

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059957.D
 Acq On : 4 Sep 2018 21:14
 Operator : JC/SY
 Sample : J4724-11
 Misc : 5.99g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-10

Quant Time: Sep 05 03:55:27 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	870492	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1183234	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1026626	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	581727	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	390672	53.25	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	6.28	113	497208	53.60	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	107.20%	
50) Toluene-d8	9.43	98	1346959	52.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.42	95	530018	50.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.38%	

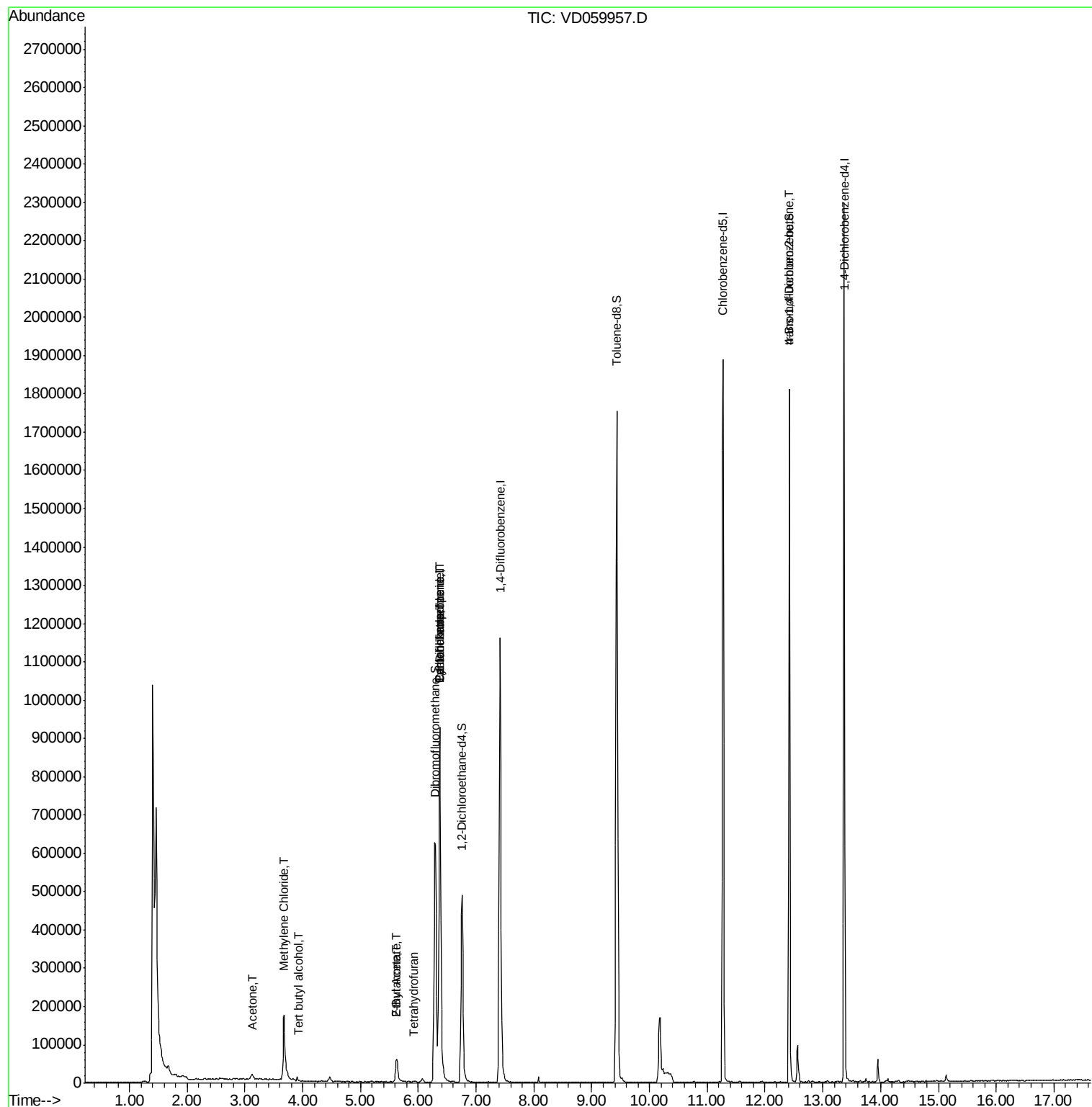
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.92	59	1192	2.13	ug/l #	75
16) Acetone	3.13	43	22270	16.66	ug/l	93
20) Methylene Chloride	3.68	84	89784	6.85	ug/l	90
25) 2-Butanone	5.61	43	11572	2.92	ug/l #	63
29) Tetrahydrofuran	5.92	42	2432	1.29	ug/l #	43
31) Cyclohexane	6.37	56	16673	1.19	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	60858	5.67	ug/l #	46
37) Ethyl Acetate	5.61	43	11572	1.39	ug/l #	91
38) Carbon Tetrachloride	6.37	117	69148	6.39	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	221125	78.62	ug/l #	12
89) n-Butylbenzene	13.65	91	937	Below Cal	#	77

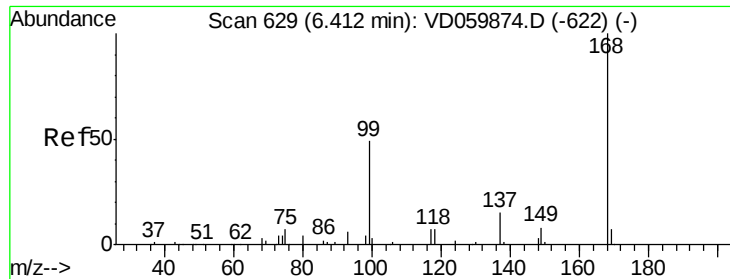
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090418\
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Quant Title : SW846 8260
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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: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

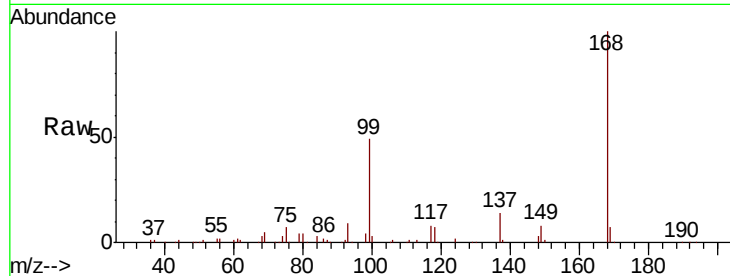
EP1-SUT-UST-10

Tot Ion:168 Resp: 870492

Ion Ratio Lower Upper

168 100

99 48.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

400000

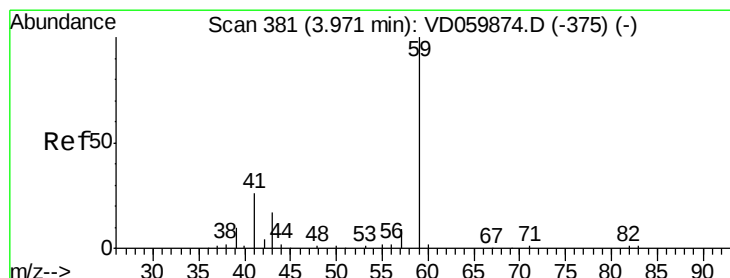
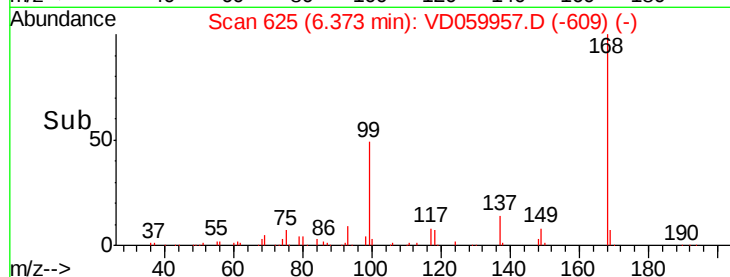
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#11

Tert butyl alcohol

Concen: 2.13 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.05 min

Lab File: VD059957.D

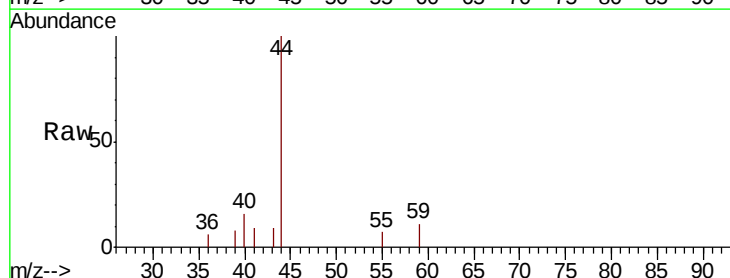
Acq: 4 Sep 2018 21:14

Tgt Ion: 59 Resp: 1192

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.92

600

500

400

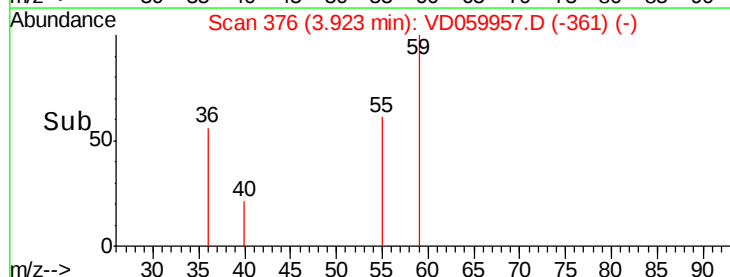
300

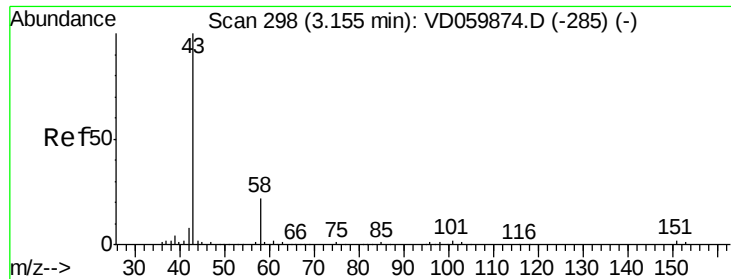
200

100

0

Time--> 3.90 3.95





#16

Acetone

Concen: 16.66 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

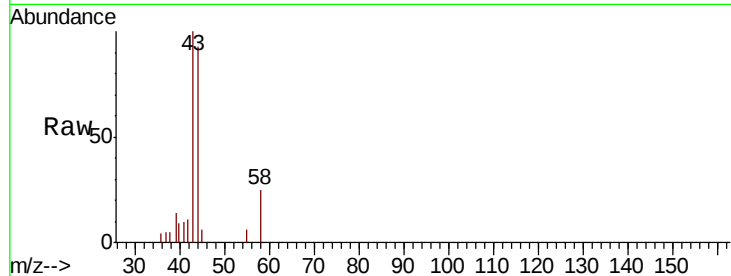
EP1-SUT-UST-10

Tot Ion: 43 Resp: 22270

Ion Ratio Lower Upper

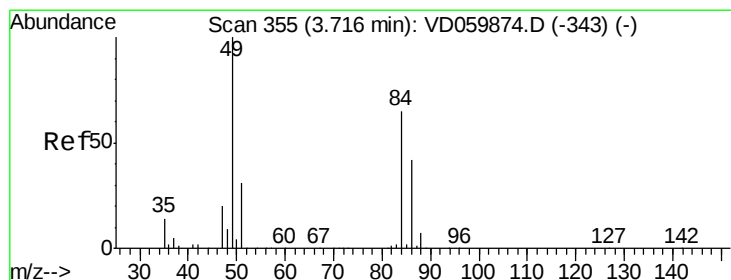
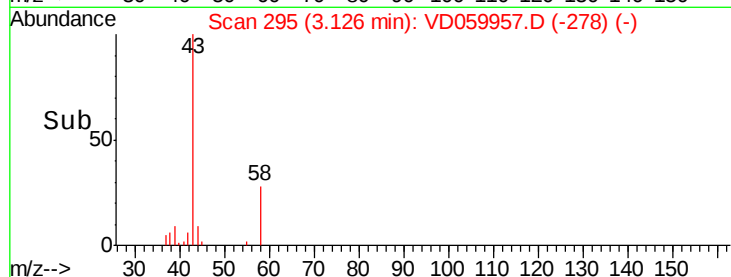
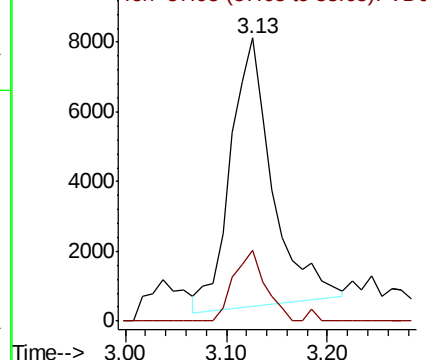
43 100

58 25.2 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: 6.85 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Tgt Ion: 84 Resp: 89784

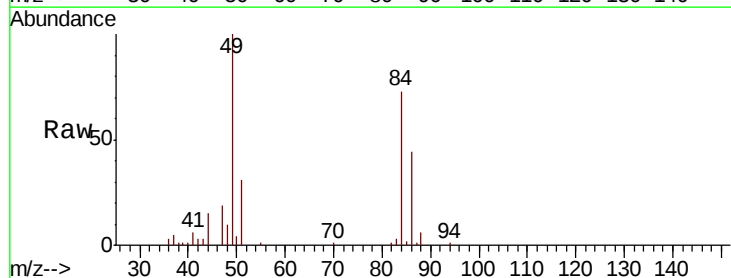
Ion Ratio Lower Upper

84 100

49 137.5 122.6 183.8

51 42.7 38.4 57.6

86 60.8 51.5 77.3

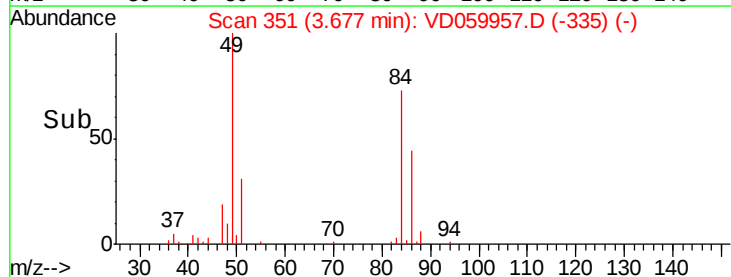
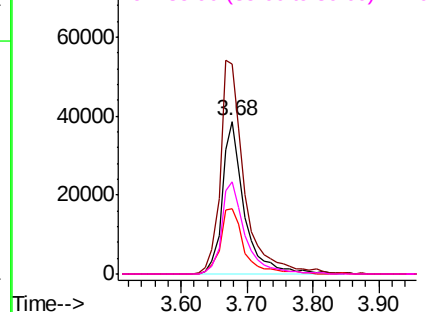


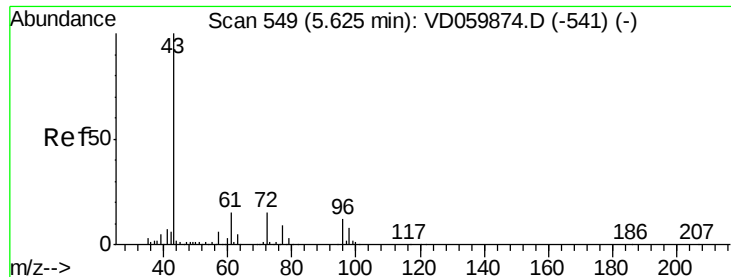
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.92 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

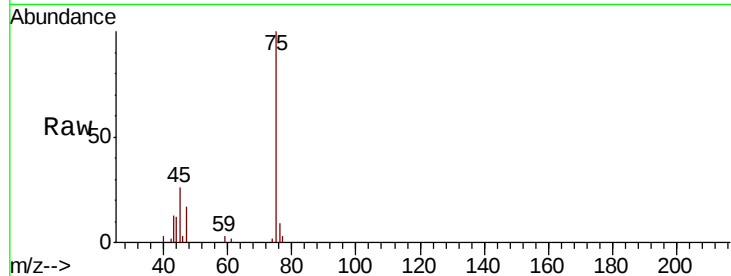
EP1-SUT-UST-10

Tot Ion: 43 Resp: 11572

Ion Ratio Lower Upper

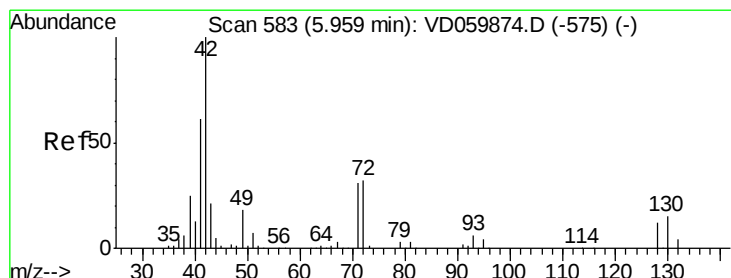
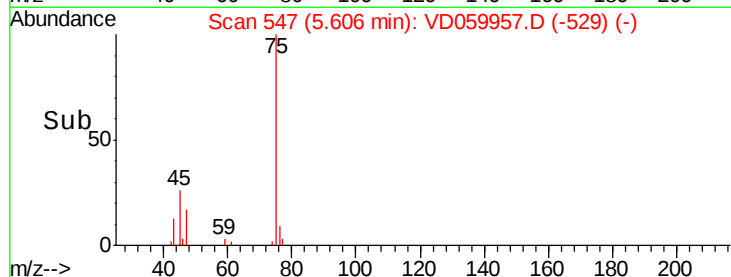
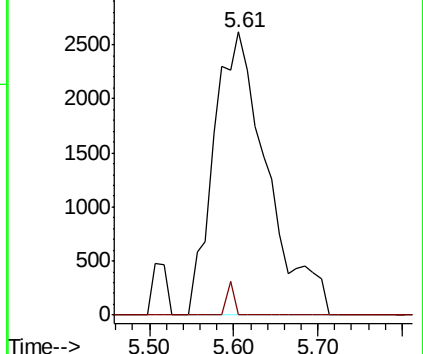
43 100

72 0.0 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.29 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

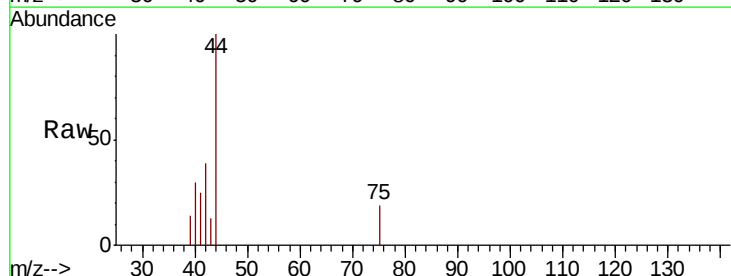
Tgt Ion: 42 Resp: 2432

Ion Ratio Lower Upper

42 100

72 0.0 25.7 38.5#

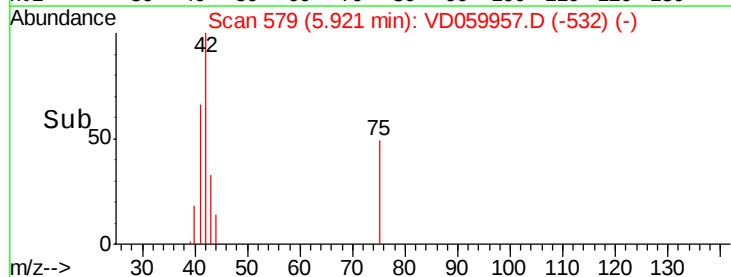
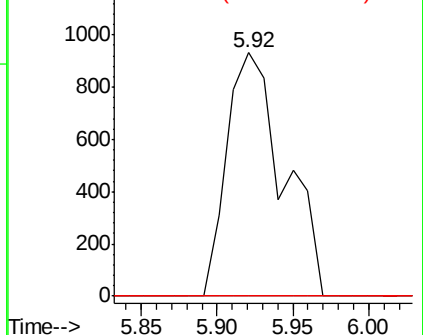
71 0.0 25.3 37.9#

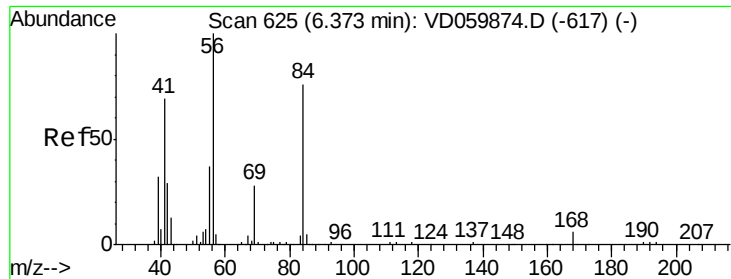


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

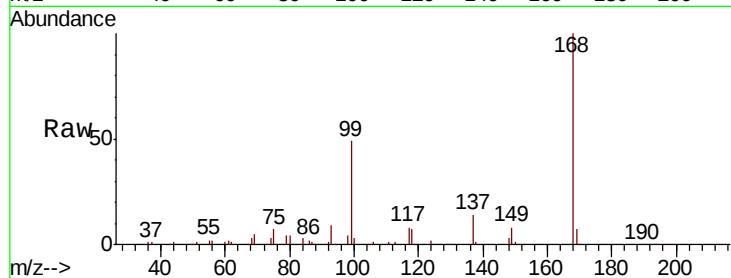




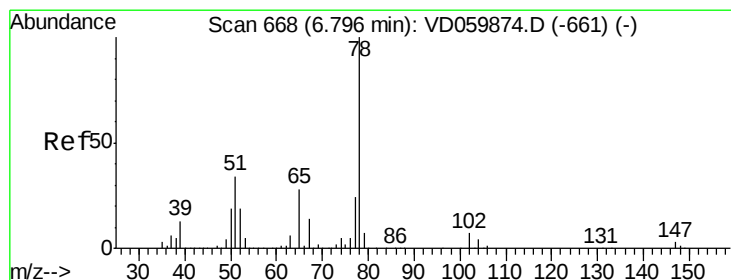
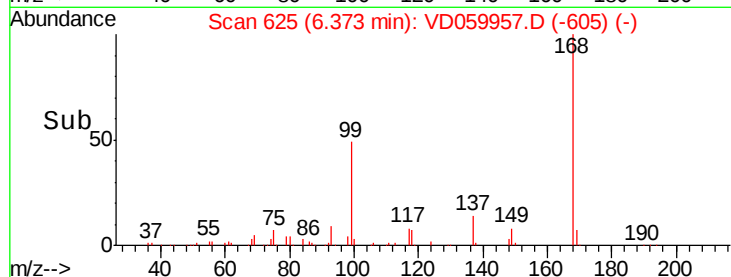
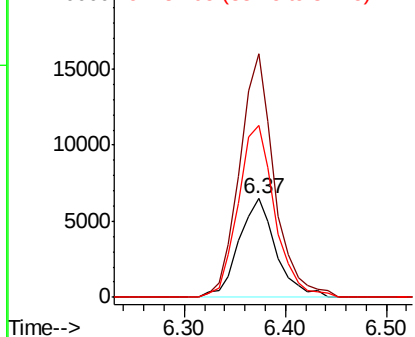
#31
Cyclohexane
Concen: 1.19 ug/l
RT: 6.37 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059957.D
Acq: 4 Sep 2018 21:14

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-10

Tot Ion: 56 Resp: 16673
Ion Ratio Lower Upper
56 100
69 247.1 22.4 33.6#
84 174.2 62.1 93.1#

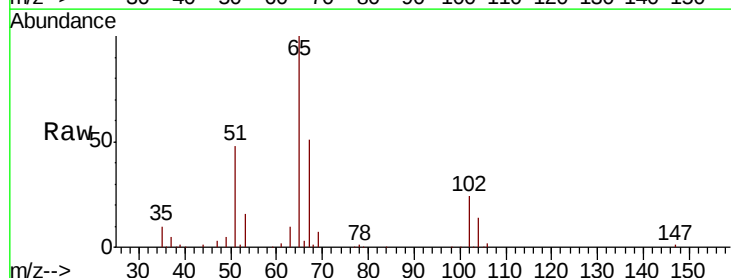


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

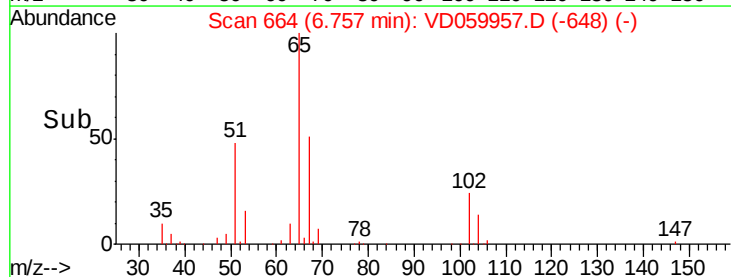
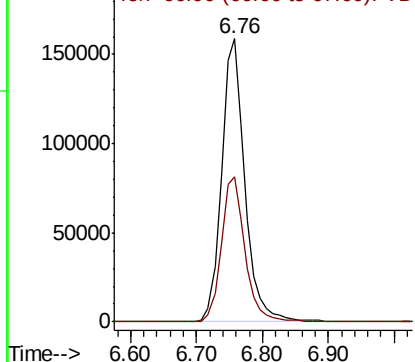


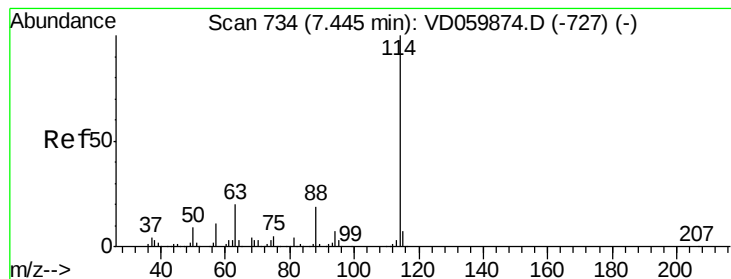
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059957.D
Acq: 4 Sep 2018 21:14

Tgt Ion: 65 Resp: 390672
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-10

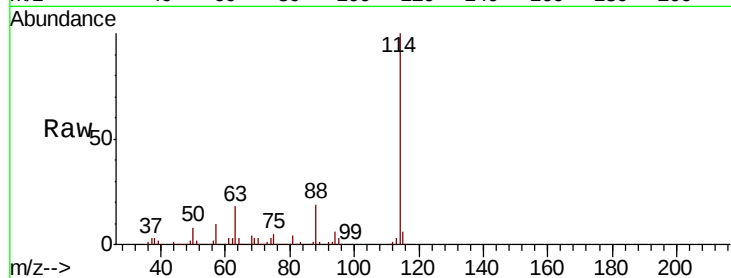
Tot Ion:114 Resp: 1183234

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

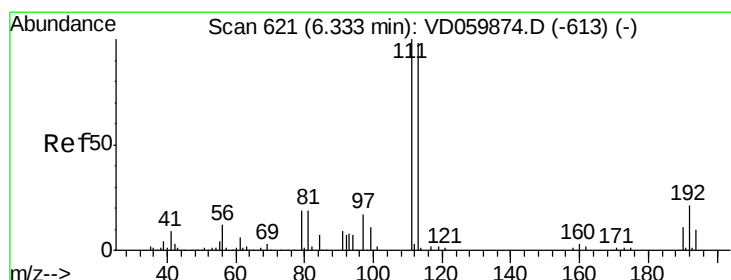
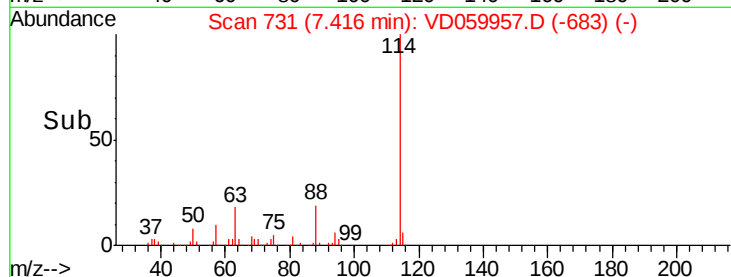
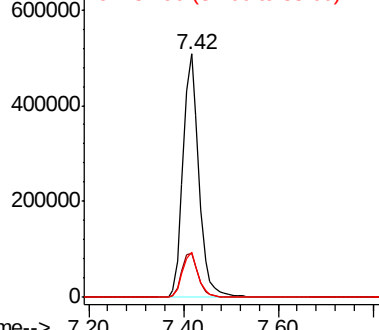
88 18.8 0.0 37.6



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: 50.00 ug/l

RT: 6.28 min Scan# 616

Delta R.T. -0.05 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

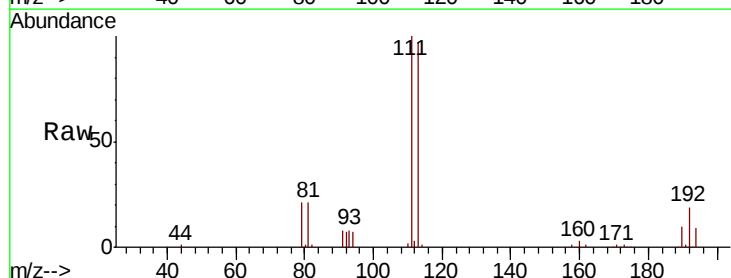
Tgt Ion:113 Resp: 497208

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.2

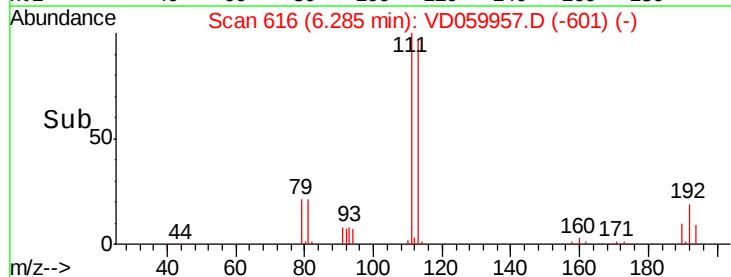
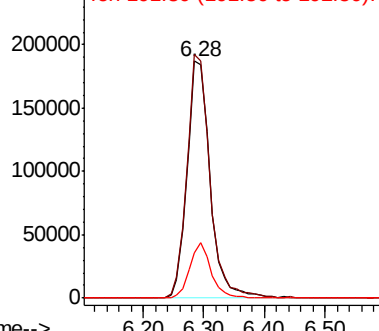
192 19.2 17.0 25.6

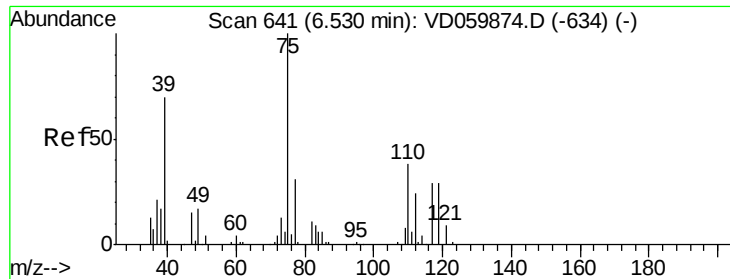


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

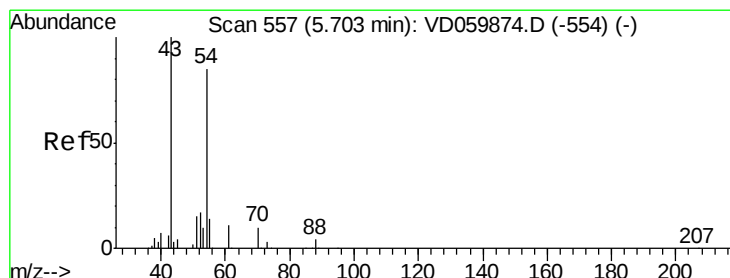
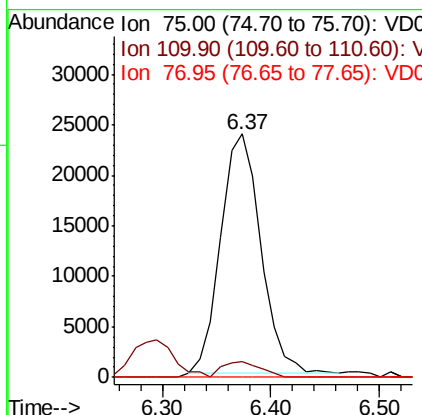
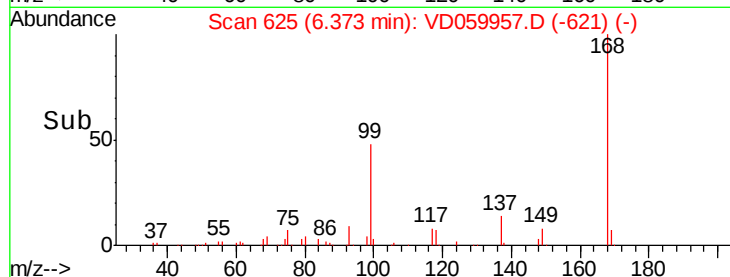
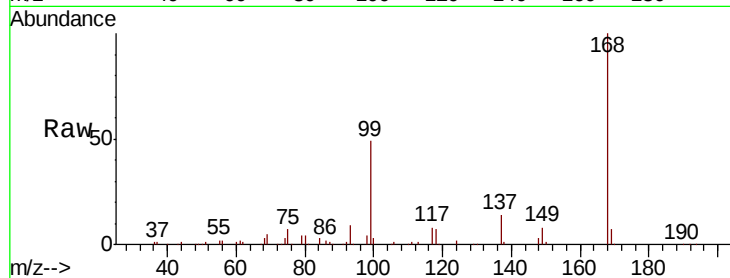




#36
 1,1-Dichloropropene
 Concen: 5.67 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059957.D
 Acq: 4 Sep 2018 21:14

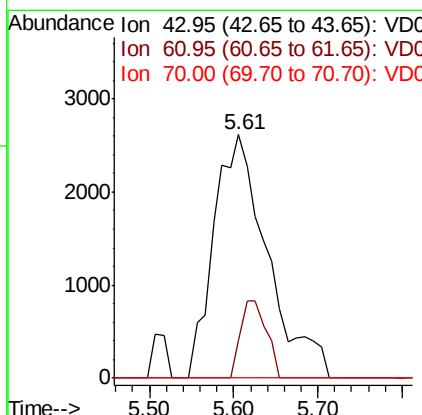
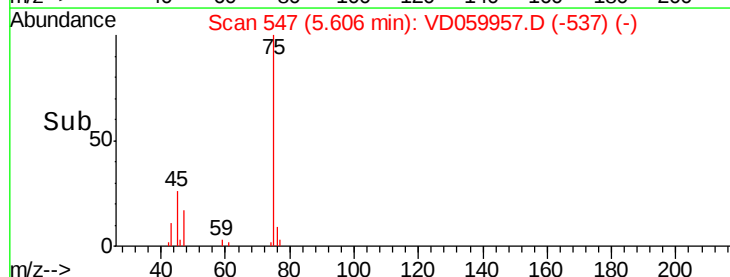
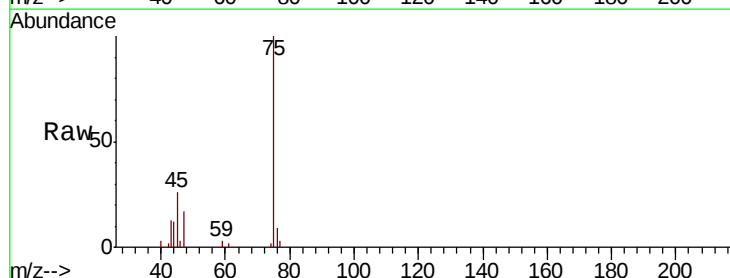
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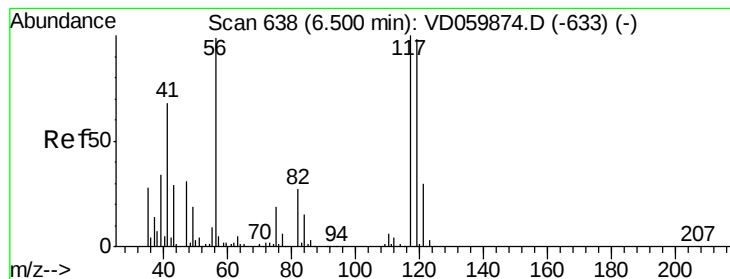
Tot Ion: 75 Resp: 60858
 Ion Ratio Lower Upper
 75 100
 110 6.5 18.6 56.0#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.39 ug/l
 RT: 5.61 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059957.D
 Acq: 4 Sep 2018 21:14

Tgt Ion: 43 Resp: 11572
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.0 16.6
 70 0.0 5.7 8.5#





#38

Carbon Tetrachloride

Concen: 6.39 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.13 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-10

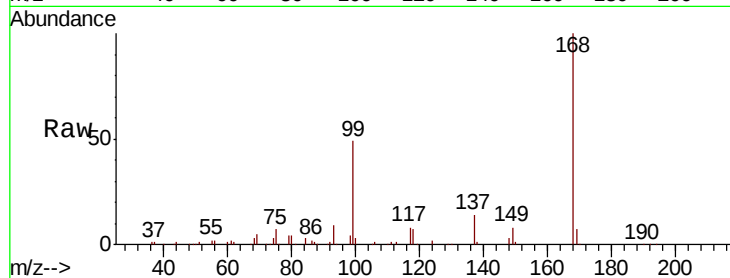
Tot Ion:117 Resp: 69148

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

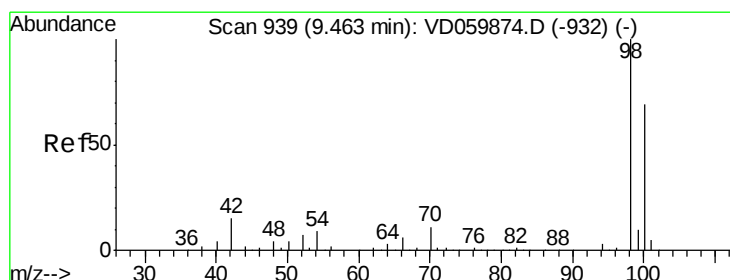
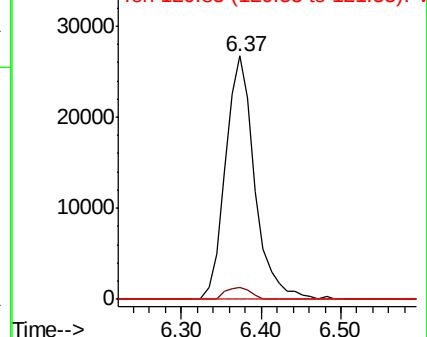
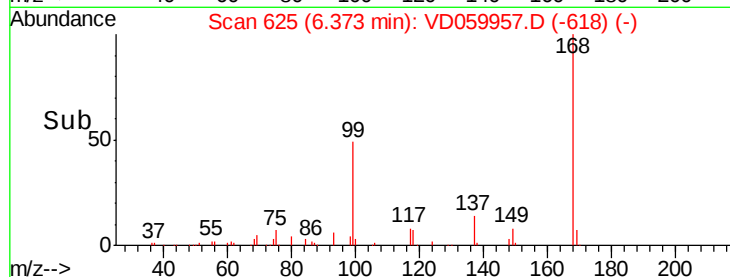
121 0.0 24.0 36.0#



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: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059957.D

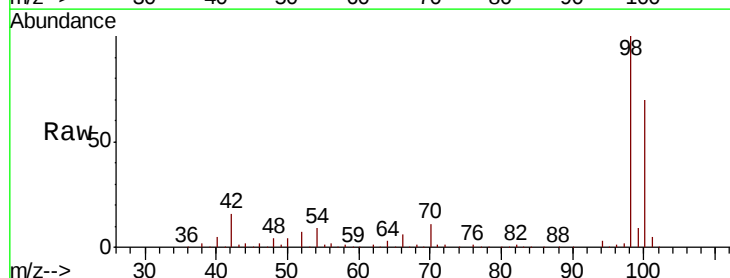
Acq: 4 Sep 2018 21:14

Tgt Ion: 98 Resp: 1346959

Ion Ratio Lower Upper

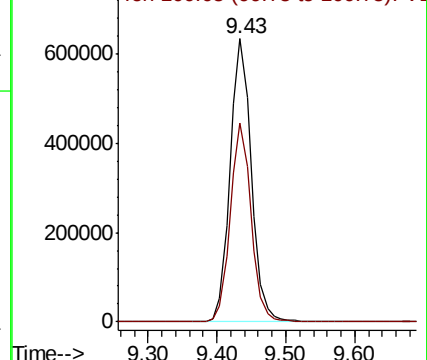
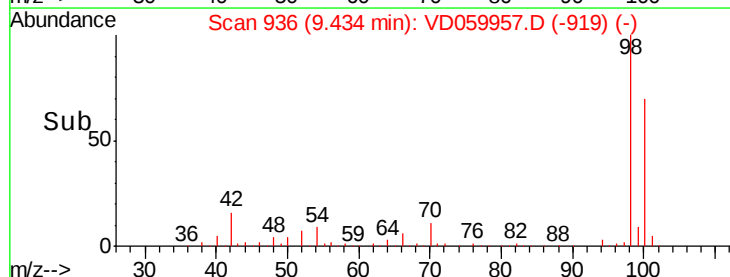
98 100

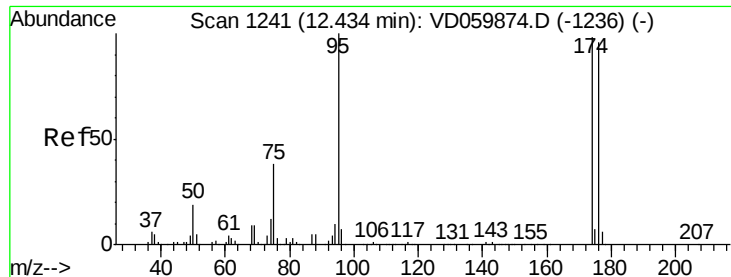
100 70.3 55.8 83.6



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: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-10

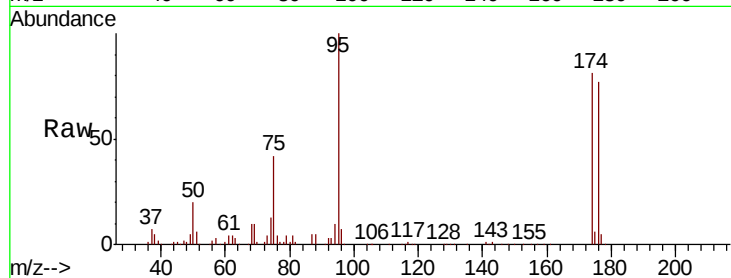
Tot Ion: 95 Resp: 530018

Ion Ratio Lower Upper

95 100

174 80.8 0.0 195.6

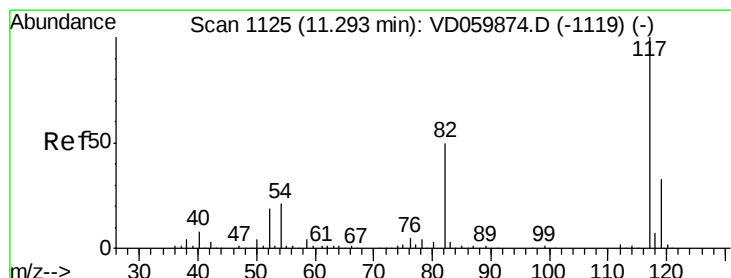
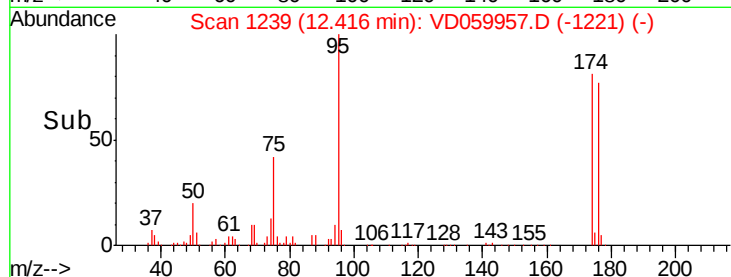
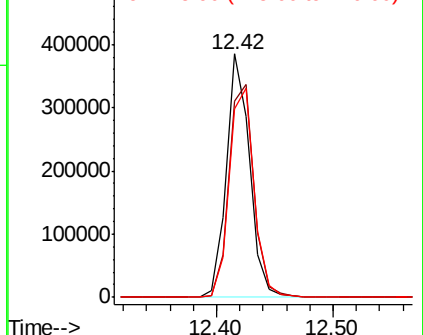
176 77.4 0.0 191.2



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: 50.00 ug/l

RT: 11.27 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

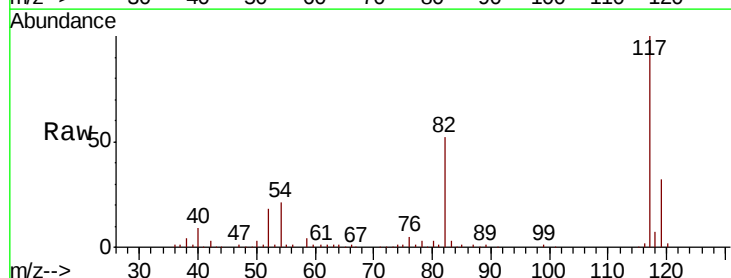
Tgt Ion: 117 Resp: 1026626

Ion Ratio Lower Upper

117 100

82 52.4 40.1 60.1

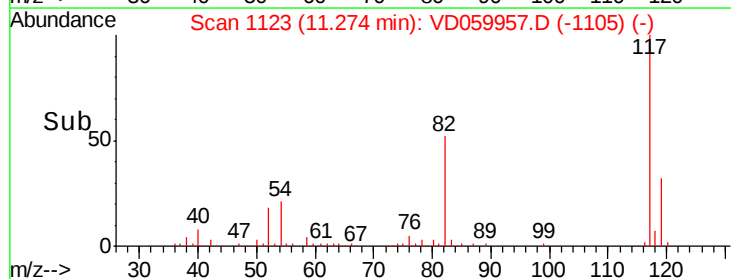
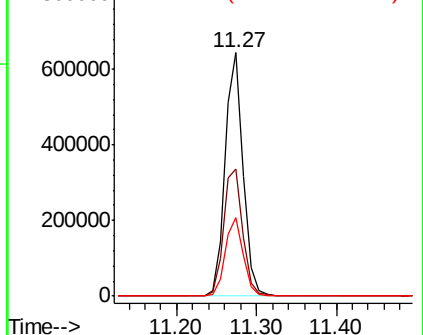
119 32.4 26.7 40.1

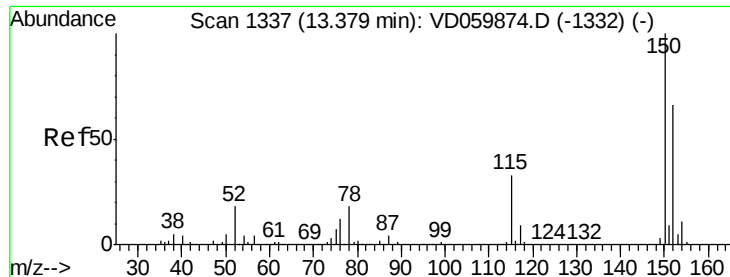


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD059957.D

Acq: 4 Sep 2018 21:14

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-10

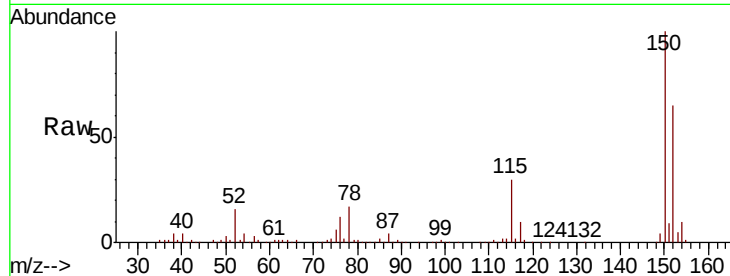
Tot Ion:152 Resp: 581727

Ion Ratio Lower Upper

152 100

115 46.4 25.7 77.0

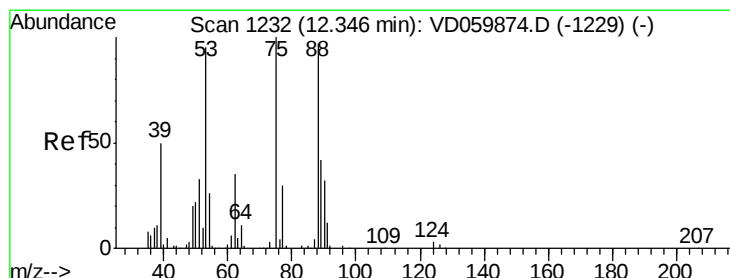
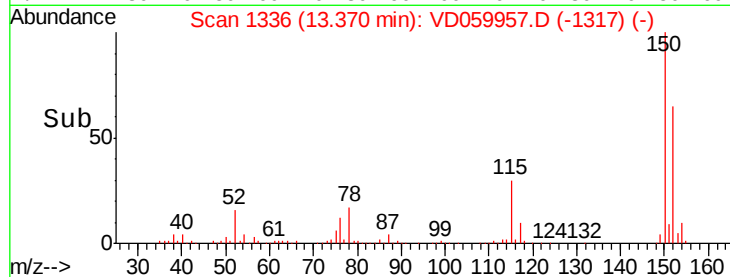
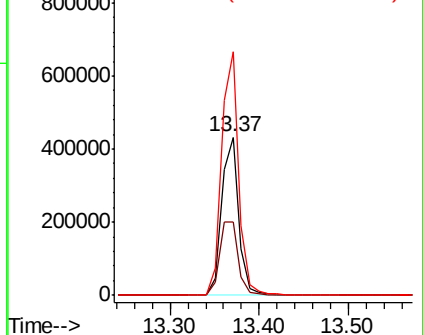
150 154.2 0.0 310.2



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: 78.62 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059957.D

Acq: 4 Sep 2018 21:14

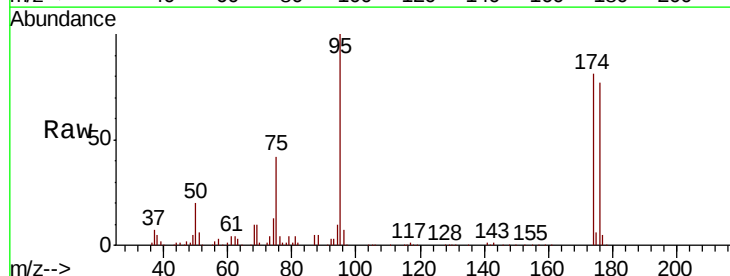
Tgt Ion: 75 Resp: 221125

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

