

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059953.D
 Acq On : 4 Sep 2018 19:20
 Operator : JC/SY
 Sample : J4724-07
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-06

Quant Time: Sep 05 03:54:41 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	6.39	168	1042467	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1455192	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1224423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	680503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	381822	43.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	86.92%	
35) Dibromofluoromethane	6.30	113	475833	41.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	83.42%	
50) Toluene-d8	9.45	98	1295775	40.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	81.84%	
62) 4-Bromofluorobenzene	12.43	95	503122	39.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.24%	

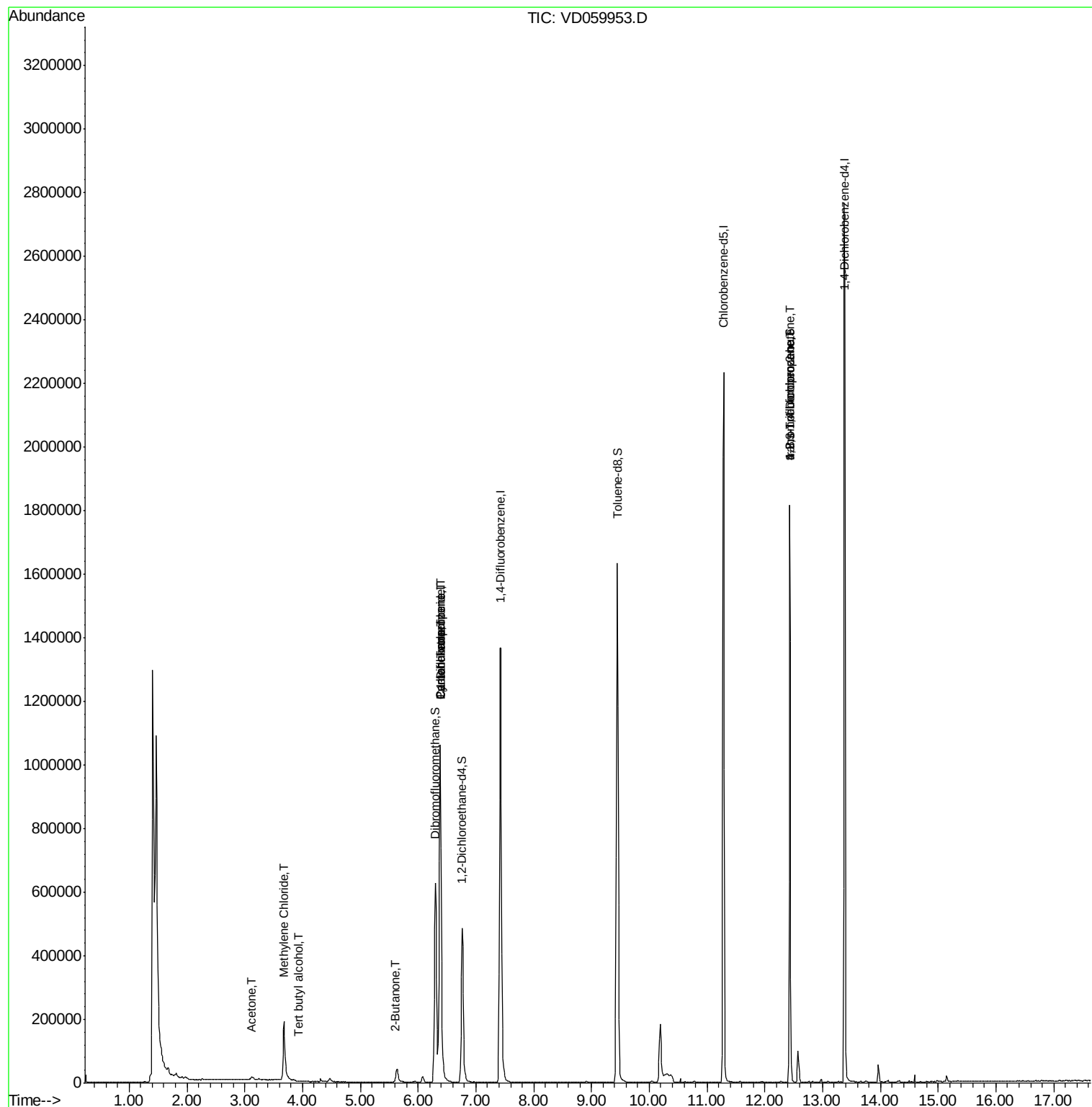
Target Compounds						Qvalue
11) Tert butyl alcohol	3.95	59	891	1.33	ug/l #	75
16) Acetone	3.13	43	21916	13.69	ug/l #	91
20) Methylene Chloride	3.68	84	99939	6.08	ug/l	94
25) 2-Butanone	5.60	43	8543	1.80	ug/l #	63
31) Cyclohexane	6.39	56	18933	1.13	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	70946	5.38	ug/l #	46
38) Carbon Tetrachloride	6.39	117	79332	5.96	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	165288	15.63	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	209207	63.59	ug/l #	12
89) n-Butylbenzene	13.66	91	956	Below Cal	#	82

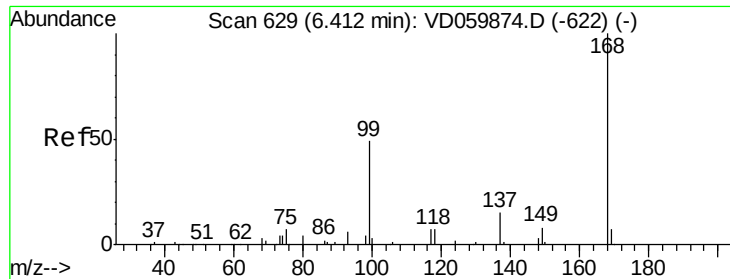
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

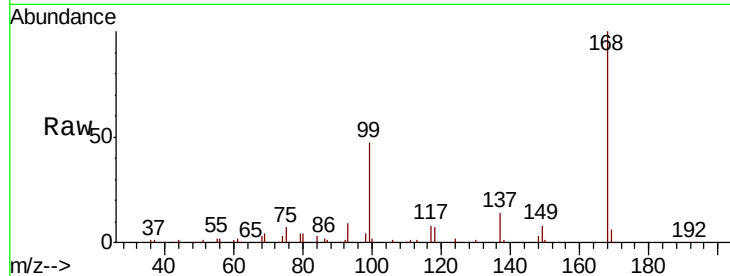
EP1-SUT-UST-06

Tot Ion:168 Resp: 1042467

Ion Ratio Lower Upper

168 100

99 46.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

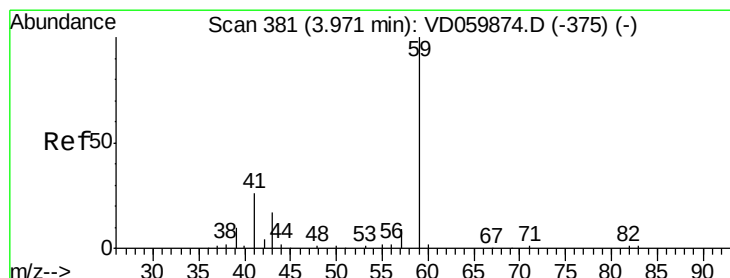
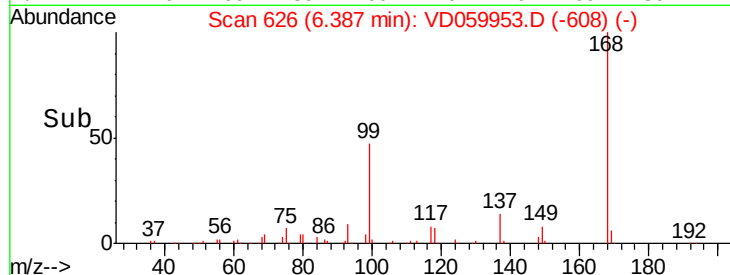
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.33 ug/l

RT: 3.95 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD059953.D

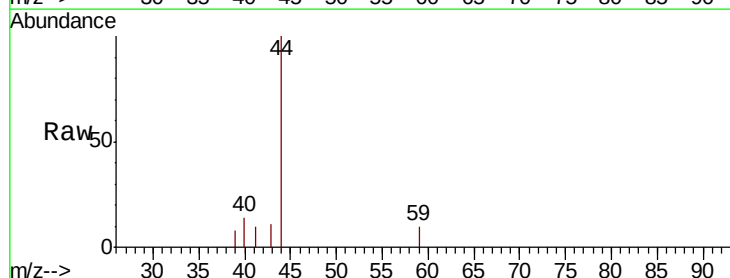
Acq: 4 Sep 2018 19:20

Tgt Ion: 59 Resp: 891

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

3.95

500

400

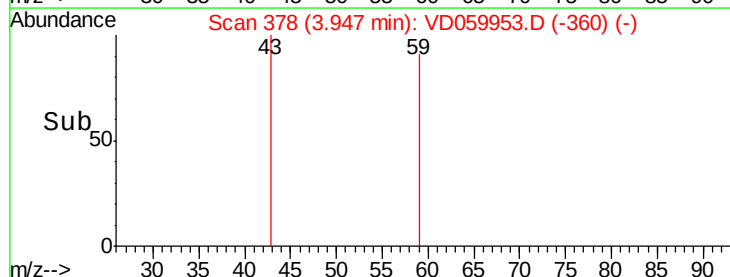
300

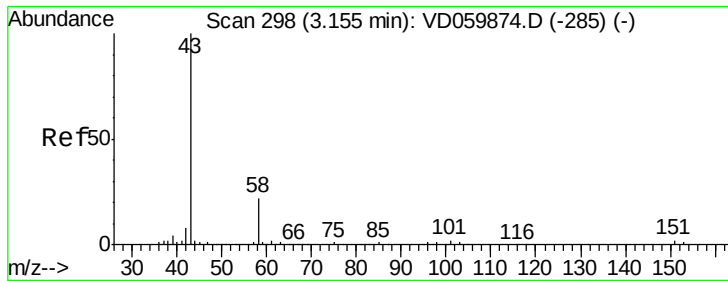
200

100

0

Time-->





#16

Acetone

Concen: 13.69 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

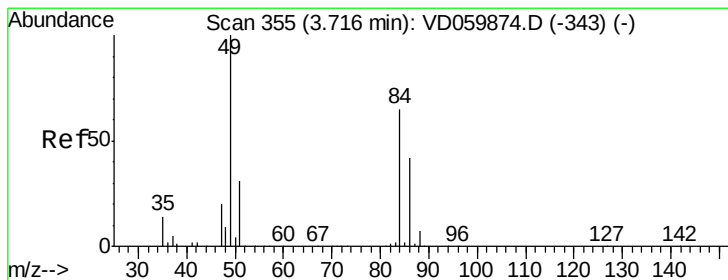
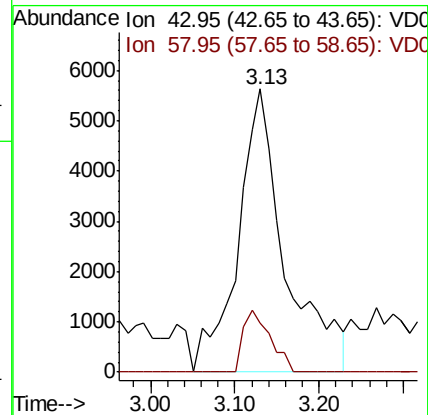
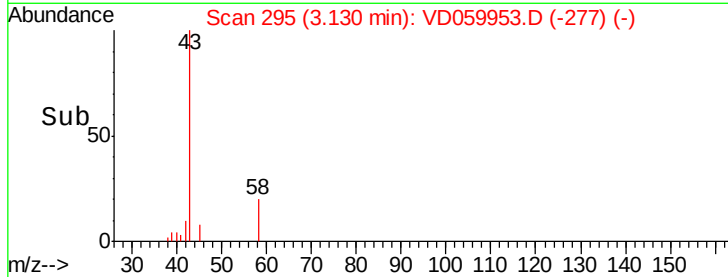
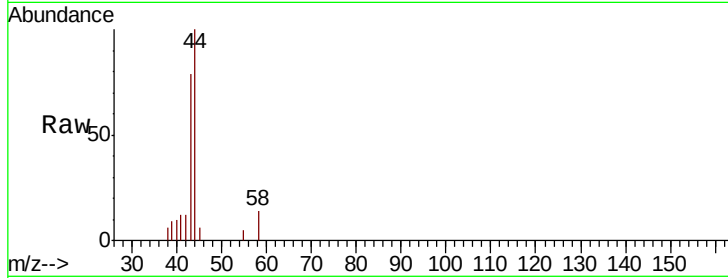
EP1-SUT-UST-06

Tot Ion: 43 Resp: 21916

Ion Ratio Lower Upper

43 100

58 17.5 17.6 26.4#



#20

Methylene Chloride

Concen: 6.08 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Tgt Ion: 84 Resp: 99939

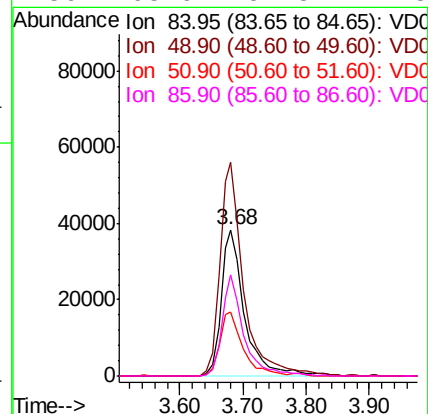
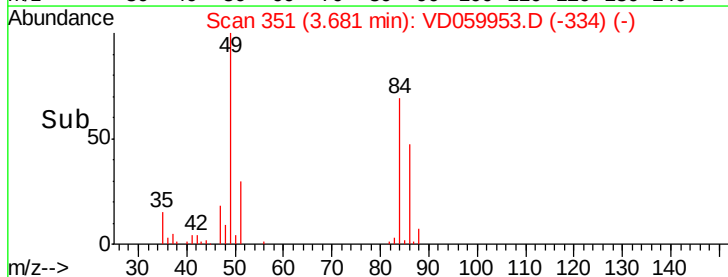
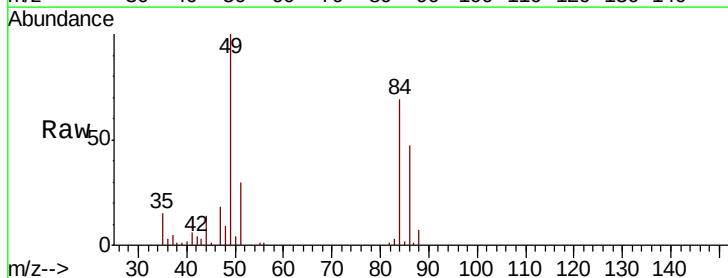
Ion Ratio Lower Upper

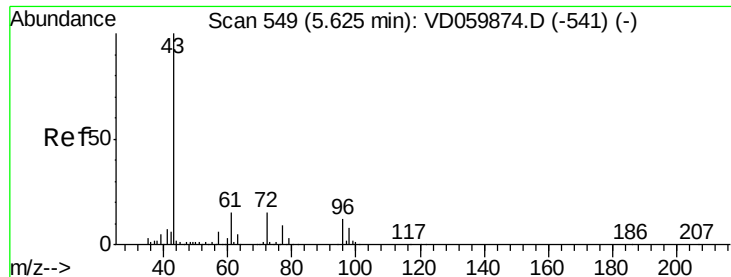
84 100

49 145.9 122.6 183.8

51 43.9 38.4 57.6

86 68.9 51.5 77.3

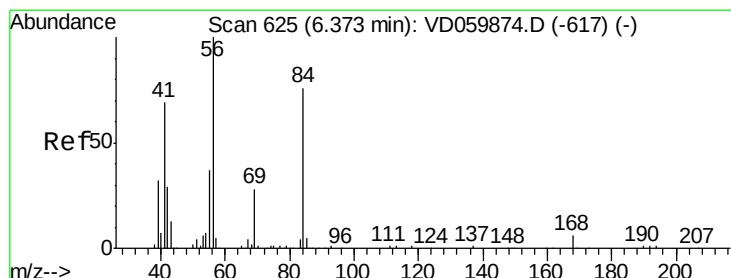
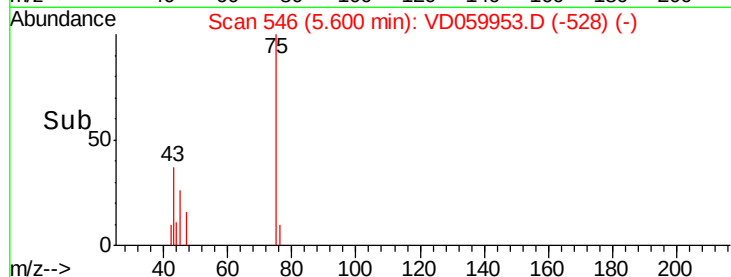
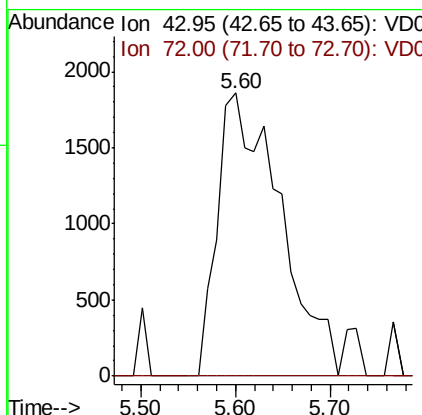
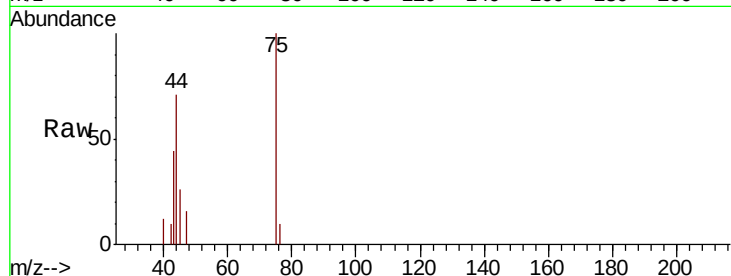




#25
2-Butanone
Concen: 1.80 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.02 min
Lab File: VD059953.D
Acq: 4 Sep 2018 19:20

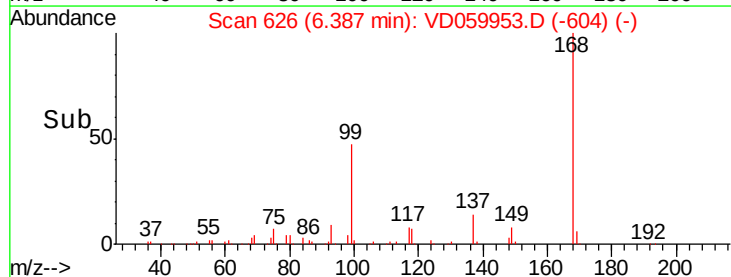
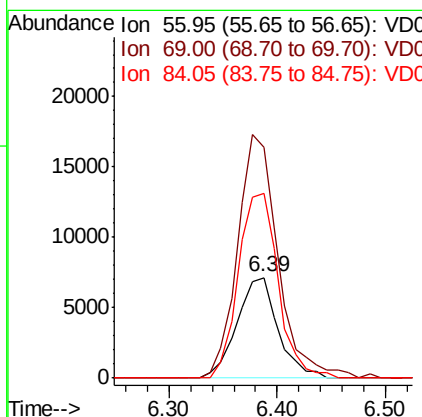
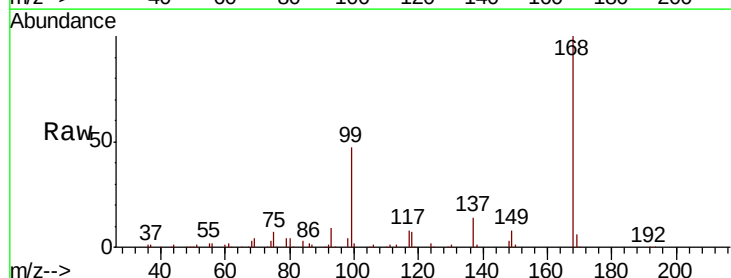
Instrument :
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ClientSampleId :
EP1-SUT-UST-06

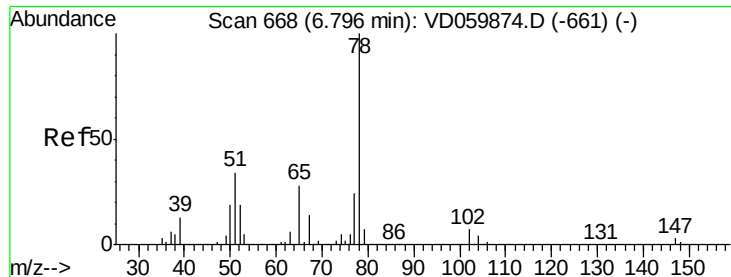
Tot Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 6.39 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD059953.D
Acq: 4 Sep 2018 19:20

Tgt Ion: 56 Resp: 18933
Ion Ratio Lower Upper
56 100
69 228.9 22.4 33.6#
84 183.0 62.1 93.1#

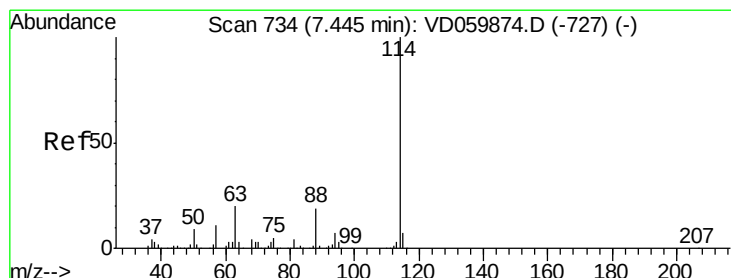
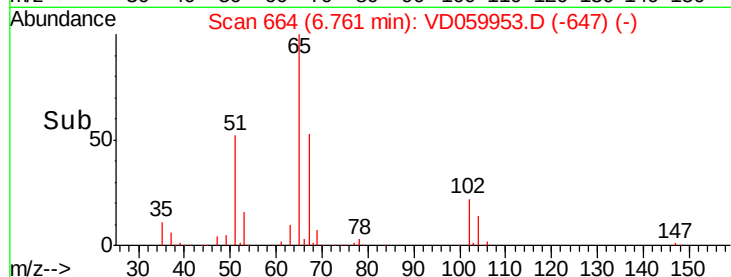
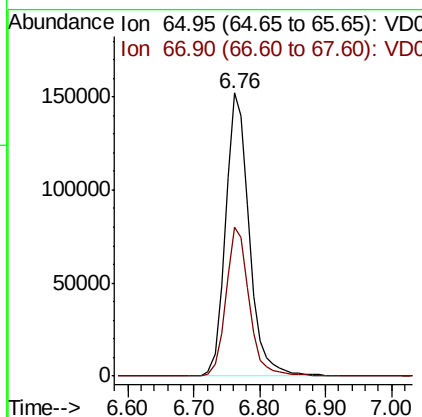
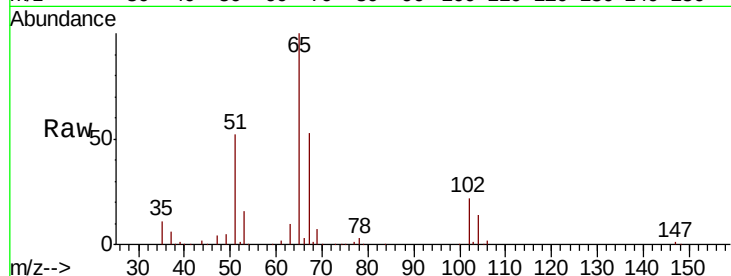




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

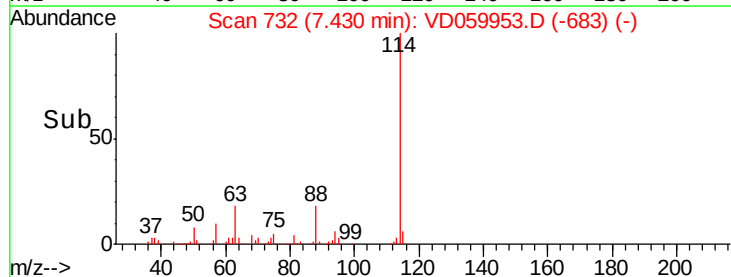
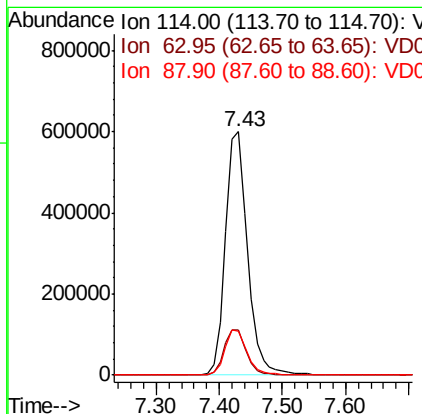
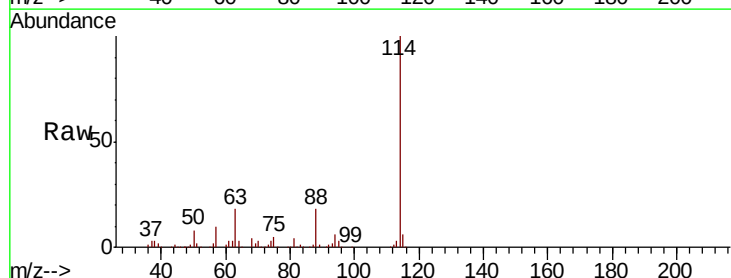
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-06

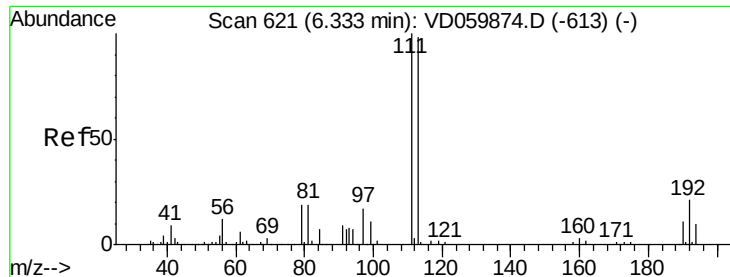
Tot Ion: 65 Resp: 381822
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

Tgt Ion: 114 Resp: 1455192
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.4
 88 18.2 0.0 37.6

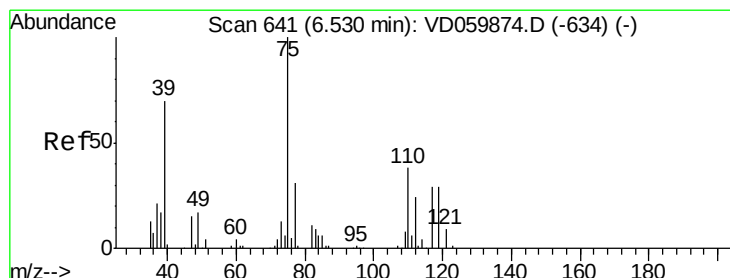
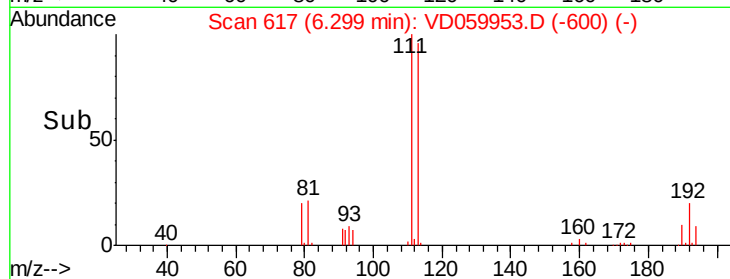
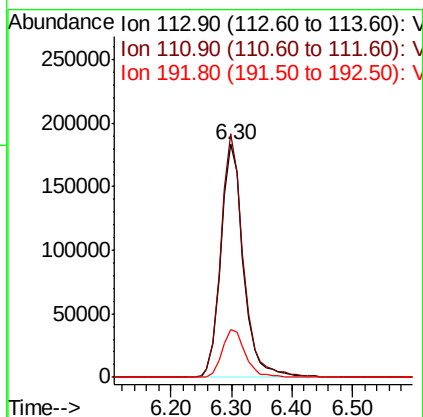
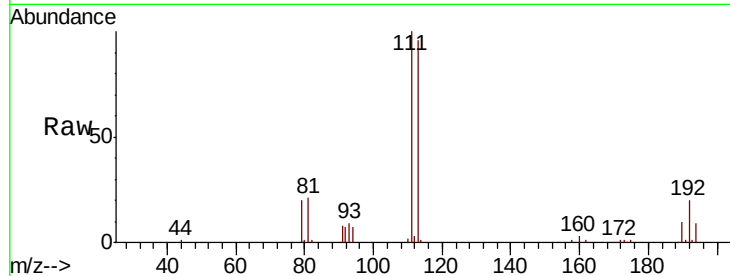




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

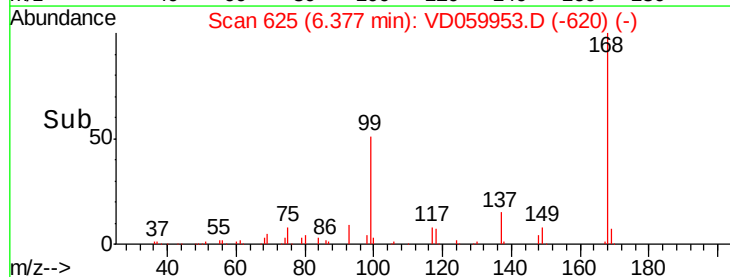
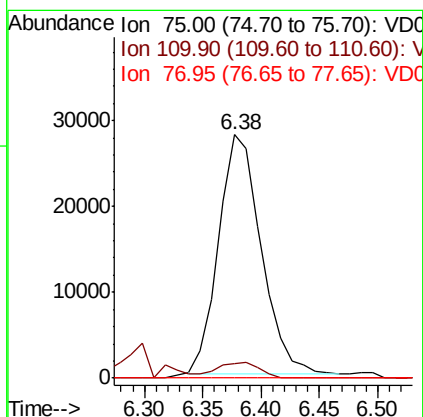
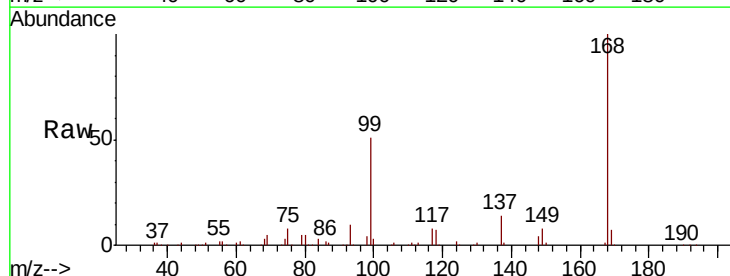
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-06

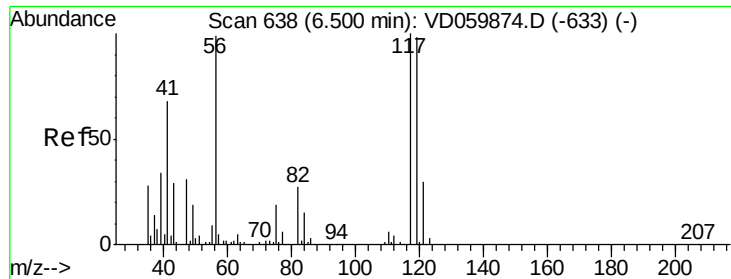
Tot Ion:113 Resp: 475833
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.4 122.2
 192 20.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.38 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.15 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

Tgt Ion: 75 Resp: 70946
 Ion Ratio Lower Upper
 75 100
 110 6.2 18.6 56.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.96 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.11 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-06

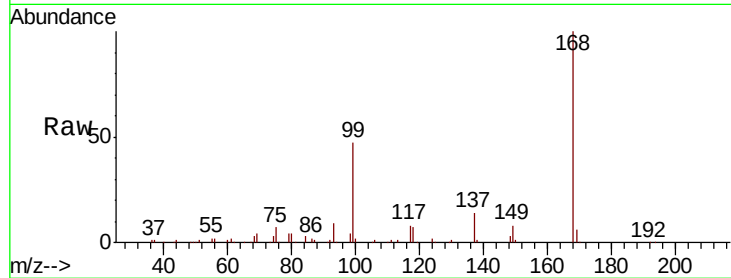
Tot Ion:117 Resp: 79332

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

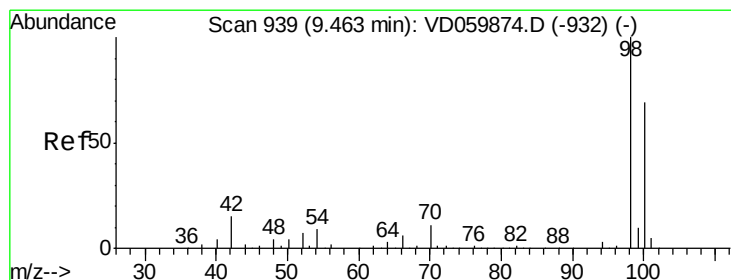
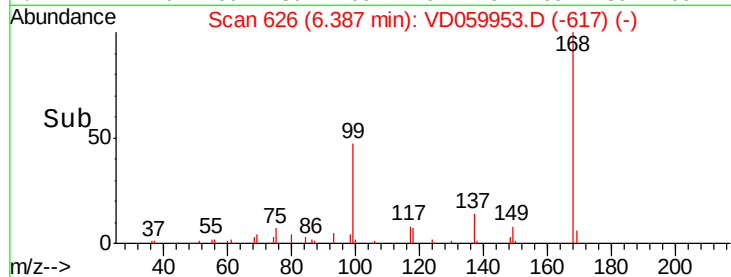
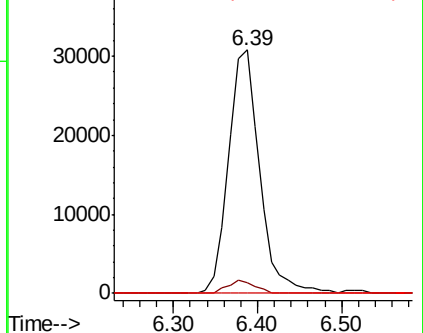
121 0.0 24.0 36.0#



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: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059953.D

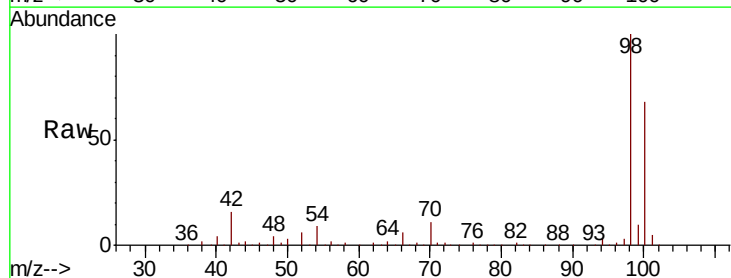
Acq: 4 Sep 2018 19:20

Tgt Ion: 98 Resp: 1295775

Ion Ratio Lower Upper

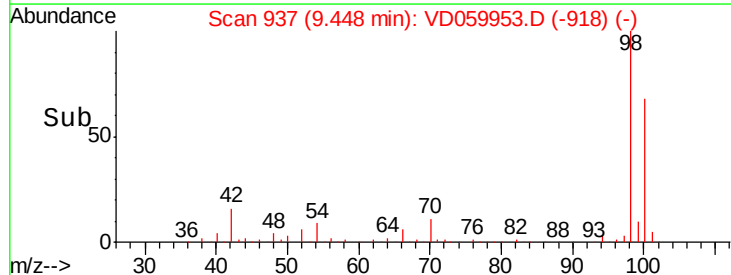
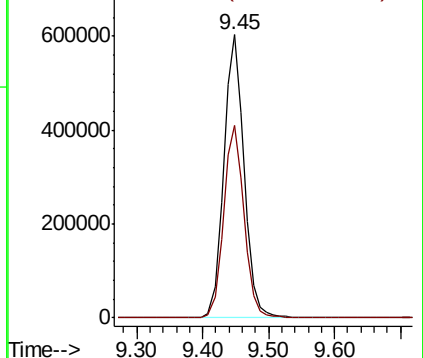
98 100

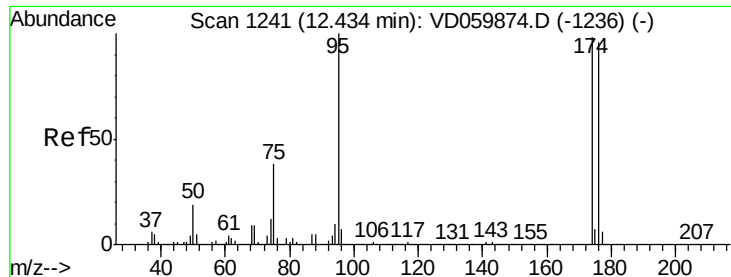
100 68.0 55.8 83.6



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: 12.43 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-06

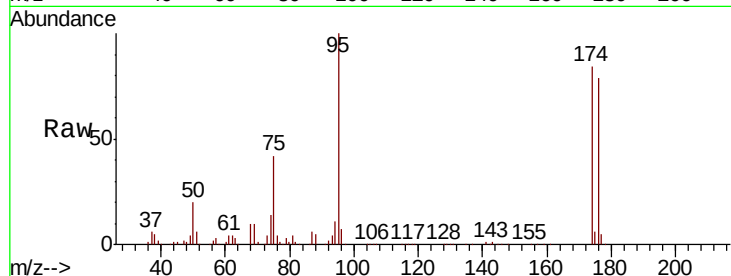
Tot Ion: 95 Resp: 503122

Ion Ratio Lower Upper

95 100

174 83.5 0.0 195.6

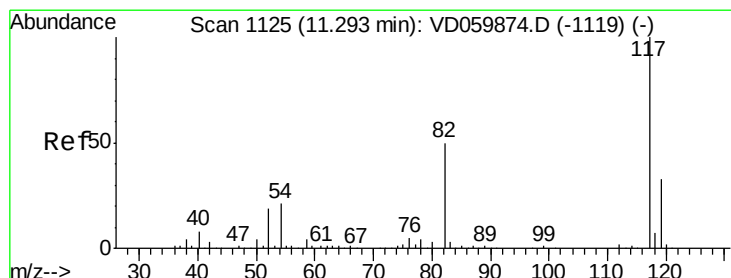
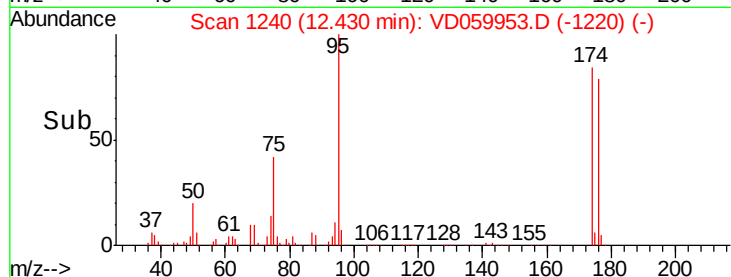
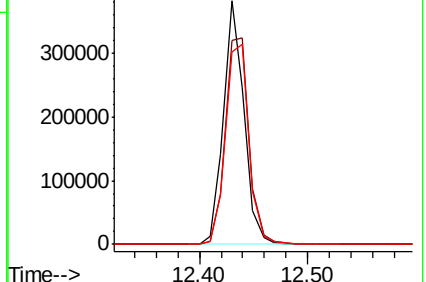
176 79.3 0.0 191.2



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: 11.29 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

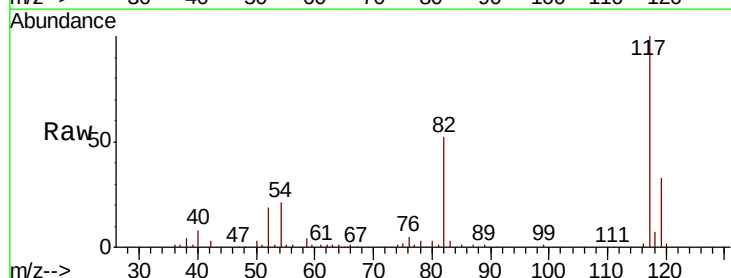
Tgt Ion: 117 Resp: 1224423

Ion Ratio Lower Upper

117 100

82 51.8 40.1 60.1

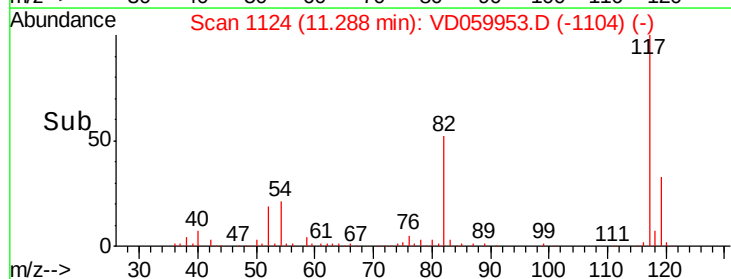
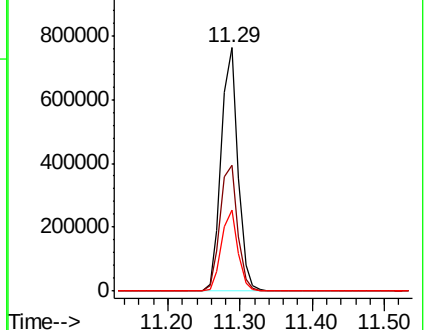
119 33.2 26.7 40.1

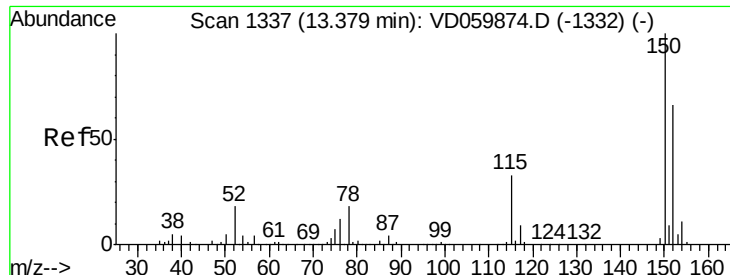


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

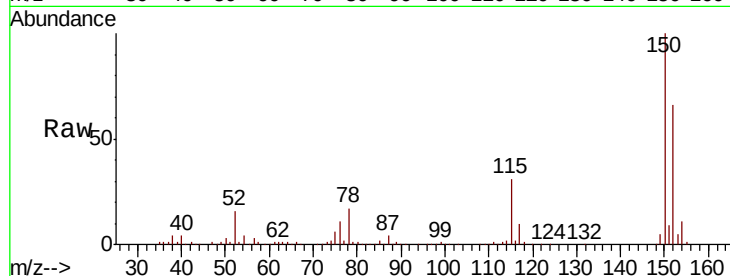




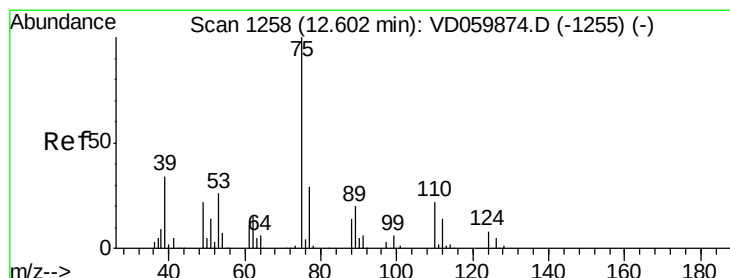
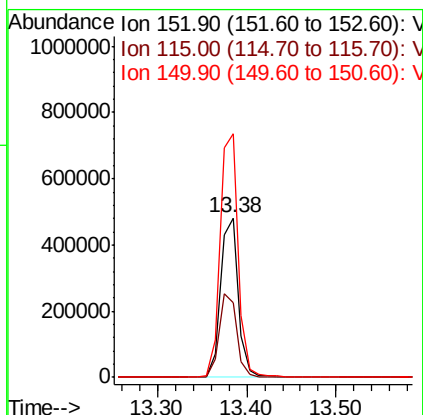
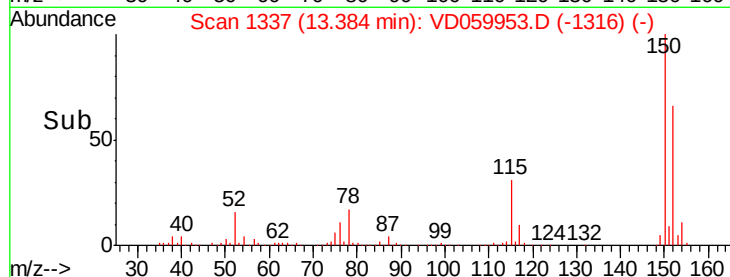
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-06

Tot Ion:152 Resp: 680503
 Ion Ratio Lower Upper
 152 100
 115 46.7 25.7 77.0
 150 152.5 0.0 310.2

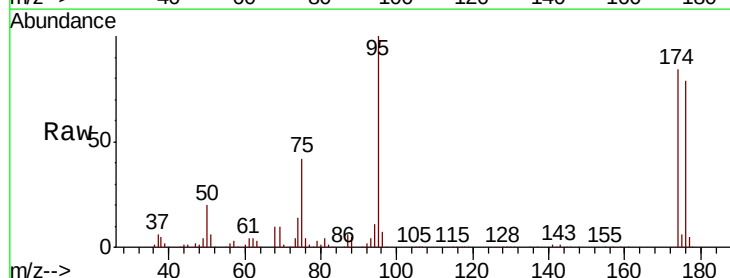


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

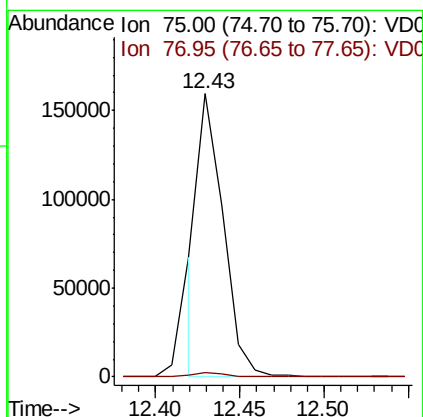
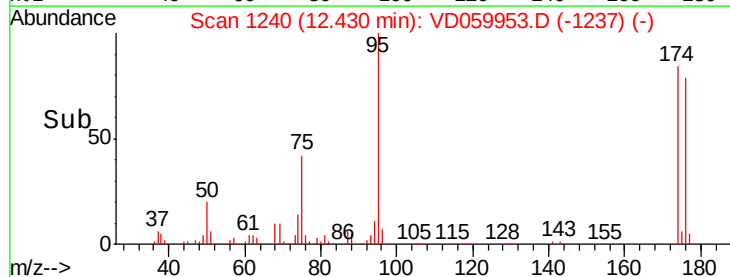


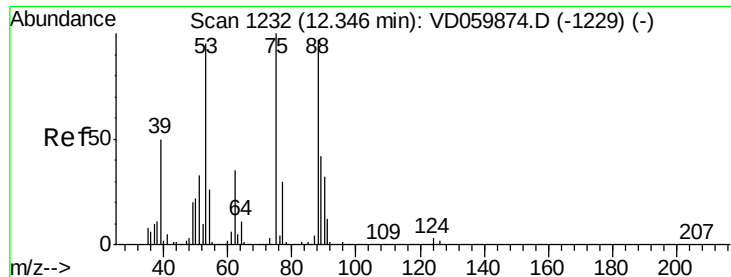
#76
 1,2,3-Trichloropropane
 Concen: 15.63 ug/l
 RT: 12.43 min Scan# 1240
 Delta R.T. -0.17 min
 Lab File: VD059953.D
 Acq: 4 Sep 2018 19:20

Tgt Ion: 75 Resp: 165288
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.4 49.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 63.59 ug/l

RT: 12.43 min Scan# 1240

Delta R.T. 0.08 min

Lab File: VD059953.D

Acq: 4 Sep 2018 19:20

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-06

Tot Ion: 75 Resp: 209207

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

