

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059954.D
 Acq On : 4 Sep 2018 19:48
 Operator : JC/SY
 Sample : J4724-08
 Misc : 6.36g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-07

Quant Time: Sep 05 03:54:53 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	1086343	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1544590	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1301553	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	729378	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	376924	41.17	ug/l	-0.04
Spiked Amount			Recovery	=	82.34%	
35) Dibromofluoromethane	6.30	113	483564	39.93	ug/l	-0.04
Spiked Amount			Recovery	=	79.86%	
50) Toluene-d8	9.44	98	1291253	38.42	ug/l	-0.03
Spiked Amount			Recovery	=	76.84%	
62) 4-Bromofluorobenzene	12.42	95	521775	38.23	ug/l	-0.02
Spiked Amount			Recovery	=	76.46%	

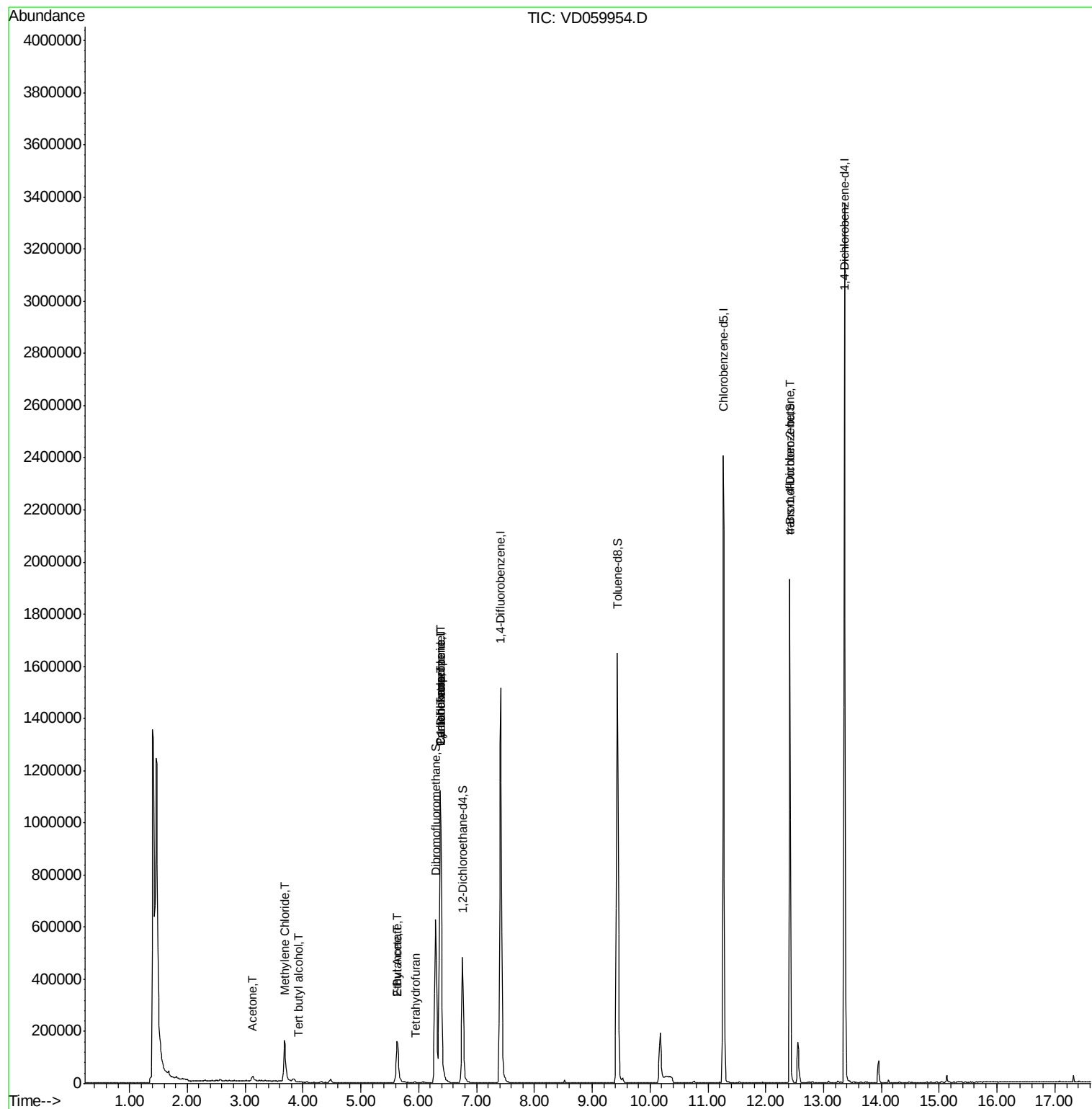
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.93	59	3685	5.27	ug/l #	75
16) Acetone	3.14	43	41465	24.86	ug/l #	90
20) Methylene Chloride	3.68	84	86692	4.39	ug/l	94
25) 2-Butanone	5.62	43	21836	4.42	ug/l #	88
29) Tetrahydrofuran	5.93	42	2615	1.11	ug/l #	50
31) Cyclohexane	6.37	56	20956	1.20	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	80237	5.73	ug/l #	46
37) Ethyl Acetate	5.62	43	21836	2.00	ug/l #	52
38) Carbon Tetrachloride	6.37	117	85401	6.04	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	216851	61.50	ug/l #	12
89) n-Butylbenzene	13.64	91	1628	Below Cal	#	65

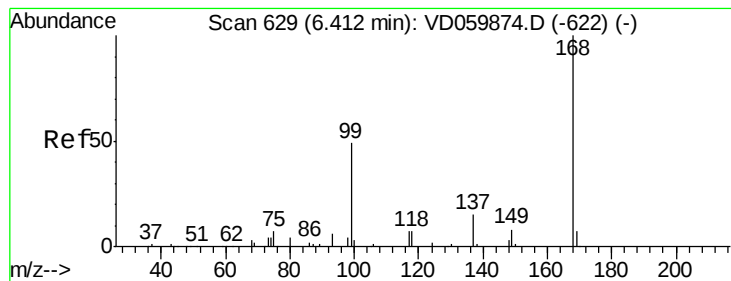
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

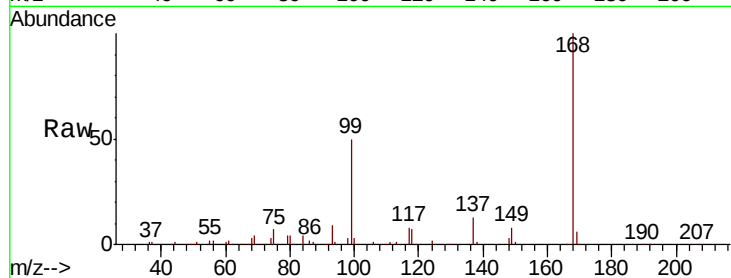
EP1-SUT-UST-07

Tot Ion:168 Resp: 1086343

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

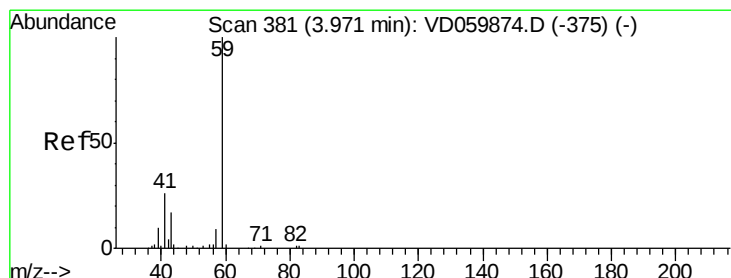
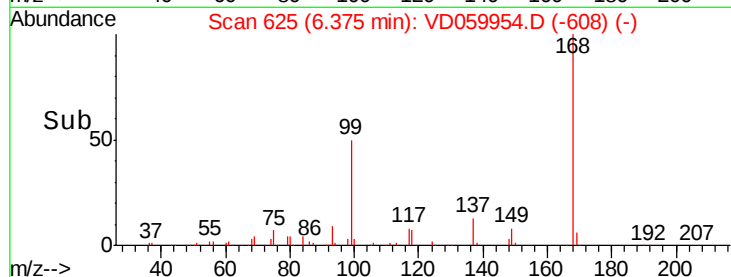
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#11

Tert butyl alcohol

Concen: 5.27 ug/l

RT: 3.93 min Scan# 377

Delta R.T. -0.04 min

Lab File: VD059954.D

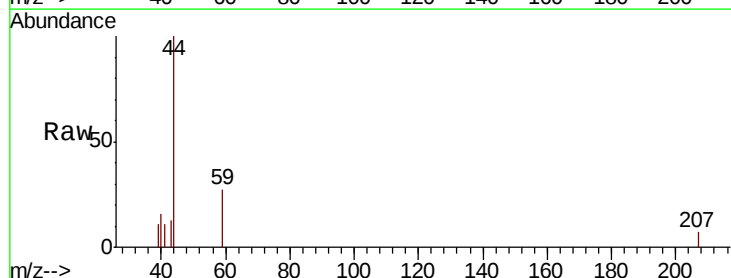
Acq: 4 Sep 2018 19:48

Tgt Ion: 59 Resp: 3685

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

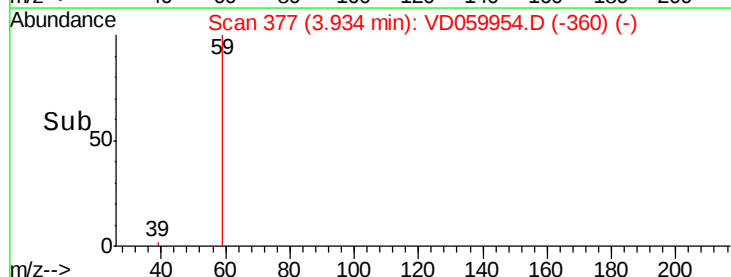
3000

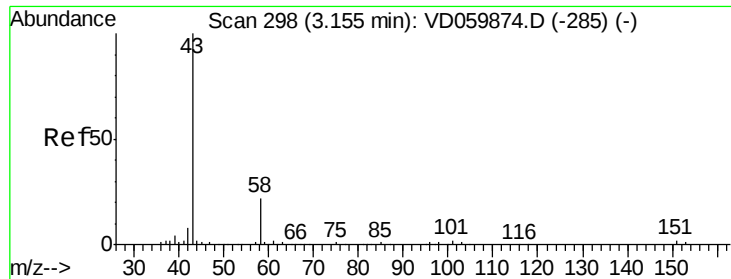
2000

1000

0

Time--> 3.85 3.90 3.95 4.00





#16

Acetone

Concen: 24.86 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

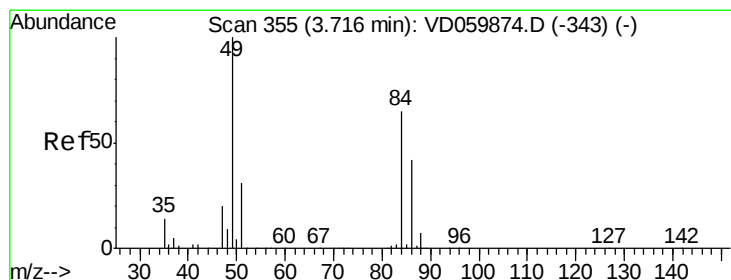
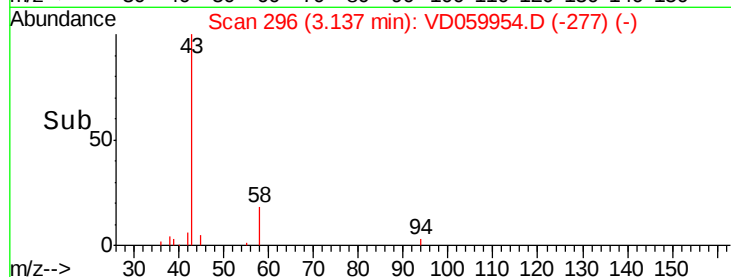
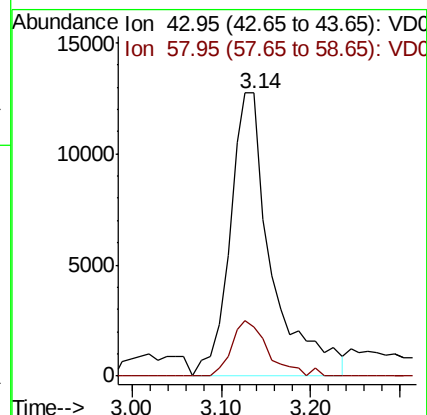
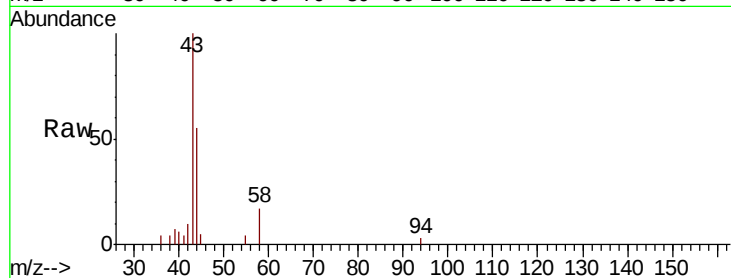
EP1-SUT-UST-07

Tot Ion: 43 Resp: 41465

Ion Ratio Lower Upper

43 100

58 17.2 17.6 26.4#



#20

Methylene Chloride

Concen: 4.39 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Tgt Ion: 84 Resp: 86692

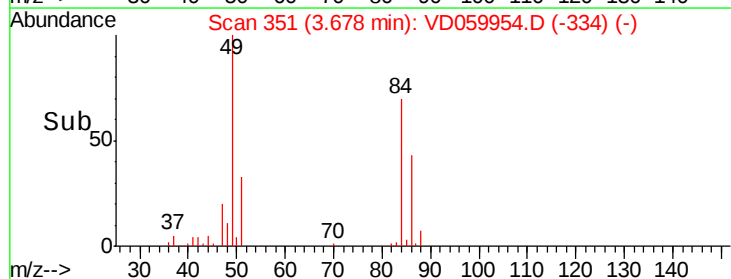
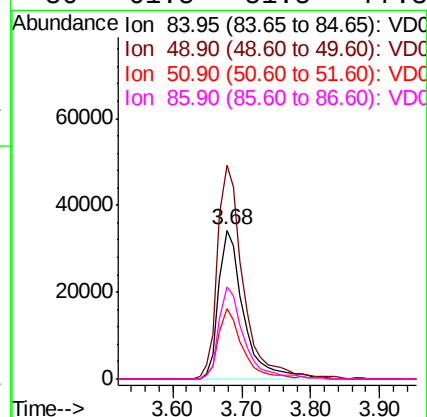
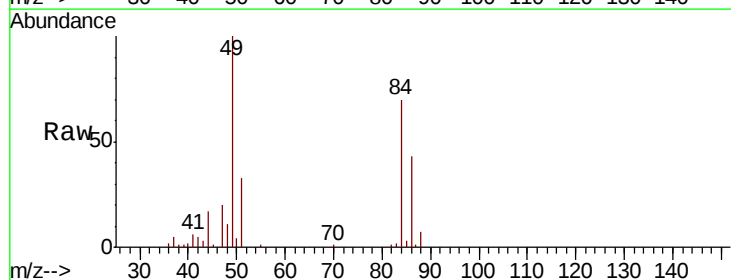
Ion Ratio Lower Upper

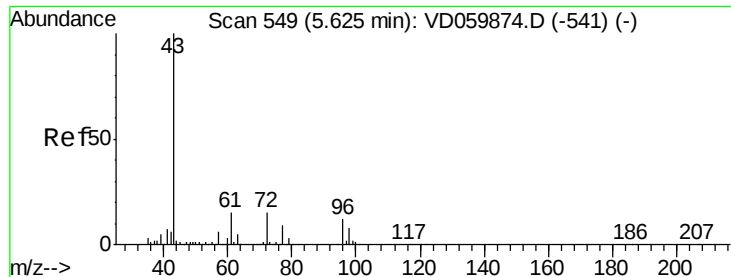
84 100

49 143.2 122.6 183.8

51 47.3 38.4 57.6

86 61.5 51.5 77.3





#25

2-Butanone

Concen: 4.42 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

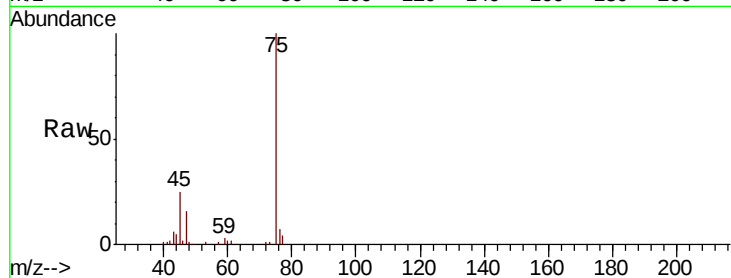
EP1-SUT-UST-07

Tot Ion: 43 Resp: 21836

Ion Ratio Lower Upper

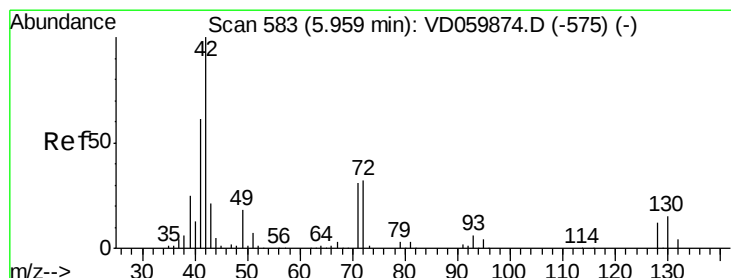
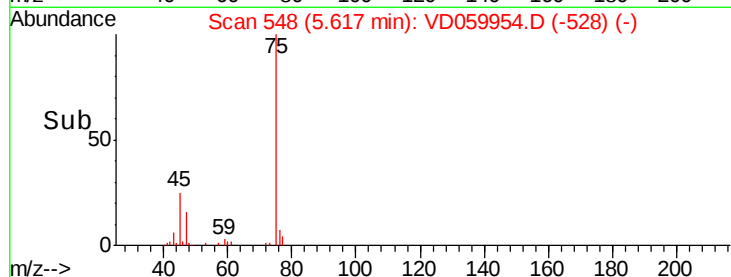
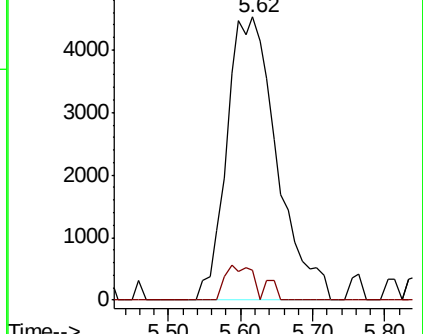
43 100

72 10.4 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: 1.11 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

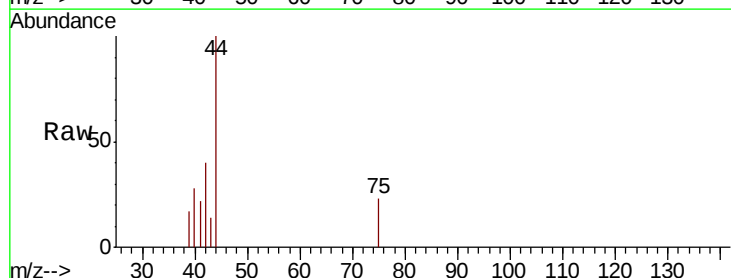
Tgt Ion: 42 Resp: 2615

Ion Ratio Lower Upper

42 100

72 0.0 25.7 38.5#

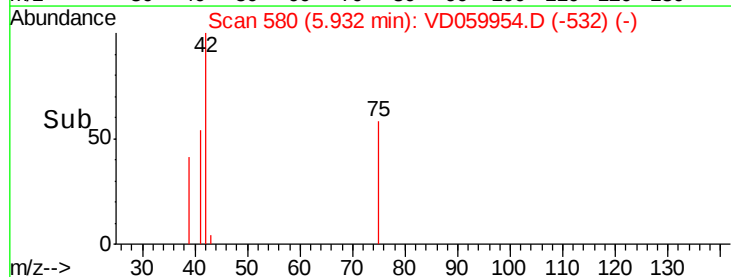
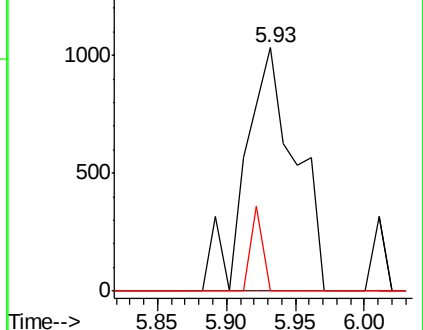
71 8.1 25.3 37.9#

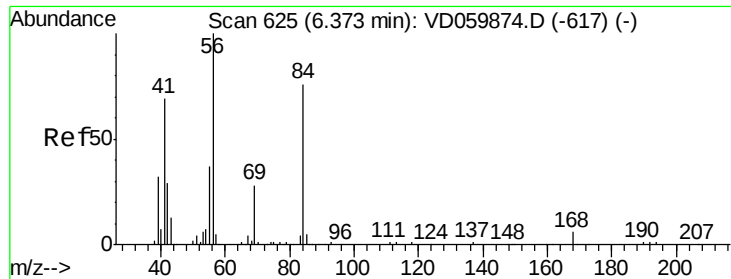


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

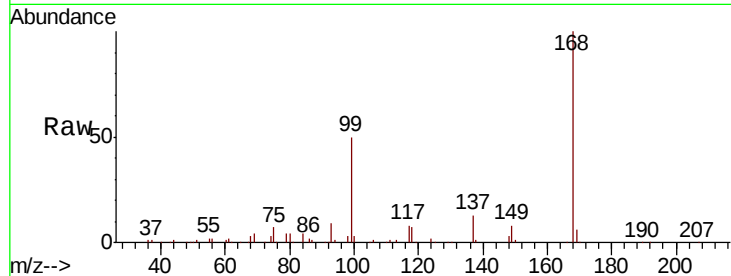




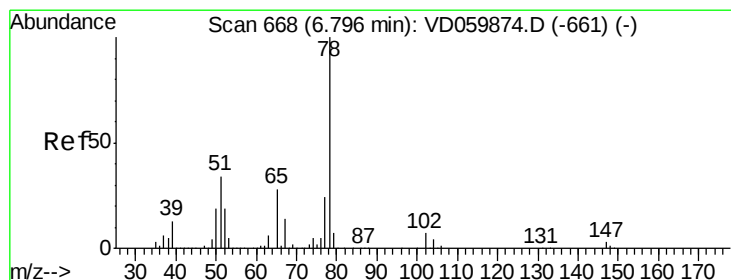
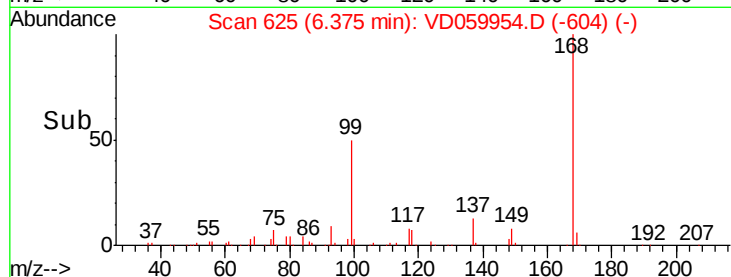
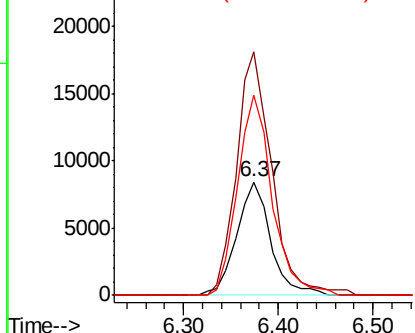
#31
Cvclohexane
Concen: 1.20 ug/l
RT: 6.37 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059954.D
Acq: 4 Sep 2018 19:48

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-07

Tot Ion: 56 Resp: 20956
Ion Ratio Lower Upper
56 100
69 214.4 22.4 33.6#
84 176.0 62.1 93.1#

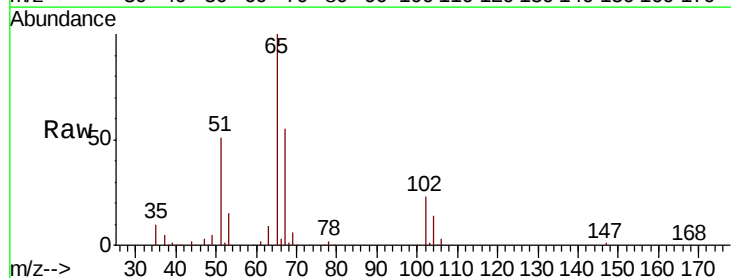


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

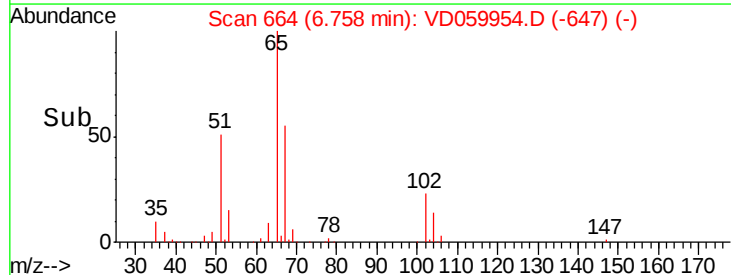
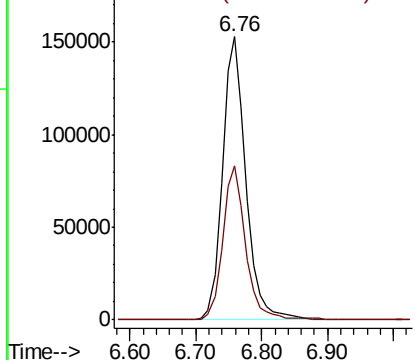


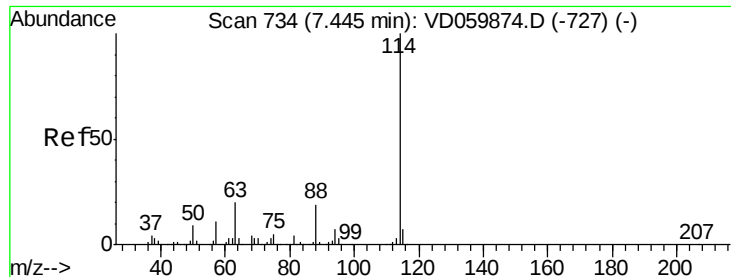
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059954.D
Acq: 4 Sep 2018 19:48

Tgt Ion: 65 Resp: 376924
Ion Ratio Lower Upper
65 100
67 54.6 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: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-07

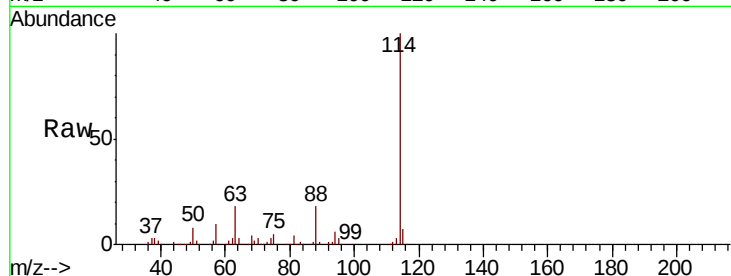
Tot Ion:114 Resp: 1544590

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.4

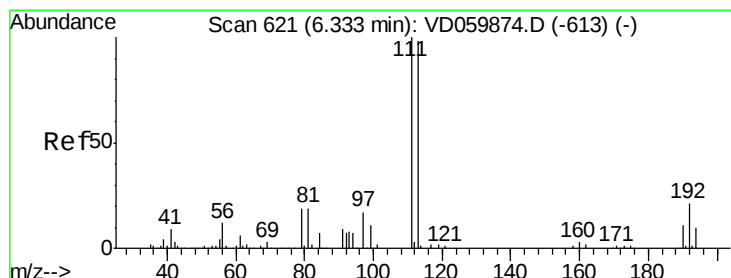
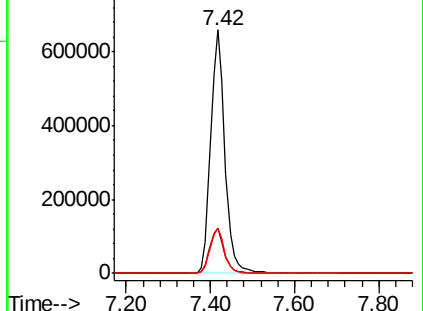
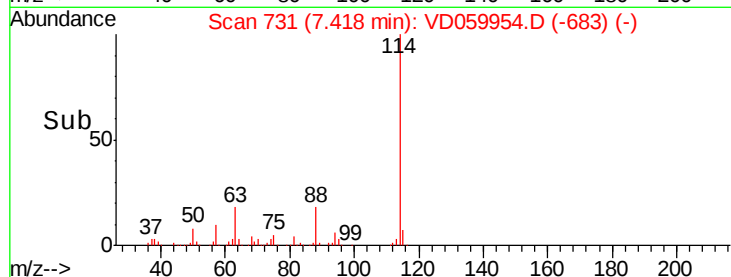
88 18.4 0.0 37.6



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: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

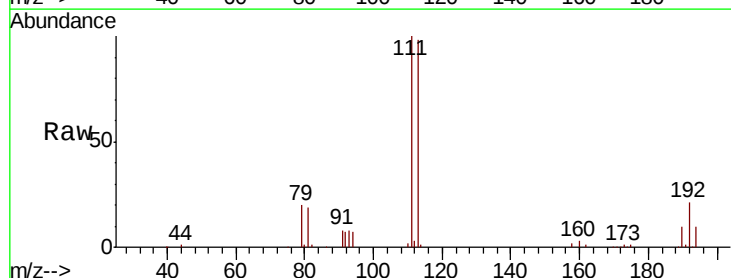
Tgt Ion:113 Resp: 483564

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

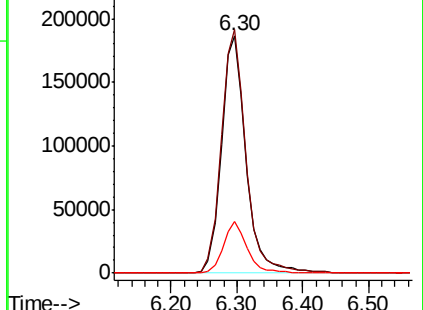
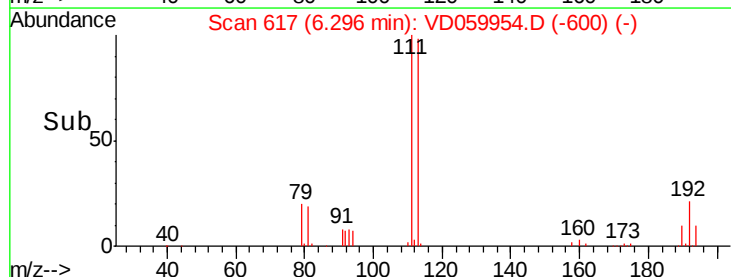
192 21.6 17.0 25.6

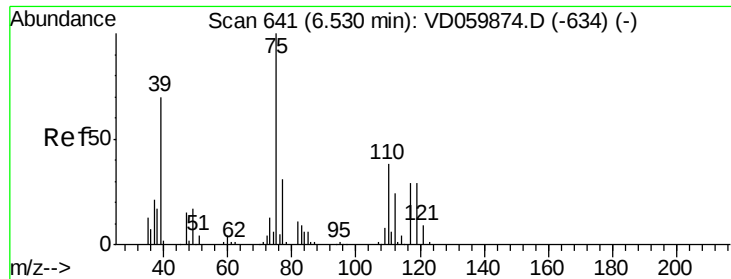


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

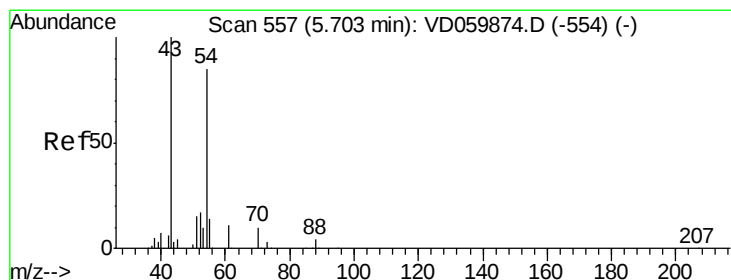
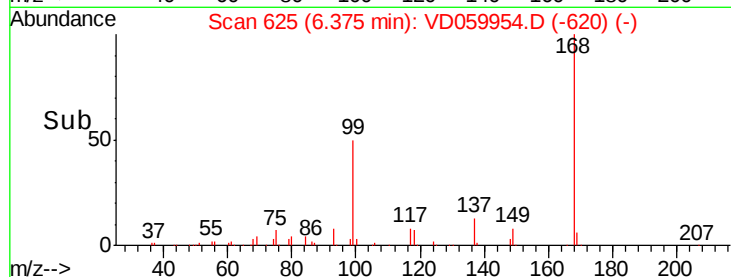
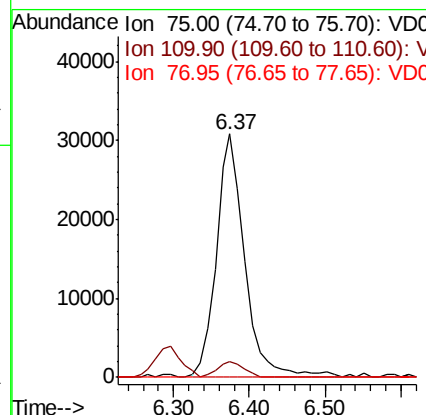
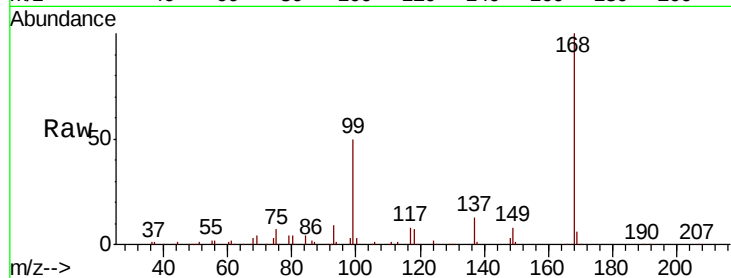




#36
 1,1-Dichloropropene
 Concen: 5.73 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059954.D
 Acq: 4 Sep 2018 19:48

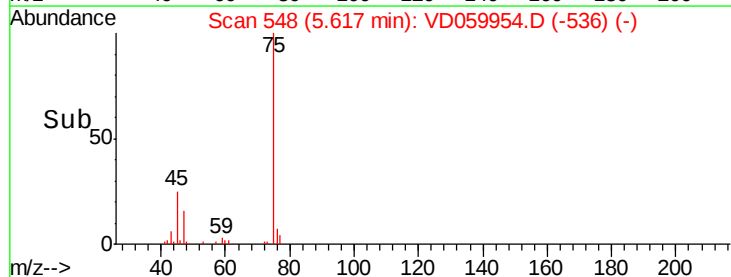
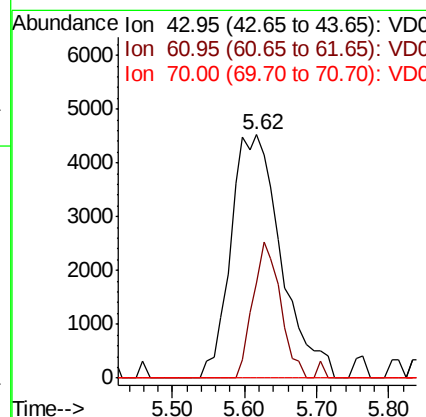
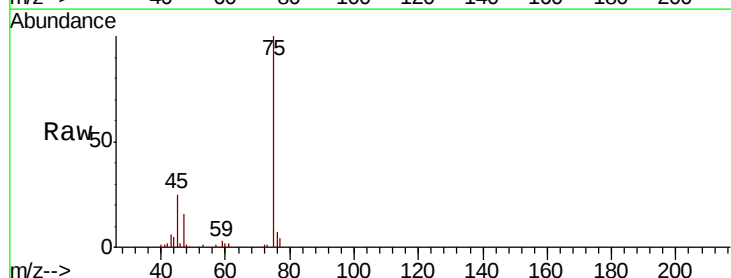
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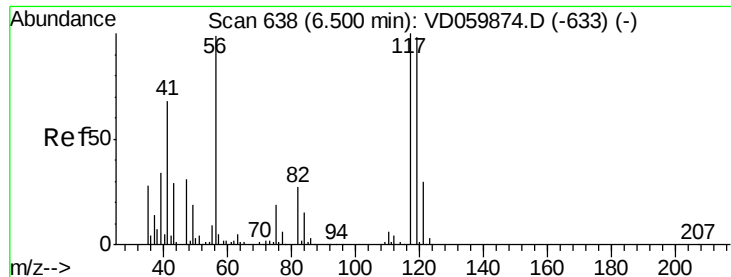
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.2	18.6	56.0#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 2.00 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.09 min
 Lab File: VD059954.D
 Acq: 4 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	39.1	11.0	16.6#
70	0.0	5.7	8.5#





#38

Carbon Tetrachloride

Concen: 6.04 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.13 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-07

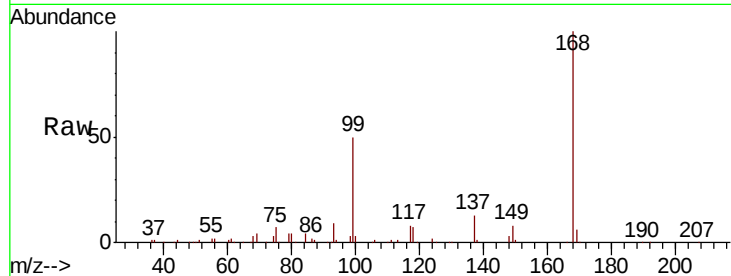
Tot Ion:117 Resp: 85401

Ion Ratio Lower Upper

117 100

119 4.0 77.2 115.8#

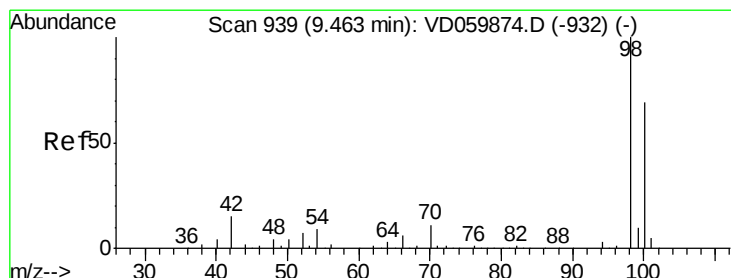
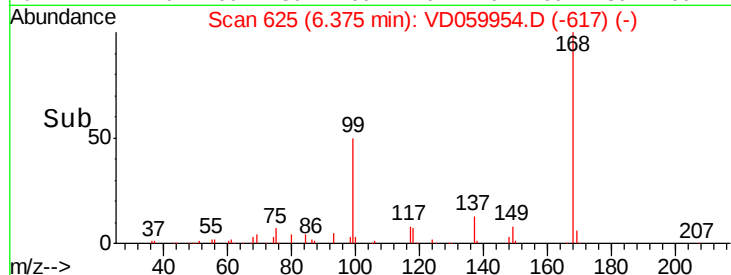
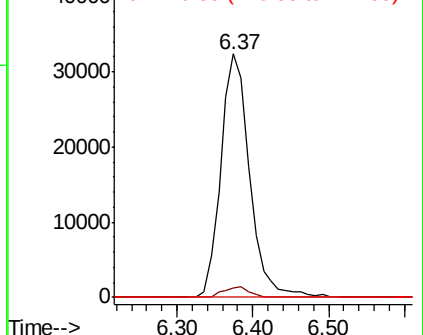
121 0.0 24.0 36.0#



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: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059954.D

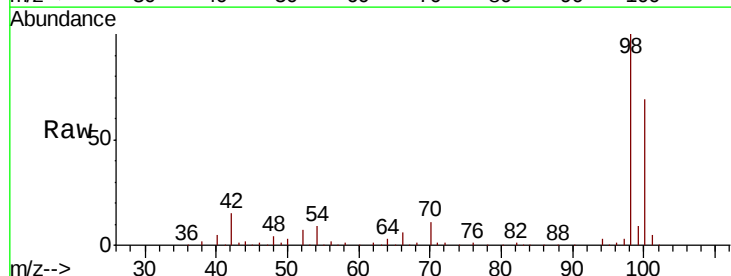
Acq: 4 Sep 2018 19:48

Tgt Ion: 98 Resp: 1291253

Ion Ratio Lower Upper

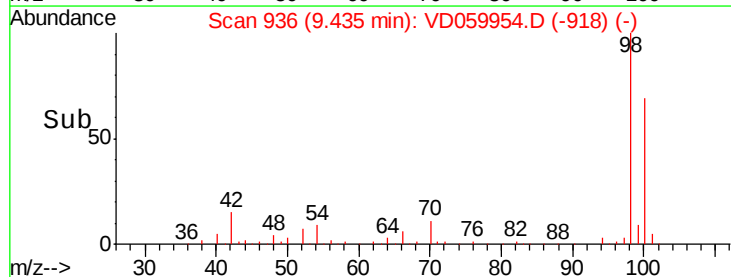
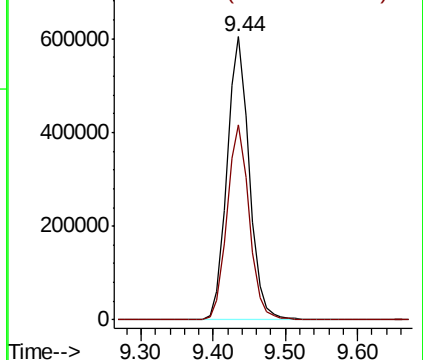
98 100

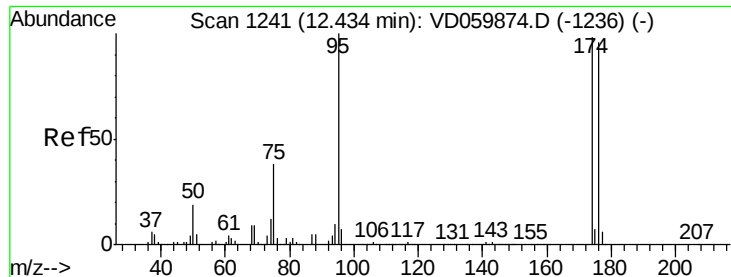
100 68.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

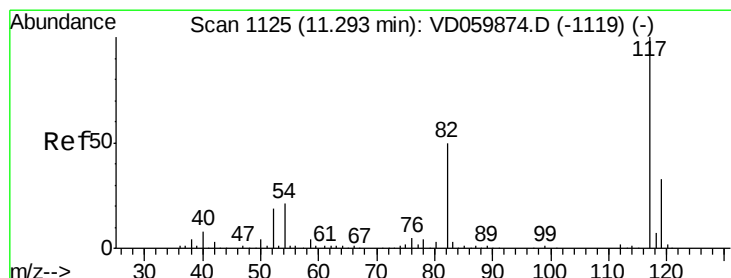
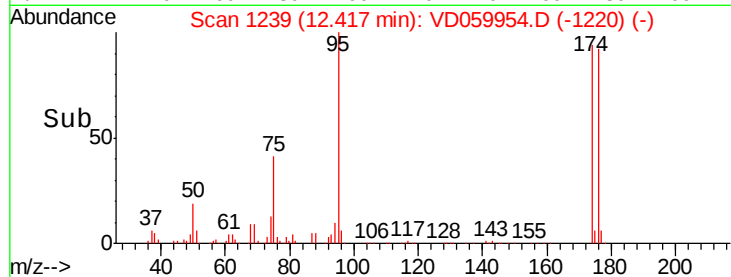
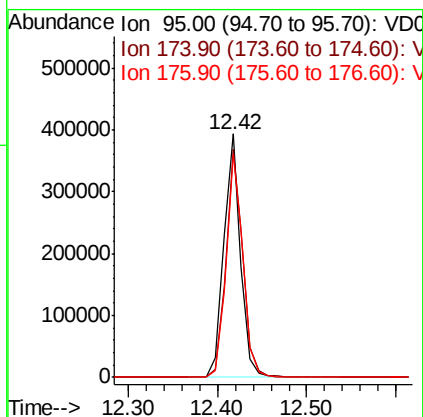
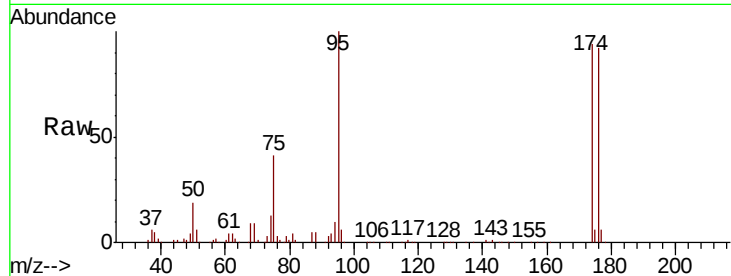




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059954.D
Acq: 4 Sep 2018 19:48

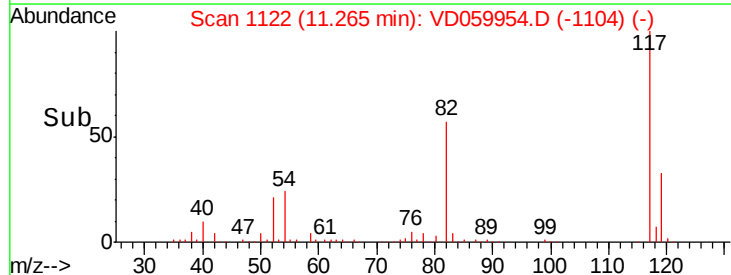
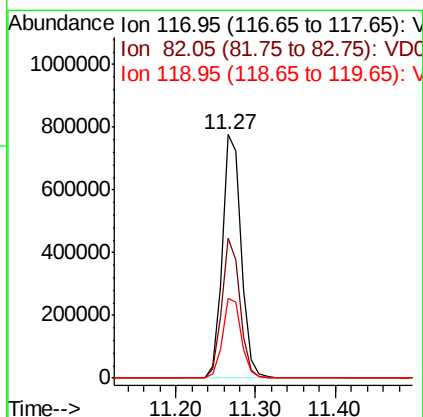
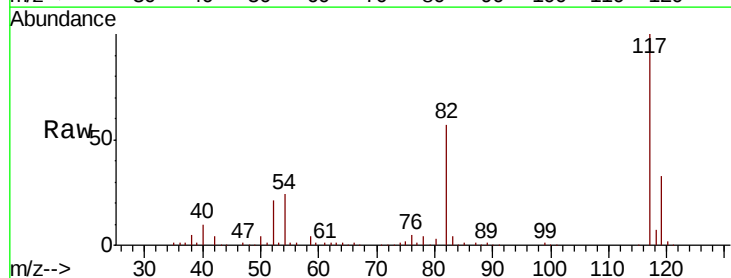
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-07

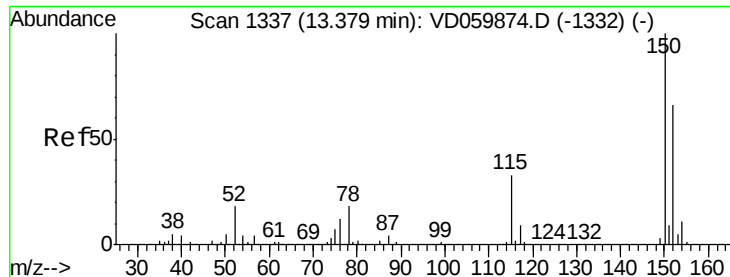
Tot Ion: 95 Resp: 521775
Ion Ratio Lower Upper
95 100
174 93.7 0.0 195.6
176 91.8 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059954.D
Acq: 4 Sep 2018 19:48

Tgt Ion: 117 Resp: 1301553
Ion Ratio Lower Upper
117 100
82 57.5 40.1 60.1
119 32.9 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-07

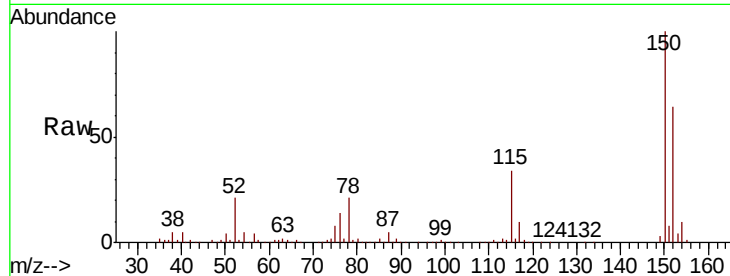
Tot Ion:152 Resp: 729378

Ion Ratio Lower Upper

152 100

115 53.2 25.7 77.0

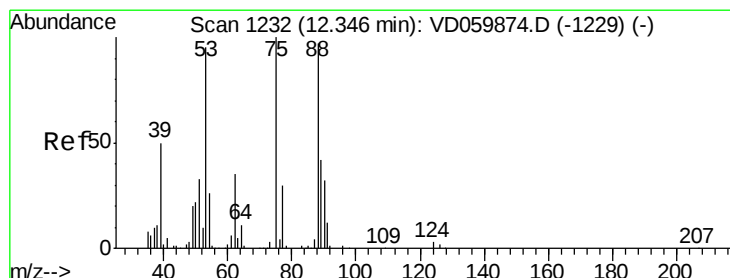
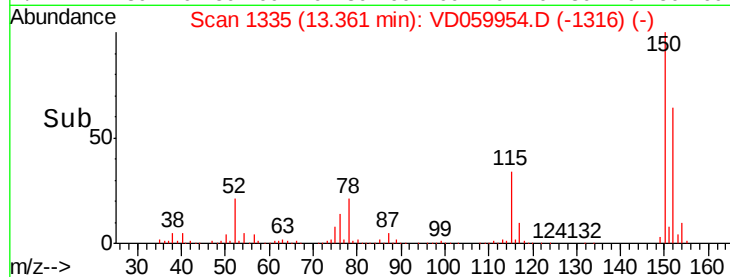
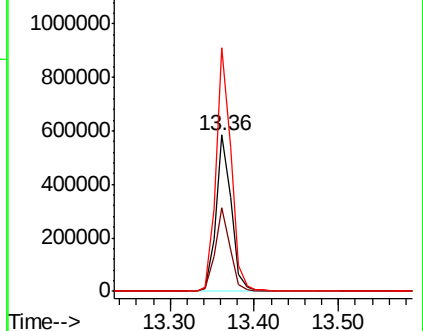
150 155.7 0.0 310.2



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: 61.50 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059954.D

Acq: 4 Sep 2018 19:48

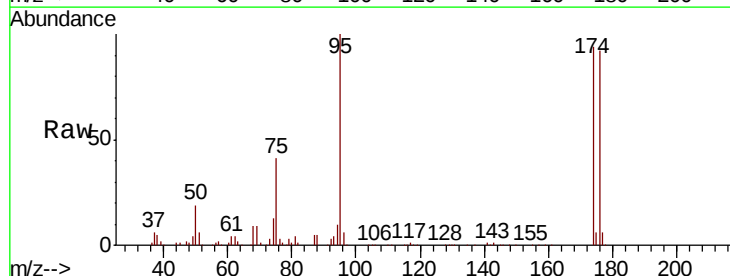
Tgt Ion: 75 Resp: 216851

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

