

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
 Data File : VD059814.D
 Acq On : 16 Aug 2018 16:50
 Operator : VA/AP
 Sample : J4460-09
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-FL-009

Quant Time: Aug 17 01:10:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	289490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	365589	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	286592	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	147771	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	174271	46.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	5.52	113	155225	48.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.69	98	318322	42.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	84.36%	
62) 4-Bromofluorobenzene	11.91	95	137371	40.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	81.28%	

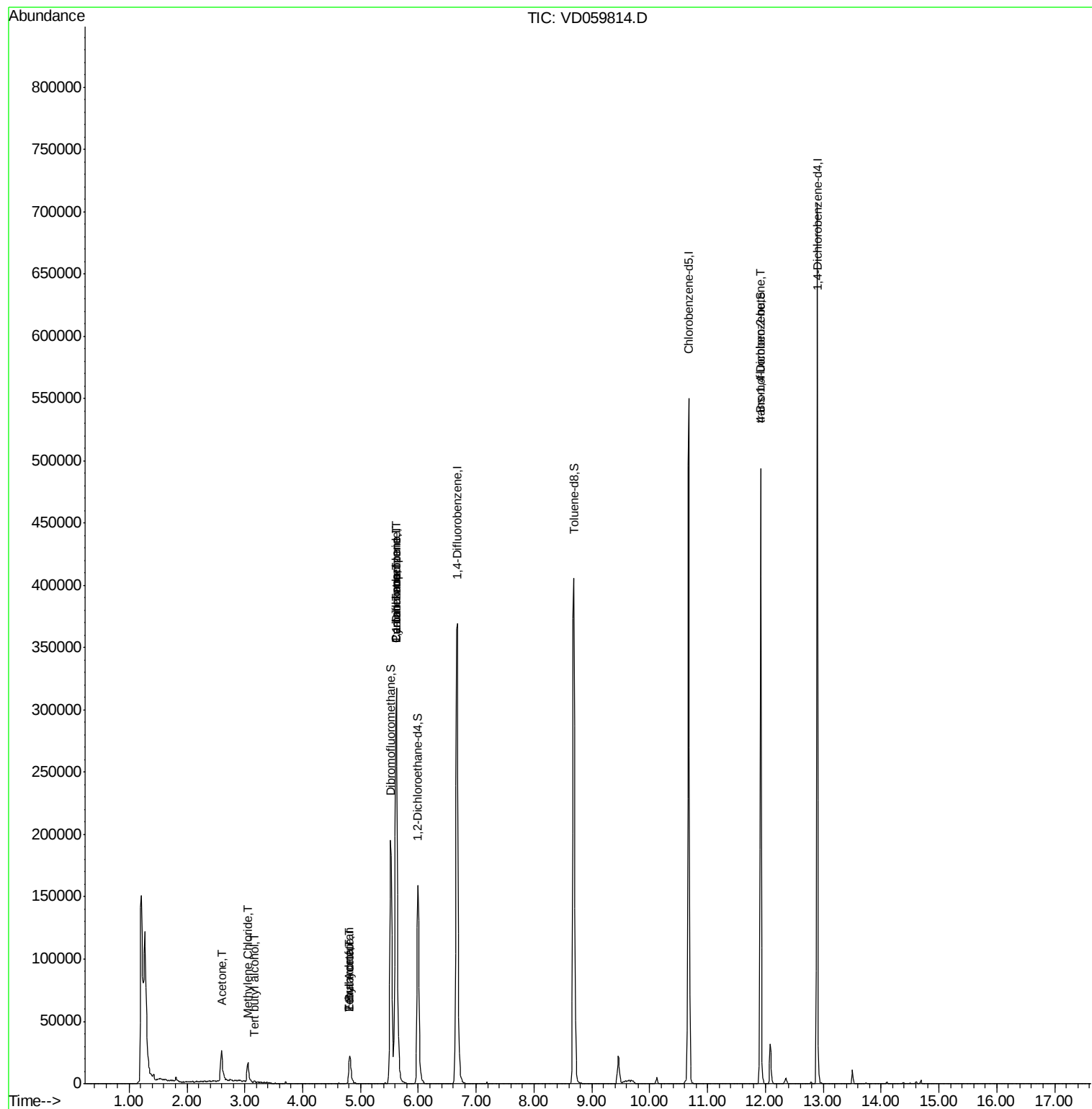
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.17	59	412	3.131	ug/l #	74
16) Acetone	2.59	43	47252	80.498	ug/l	92
20) Methylene Chloride	3.04	84	7974	2.045	ug/l	90
25) 2-Butanone	4.81	43	8499	9.460	ug/l	99
29) Tetrahydrofuran	4.81	42	701	1.829	ug/l #	1
31) Cyclohexane	5.61	56	7160	1.895	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25117	6.696	ug/l #	51
37) Ethyl Acetate	4.81	43	8499	4.530	ug/l #	72
38) Carbon Tetrachloride	5.62	117	29708	6.565	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.91	75	72210	147.211	ug/l #	1

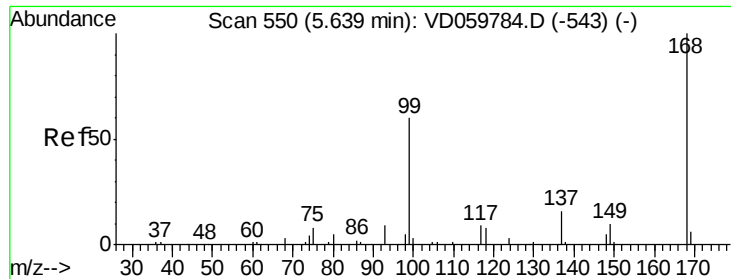
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081618\
Data File : VD059814.D
Acq On : 16 Aug 2018 16:50
Operator : VA/AP
Sample : J4460-09
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-009

Quant Time: Aug 17 01:10:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

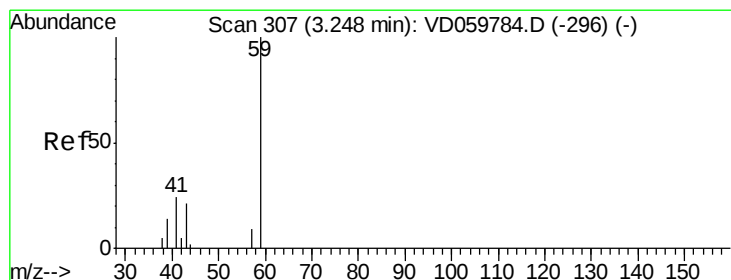
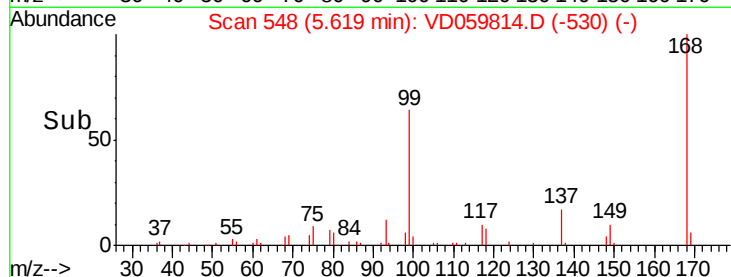
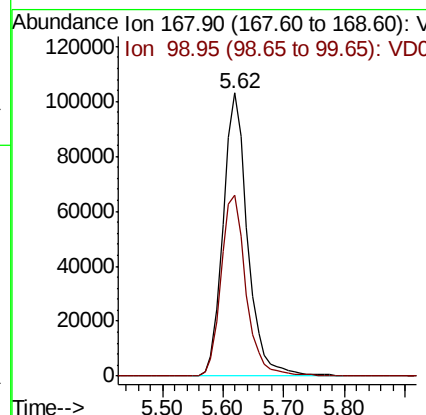
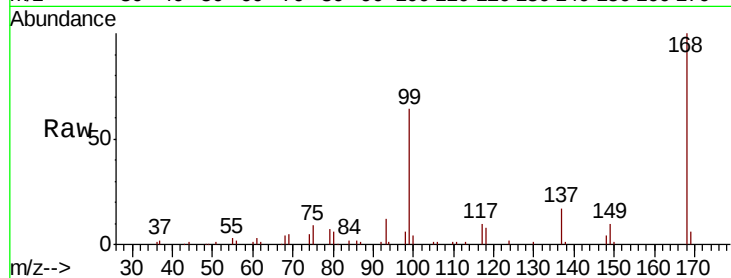




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.02 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

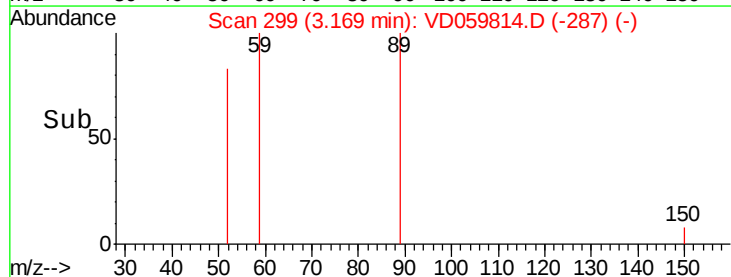
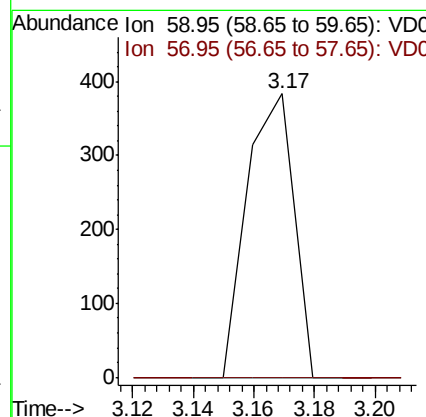
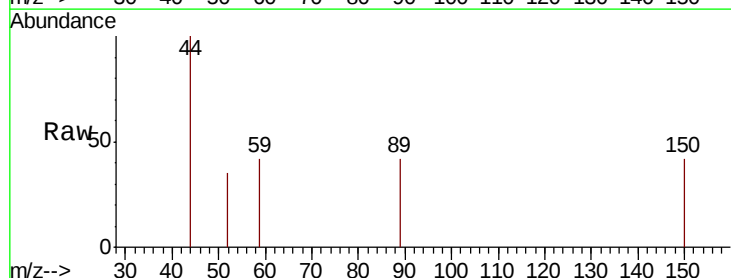
Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-009

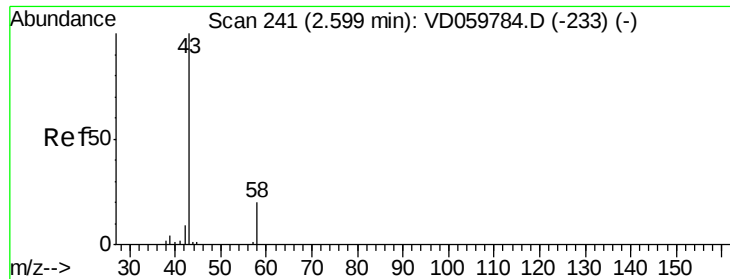
Tgt Ion: 168 Resp: 289490
Ion Ratio Lower Upper
168 100
99 64.0 50.3 75.5



#11
Tert butyl alcohol
Concen: 3.131 ug/l
RT: 3.17 min Scan# 299
Delta R.T. -0.08 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#16

Acetone

Concen: 80.498 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD059814.D

Acq: 16 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

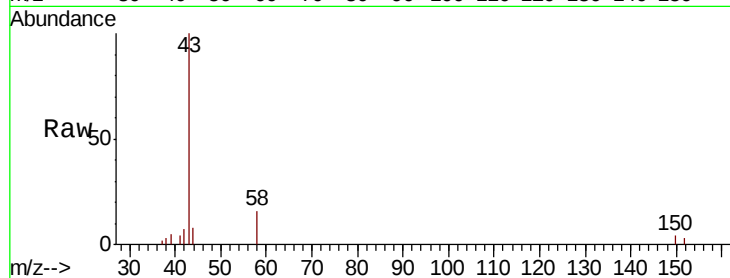
RA-081018-FL-009

Tgt Ion: 43 Resp: 47252

Ion Ratio Lower Upper

43 100

58 16.0 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

15000

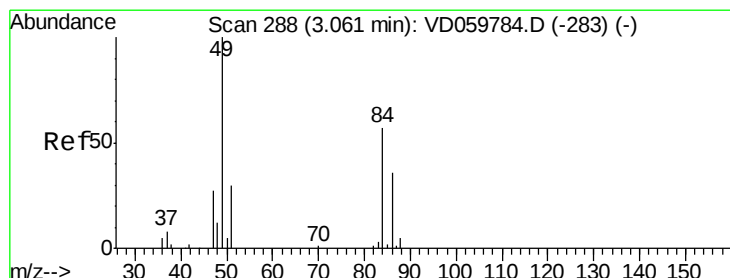
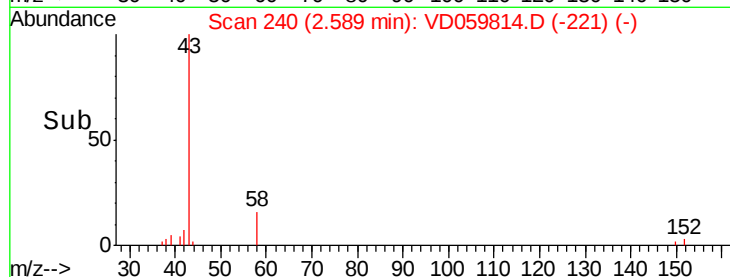
10000

5000

0

Time-->

2.50 2.60 2.70



#20

Methylene Chloride

Concen: 2.045 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.02 min

Lab File: VD059814.D

Acq: 16 Aug 2018 16:50

Tgt Ion: 84 Resp: 7974

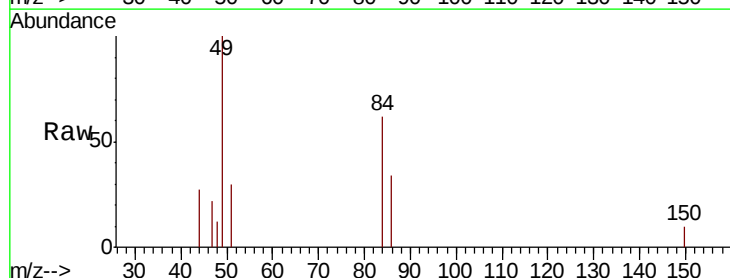
Ion Ratio Lower Upper

84 100

49 161.7 140.9 211.3

51 48.2 42.8 64.2

86 55.0 51.3 76.9



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

8000

6000

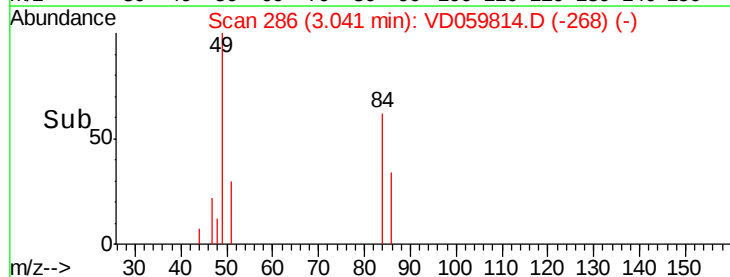
4000

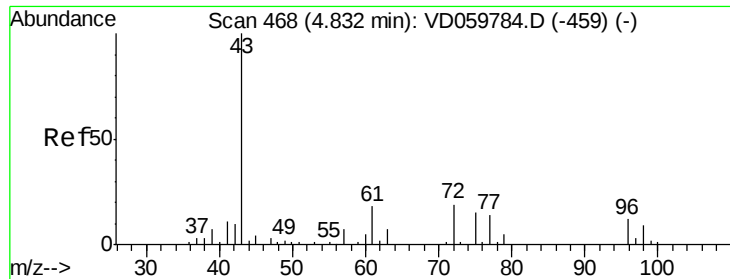
2000

0

Time-->

2.95 3.00 3.05 3.10 3.15





#25

2-Butanone

Concen: 9.460 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD059814.D

Acq: 16 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

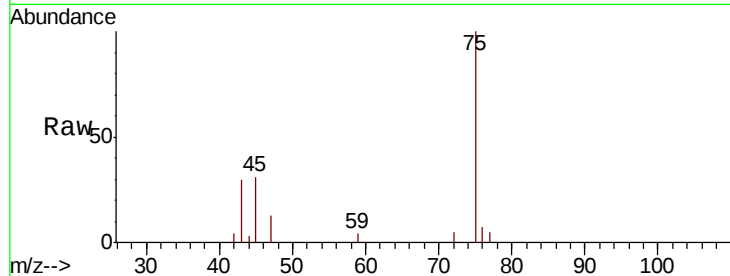
RA-081018-FL-009

Tgt Ion: 43 Resp: 8499

Ion Ratio Lower Upper

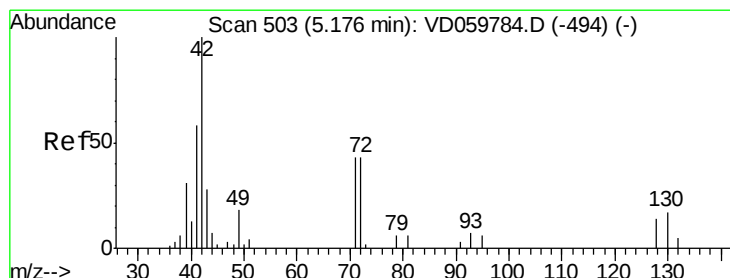
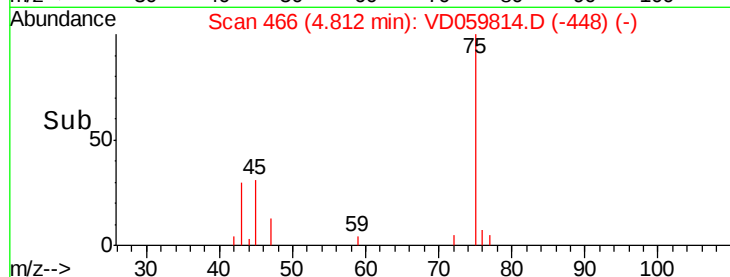
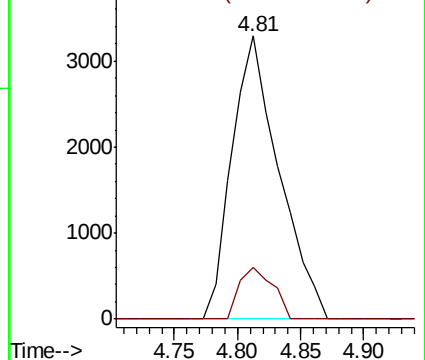
43 100

72 18.3 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.829 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.36 min

Lab File: VD059814.D

Acq: 16 Aug 2018 16:50

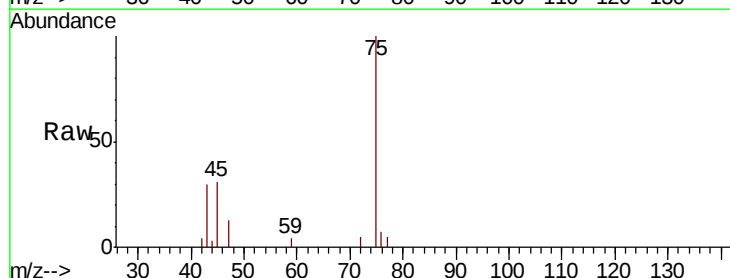
Tgt Ion: 42 Resp: 701

Ion Ratio Lower Upper

42 100

72 156.8 34.3 51.5#

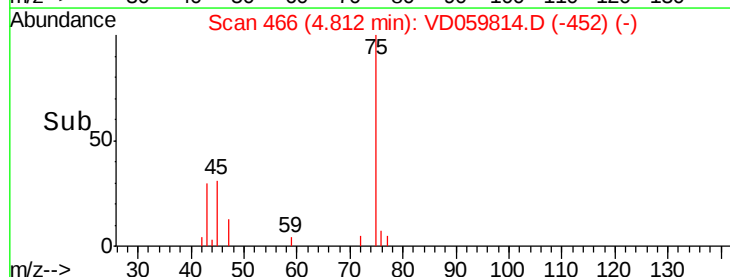
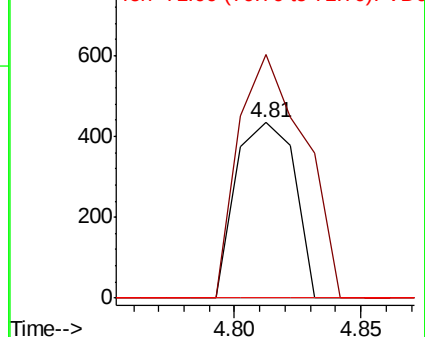
71 0.0 33.0 49.6#

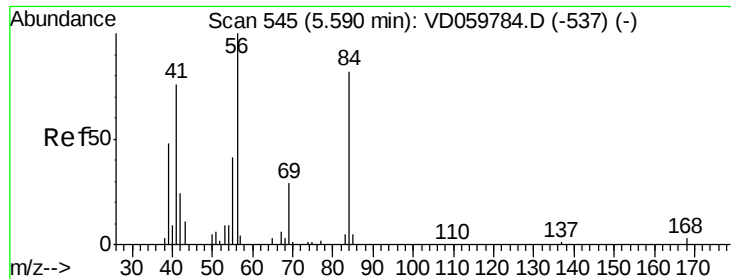


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

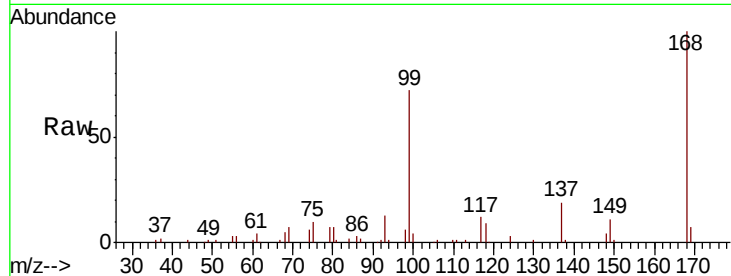




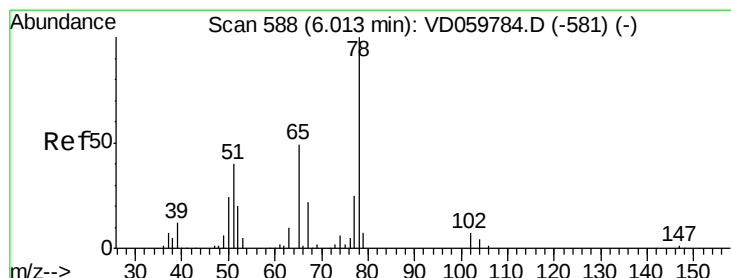
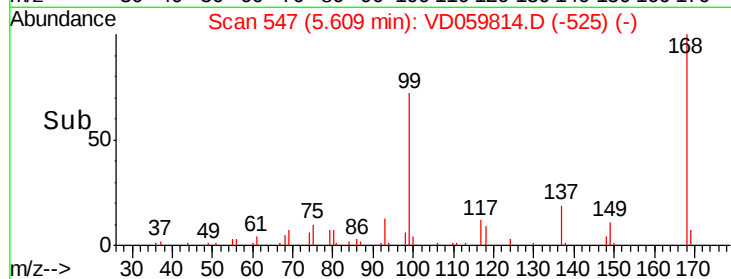
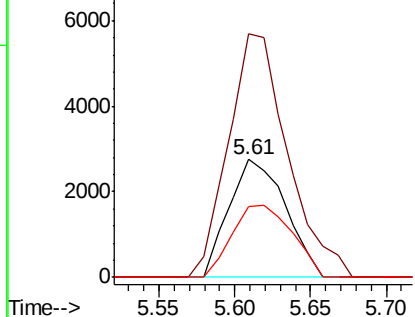
#31
Cyclohexane
Concen: 1.895 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-009

Tgt Ion: 56 Resp: 7160
Ion Ratio Lower Upper
56 100
69 206.9 23.4 35.2#
84 60.5 65.4 98.2#

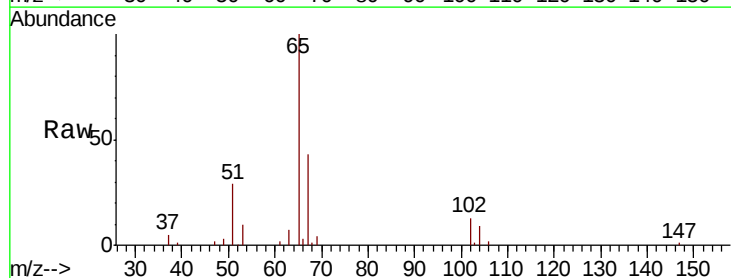


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

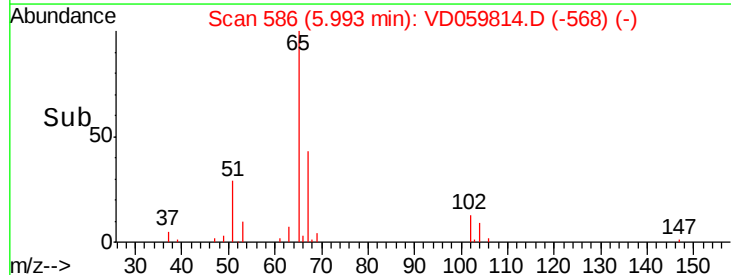
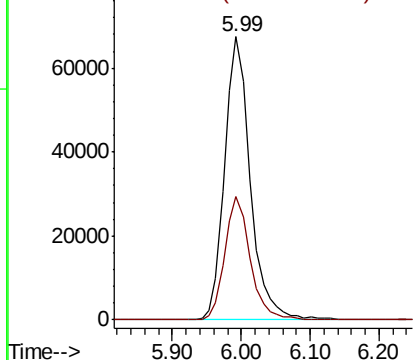


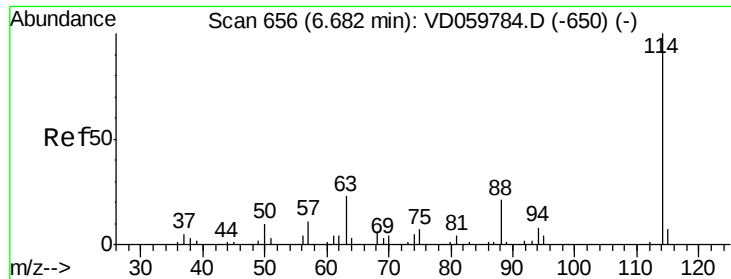
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.02 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

Tgt Ion: 65 Resp: 174271
Ion Ratio Lower Upper
65 100
67 43.4 0.0 87.8



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

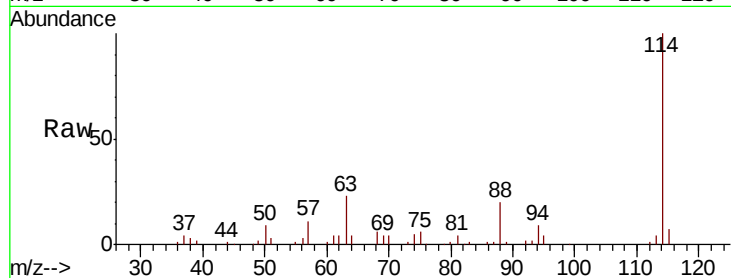




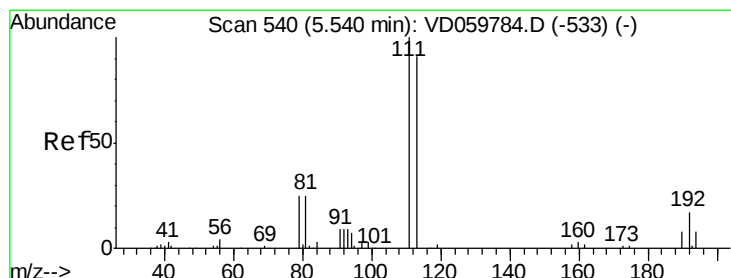
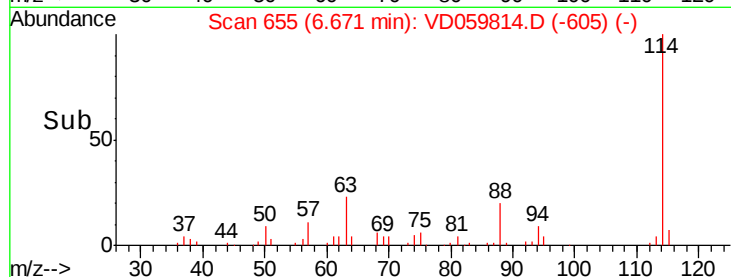
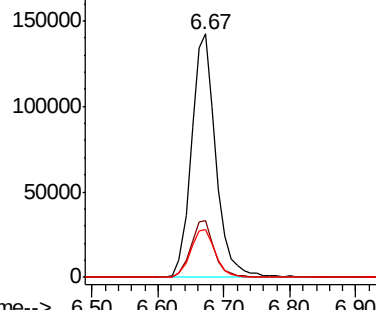
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-FL-009

Tgt Ion:114 Resp: 365589
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 19.8 0.0 41.2

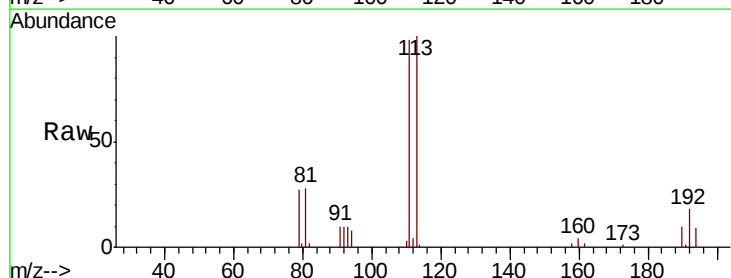


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

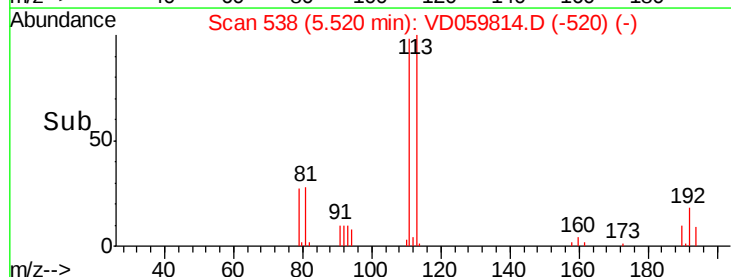
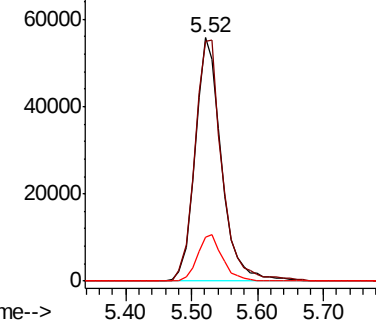


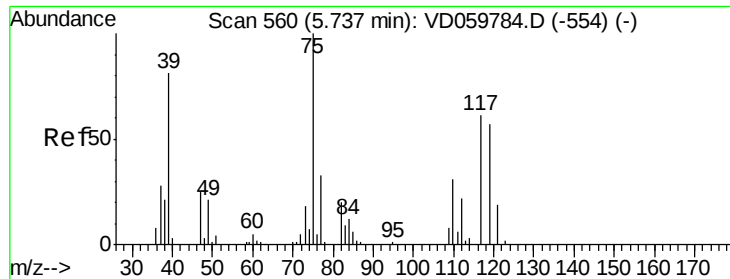
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

Tgt Ion:113 Resp: 155225
 Ion Ratio Lower Upper
 113 100
 111 98.3 87.7 131.5
 192 18.3 14.6 21.8



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

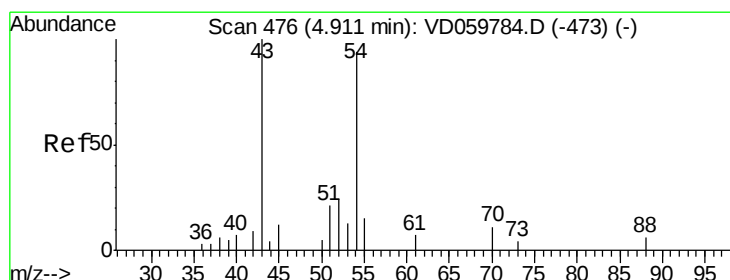
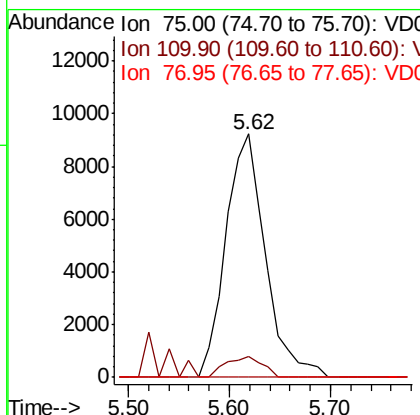
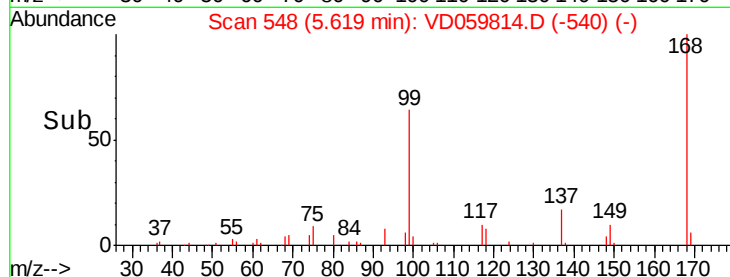
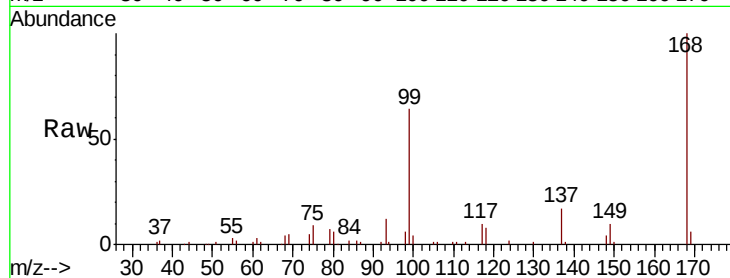




#36
 1,1-Dichloropropene
 Concen: 6.696 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.12 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

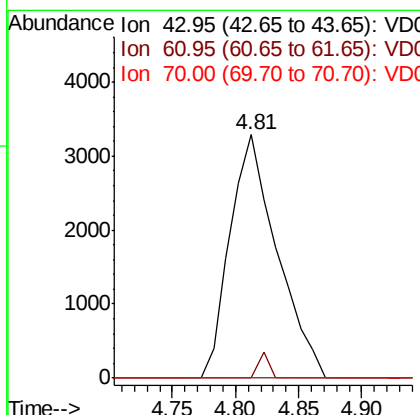
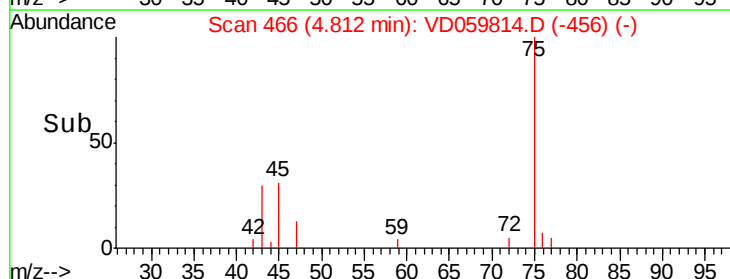
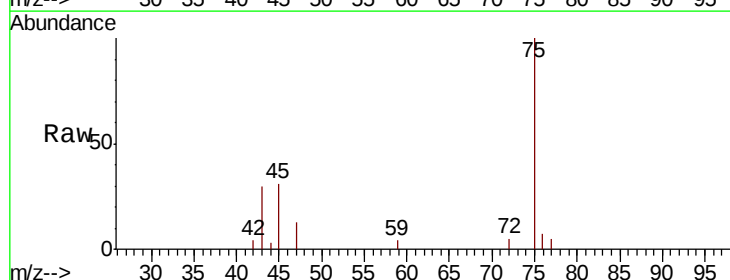
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-FL-009

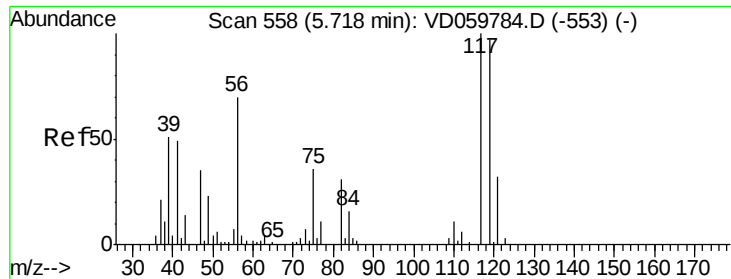
Tgt Ion: 75 Resp: 25117
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.3 45.8#
 77 0.0 26.2 39.4#



#37
 Ethyl Acetate
 Concen: 4.530 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.10 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

Tgt Ion: 43 Resp: 8499
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 5.8 8.8#





#38

Carbon Tetrachloride

Concen: 6.565 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.10 min

Lab File: VD059814.D

Acq: 16 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

RA-081018-FL-009

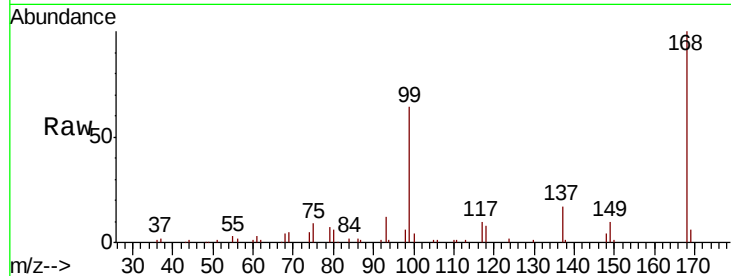
Tgt Ion:117 Resp: 29708

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

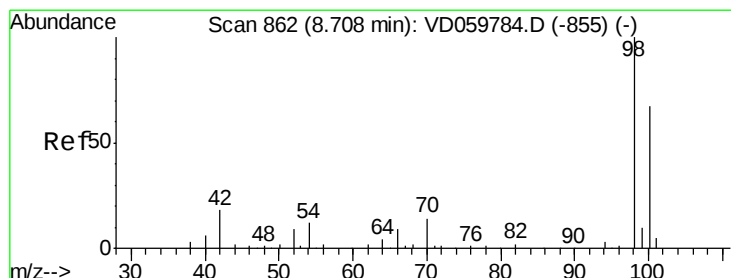
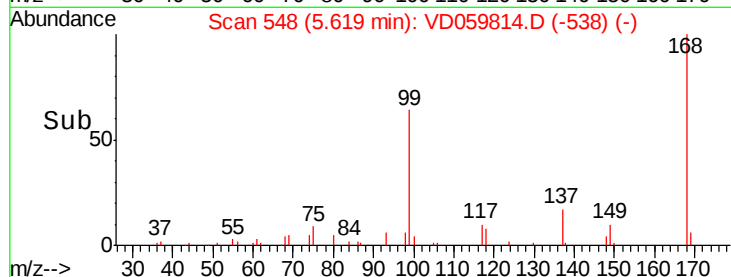
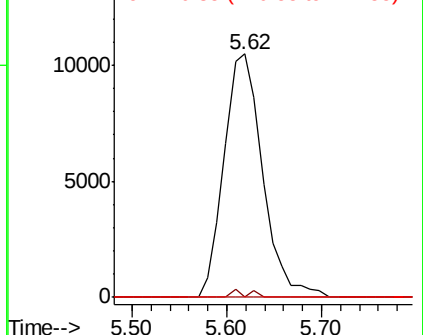
121 0.0 24.7 37.1#



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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059814.D

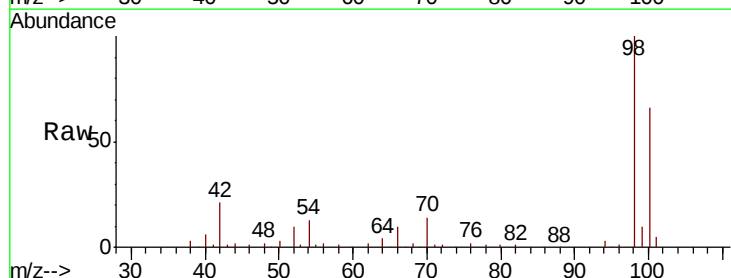
Acq: 16 Aug 2018 16:50

Tgt Ion: 98 Resp: 318322

Ion Ratio Lower Upper

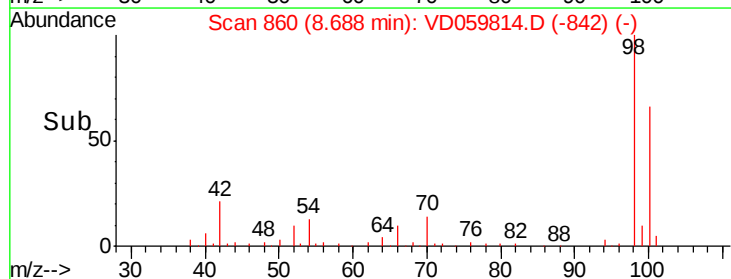
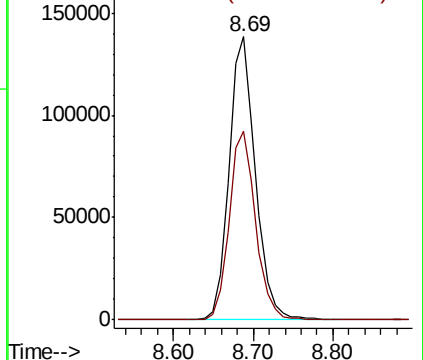
98 100

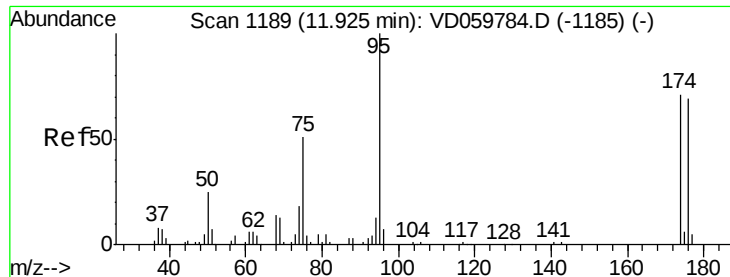
100 66.4 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

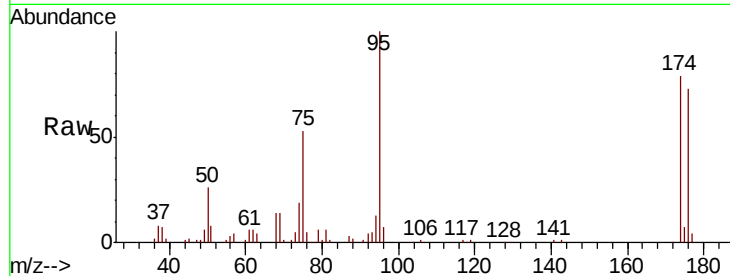




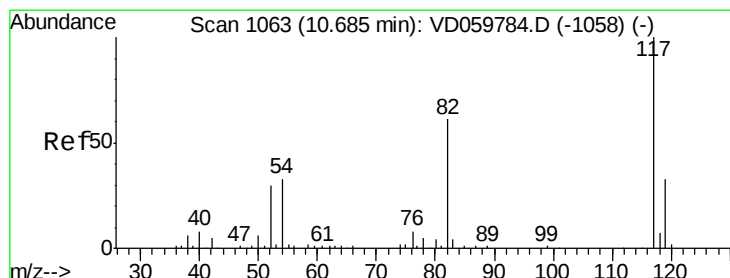
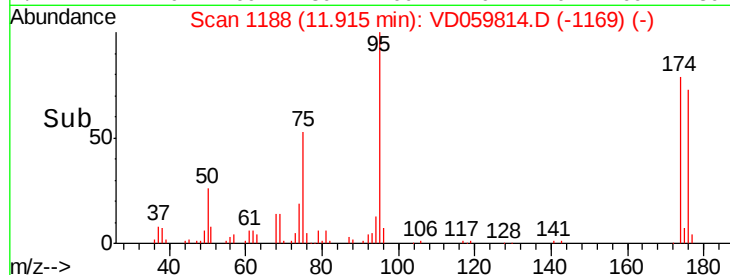
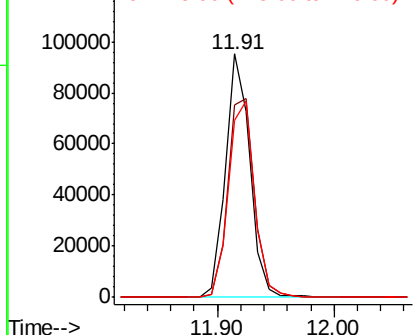
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.91 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
RA-081018-FL-009

Tgt Ion: 95 Resp: 137371
Ion Ratio Lower Upper
95 100
174 78.9 0.0 142.2
176 72.8 0.0 137.4

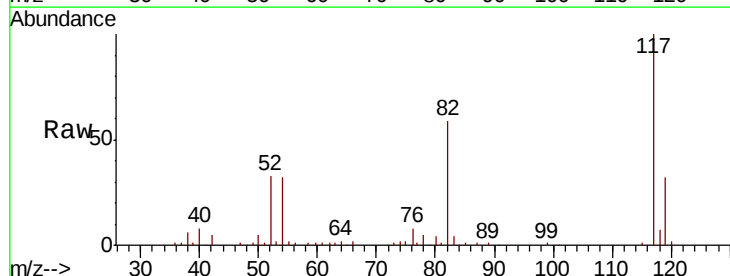


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

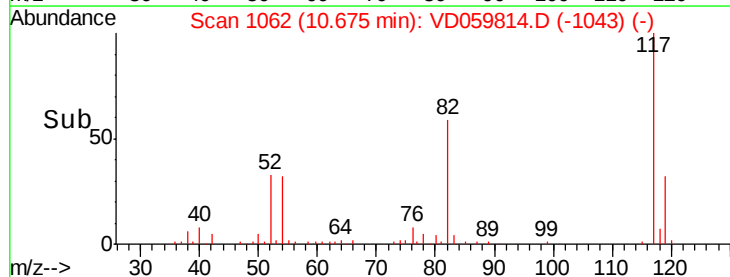
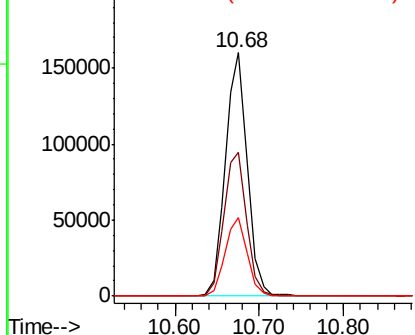


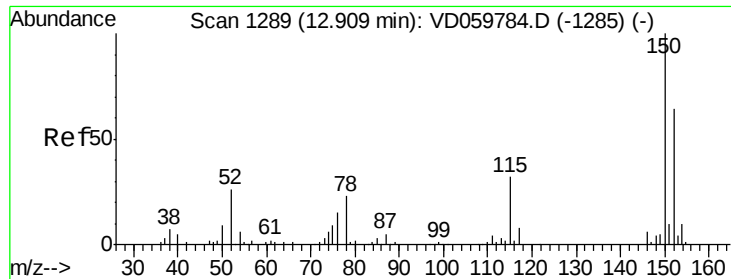
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059814.D
Acq: 16 Aug 2018 16:50

Tgt Ion: 117 Resp: 286592
Ion Ratio Lower Upper
117 100
82 59.0 49.0 73.6
119 32.0 26.2 39.2



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

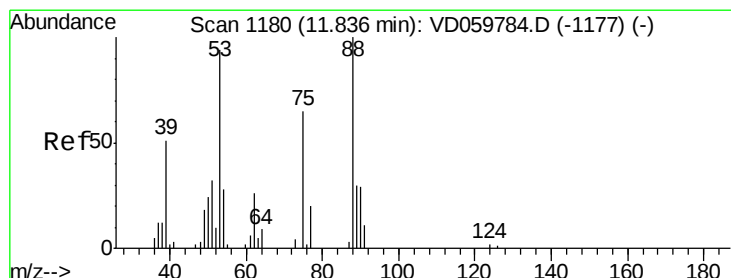
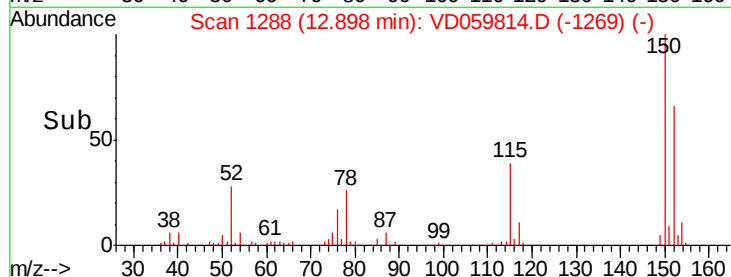
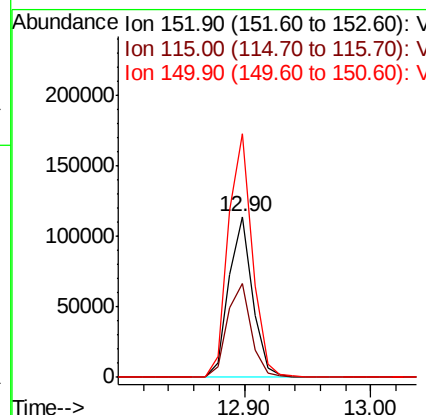
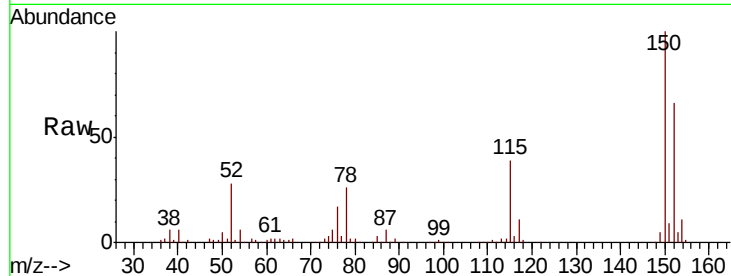




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081018-FL-009

Tgt Ion:152 Resp: 147771
 Ion Ratio Lower Upper
 152 100
 115 58.3 27.2 81.5
 150 151.2 0.0 312.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.211 ug/l
 RT: 11.91 min Scan# 1188
 Delta R.T. 0.08 min
 Lab File: VD059814.D
 Acq: 16 Aug 2018 16:50

Tgt Ion: 75 Resp: 72210
 Ion Ratio Lower Upper
 75 100
 53 0.0 116.2 174.2#
 89 0.0 37.0 55.6#

