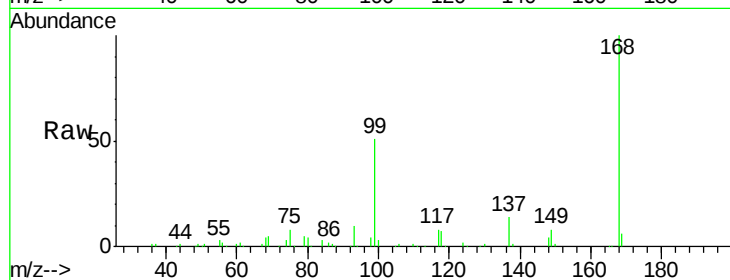
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 614338

Ion Ratio Lower Upper

168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

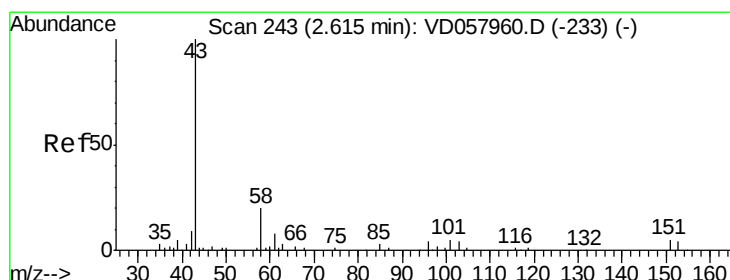
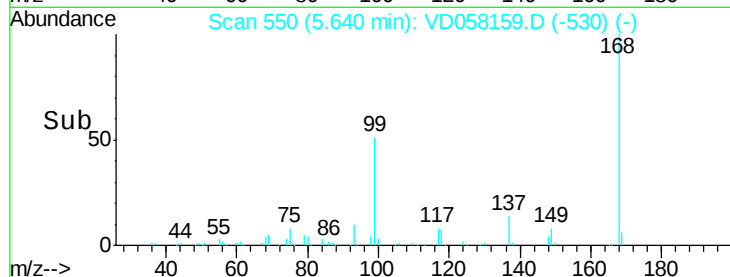
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 94.690 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058159.D

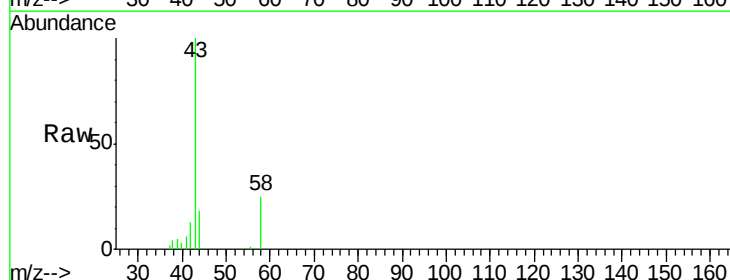
Acq: 15 Jun 2018 18:31

Tgt Ion: 43 Resp: 83789

Ion Ratio Lower Upper

43 100

58 25.3 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

25000

20000

15000

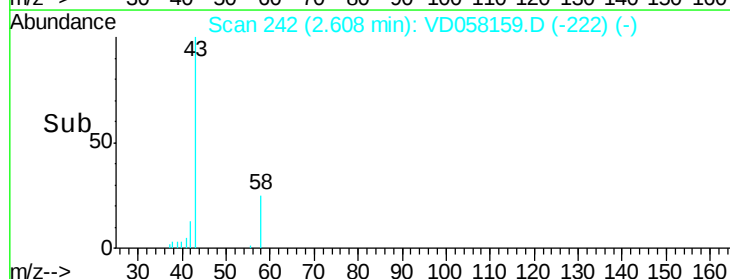
10000

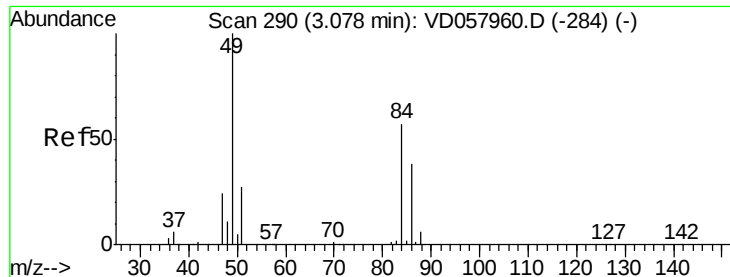
5000

0

Time-->

2.50 2.60 2.70 2.80

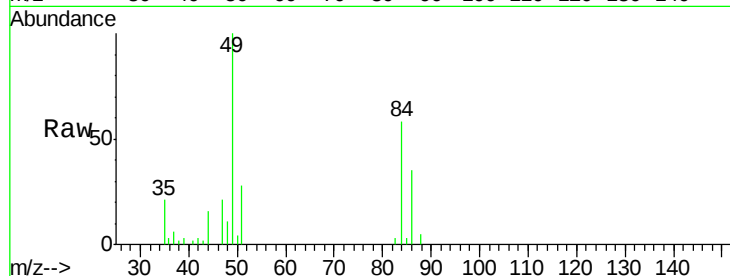




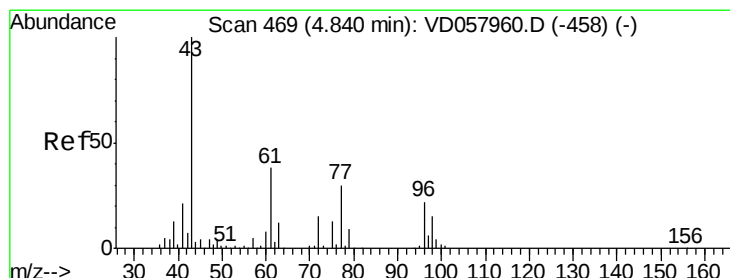
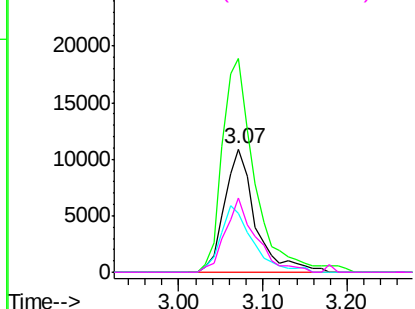
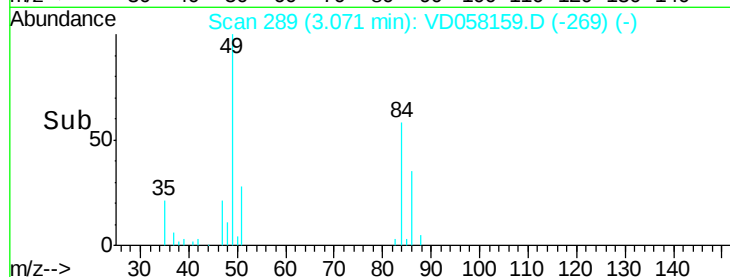
#20
Methvlene Chloride
Concen: 6.193 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 27581
Ion Ratio Lower Upper
84 100
49 173.5 141.4 212.0
51 47.8 38.3 57.5
86 60.7 52.9 79.3

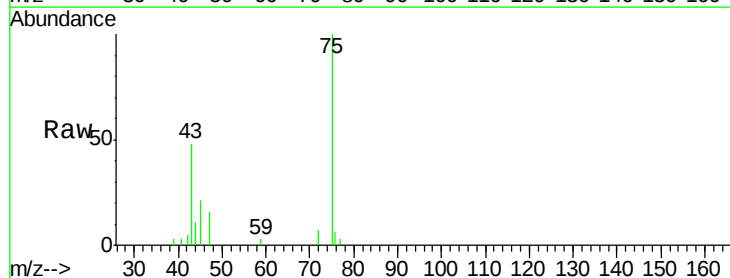


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

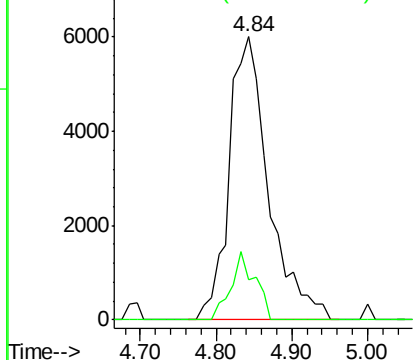
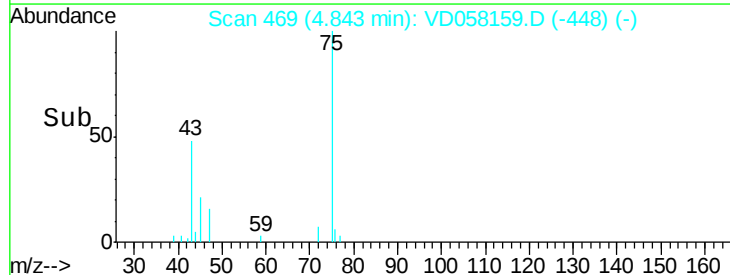


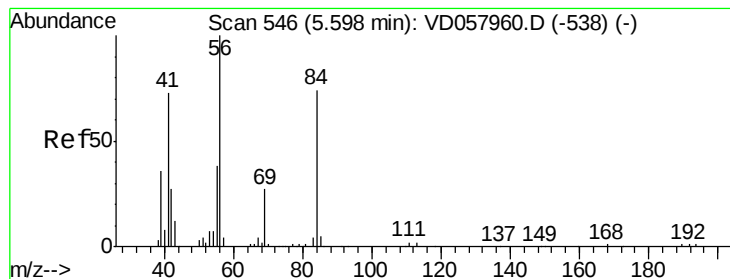
#25
2-Butanone
Concen: 10.755 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Tgt Ion: 43 Resp: 21629
Ion Ratio Lower Upper
43 100
72 14.2 12.0 18.0



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





#31

Cyclohexane

Concen: 1.383 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

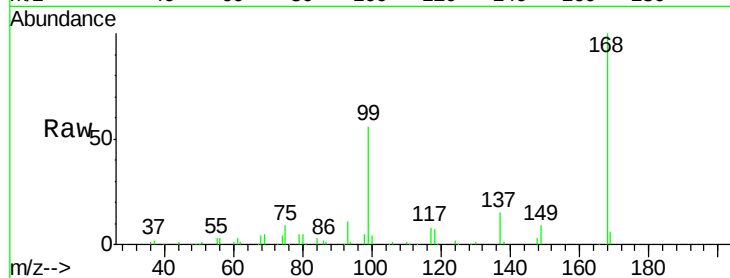
Tot Ion: 56 Resp: 14768

Ion Ratio Lower Upper

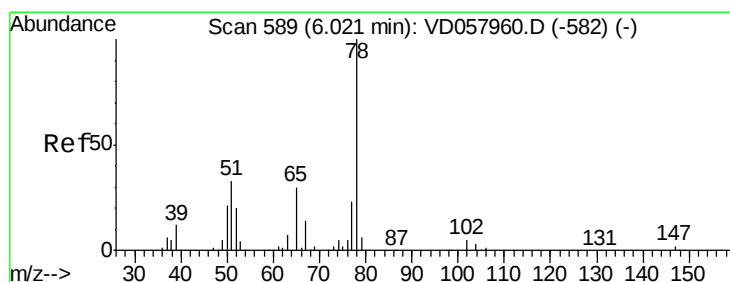
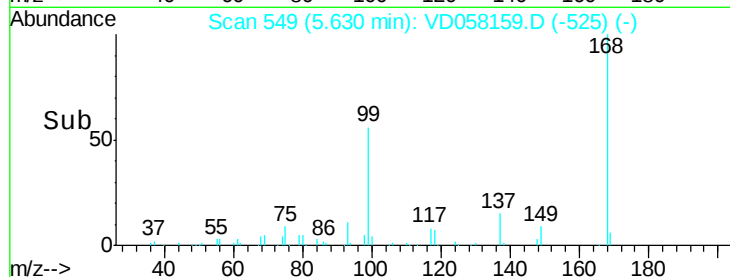
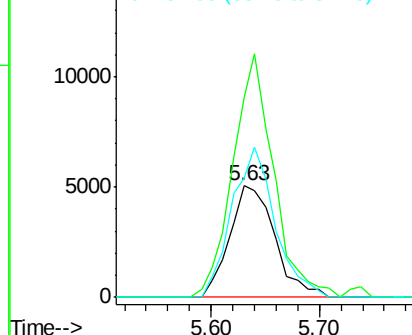
56 100

69 179.1 21.5 32.3#

84 107.1 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: VD058159.D

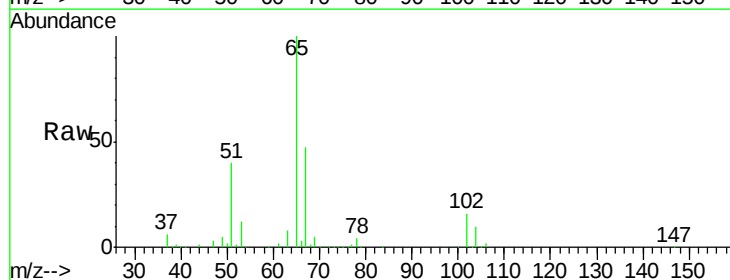
Acq: 15 Jun 2018 18:31

Tgt Ion: 65 Resp: 440323

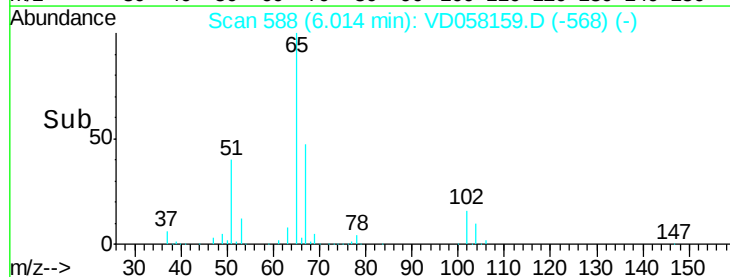
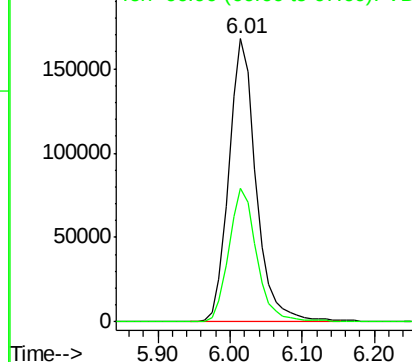
Ion Ratio Lower Upper

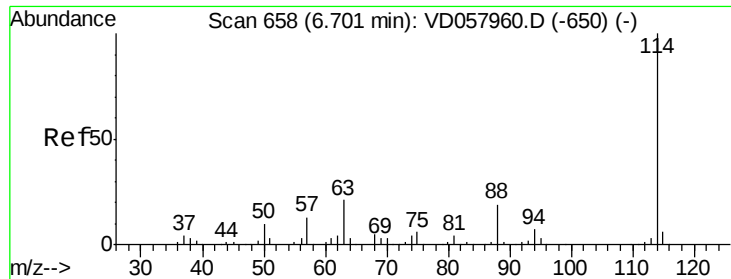
65 100

67 47.4 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: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

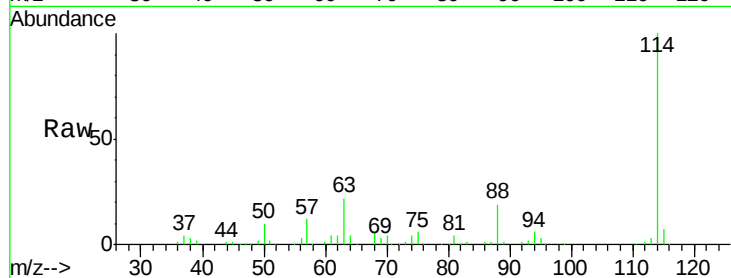
Tot Ion:114 Resp: 831982

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.8

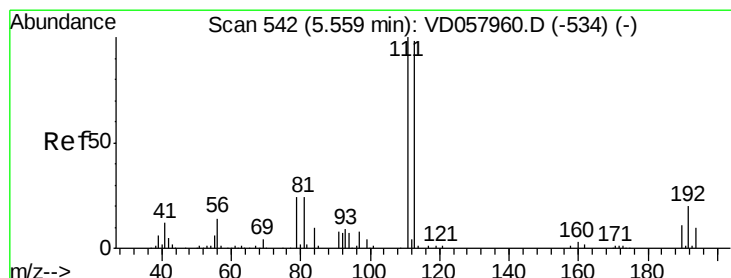
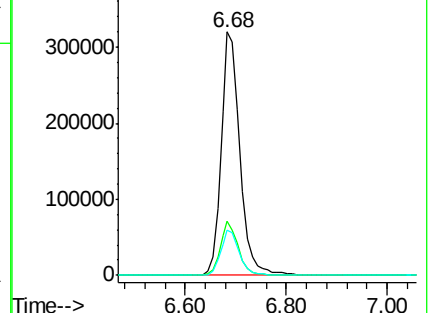
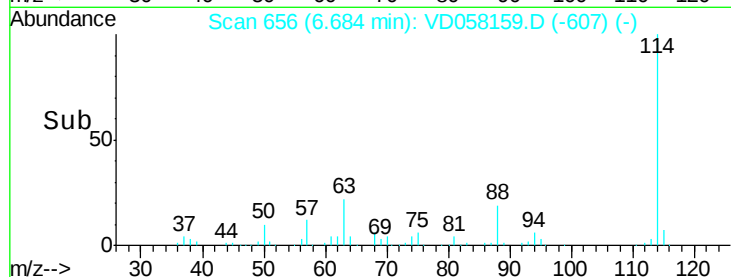
88 18.6 0.0 37.8



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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

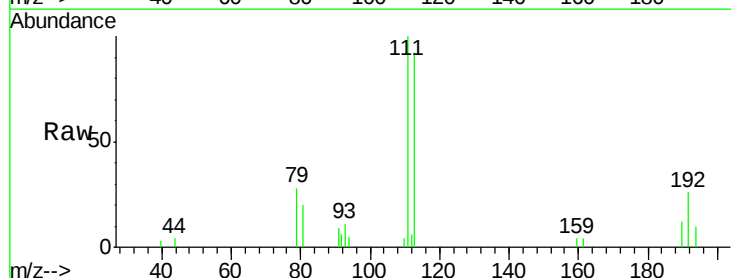
Tgt Ion:113 Resp: 33542

Ion Ratio Lower Upper

113 100

111 108.3 81.5 122.3

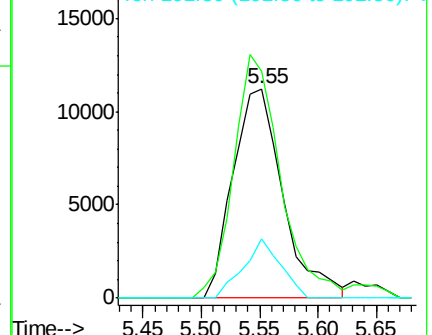
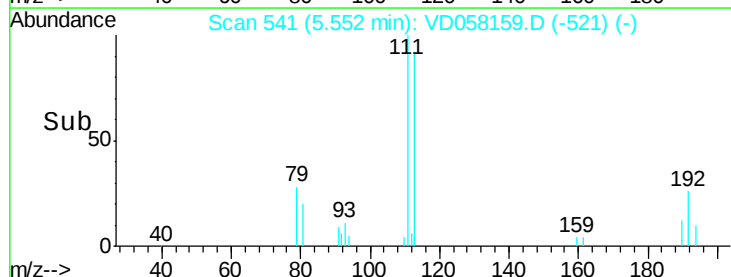
192 28.1 16.4 24.6#

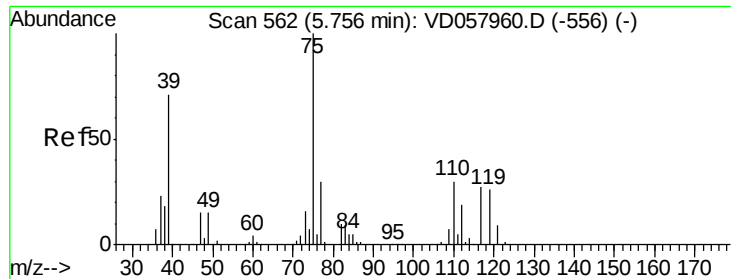


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

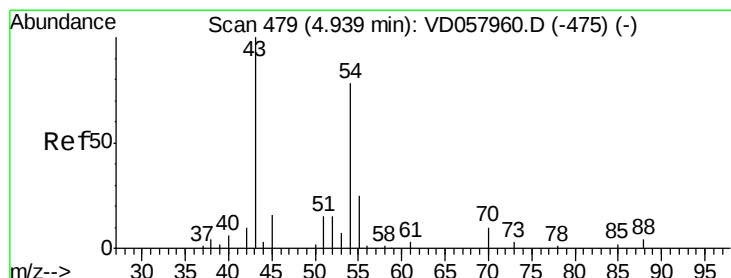
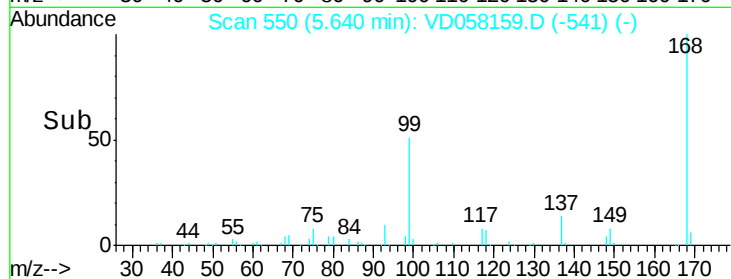
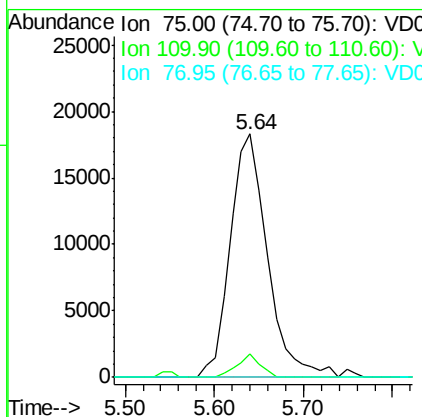
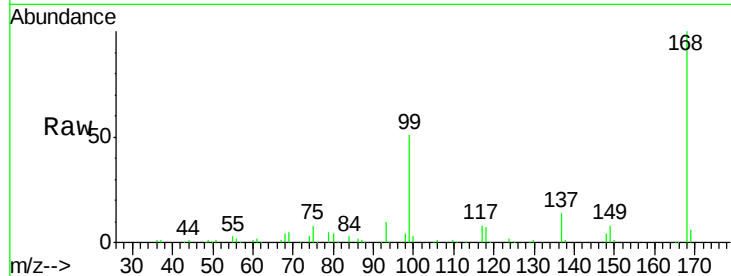




#36
 1,1-Dichloropropene
 Concen: 5.824 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.12 min
 Lab File: VD058159.D
 Acq: 15 Jun 2018 18:31

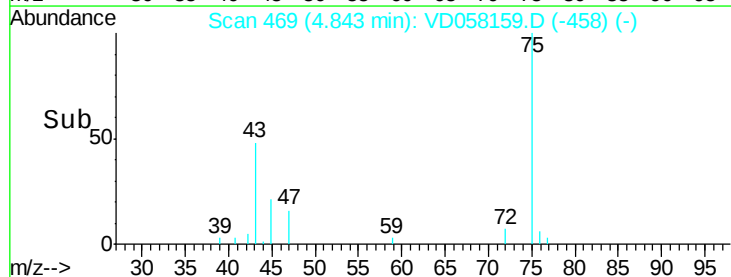
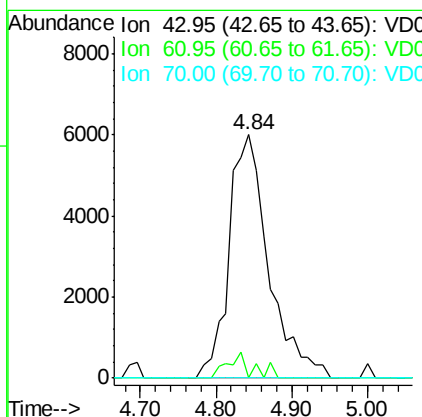
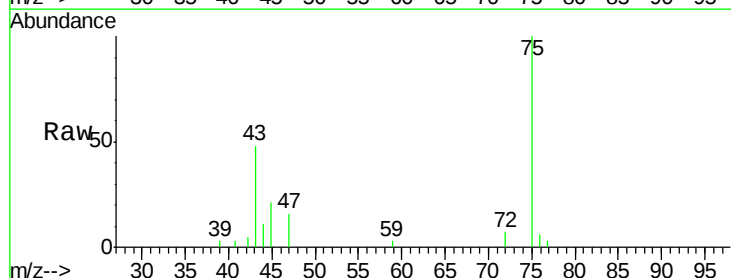
Instrument :
 MSVOA_D
 ClientSampleID :

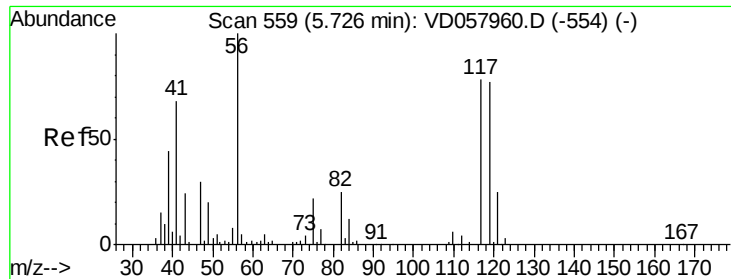
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	14.8	44.3#
77	0.0	23.9	35.9#



#37
 Ethyl Acetate
 Concen: 4.324 ug/l
 RT: 4.84 min Scan# 469
 Delta R.T. -0.10 min
 Lab File: VD058159.D
 Acq: 15 Jun 2018 18:31

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





#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :
MSVOA_D
ClientSampled :

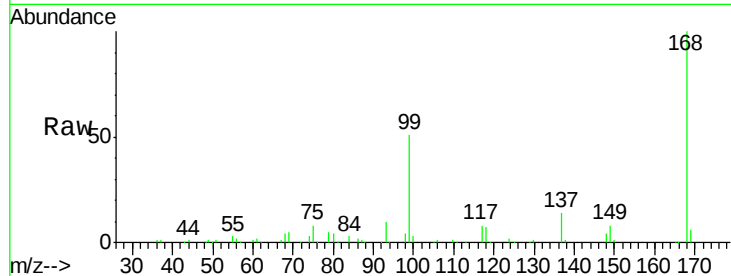
Tot Ion:117 Resp: 52059

Ion Ratio Lower Upper

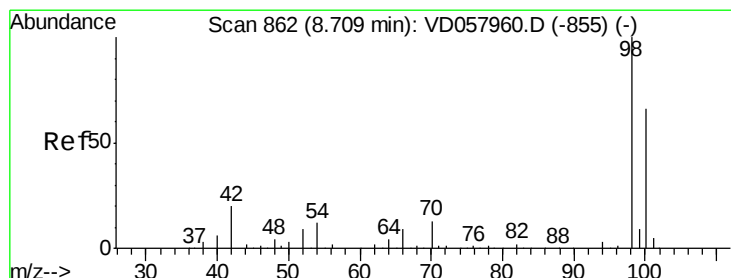
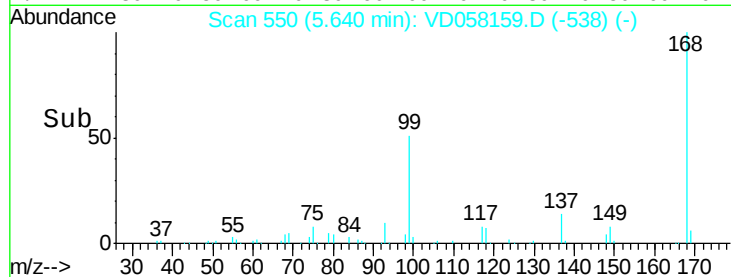
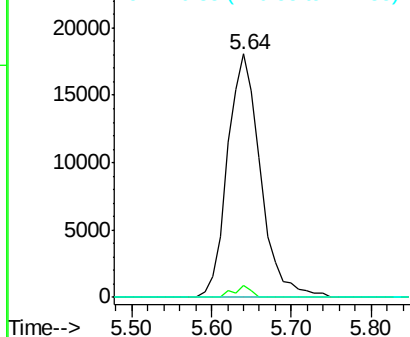
117 100

119 5.1 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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058159.D

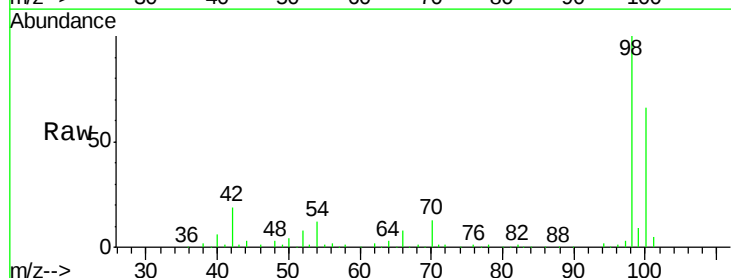
Acq: 15 Jun 2018 18:31

Tgt Ion: 98 Resp: 929165

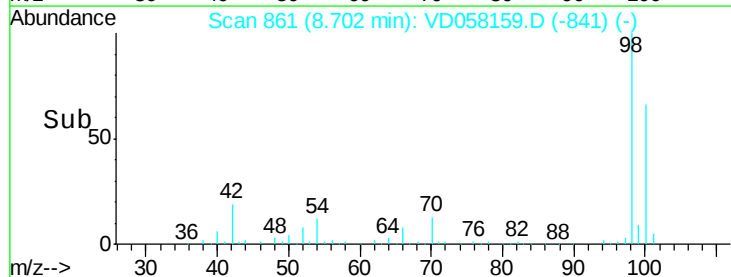
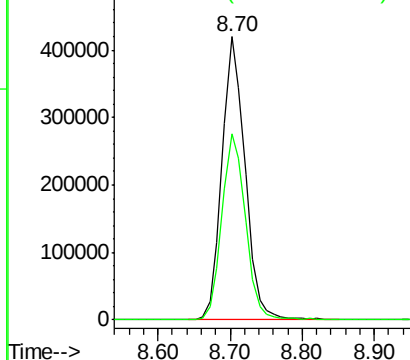
Ion Ratio Lower Upper

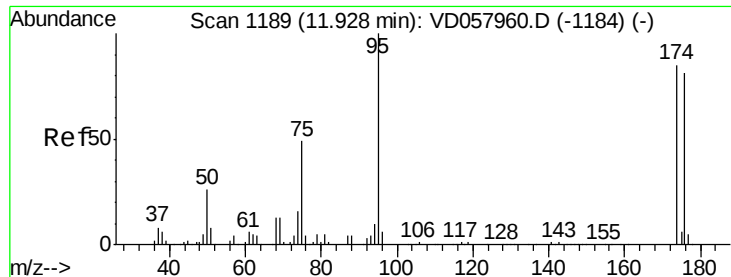
98 100

100 65.9 53.4 80.0



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: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

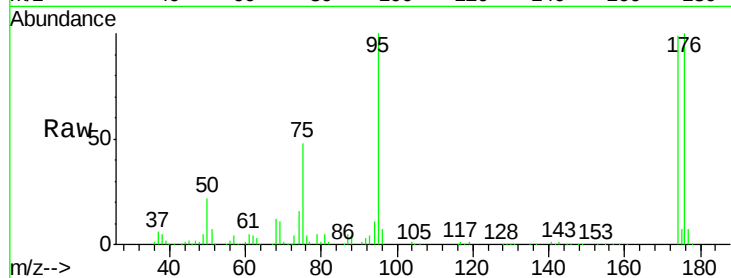
Tot Ion: 95 Resp: 337446

Ion Ratio Lower Upper

95 100

174 98.5 0.0 169.4

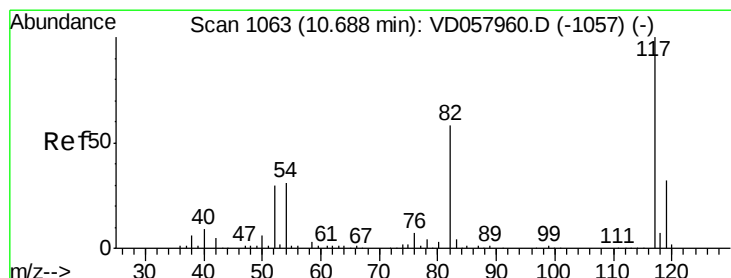
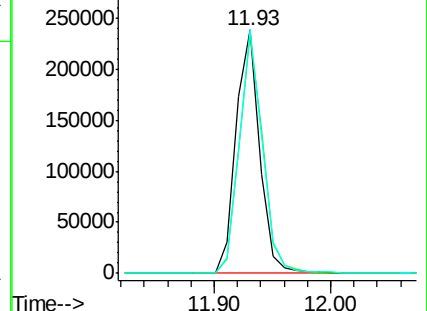
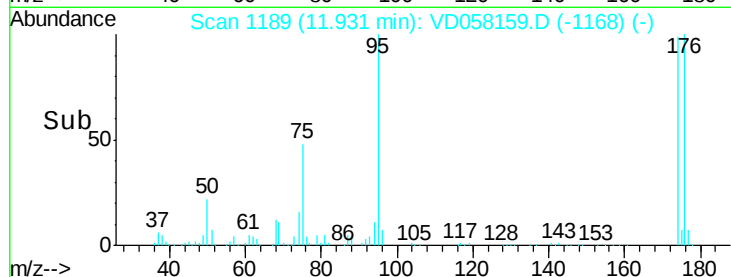
176 99.9 0.0 162.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

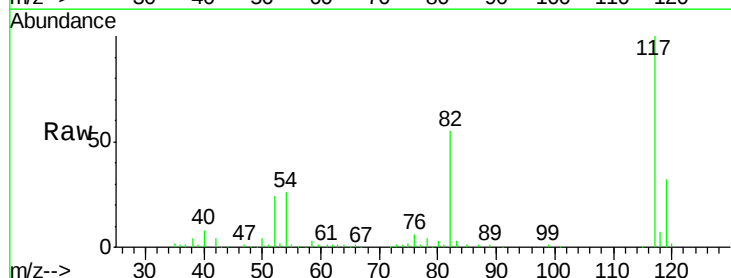
Tgt Ion: 117 Resp: 607625

Ion Ratio Lower Upper

117 100

82 55.1 46.8 70.2

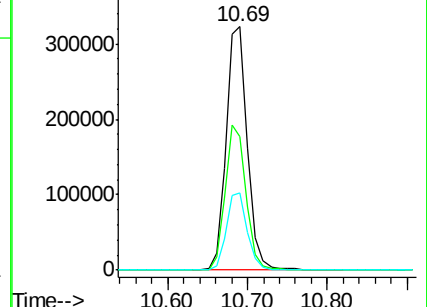
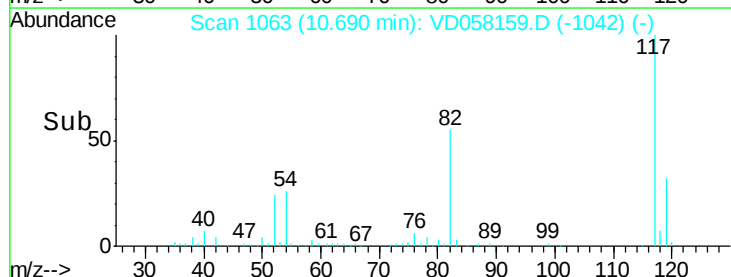
119 31.7 25.8 38.6

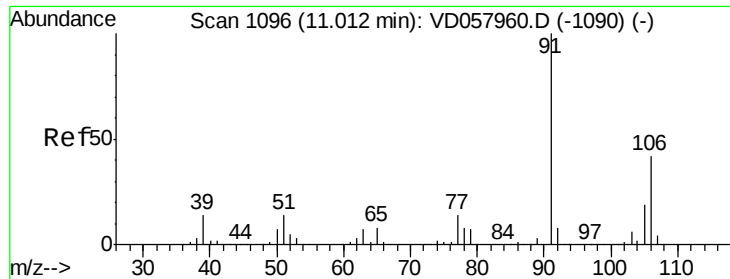


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

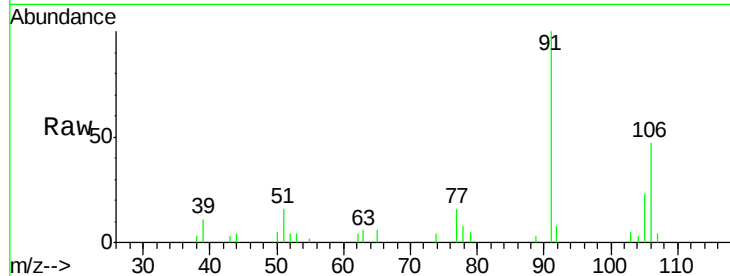




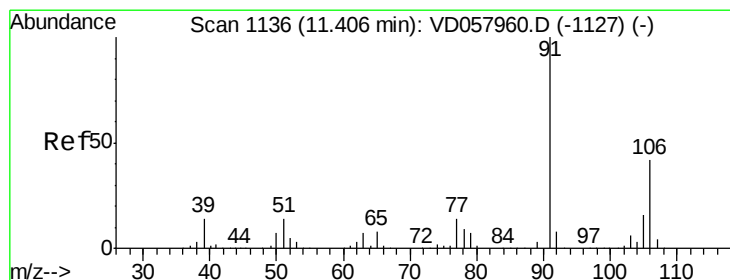
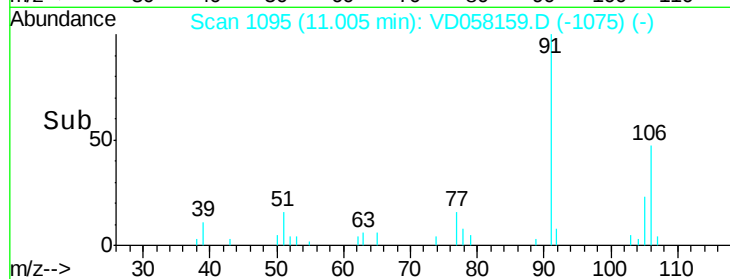
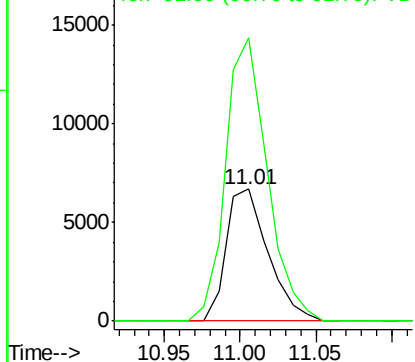
#68
m/p-Xylenes
Concen: 1.773 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 12846
Ion Ratio Lower Upper
106 100
91 214.8 190.4 285.6

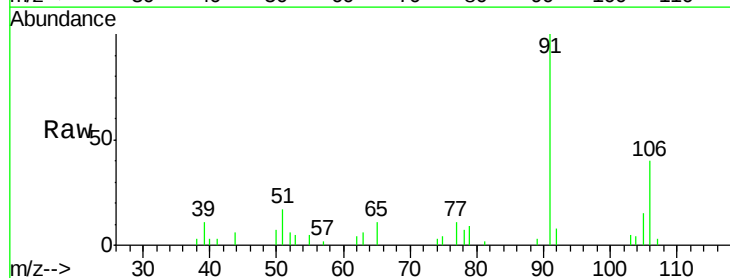


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

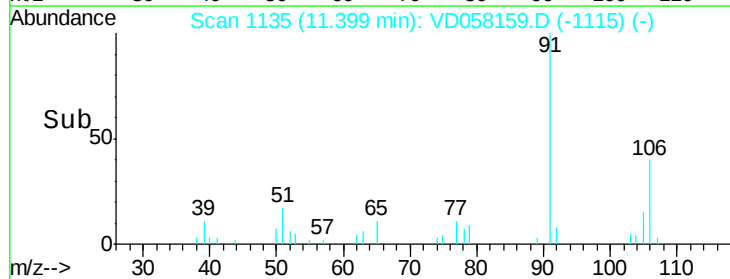
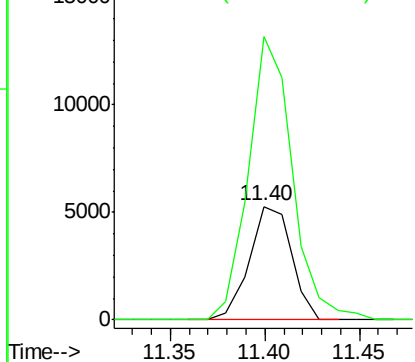


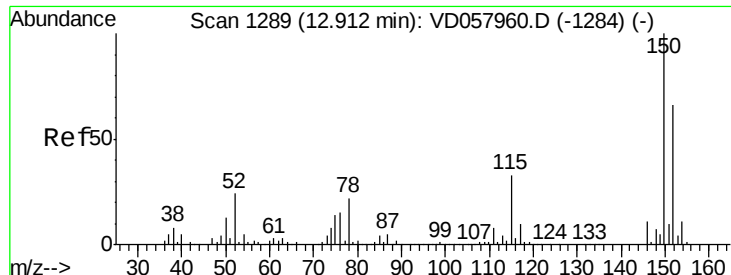
#69
o-Xylene
Concen: 1.133 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Tgt Ion:106 Resp: 8146
Ion Ratio Lower Upper
106 100
91 249.6 120.6 361.7



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampled :

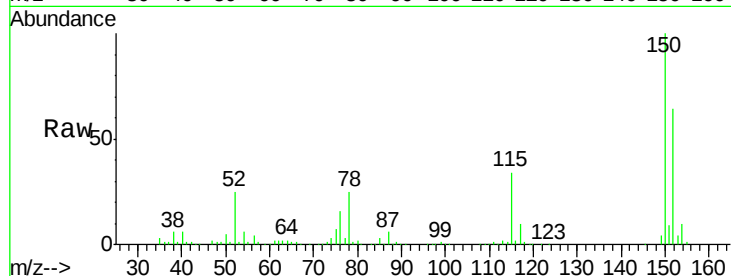
Tot Ion:152 Resp: 240423

Ion Ratio Lower Upper

152 100

115 53.1 25.6 76.6

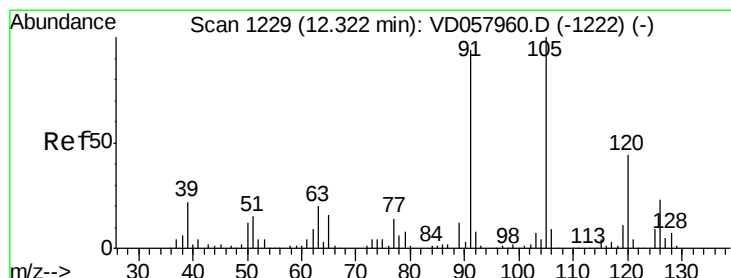
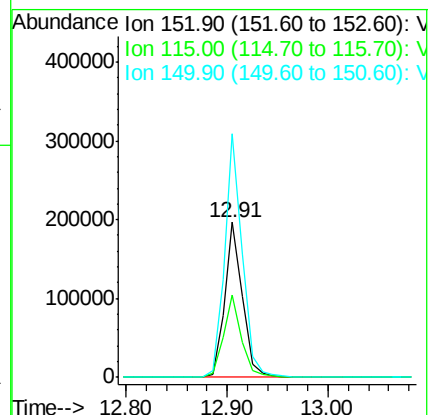
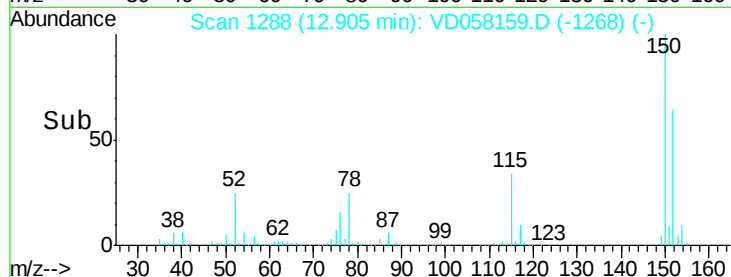
150 157.1 0.0 306.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.616 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058159.D

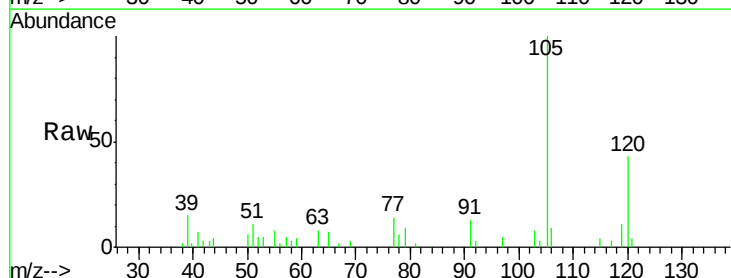
Acq: 15 Jun 2018 18:31

Tgt Ion:105 Resp: 20074

Ion Ratio Lower Upper

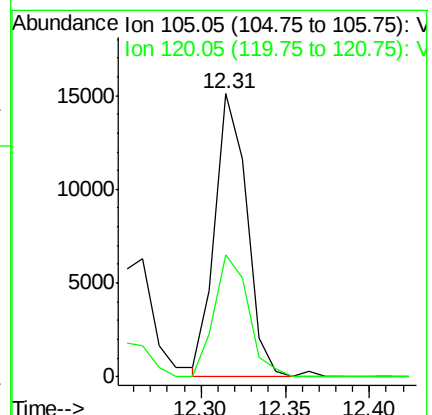
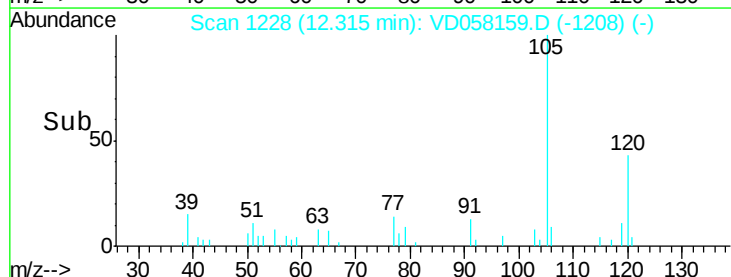
105 100

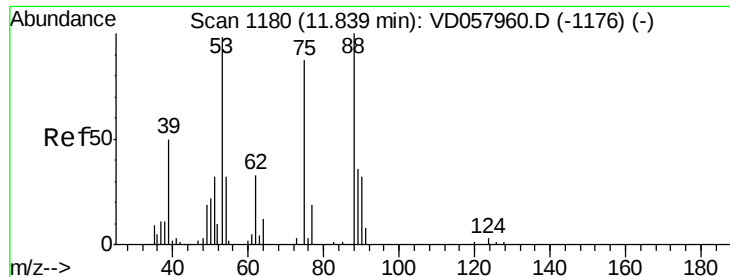
120 43.2 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

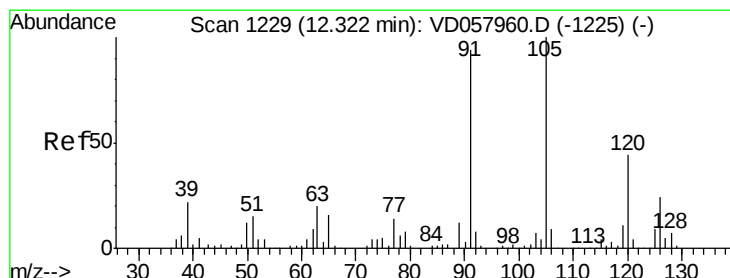
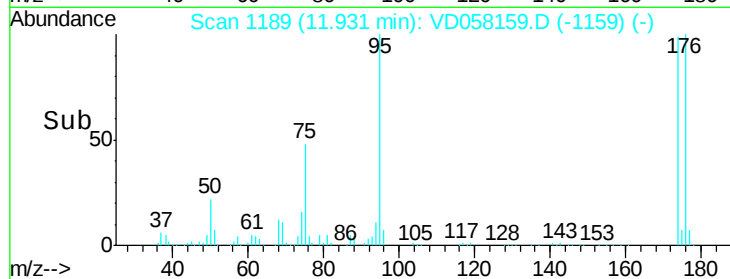
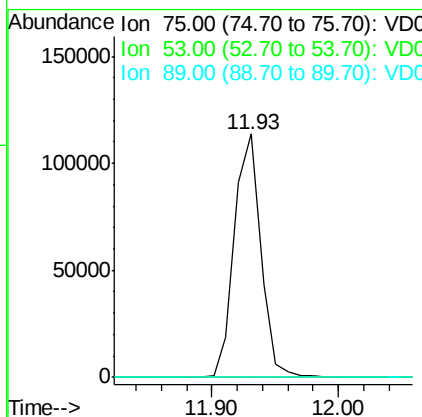
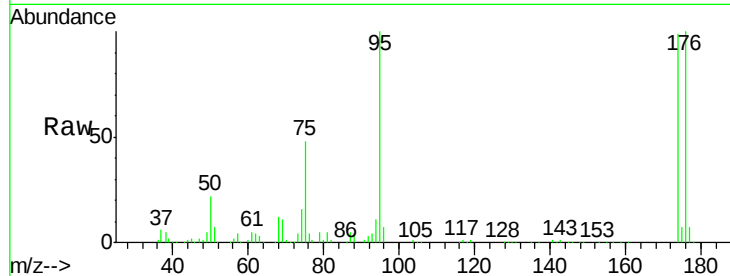




#81
trans-1,4-Dichloro-2-butene
Concen: 183.623 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

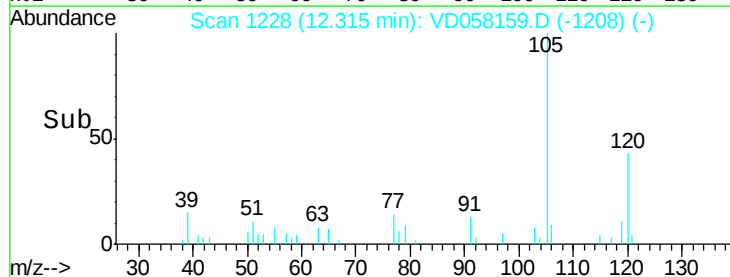
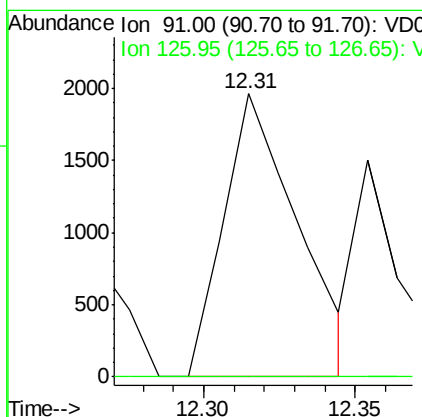
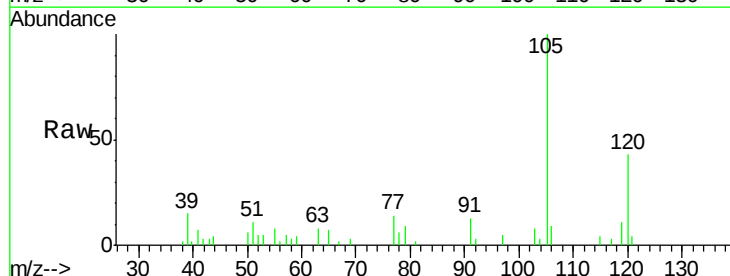
Instrument :
MSVOA_D
ClientSampleId :

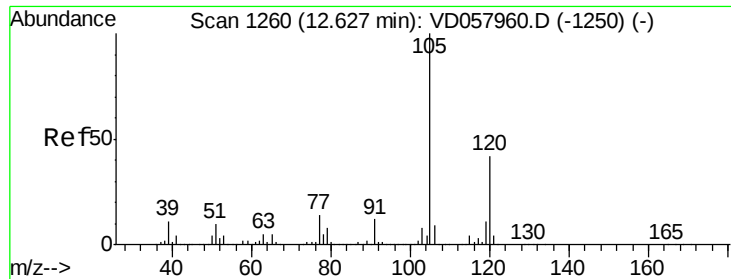
Tot Ion: 75 Resp: 164253
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Tgt Ion: 91 Resp: 3346
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#





#84

1,2,4-Trimethylbenzene

Concen: 3.970 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

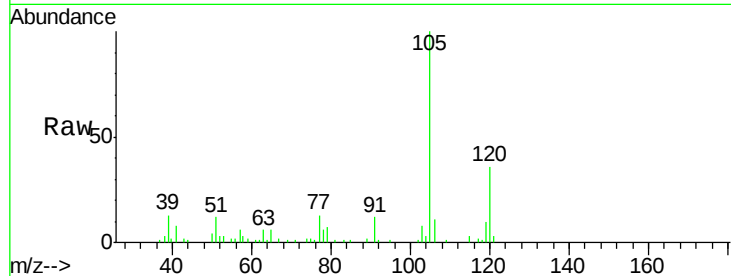
ClientSampleId :

Tot Ion:105 Resp: 53009

Ion Ratio Lower Upper

105 100

120 35.8 21.2 63.6

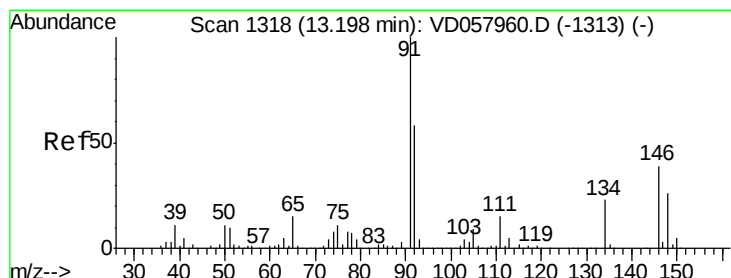
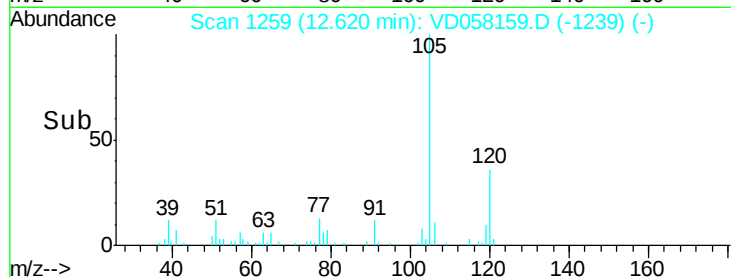


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.62

Time-->



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 1315

Delta R.T. -0.03 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

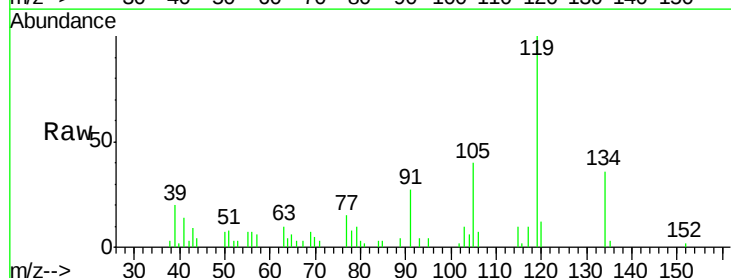
Tgt Ion: 91 Resp: 8497

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 135.4 11.3 33.9#



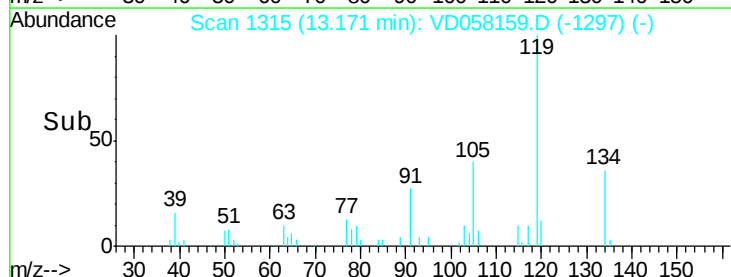
Abundance Ion 91.00 (90.70 to 91.70): VDC

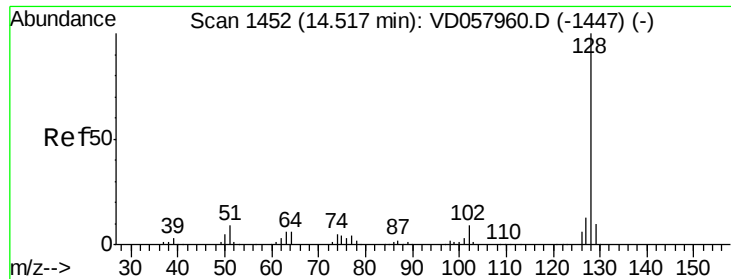
Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

13.17

Time-->

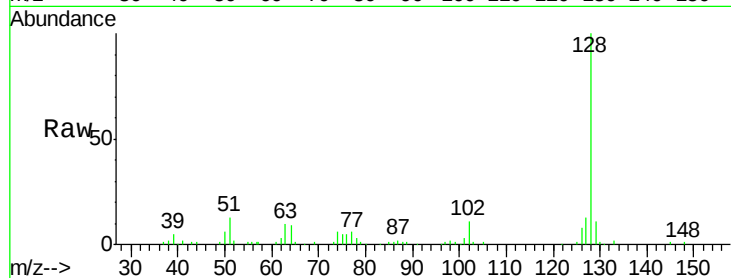




#95
Naphthalene
Concen: 15.772 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 122425
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.0 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

