

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059839.D
 Acq On : 20 Aug 2018 19:11
 Operator : JC/SY
 Sample : J4501-07RE
 Misc : 5.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-SSW-45-022RE

Quant Time: Aug 21 05:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	920959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1295466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	780961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	220129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	391453	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	5.50	113	510528	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	8.67	98	1241443	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.90	95	327558	33.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.08%	

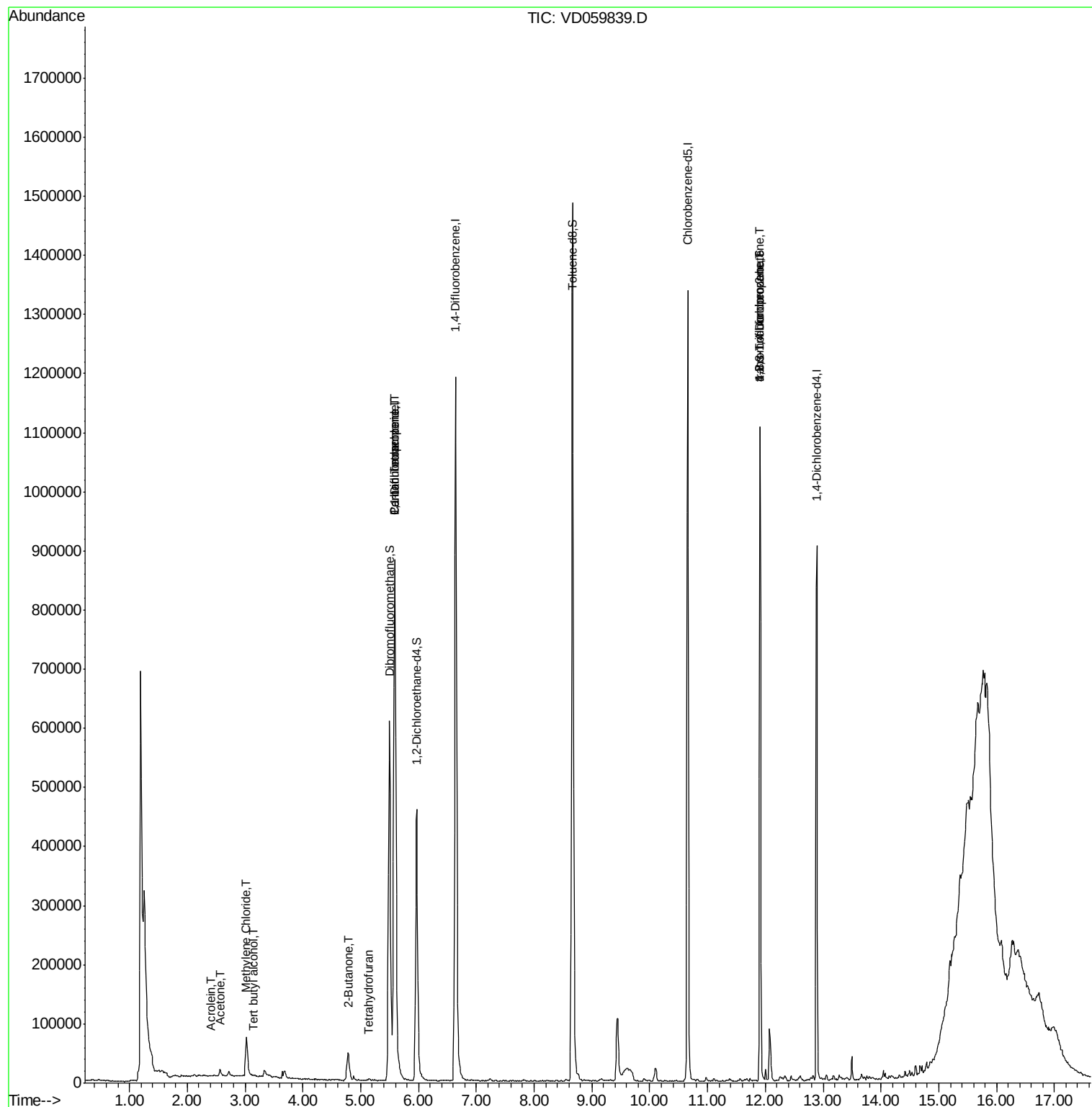
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.14	59	608	2.231	ug/l #	67
13) Acrolein	2.42	56	944	4.441	ug/l #	8
16) Acetone	2.57	43	20111	16.279	ug/l	97
18) Methyl Acetate	2.88	43	474	Below Cal	#	65
20) Methylene Chloride	3.02	84	31569	1.831	ug/l	95
25) 2-Butanone	4.78	43	14135	3.785	ug/l	99
29) Tetrahydrofuran	5.13	42	3224	1.705	ug/l #	42
31) Cyclohexane	5.59	56	20363	Below Cal	#	1
36) 1,1-Dichloropropene	5.59	75	66373	6.041	ug/l #	47
38) Carbon Tetrachloride	5.59	117	74494	6.794	ug/l #	14
67) Ethyl Benzene	10.83	91	2081	Below Cal		96
76) 1,2,3-Trichloropropane	11.90	75	95959	26.349	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.30	105	1167	Below Cal		96
81) trans-1,4-Dichloro-2-buten	11.90	75	130700	114.805	ug/l #	10
82) 4-Chlorotoluene	12.30	91	1462	Below Cal	#	48
89) n-Butylbenzene	13.17	91	760	Below Cal	#	68
91) 1,2-Dichlorobenzene	13.17	146	387	Below Cal	#	67

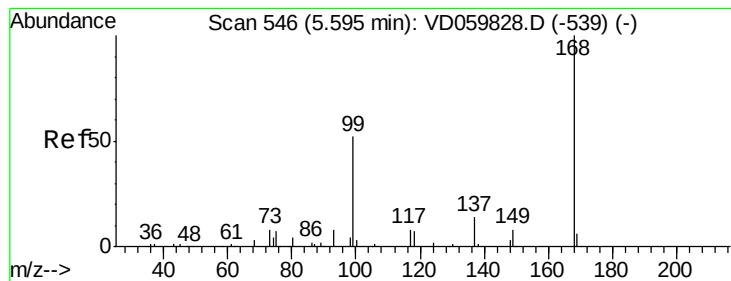
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

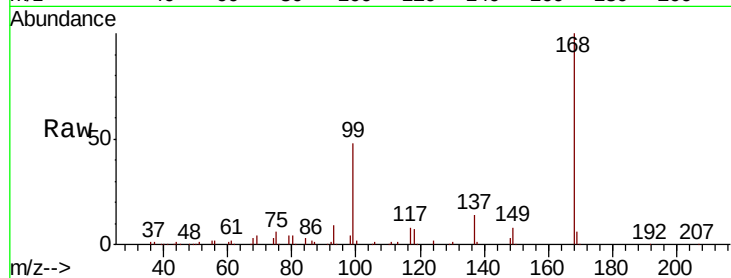
RA-081318-SSW-45-022RE

Tgt Ion:168 Resp: 920959

Ion Ratio Lower Upper

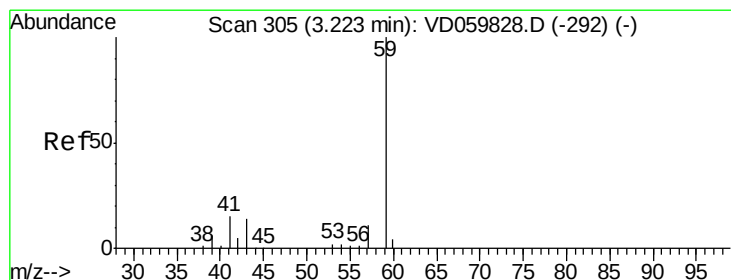
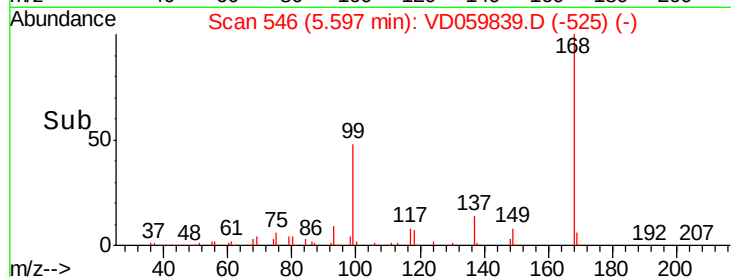
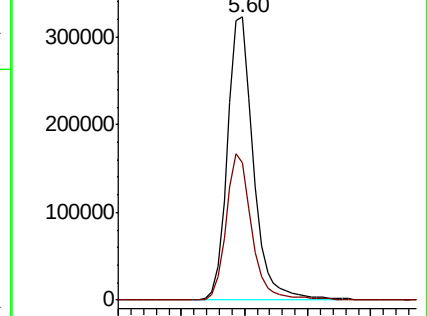
168 100

99 48.4 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.231 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.09 min

Lab File: VD059839.D

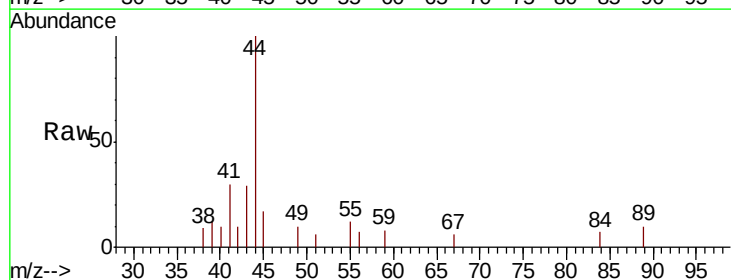
Acq: 20 Aug 2018 19:11

Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

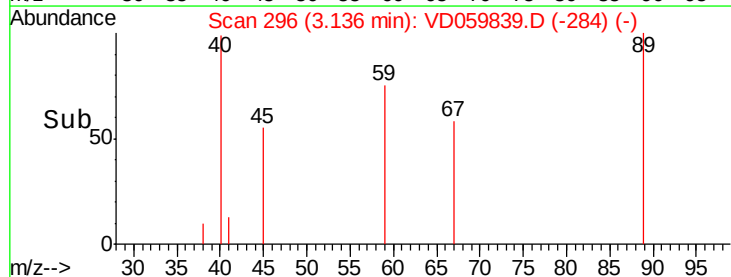
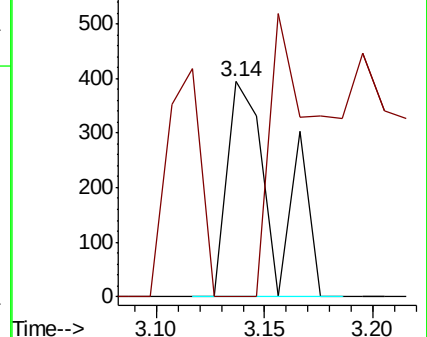
59 100

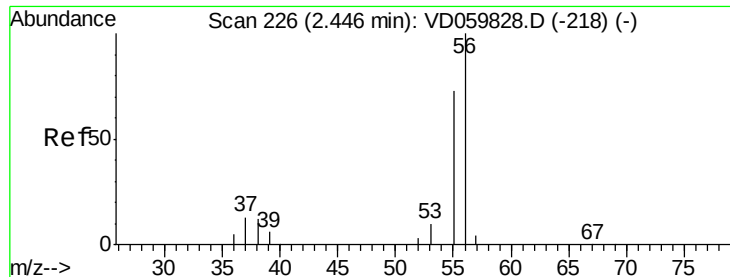
57 0.0 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 4.441 ug/l

RT: 2.42 min Scan# 223

Delta R.T. -0.03 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

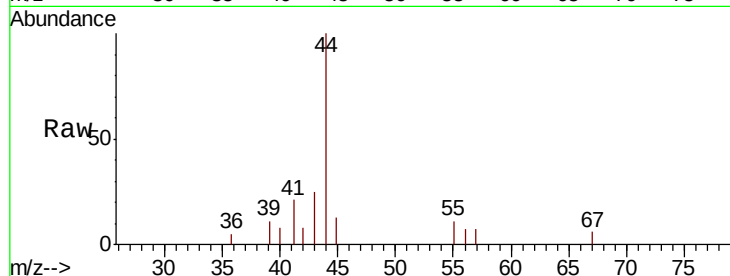
RA-081318-SSW-45-022RE

Tgt Ion: 56 Resp: 944

Ion Ratio Lower Upper

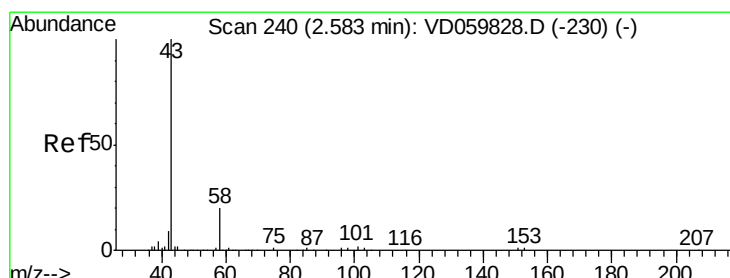
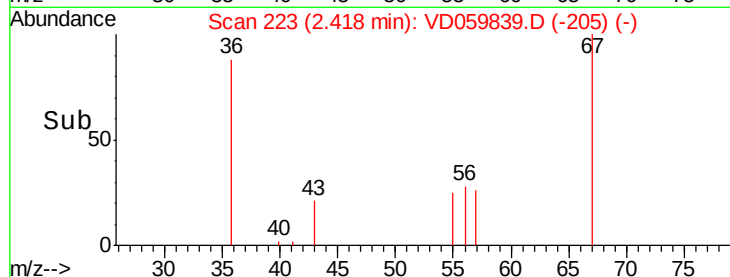
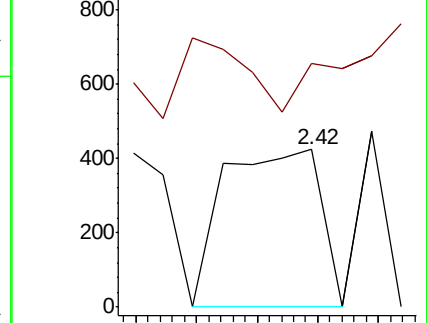
56 100

55 154.5 60.4 90.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 16.279 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.02 min

Lab File: VD059839.D

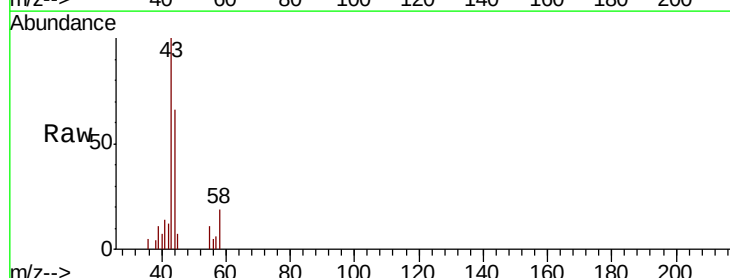
Acq: 20 Aug 2018 19:11

Tgt Ion: 43 Resp: 20111

Ion Ratio Lower Upper

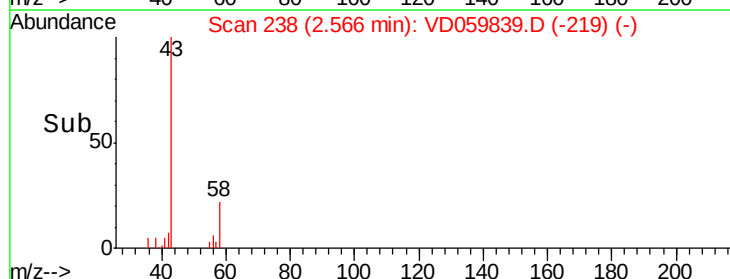
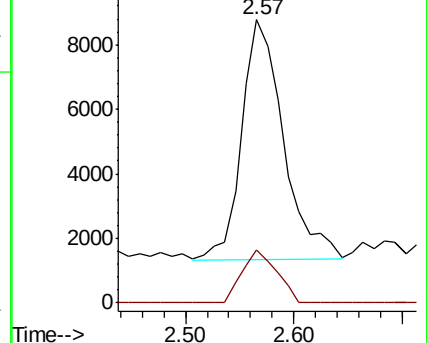
43 100

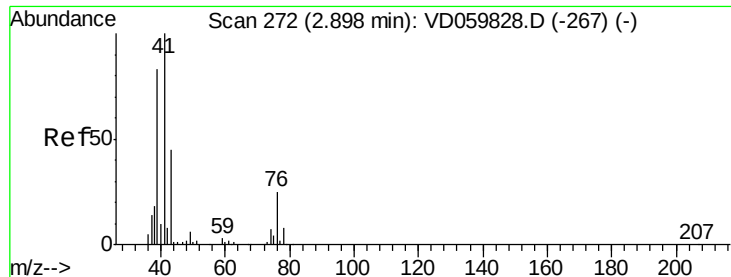
58 18.9 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

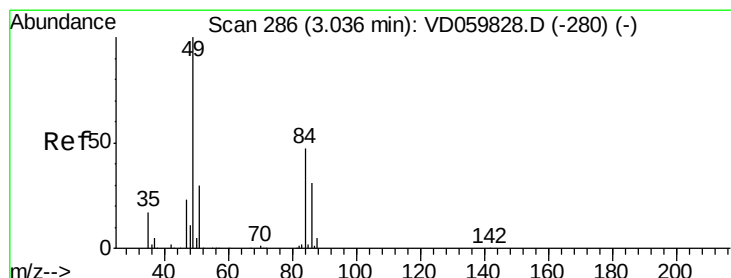
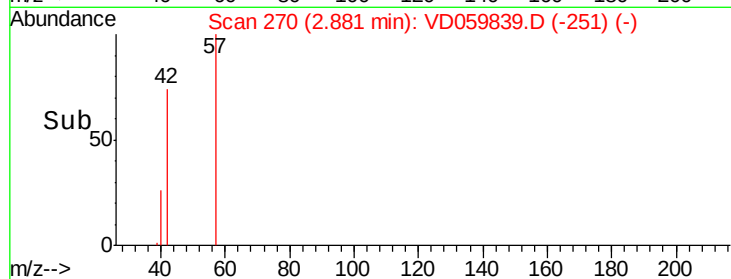
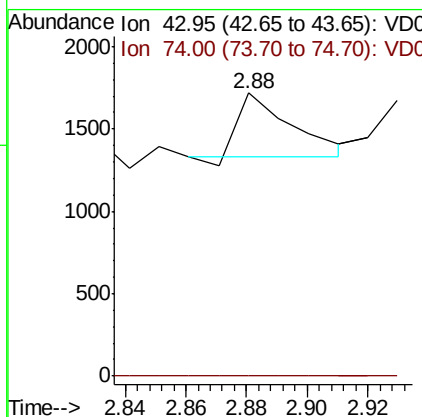
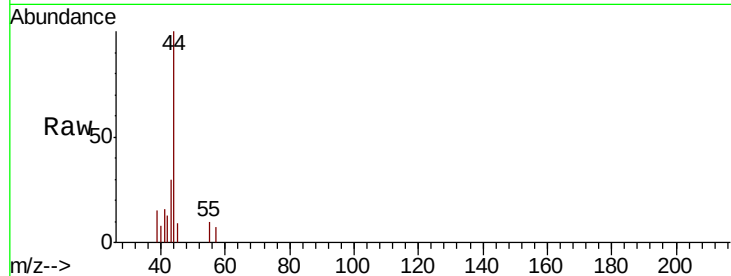




#18
Methyl Acetate
Concen: Below Cal
RT: 2.88 min Scan# 270
Delta R.T. -0.02 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

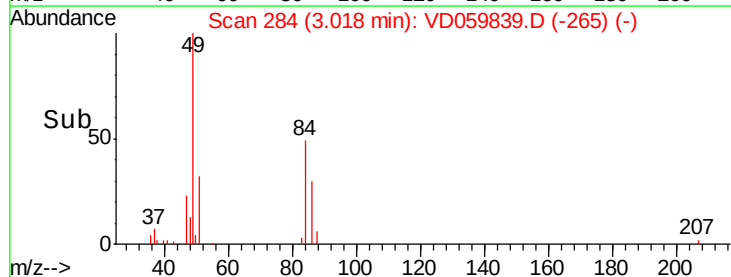
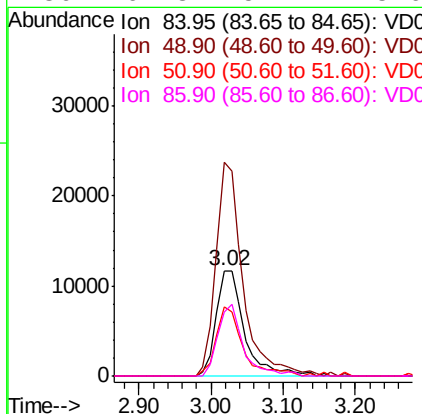
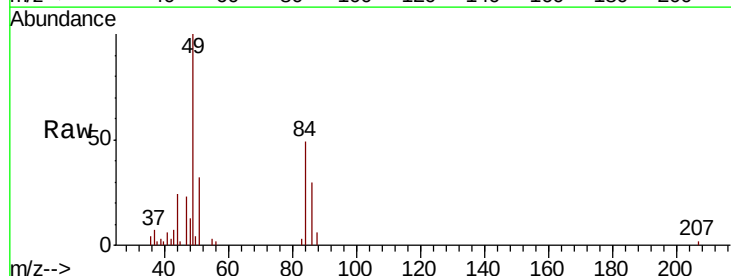
Instrument :
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RA-081318-SSW-45-022RE

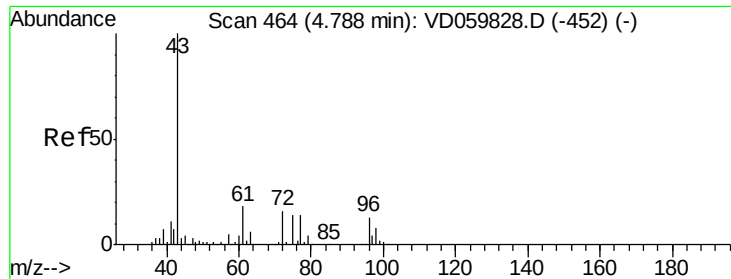
Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: 1.831 ug/l
RT: 3.02 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Tgt Ion: 84 Resp: 31569
Ion Ratio Lower Upper
84 100
49 203.1 170.4 255.6
51 65.7 51.4 77.0
86 61.3 52.4 78.6





#25

2-Butanone

Concen: 3.785 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

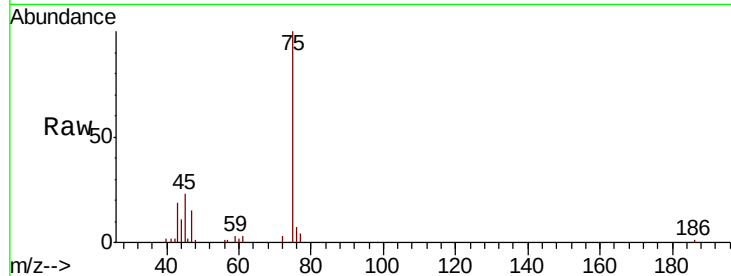
RA-081318-SSW-45-022RE

Tgt Ion: 43 Resp: 14135

Ion Ratio Lower Upper

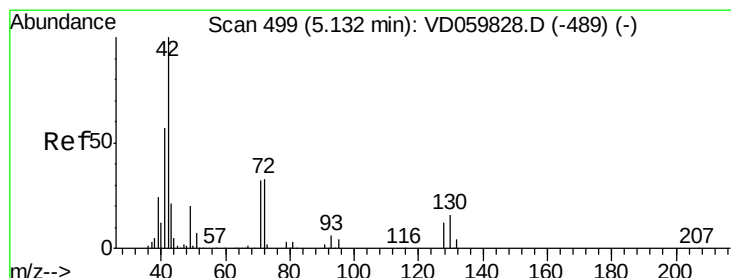
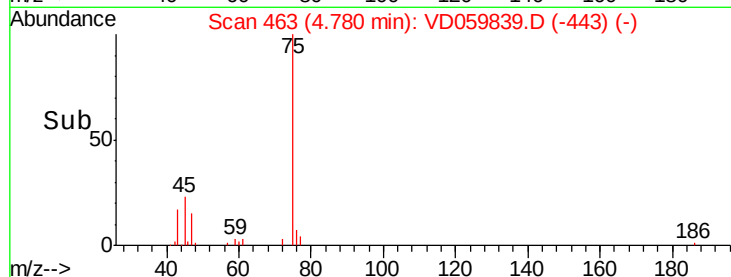
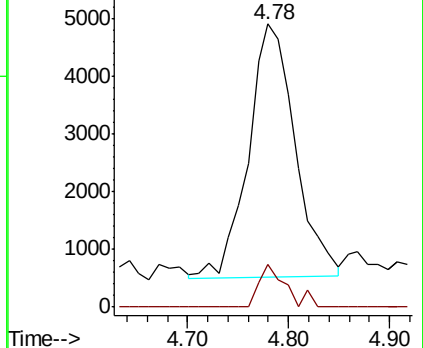
43 100

72 15.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.705 ug/l

RT: 5.13 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

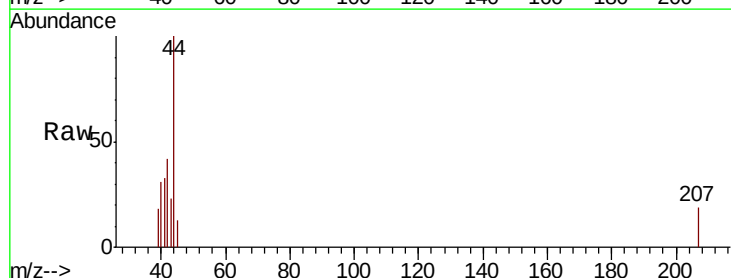
Tgt Ion: 42 Resp: 3224

Ion Ratio Lower Upper

42 100

72 0.0 25.8 38.6#

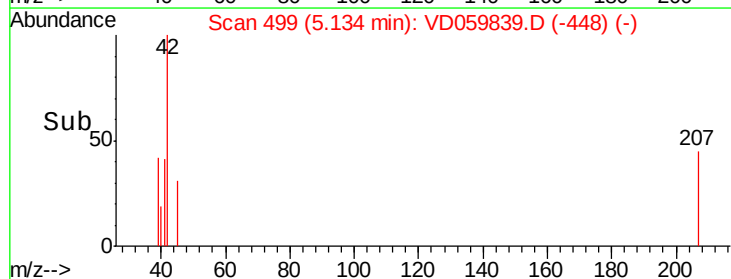
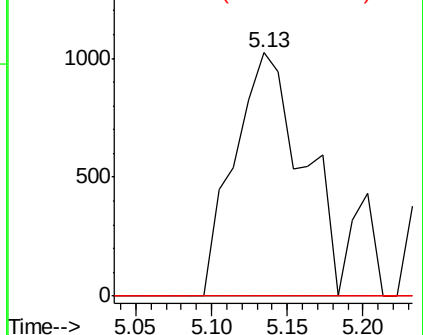
71 0.0 25.7 38.5#

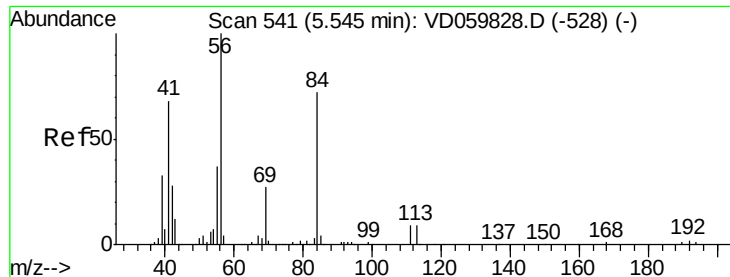


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

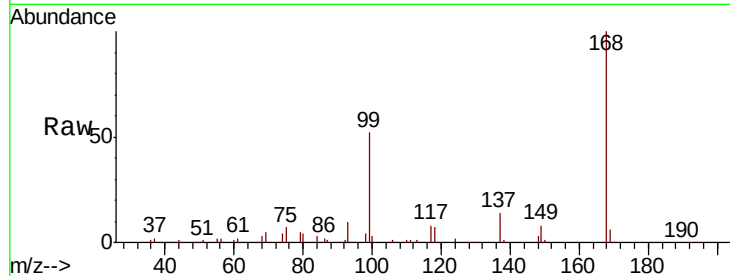




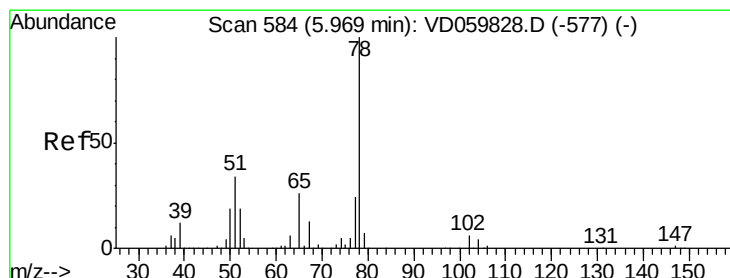
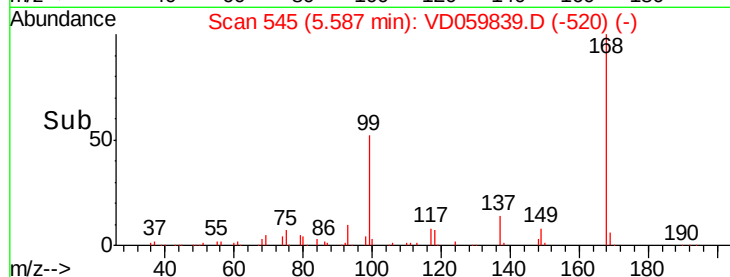
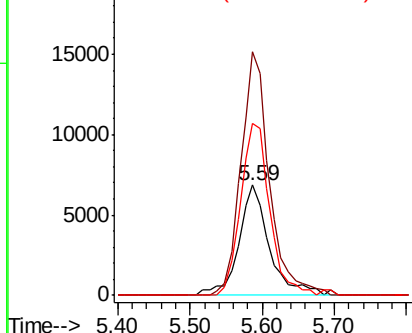
#31
Cyclohexane
Concen: Below Cal
RT: 5.59 min Scan# 545
Delta R.T. 0.04 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081318-SSW-45-022RE

Tgt Ion: 56 Resp: 20363
Ion Ratio Lower Upper
56 100
69 220.5 21.7 32.5#
84 155.6 57.8 86.6#

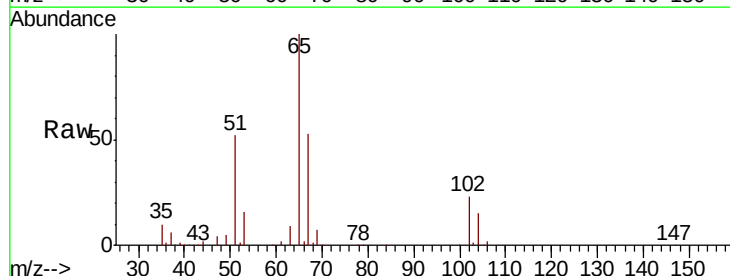


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

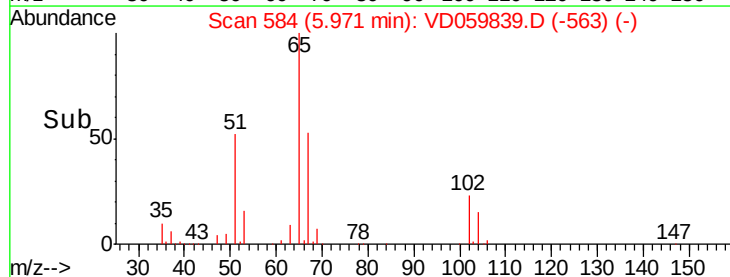
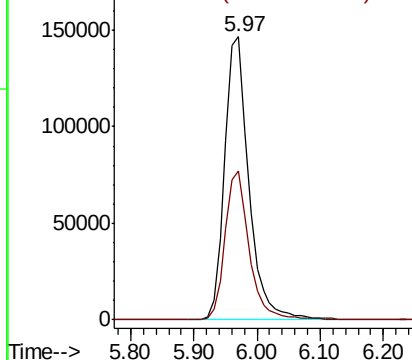


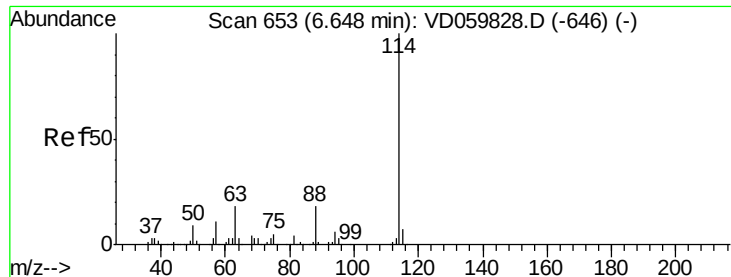
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Tgt Ion: 65 Resp: 391453
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.4



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: 6.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

Instrument :

MSVOA_D

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RA-081318-SSW-45-022RE

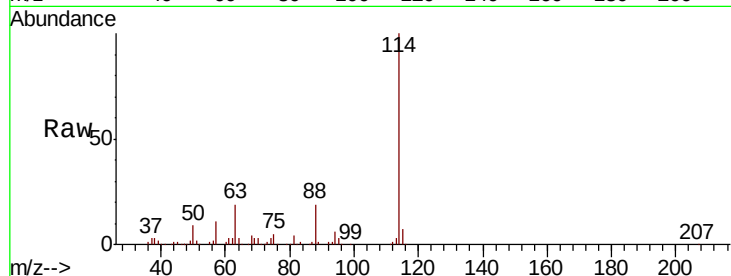
Tgt Ion:114 Resp: 1295466

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.0

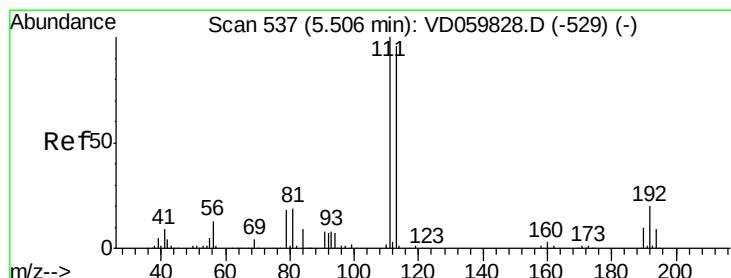
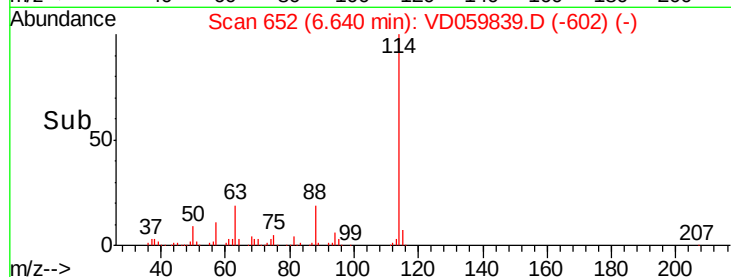
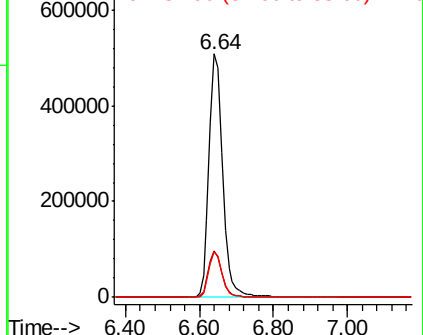
88 18.7 0.0 37.0



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: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059839.D

Acq: 20 Aug 2018 19:11

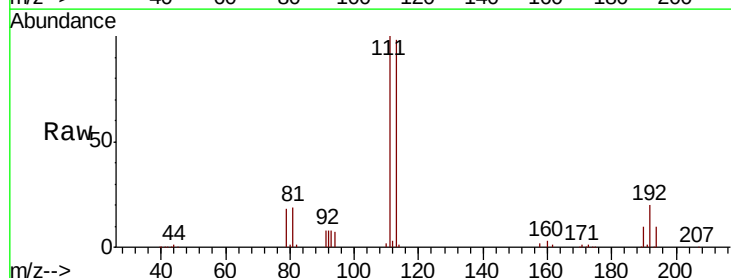
Tgt Ion:113 Resp: 510528

Ion Ratio Lower Upper

113 100

111 102.3 83.3 124.9

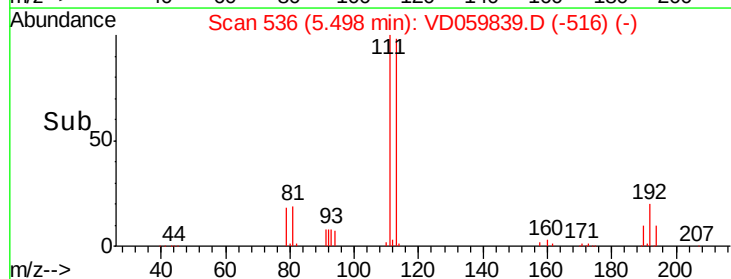
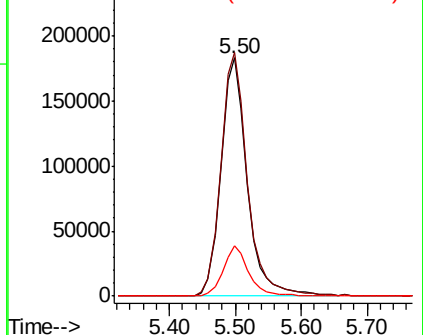
192 20.9 16.8 25.2

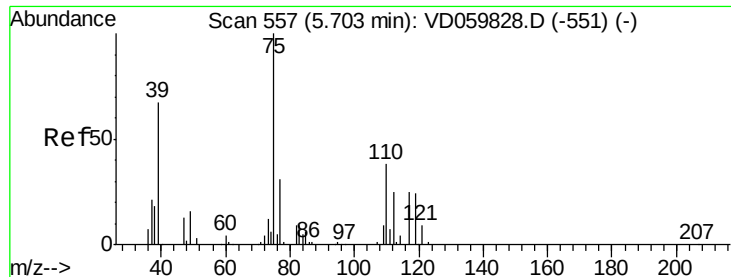


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

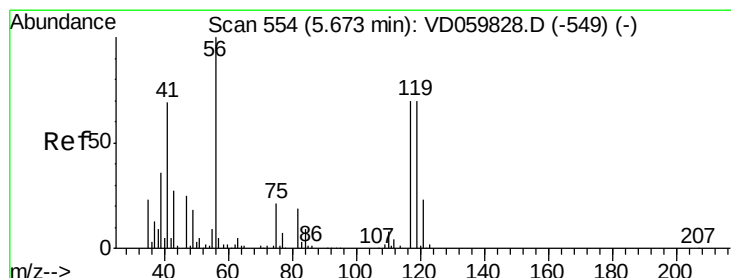
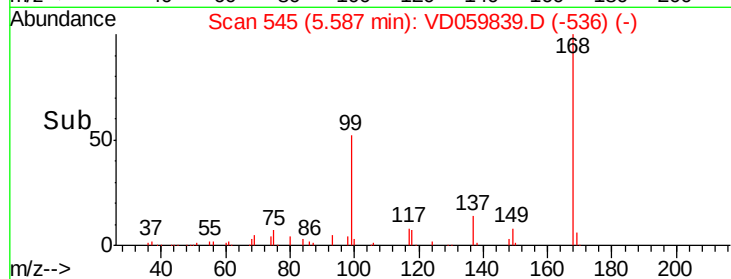
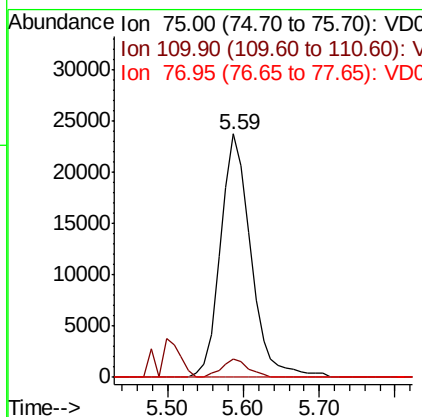
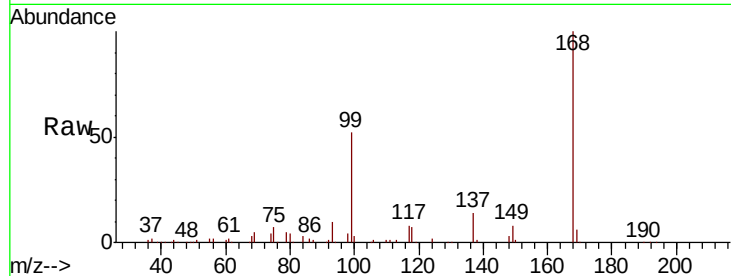




#36
 1,1-Dichloropropene
 Concen: 6.041 ug/l
 RT: 5.59 min Scan# 545
 Delta R.T. -0.12 min
 Lab File: VD059839.D
 Acq: 20 Aug 2018 19:11

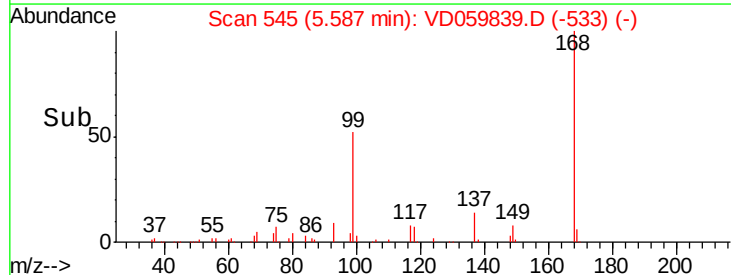
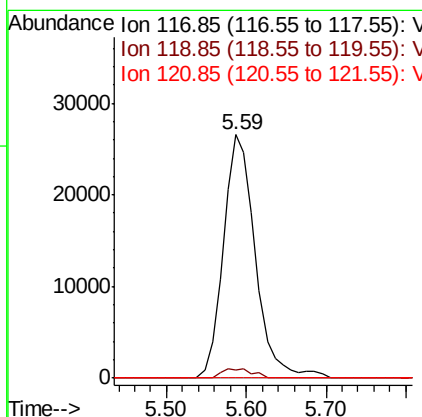
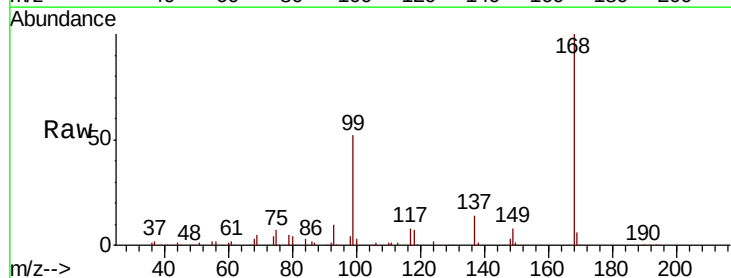
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-SSW-45-022RE

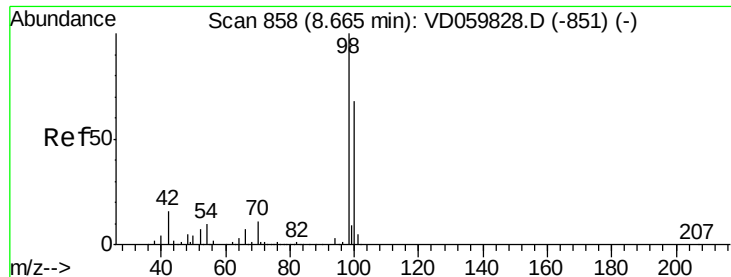
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.794 ug/l
 RT: 5.59 min Scan# 545
 Delta R.T. -0.09 min
 Lab File: VD059839.D
 Acq: 20 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	77.0	115.4#
121	0.0	24.7	37.1#

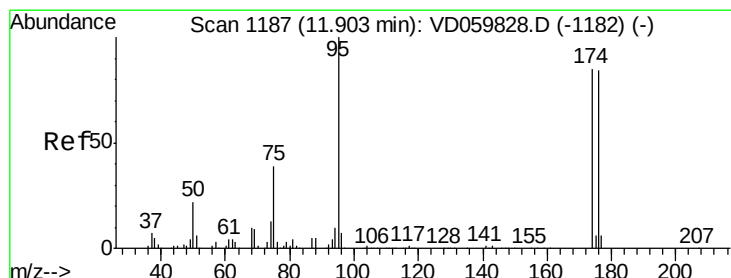
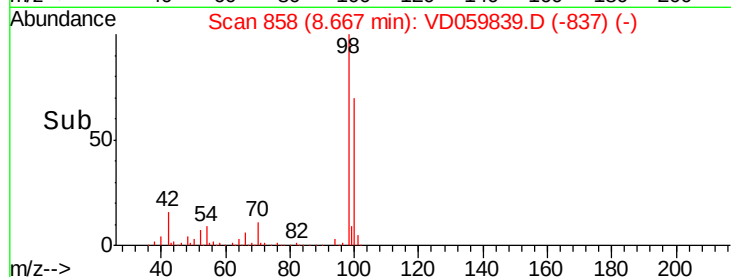
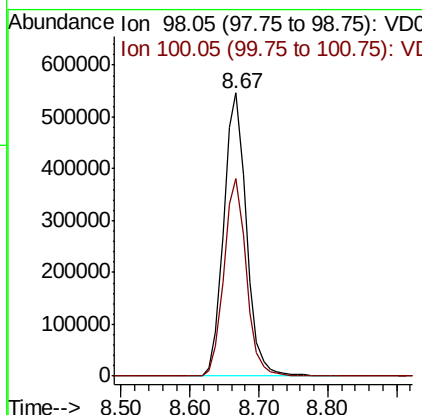
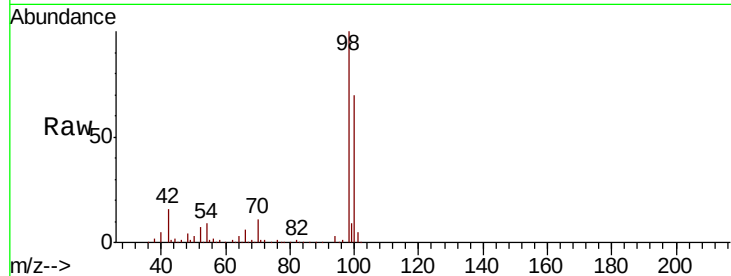




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.00 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

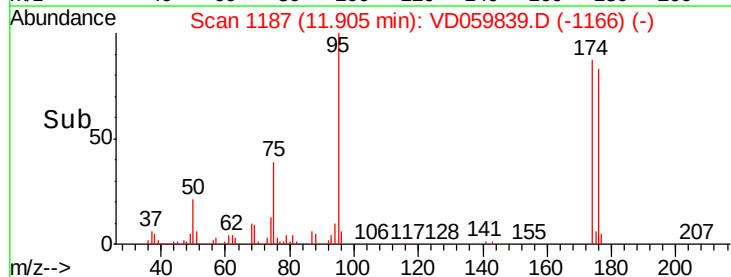
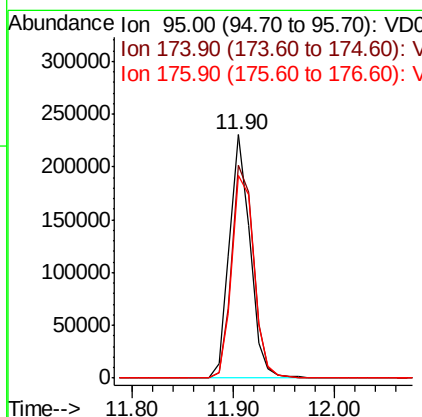
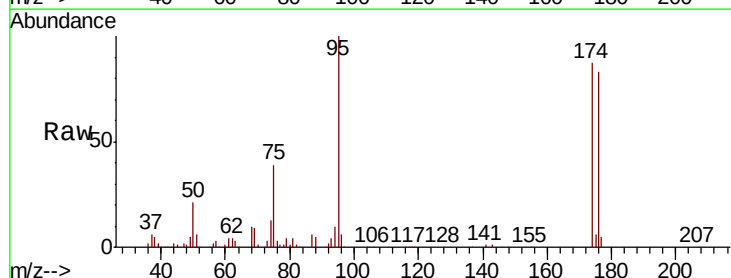
Instrument :
MSVOA_D
ClientSampleId :
RA-081318-SSW-45-022RE

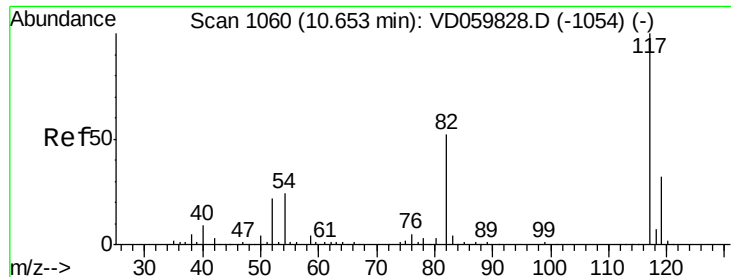
Tgt Ion: 98 Resp: 1241443
Ion Ratio Lower Upper
98 100
100 69.6 55.0 82.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.90 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Tgt Ion: 95 Resp: 327558
Ion Ratio Lower Upper
95 100
174 87.4 0.0 169.2
176 83.2 0.0 168.0

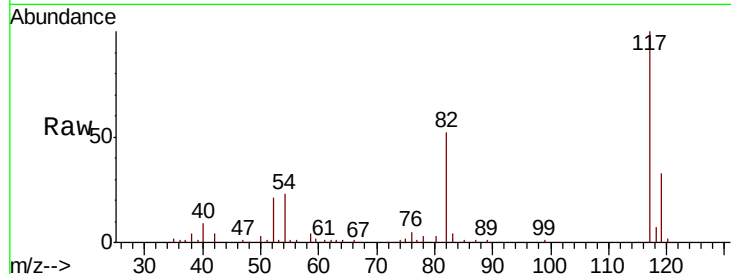




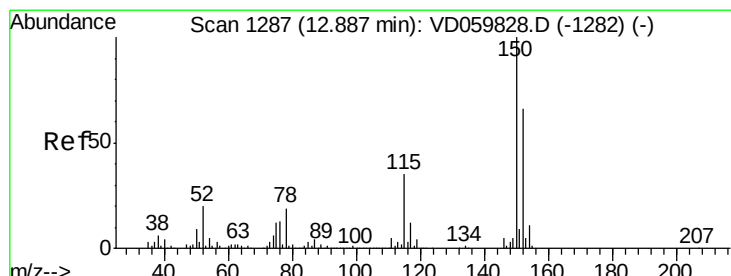
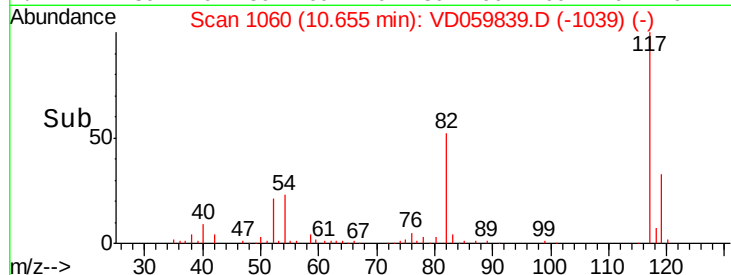
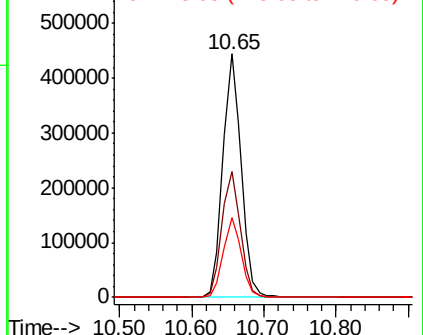
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081318-SSW-45-022RE

Tgt Ion:117 Resp: 780961
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 32.8 25.6 38.4

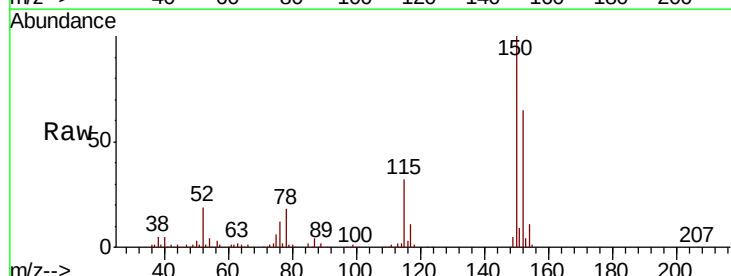


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

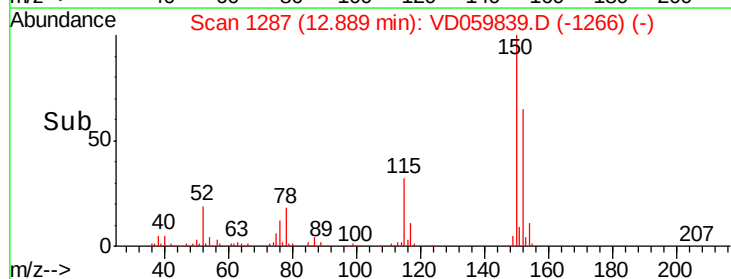
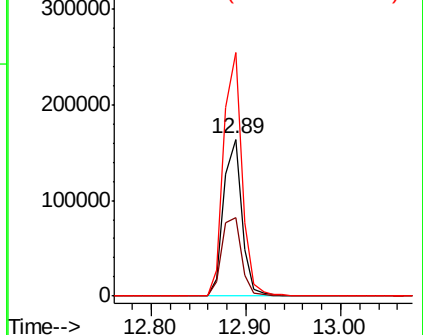


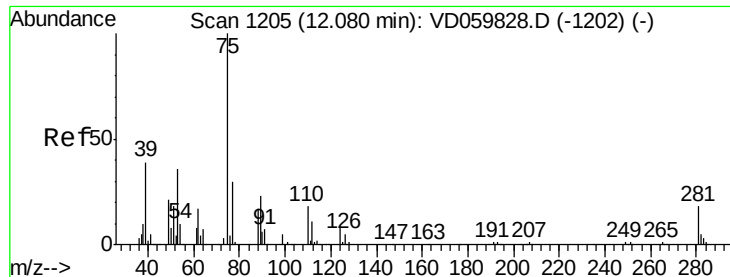
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059839.D
Acq: 20 Aug 2018 19:11

Tgt Ion:152 Resp: 220129
Ion Ratio Lower Upper
152 100
115 50.1 26.9 80.6
150 155.0 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

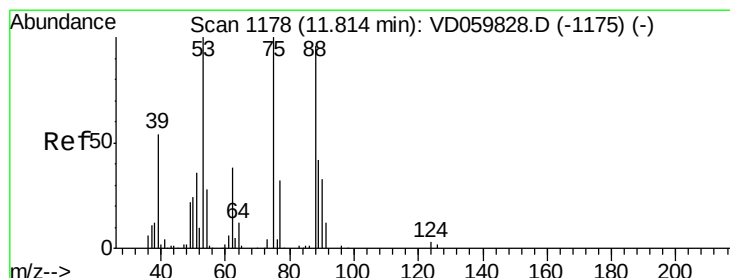
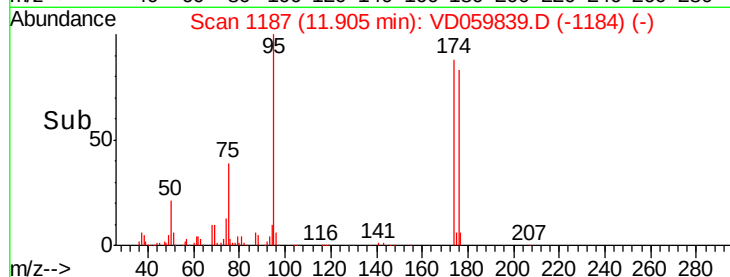
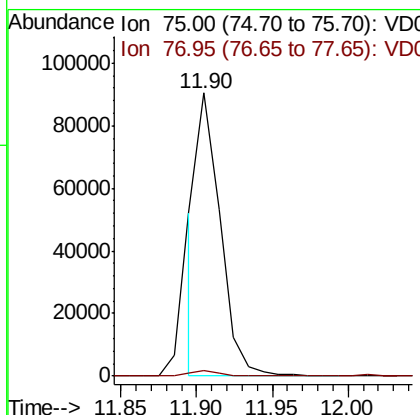
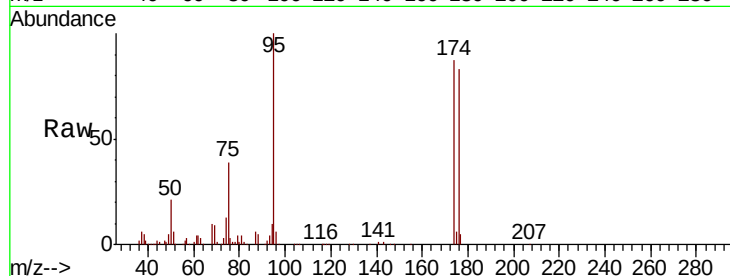




#76
 1,2,3-Trichloropropane
 Concen: 26.349 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. -0.18 min
 Lab File: VD059839.D
 Acq: 20 Aug 2018 19:11

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081318-SSW-45-022RE

Tgt Ion: 75 Resp: 95959
 Ion Ratio Lower Upper
 75 100
 77 1.8 16.0 47.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.805 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.09 min
 Lab File: VD059839.D
 Acq: 20 Aug 2018 19:11

Tgt Ion: 75 Resp: 130700
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 33.9 50.9#

