

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059952.D
 Acq On : 4 Sep 2018 18:51
 Operator : JC/SY
 Sample : J4724-06
 Misc : 5.42g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-05

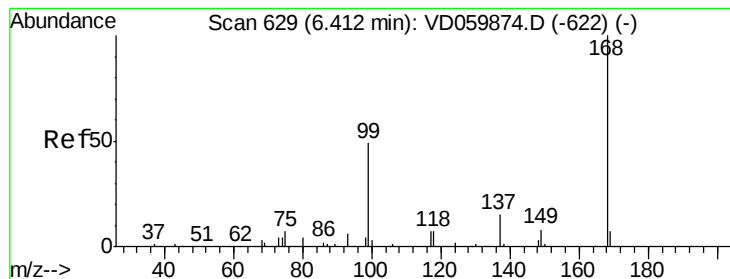
Quant Time: Sep 05 03:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1075899	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	1502694	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1267432	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	706616	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	404464	44.60	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	89.20%	
35) Dibromofluoromethane	6.29	113	501529	42.57	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	85.14%	
50) Toluene-d8	9.43	98	1342276	41.05	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	82.10%	
62) 4-Bromofluorobenzene	12.41	95	543352	40.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.92	59	1340	1.94	ug/l #	75
13) Acrolein	2.95	56	367	1.22	ug/l #	6
16) Acetone	3.12	43	32452	19.64	ug/l #	89
18) Methyl Acetate	3.53	43	5973	1.73	ug/l #	66
20) Methylene Chloride	3.68	84	82225	4.04	ug/l	98
25) 2-Butanone	5.59	43	13898	2.84	ug/l #	63
31) Cyclohexane	6.37	56	20352	1.18	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	82459	6.05	ug/l #	46
37) Ethyl Acetate	5.59	43	13898	1.31	ug/l #	71
38) Carbon Tetrachloride	6.37	117	82938	6.03	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	218252	63.89	ug/l #	12
89) n-Butylbenzene	13.63	91	1341	Below Cal	#	76

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.04 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

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MSVOA_D

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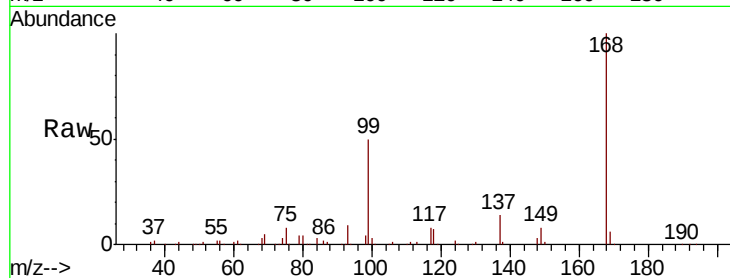
EP1-SUT-UST-05

Tot Ion:168 Resp: 1075899

Ion Ratio Lower Upper

168 100

99 49.8 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

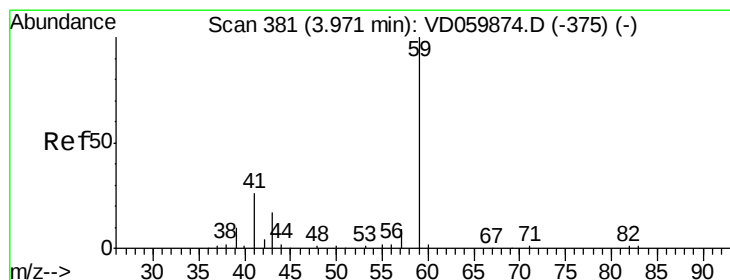
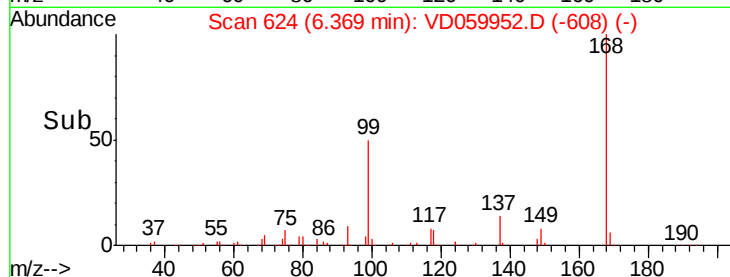
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.94 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.05 min

Lab File: VD059952.D

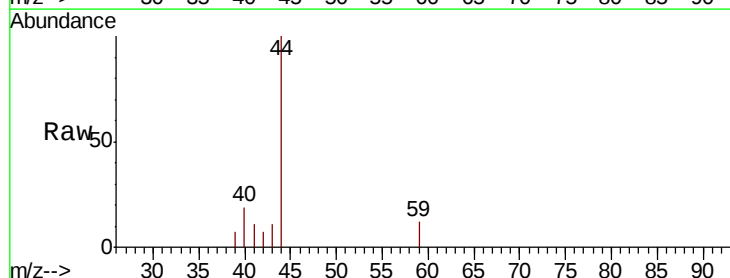
Acq: 4 Sep 2018 18:51

Tgt Ion: 59 Resp: 1340

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

1000

800

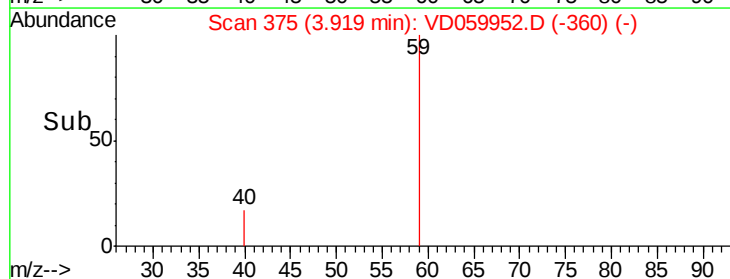
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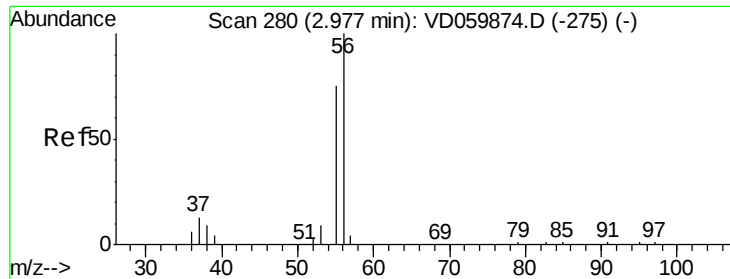
400

200

0

Time-->





#13

Acrolein

Concen: 1.22 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

Instrument :

MSVOA_D

ClientSampleId :

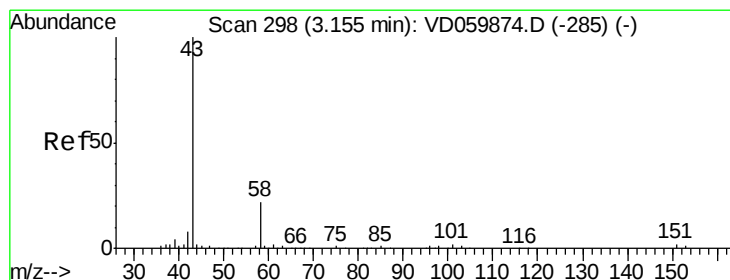
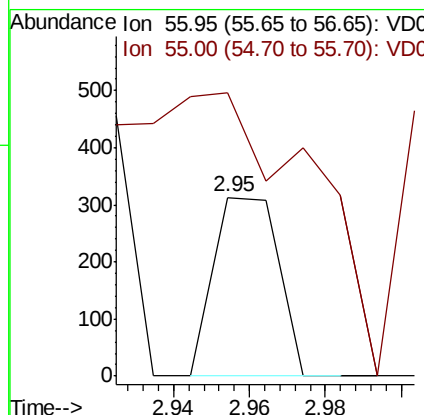
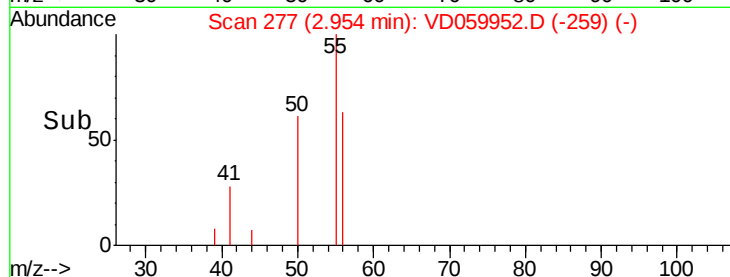
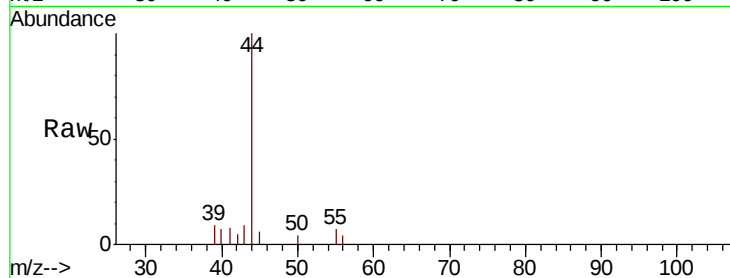
EP1-SUT-UST-05

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 158.5 61.9 92.9#



#16

Acetone

Concen: 19.64 ug/l

RT: 3.12 min Scan# 294

Delta R.T. -0.03 min

Lab File: VD059952.D

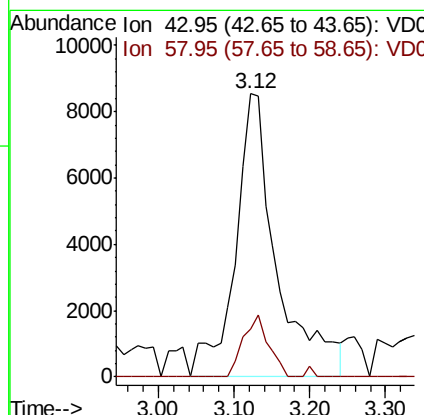
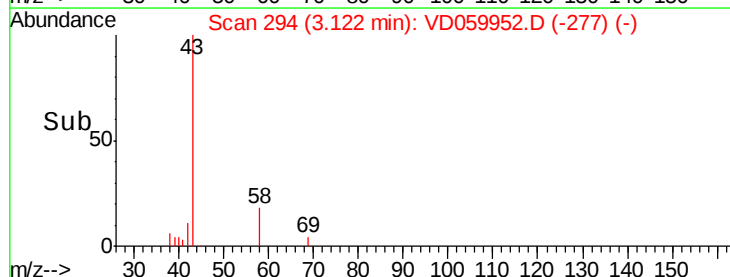
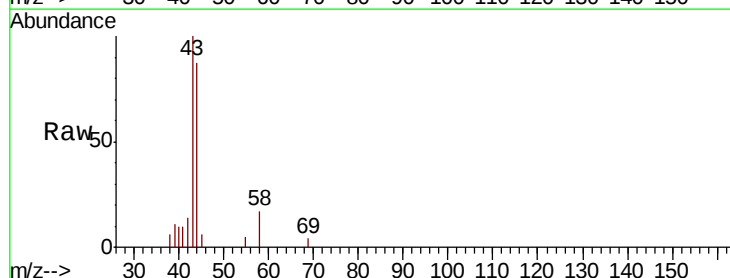
Acq: 4 Sep 2018 18:51

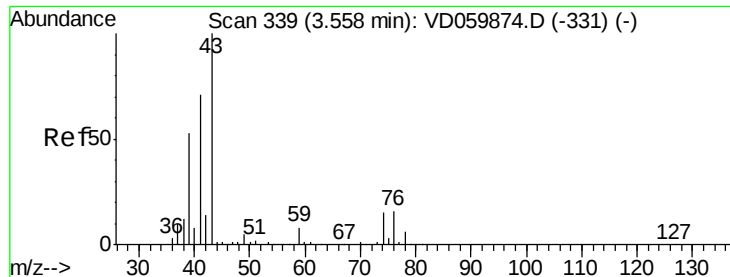
Tgt Ion: 43 Resp: 32452

Ion Ratio Lower Upper

43 100

58 16.9 17.6 26.4#

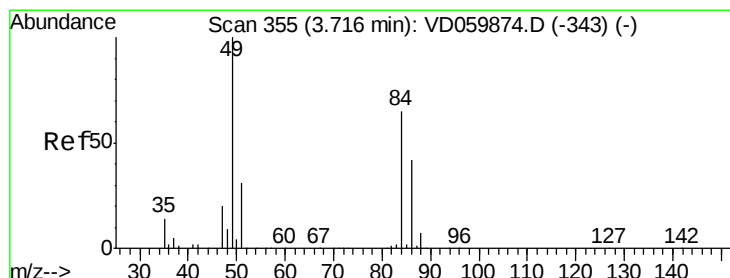
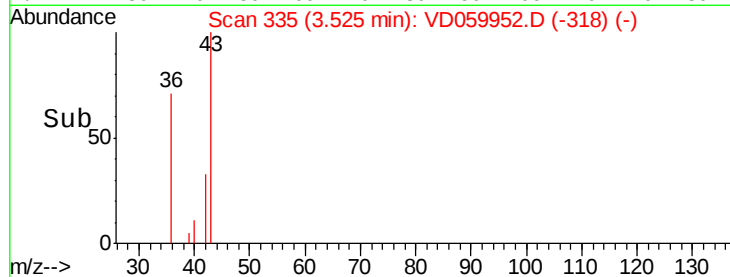
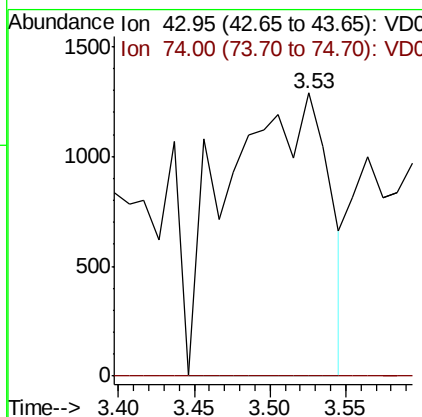
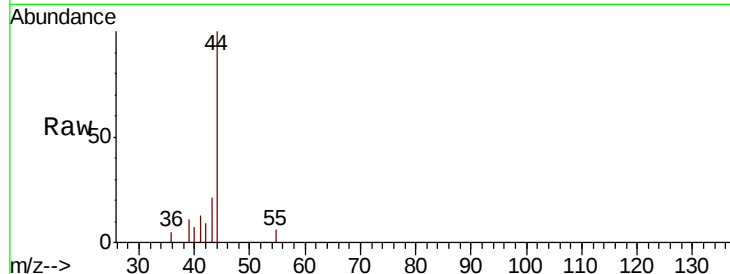




#18
Methyl Acetate
Concen: 1.73 ug/l
RT: 3.53 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

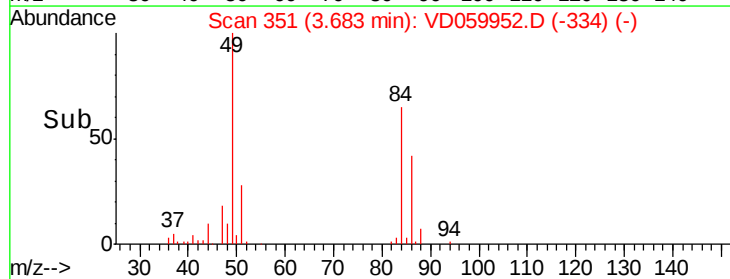
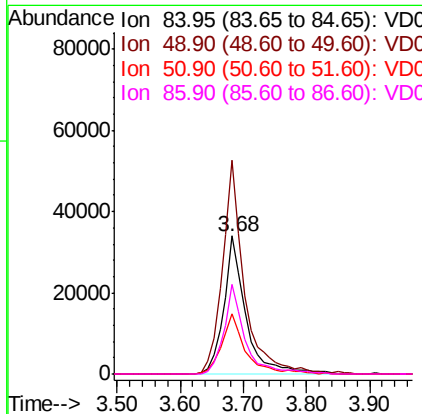
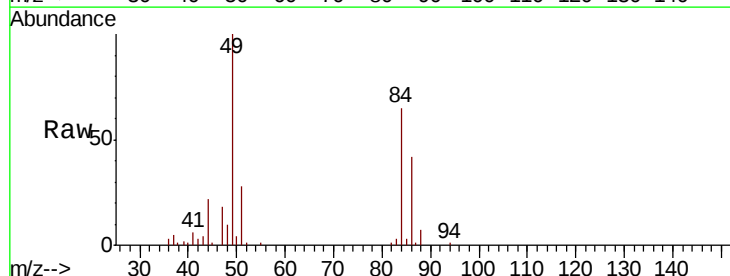
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-05

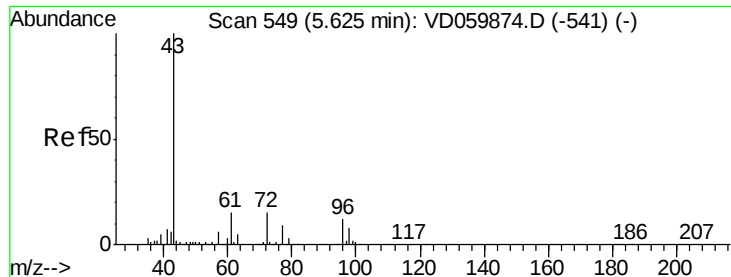
Tot Ion: 43 Resp: 5973
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#20
Methylene Chloride
Concen: 4.04 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

Tgt Ion: 84 Resp: 82225
Ion Ratio Lower Upper
84 100
49 154.6 122.6 183.8
51 43.5 38.4 57.6
86 65.3 51.5 77.3

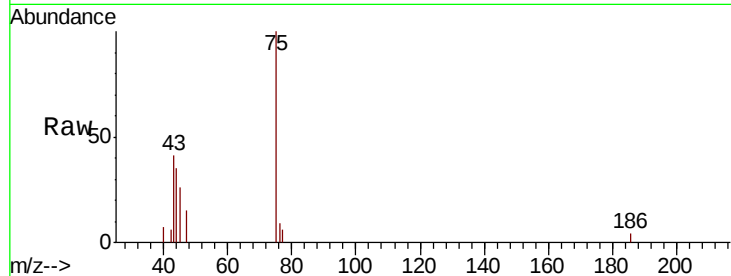




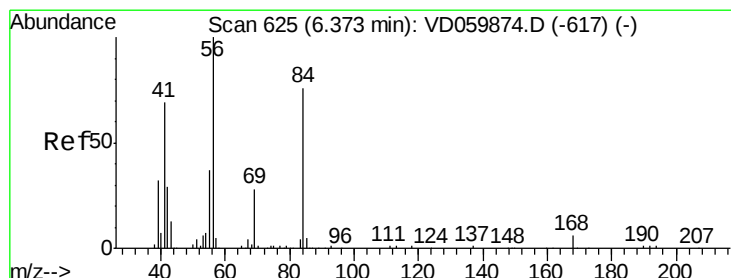
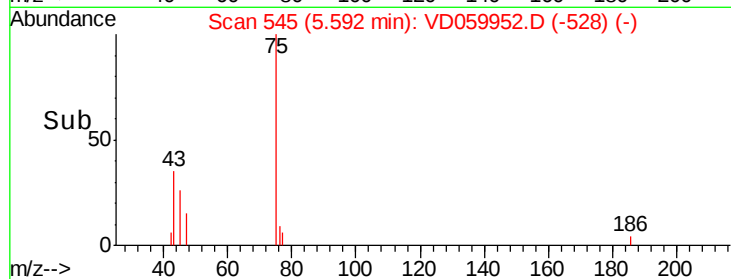
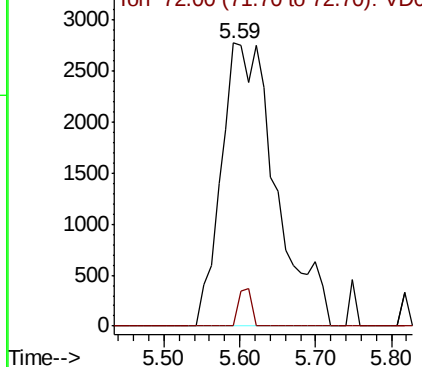
#25
2-Butanone
Concen: 2.84 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-05

Tot Ion: 43 Resp: 13898
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#

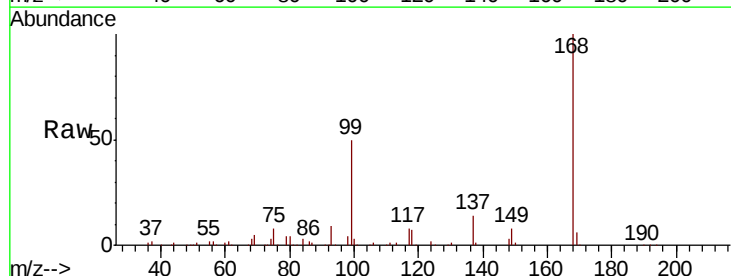


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

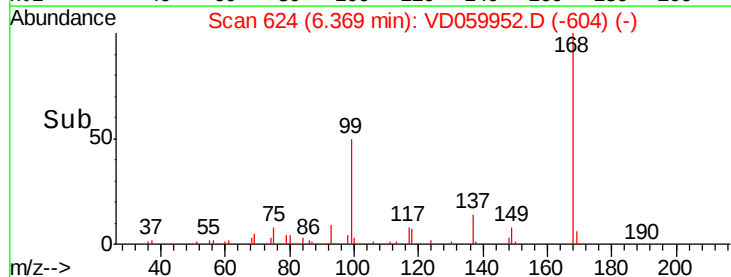
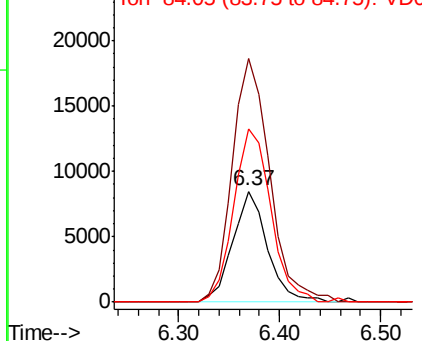


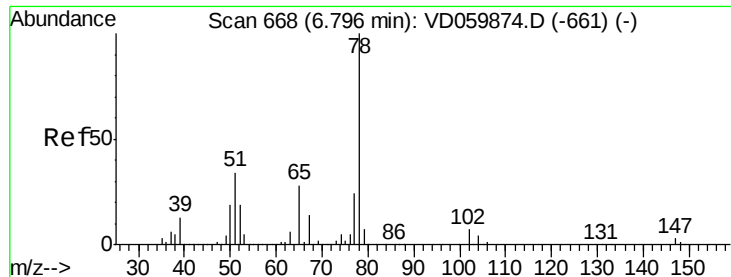
#31
Cyclohexane
Concen: 1.18 ug/l
RT: 6.37 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

Tgt Ion: 56 Resp: 20352
Ion Ratio Lower Upper
56 100
69 220.3 22.4 33.6#
84 156.3 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: 6.75 min Scan# 663

Delta R.T. -0.04 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

Instrument :

MSVOA_D

ClientSampleId :

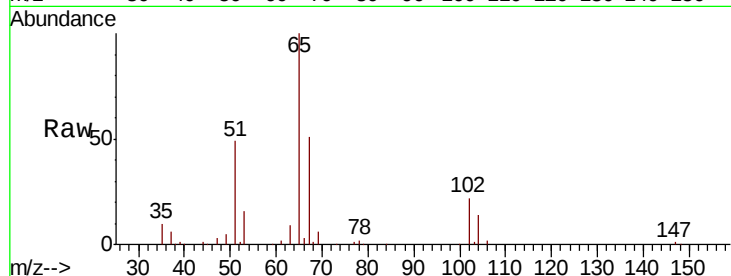
EP1-SUT-UST-05

Tot Ion: 65 Resp: 404464

Ion Ratio Lower Upper

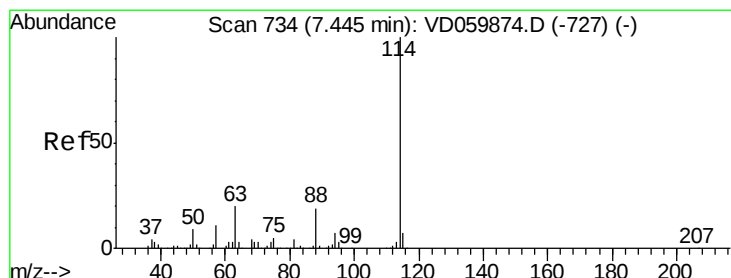
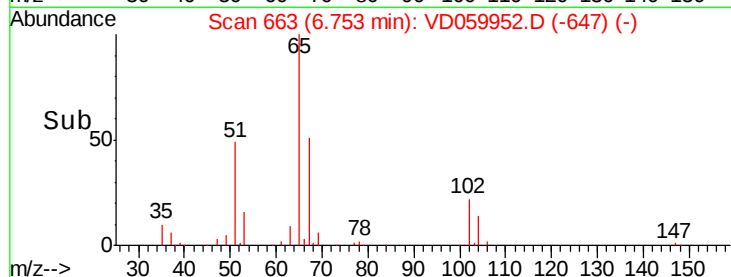
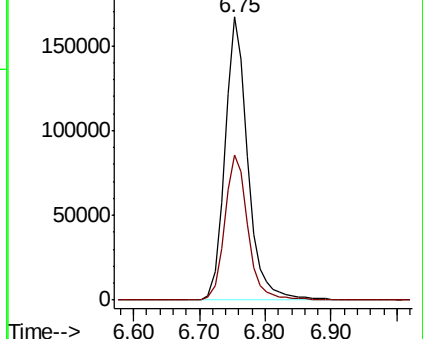
65 100

67 51.2 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: 7.41 min Scan# 730

Delta R.T. -0.03 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

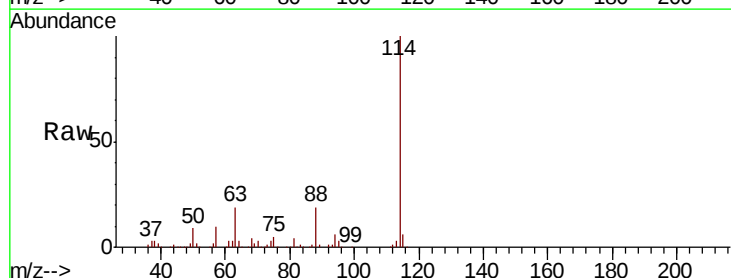
Tgt Ion: 114 Resp: 1502694

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

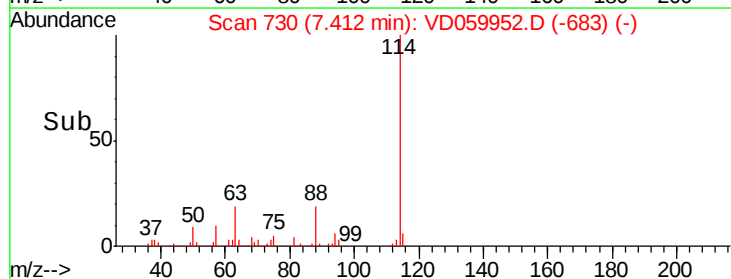
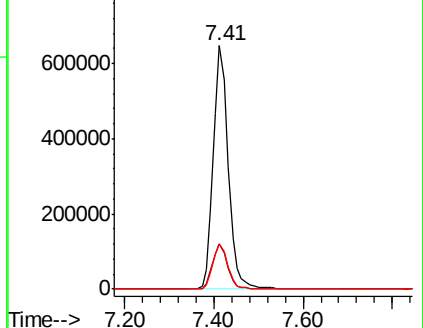
88 18.8 0.0 37.6

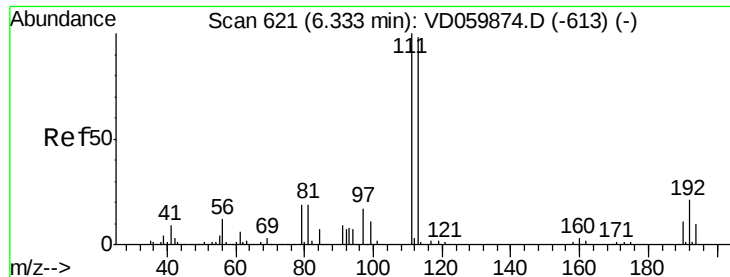


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

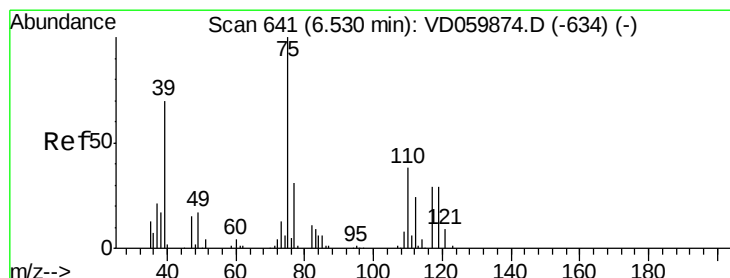
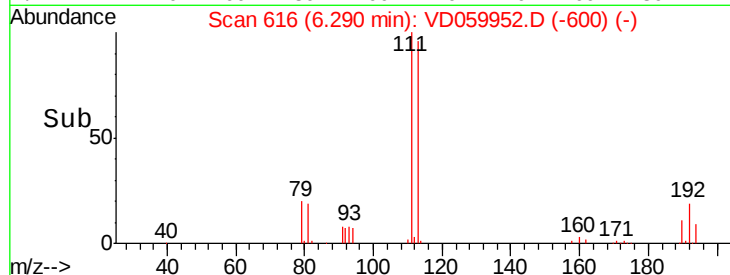
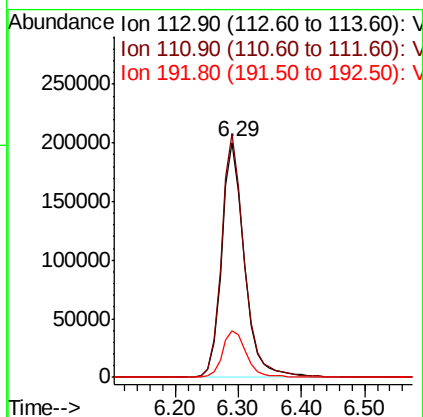
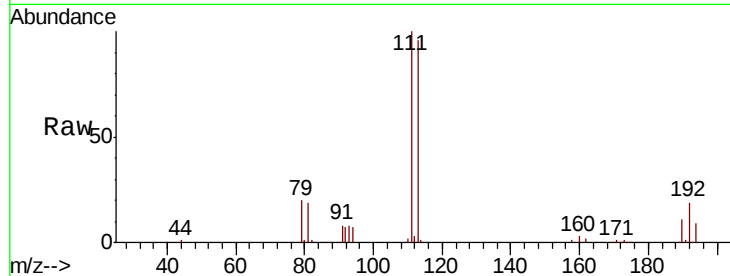




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 616
 Delta R.T. -0.04 min
 Lab File: VD059952.D
 Acq: 4 Sep 2018 18:51

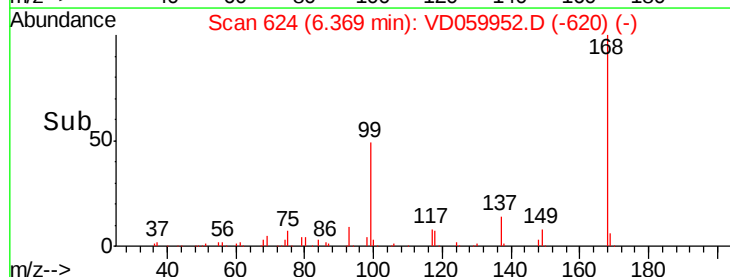
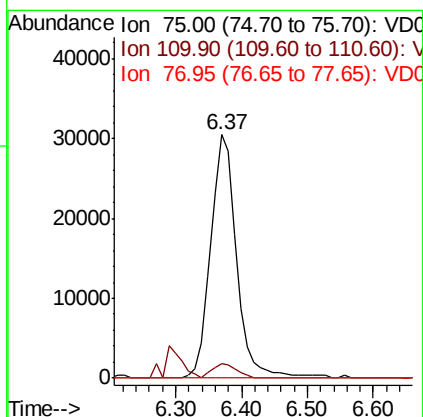
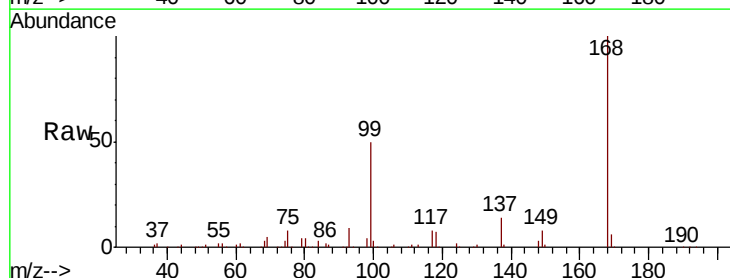
Instrument :
 MSVOA_D
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 EP1-SUT-UST-05

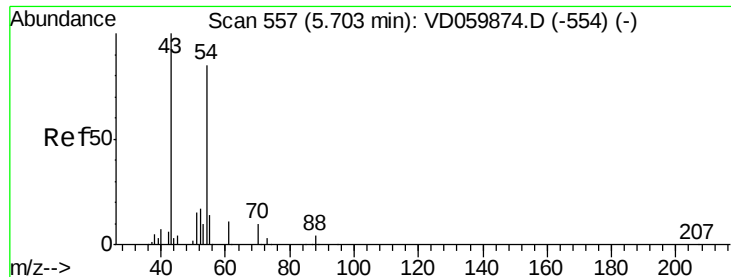
Tot Ion:113 Resp: 501529
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.4 122.2
 192 20.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 6.05 ug/l
 RT: 6.37 min Scan# 624
 Delta R.T. -0.16 min
 Lab File: VD059952.D
 Acq: 4 Sep 2018 18:51

Tgt Ion: 75 Resp: 82459
 Ion Ratio Lower Upper
 75 100
 110 6.1 18.6 56.0#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.31 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.11 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-05

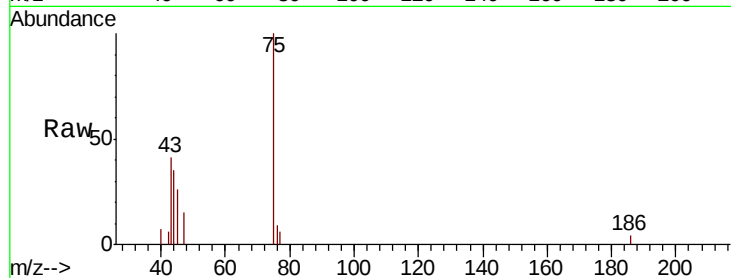
Tot Ion: 43 Resp: 13898

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

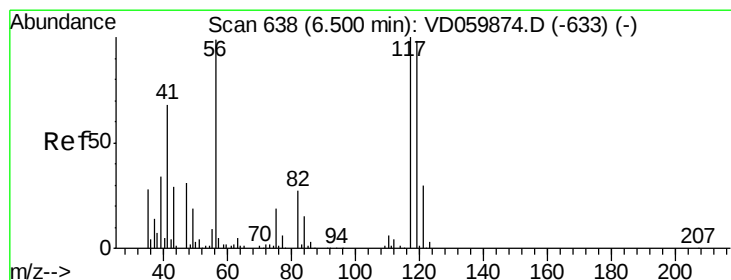
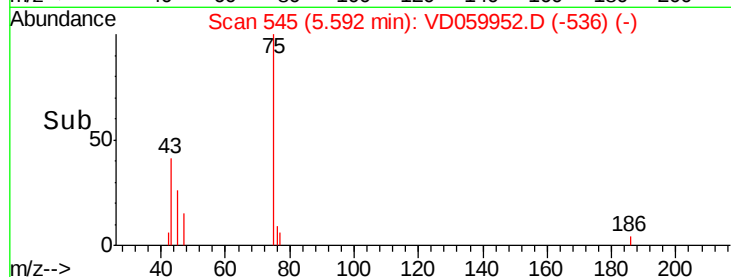
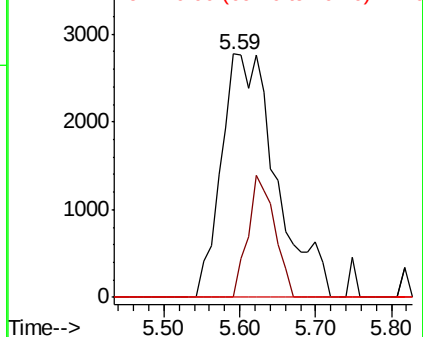
70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.13 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

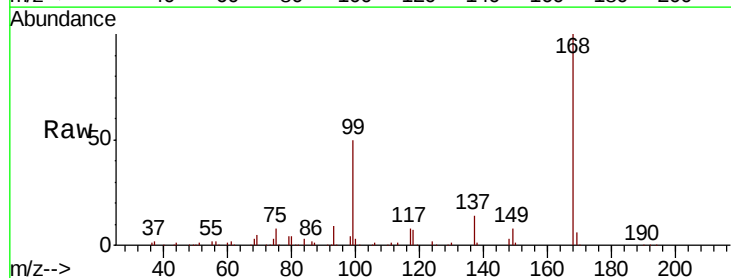
Tgt Ion: 117 Resp: 82938

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

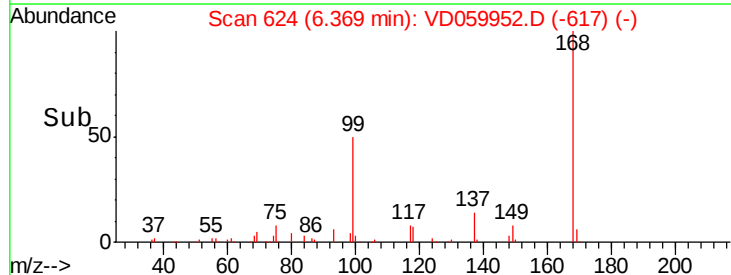
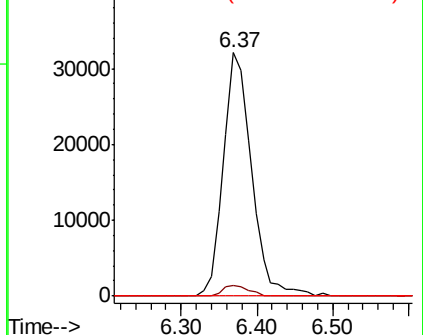
121 0.0 24.0 36.0#

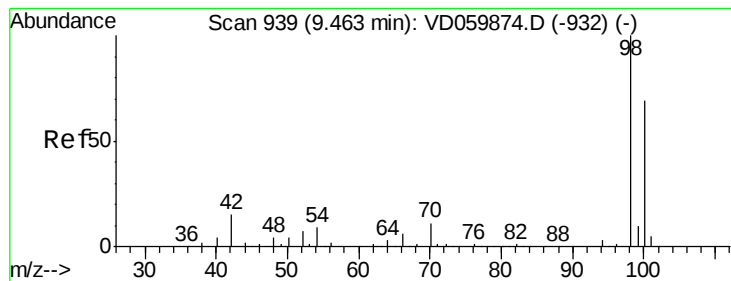


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.43 min Scan# 935

Delta R.T. -0.03 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

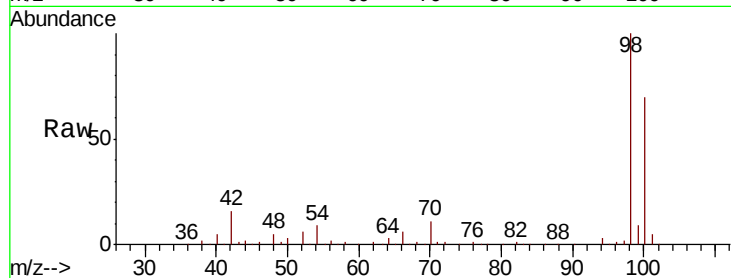
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-05

Tot Ion: 98 Resp: 1342276

Ion Ratio Lower Upper

98 100

100 69.5 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD059874.D (-932) (-)

Ion 100.05 (99.75 to 100.75): VD059874.D (-932) (-)

9.43

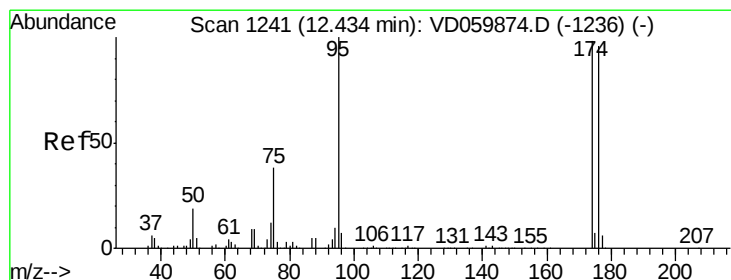
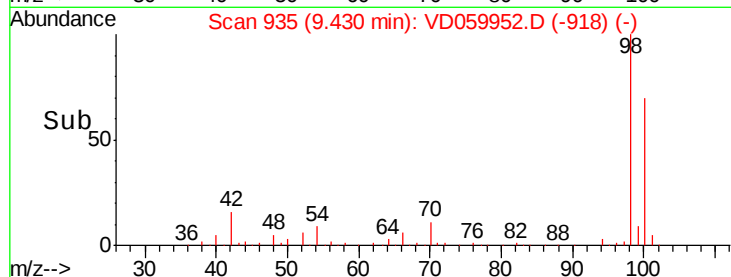
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

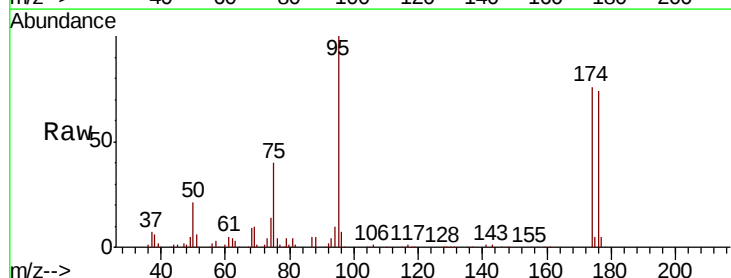
Tgt Ion: 95 Resp: 543352

Ion Ratio Lower Upper

95 100

174 76.4 0.0 195.6

176 73.7 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VD059874.D (-1236) (-)

Ion 173.90 (173.60 to 174.60): VD059874.D (-1236) (-)

Ion 175.90 (175.60 to 176.60): VD059874.D (-1236) (-)

500000

400000

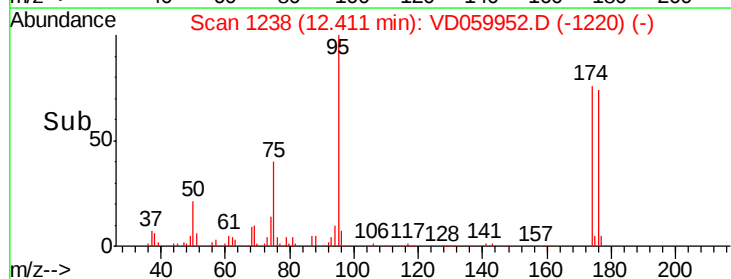
300000

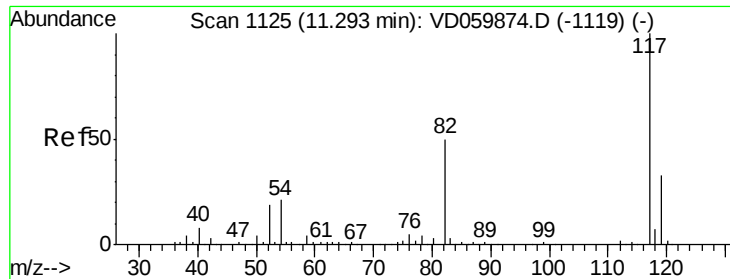
200000

100000

0

Time-->

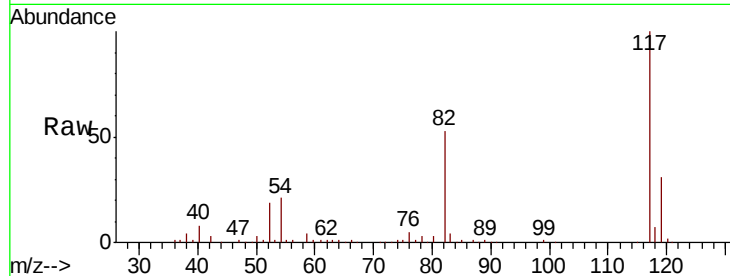




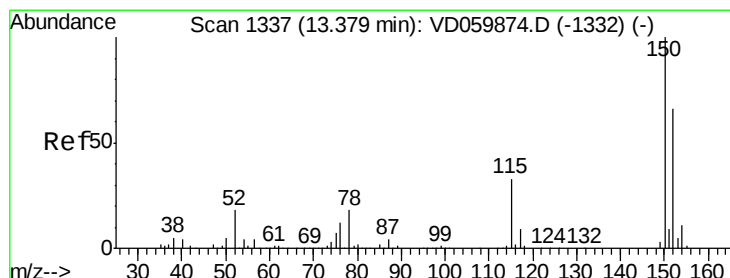
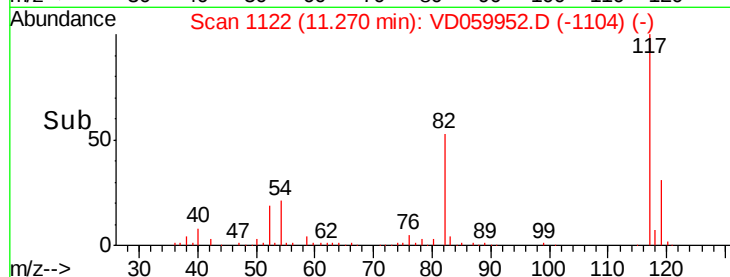
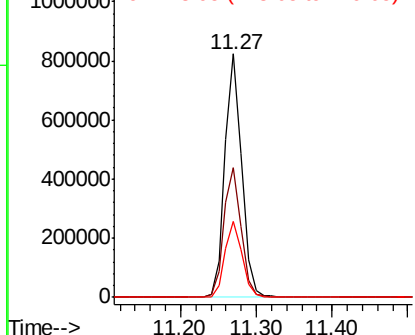
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-05

Tot Ion:117 Resp: 1267432
Ion Ratio Lower Upper
117 100
82 53.3 40.1 60.1
119 31.2 26.7 40.1

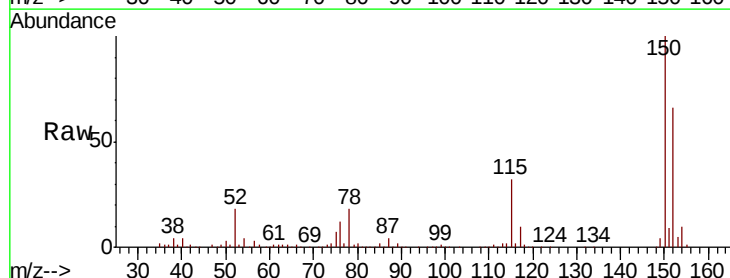


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

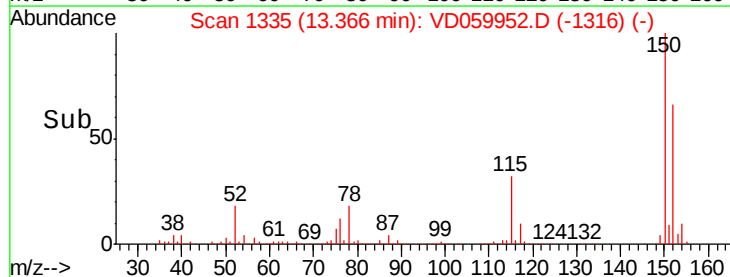
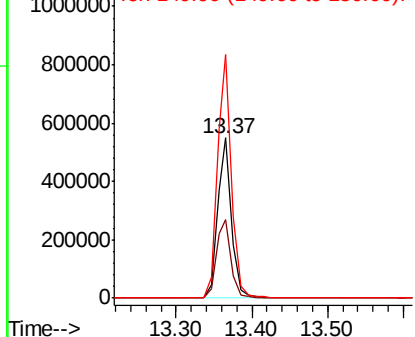


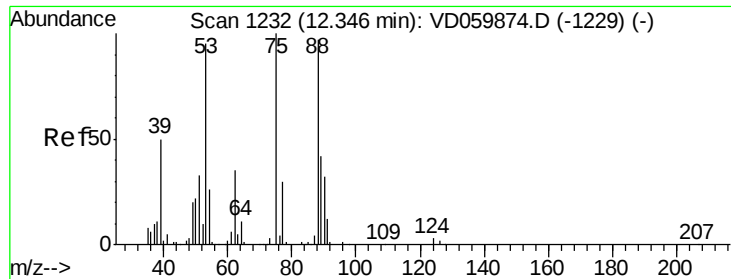
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059952.D
Acq: 4 Sep 2018 18:51

Tgt Ion:152 Resp: 706616
Ion Ratio Lower Upper
152 100
115 49.0 25.7 77.0
150 152.1 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: 63.89 ug/l

RT: 12.41 min Scan# 1238

Delta R.T. 0.07 min

Lab File: VD059952.D

Acq: 4 Sep 2018 18:51

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-05

Tot Ion: 75 Resp: 218252

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

