

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059947.D
 Acq On : 4 Sep 2018 16:29
 Operator : JC/SY
 Sample : J4724-01
 Misc : 5.58g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-BOILER

Quant Time: Sep 05 03:53:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1055946	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1433757	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1204539	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	661900	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	341867	38.41	ug/l	-0.04
Spiked Amount			Recovery	=	76.82%	
35) Dibromofluoromethane	6.29	113	446808	39.75	ug/l	-0.04
Spiked Amount			Recovery	=	79.50%	
50) Toluene-d8	9.43	98	1205454	38.64	ug/l	-0.03
Spiked Amount			Recovery	=	77.28%	
62) 4-Bromofluorobenzene	12.42	95	479367	37.83	ug/l	-0.02
Spiked Amount			Recovery	=	75.66%	

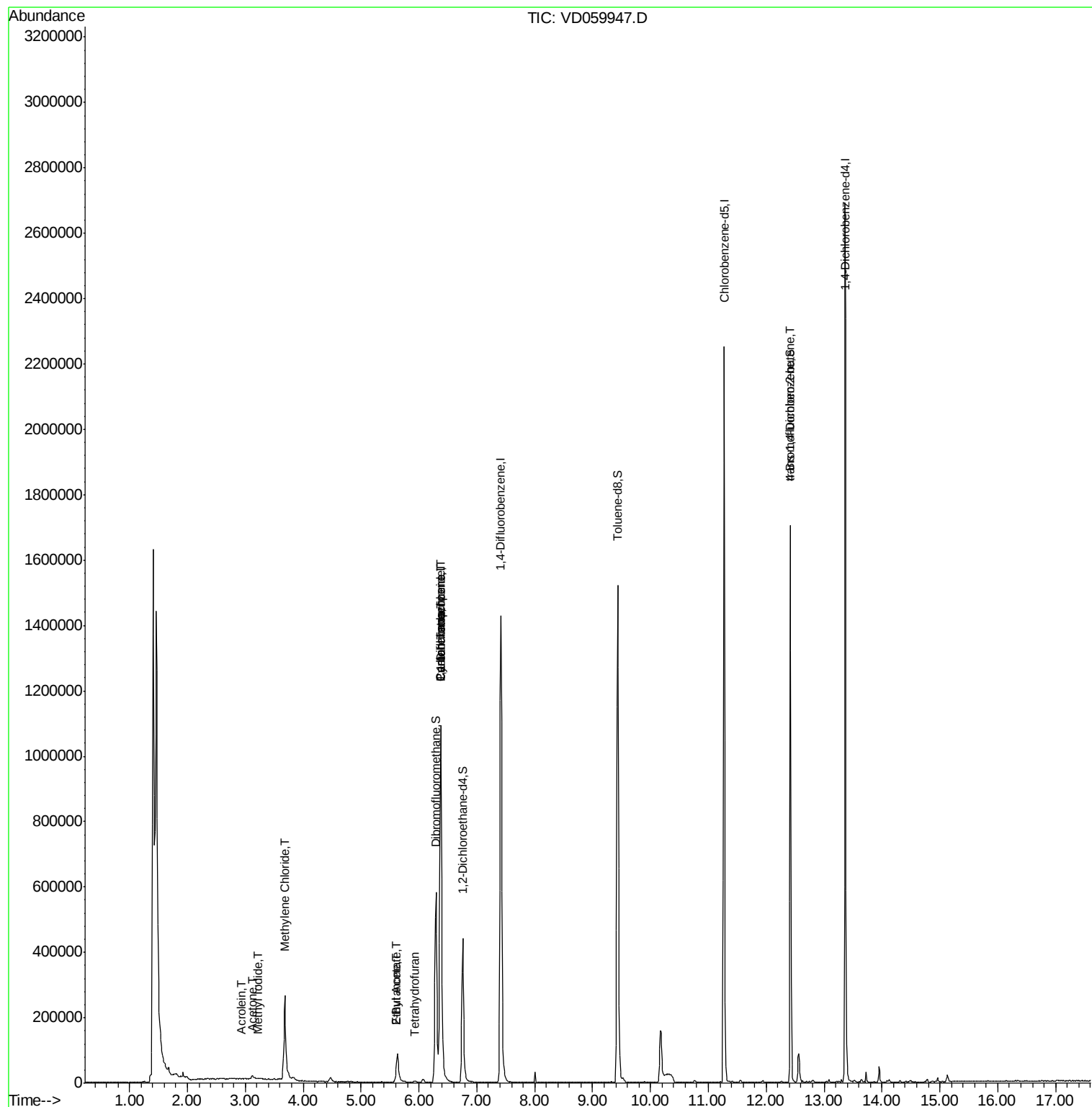
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.21	142	680	3.59	ug/l #	70
13) Acrolein	2.95	56	540	1.83	ug/l	93
16) Acetone	3.13	43	18997	11.72	ug/l #	88
20) Methylene Chloride	3.69	84	134429	9.40	ug/l	97
25) 2-Butanone	5.60	43	12699	2.64	ug/l #	63
29) Tetrahydrofuran	5.93	42	3167	1.39	ug/l #	70
31) Cyclohexane	6.37	56	19430	1.15	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	72036	5.54	ug/l #	47
37) Ethyl Acetate	5.60	43	12699	1.26	ug/l #	86
38) Carbon Tetrachloride	6.37	117	83695	6.38	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	194973	60.93	ug/l #	12
89) n-Butylbenzene	13.64	91	2986	Below Cal	#	80

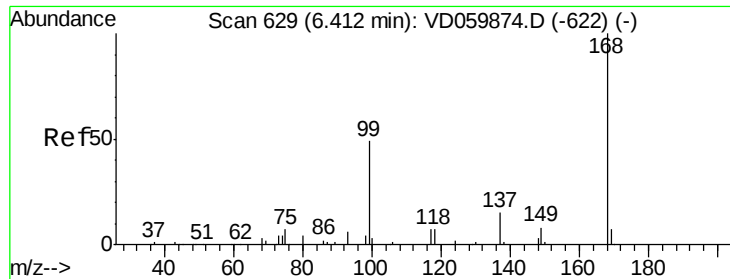
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

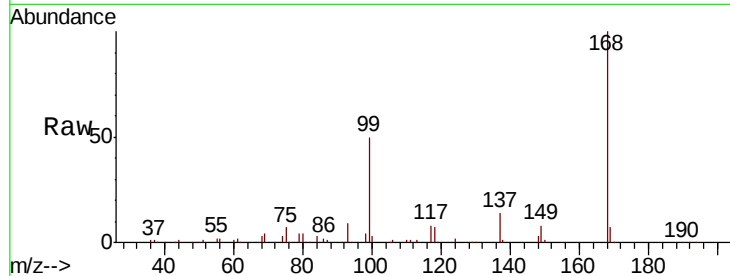
EP1-SUT-BOILER

Tot Ion:168 Resp: 1055946

Ion Ratio Lower Upper

168 100

99 50.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.37

400000

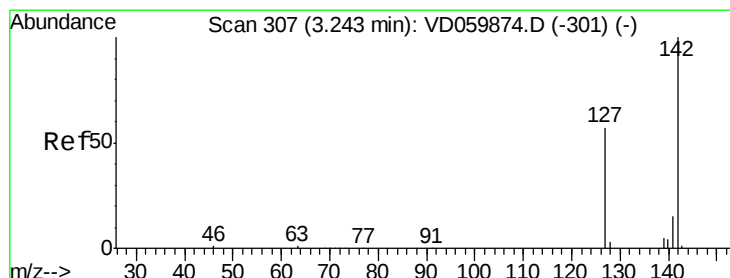
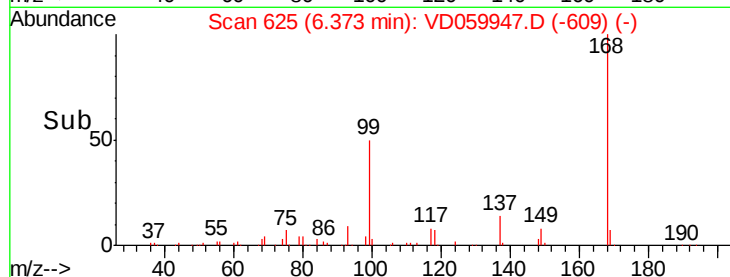
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.59 ug/l

RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

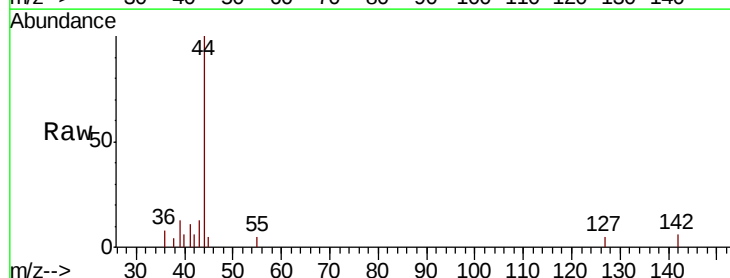
Tgt Ion:142 Resp: 680

Ion Ratio Lower Upper

142 100

127 78.2 45.8 68.6#

141 0.0 11.6 17.4#



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

3.21

600

500

400

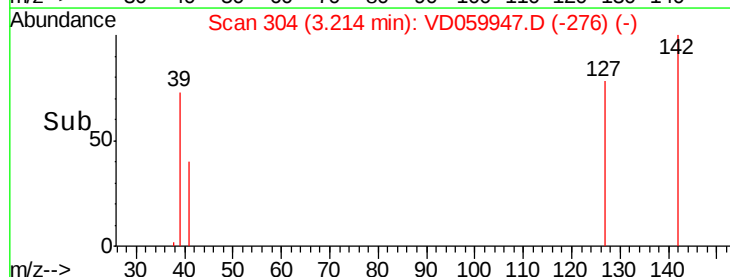
300

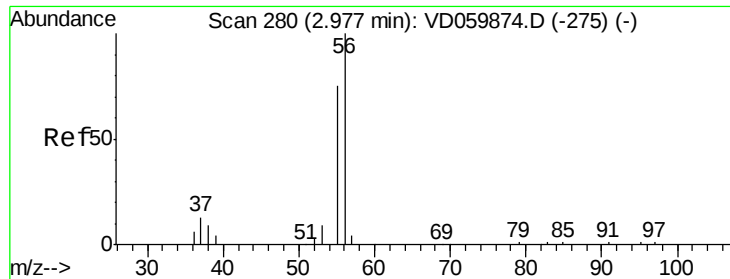
200

100

0

Time--> 3.20 3.25





#13

Acrolein

Concen: 1.83 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.03 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

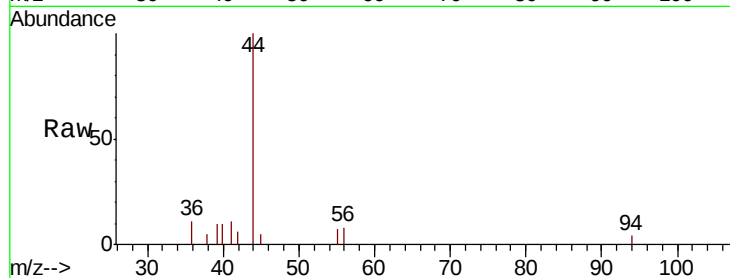
EP1-SUT-BOILER

Tot Ion: 56 Resp: 540

Ion Ratio Lower Upper

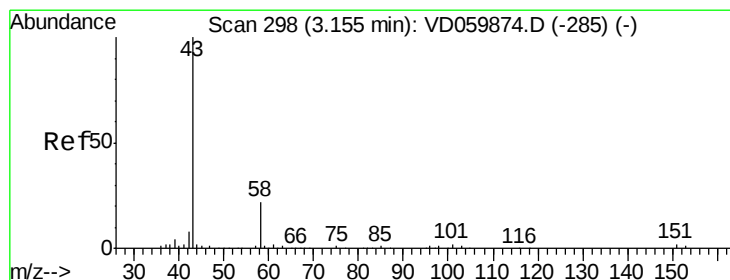
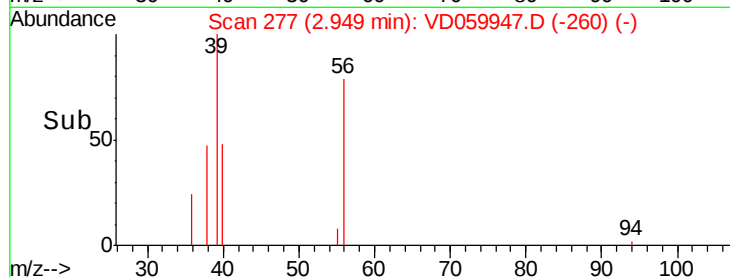
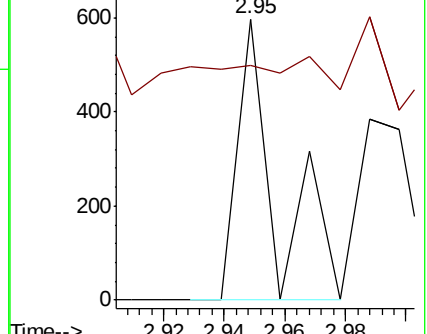
56 100

55 83.6 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 11.72 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059947.D

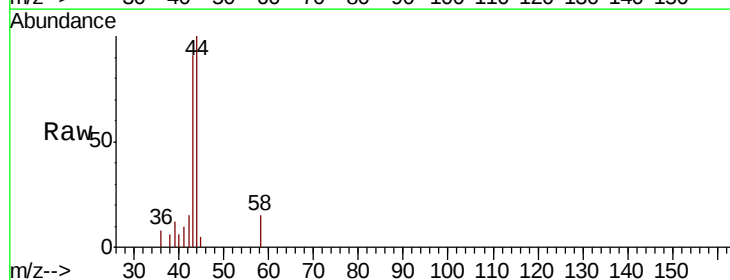
Acq: 4 Sep 2018 16:29

Tgt Ion: 43 Resp: 18997

Ion Ratio Lower Upper

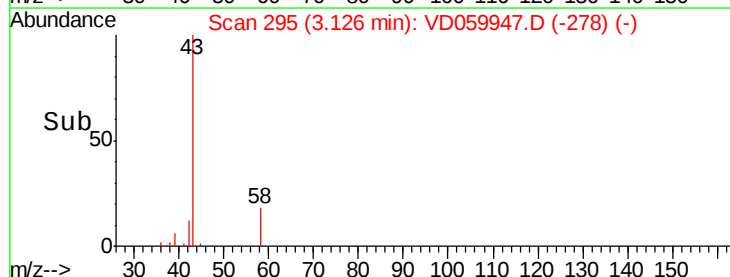
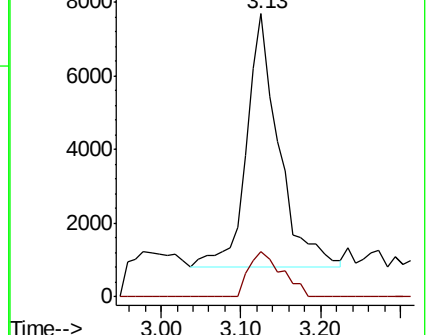
43 100

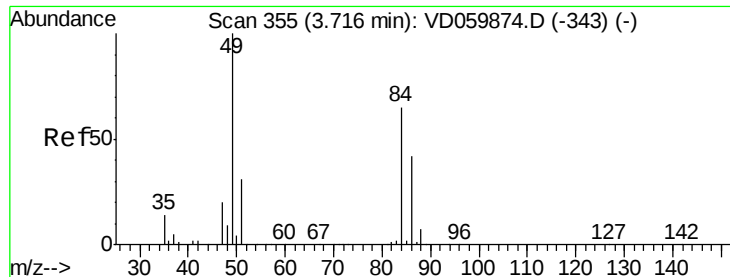
58 16.1 17.6 26.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

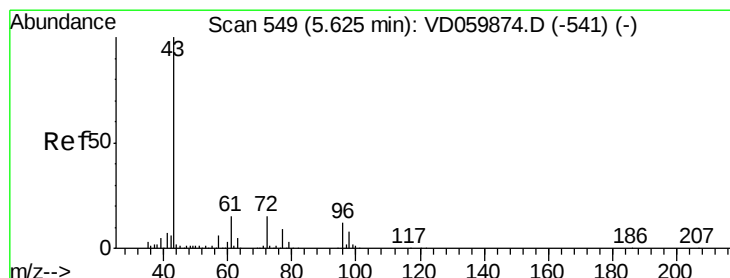
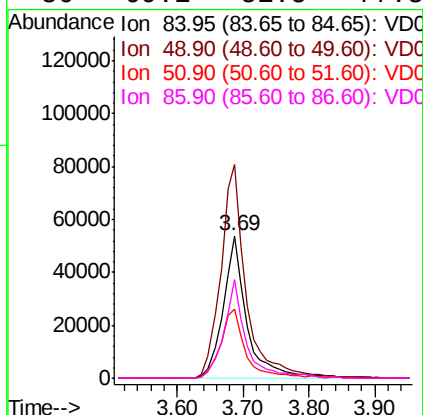
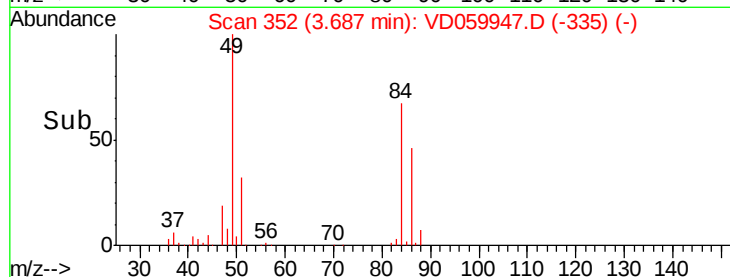
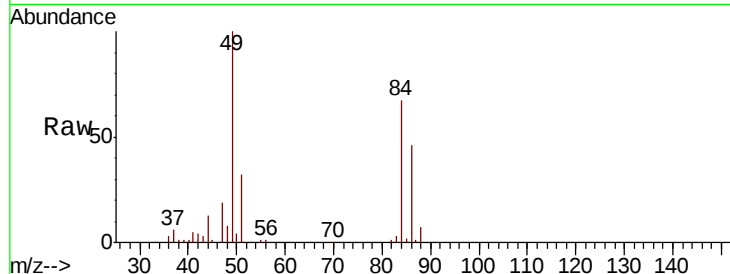




#20
Methylene Chloride
Concen: 9.40 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.03 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

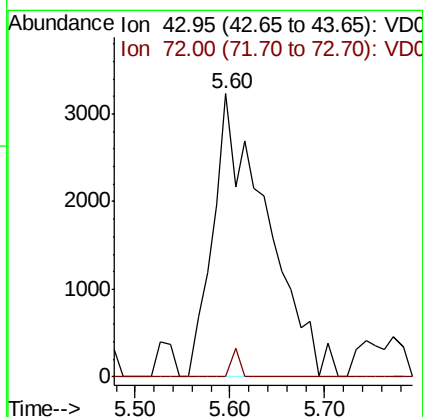
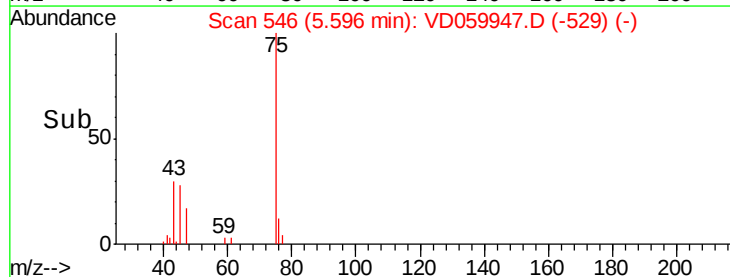
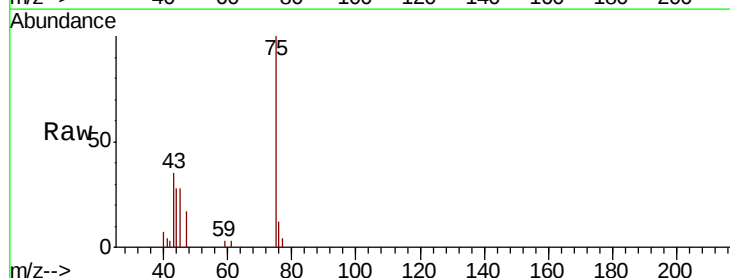
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-BOILER

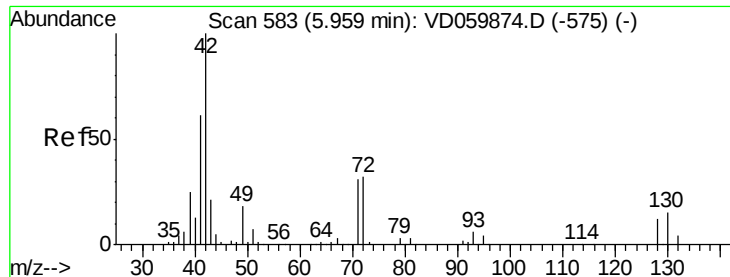
Tot Ion: 84 Resp: 134429
Ion Ratio Lower Upper
84 100
49 150.0 122.6 183.8
51 48.2 38.4 57.6
86 69.1 51.5 77.3



#25
2-Butanone
Concen: 2.64 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.03 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Tgt Ion: 43 Resp: 12699
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#





#29

Tetrahydrofuran

Concen: 1.39 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-BOILER

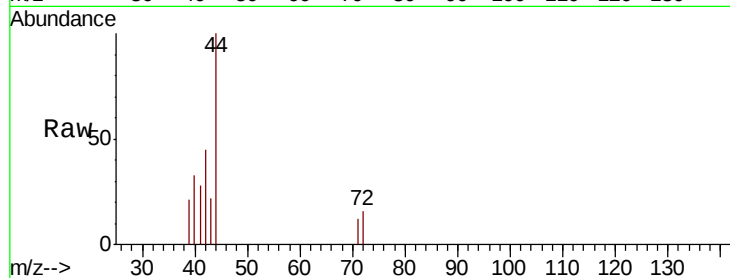
Tot Ion: 42 Resp: 3167

Ion Ratio Lower Upper

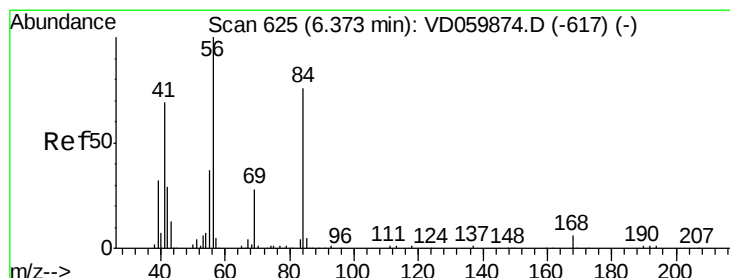
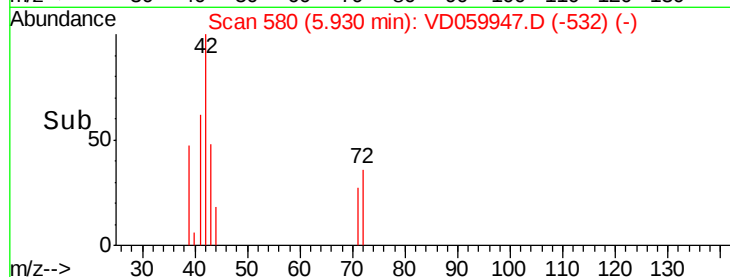
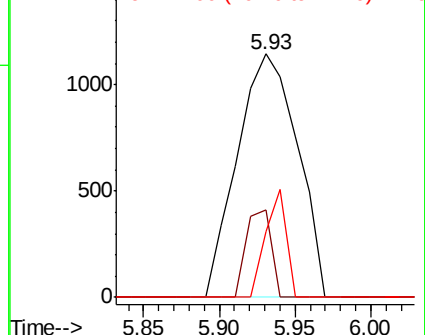
42 100

72 14.8 25.7 38.5#

71 15.2 25.3 37.9#



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: 1.15 ug/l

RT: 6.37 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

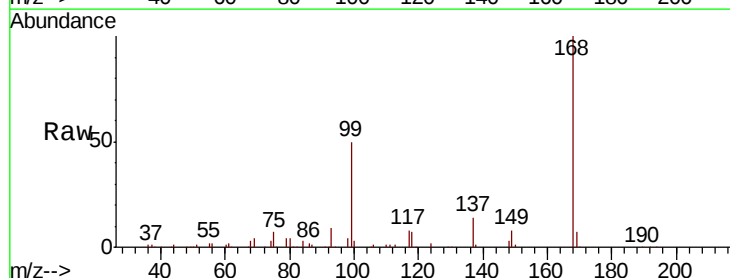
Tgt Ion: 56 Resp: 19430

Ion Ratio Lower Upper

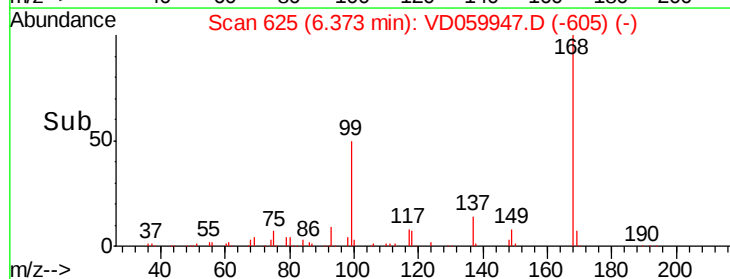
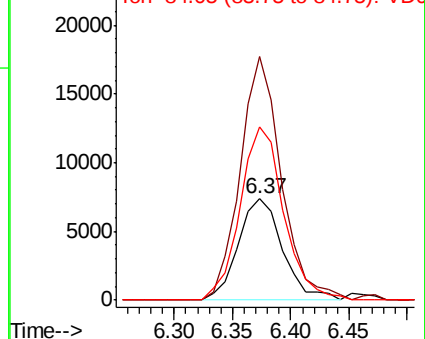
56 100

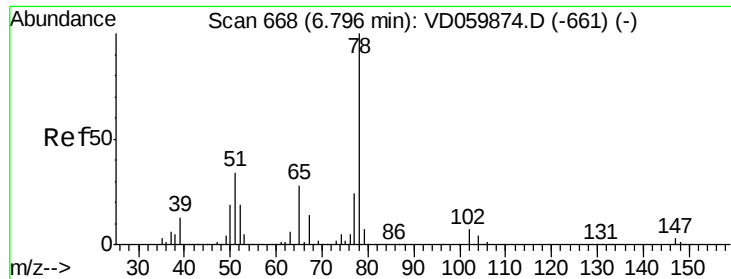
69 240.2 22.4 33.6#

84 170.8 62.1 93.1#



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: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

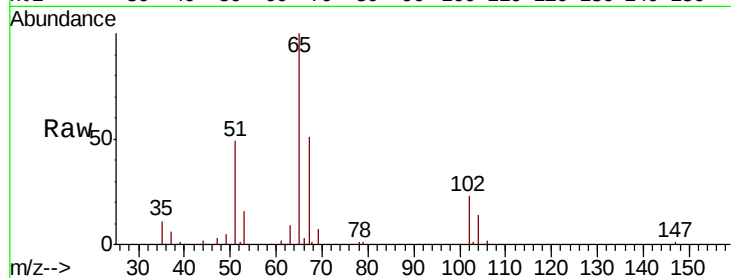
EP1-SUT-BOILER

Tot Ion: 65 Resp: 341867

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

100000

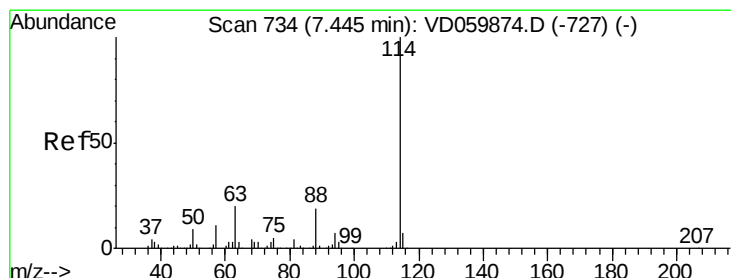
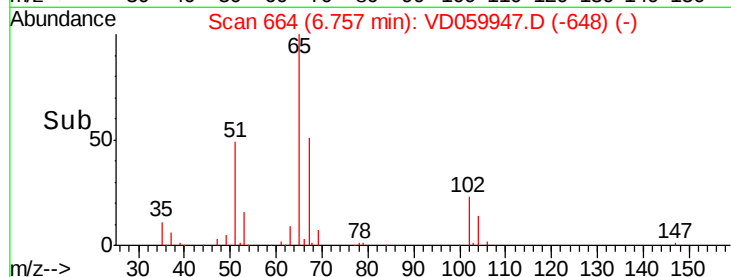
50000

0

6.76

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

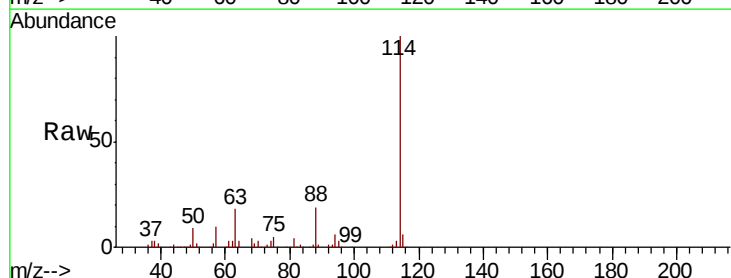
Tgt Ion: 114 Resp: 1433757

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.4

88 18.7 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

400000

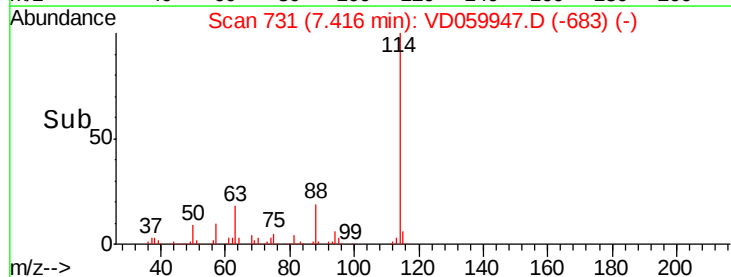
200000

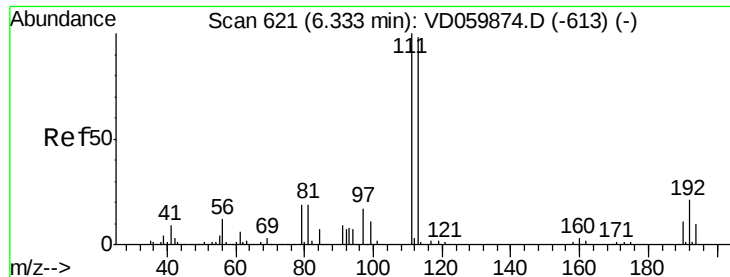
0

7.42

7.30 7.40 7.50 7.60 7.70

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

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ClientSampleId :

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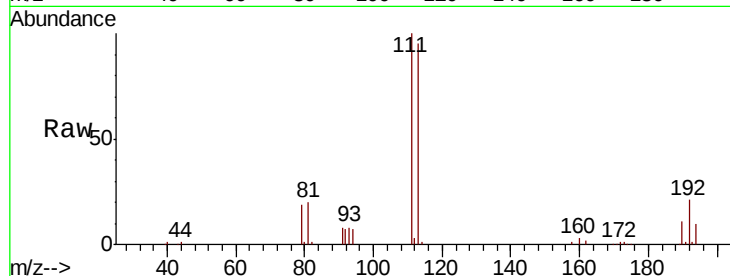
Tot Ion:113 Resp: 446808

Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.2

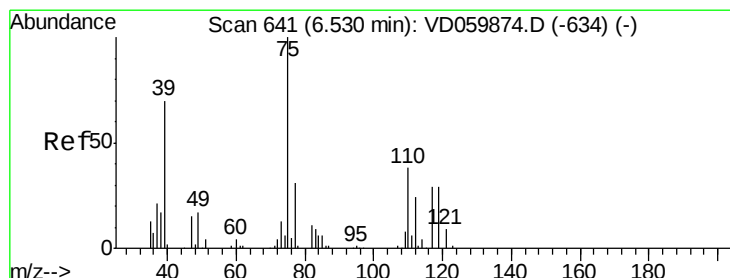
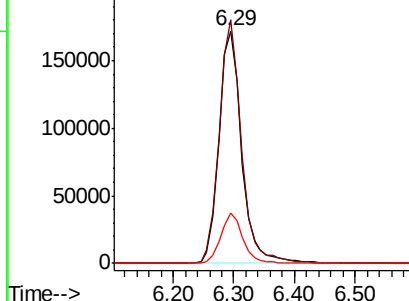
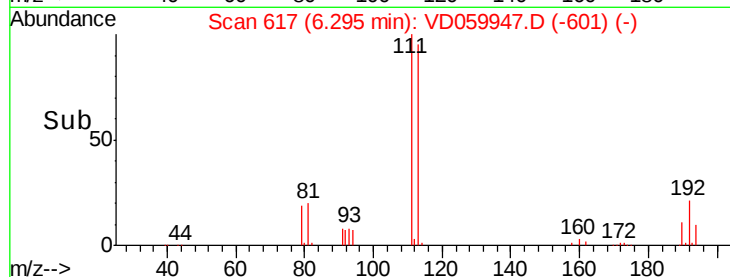
192 21.8 17.0 25.6



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: 5.54 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.16 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

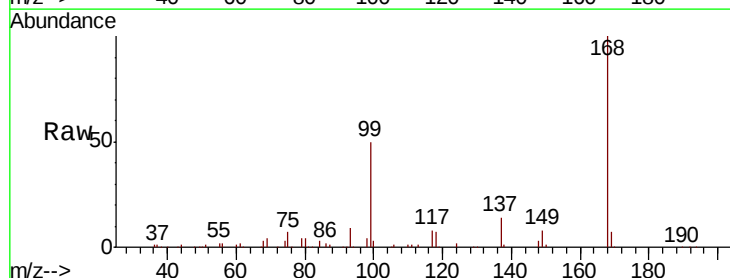
Tgt Ion: 75 Resp: 72036

Ion Ratio Lower Upper

75 100

110 7.0 18.6 56.0#

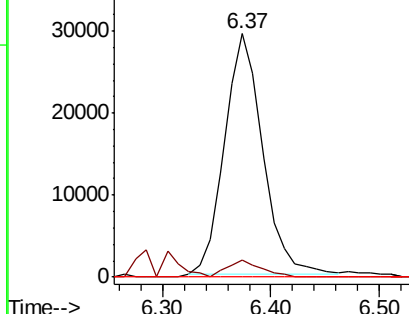
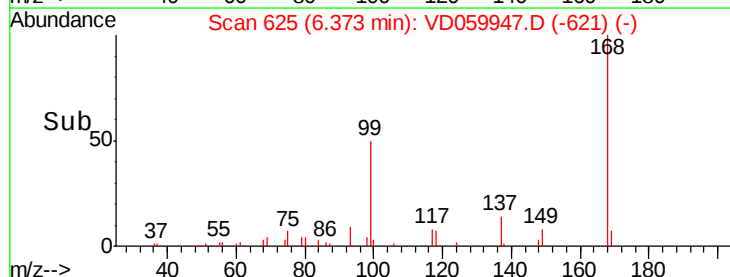
77 0.0 25.1 37.7#

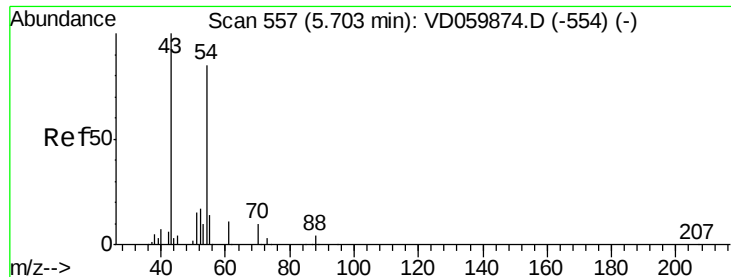


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

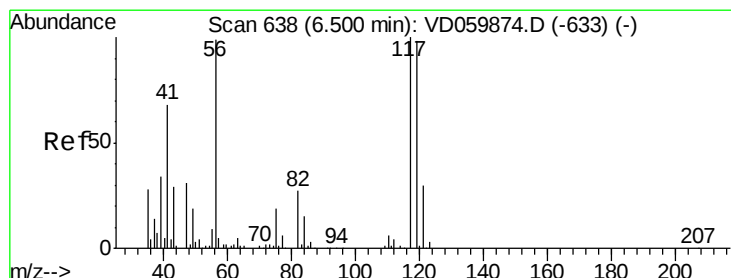
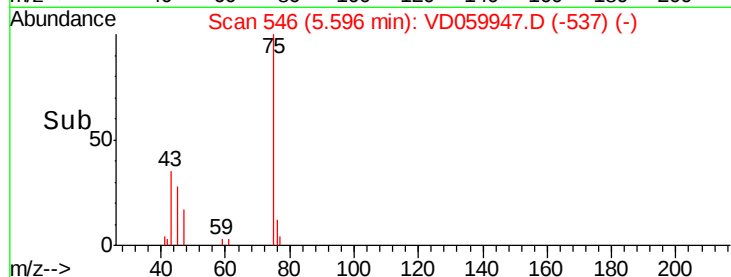
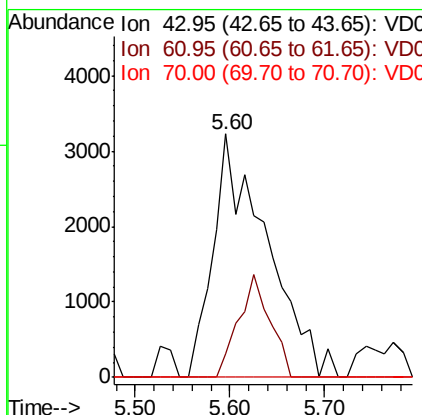
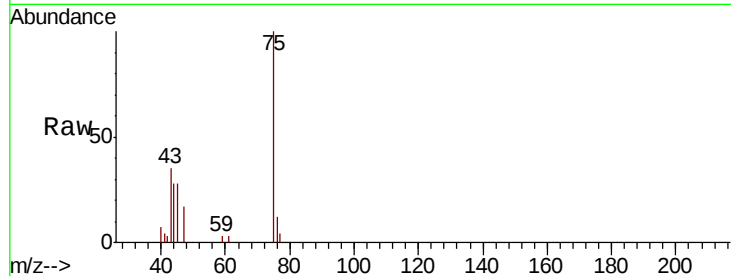




#37
Ethyl Acetate
Concen: 1.26 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.11 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

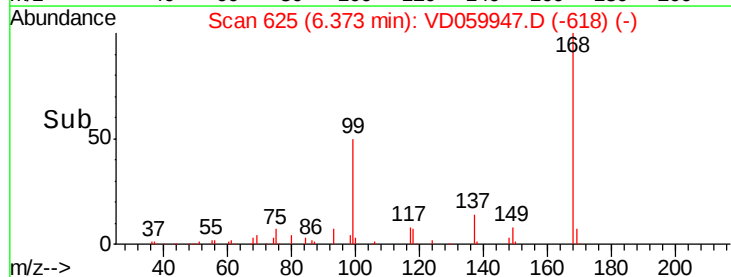
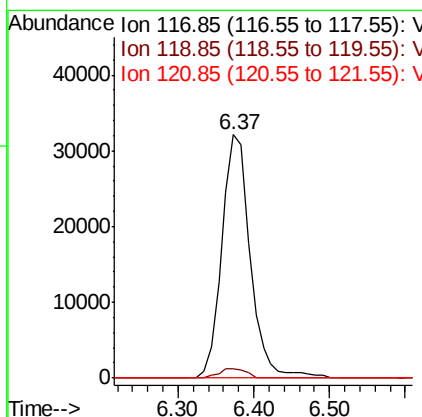
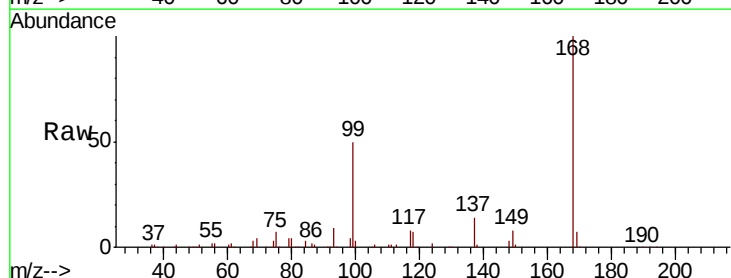
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-BOILER

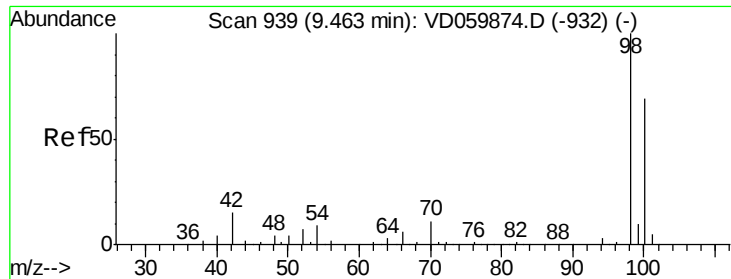
Tot Ion: 43 Resp: 12699
Ion Ratio Lower Upper
43 100
61 9.5 11.0 16.6#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 6.37 min Scan# 625
Delta R.T. -0.13 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Tgt Ion: 117 Resp: 83695
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 24.0 36.0#

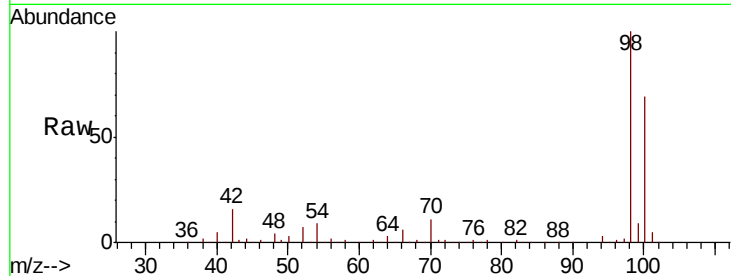




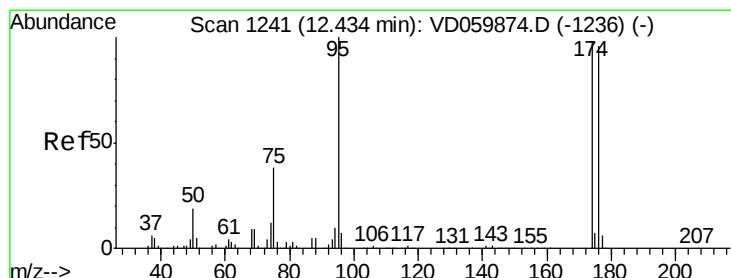
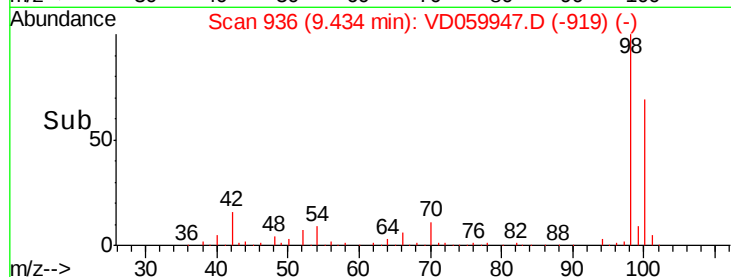
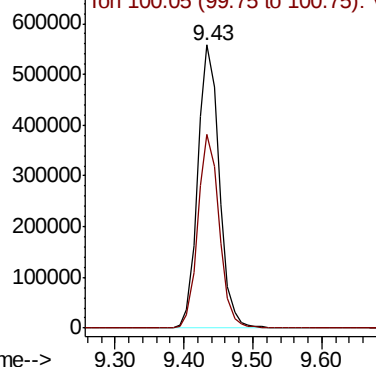
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-BOILER

Tot Ion: 98 Resp: 1205454
Ion Ratio Lower Upper
98 100
100 68.5 55.8 83.6

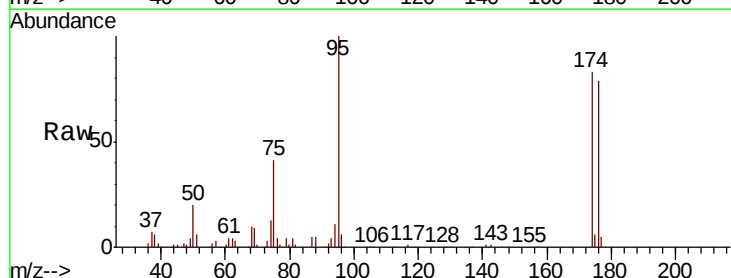


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

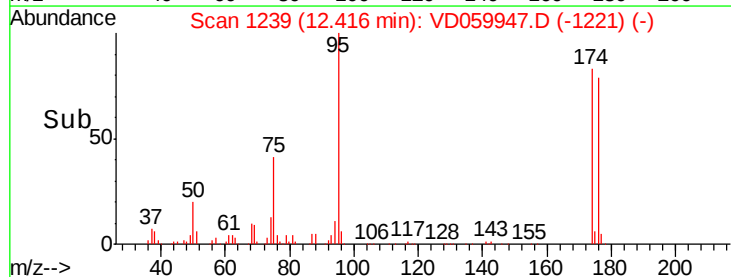
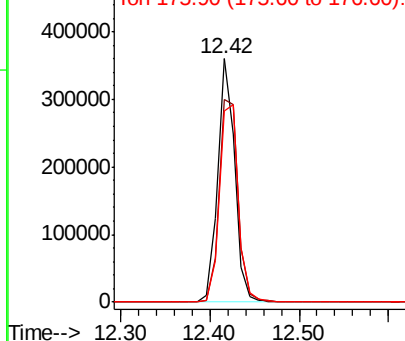


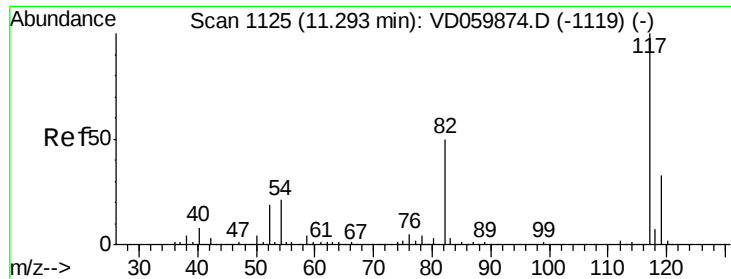
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Tgt Ion: 95 Resp: 479367
Ion Ratio Lower Upper
95 100
174 83.0 0.0 195.6
176 78.7 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

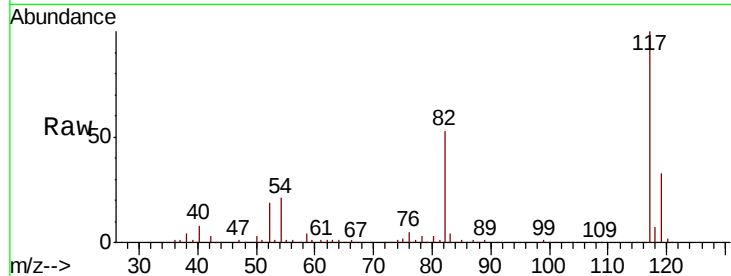




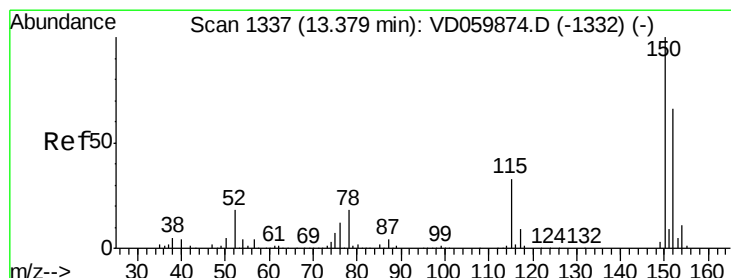
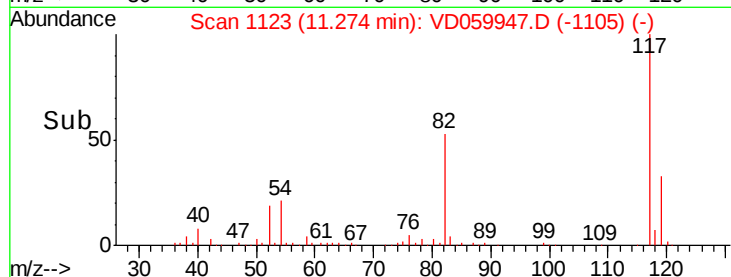
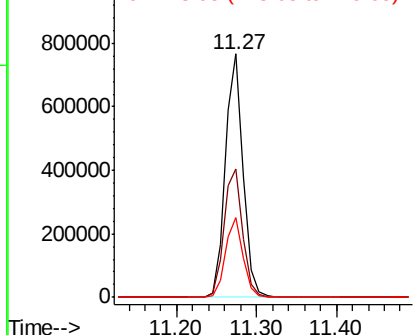
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-BOILER

Tot Ion:117 Resp: 1204539
Ion Ratio Lower Upper
117 100
82 52.7 40.1 60.1
119 32.9 26.7 40.1

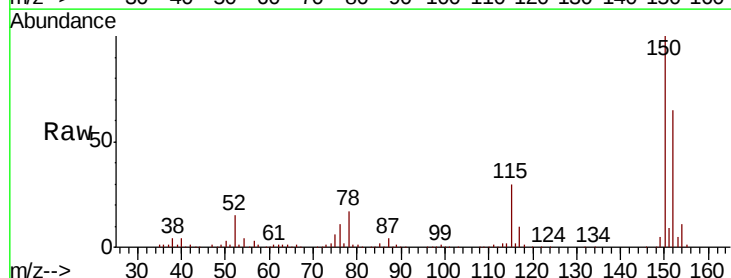


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

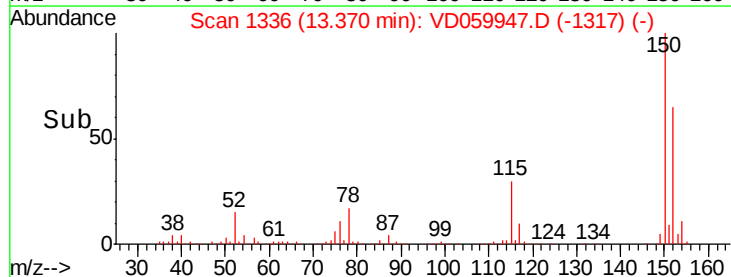
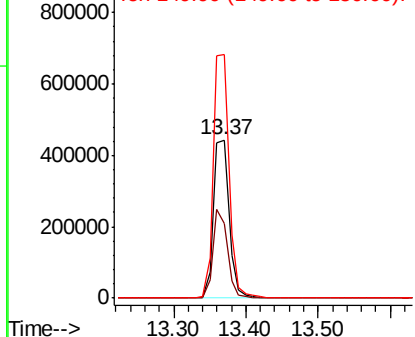


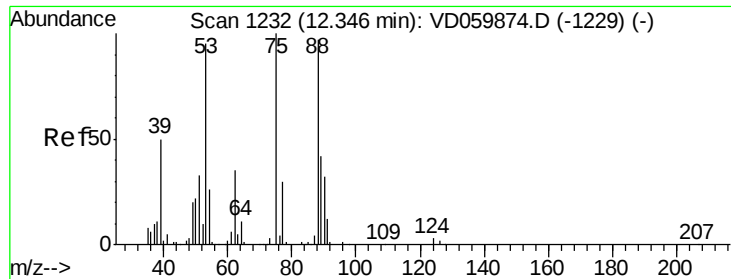
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059947.D
Acq: 4 Sep 2018 16:29

Tgt Ion:152 Resp: 661900
Ion Ratio Lower Upper
152 100
115 46.8 25.7 77.0
150 153.6 0.0 310.2



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: 60.93 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059947.D

Acq: 4 Sep 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-BOILER

Tot Ion: 75 Resp: 194973

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

