

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059950.D
 Acq On : 4 Sep 2018 17:54
 Operator : JC/SY
 Sample : J4724-04
 Misc : 5.77g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-03

Quant Time: Sep 05 03:54:08 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	6.38	168	1079122	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1476728	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1175893	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	592418	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	371729	40.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	81.74%	
35) Dibromofluoromethane	6.29	113	475148	41.04	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	82.08%	
50) Toluene-d8	9.43	98	1241768	38.65	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	77.30%	
62) 4-Bromofluorobenzene	12.41	95	455402	34.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.80%	

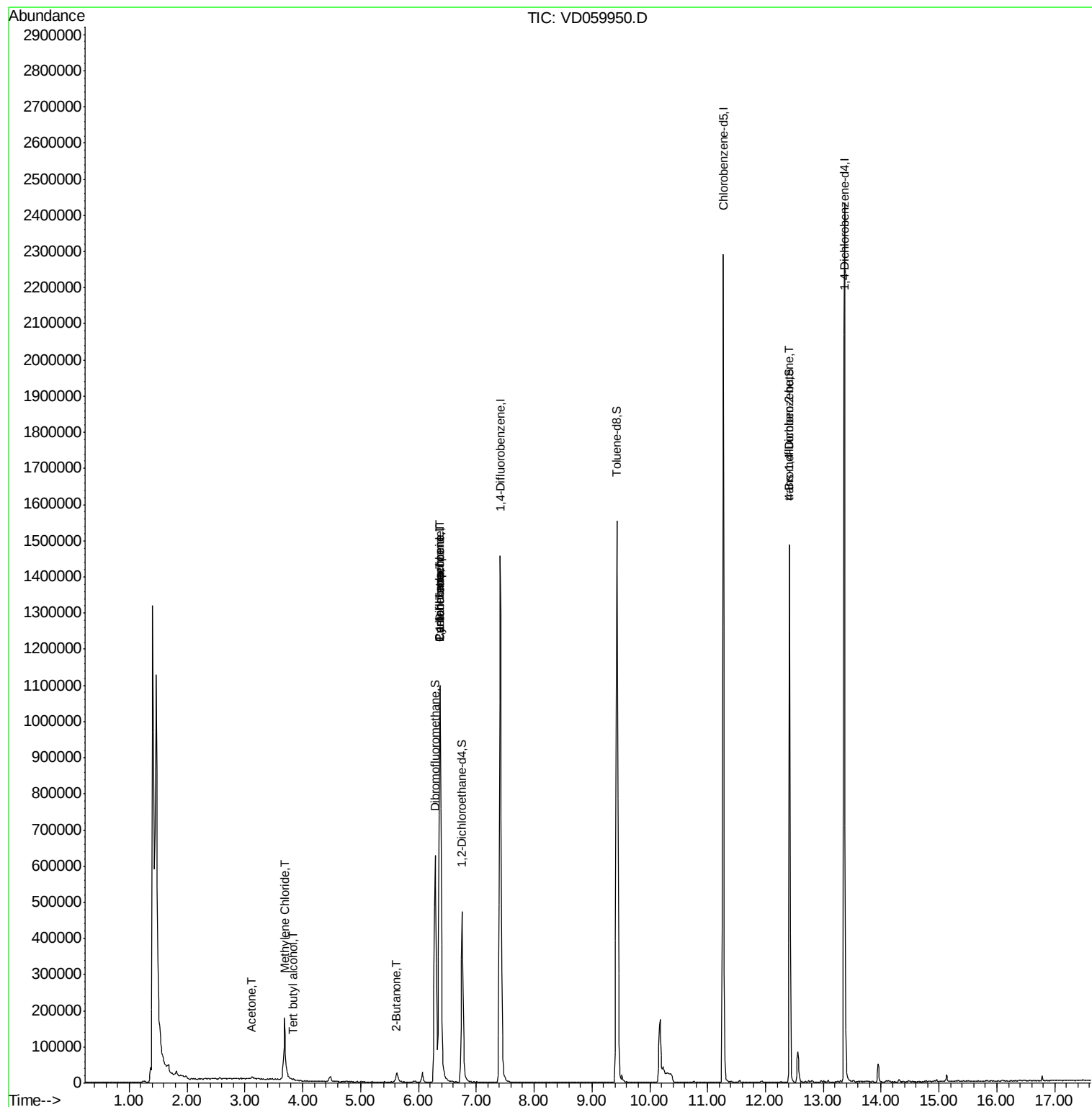
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.84	59	1733	2.50	ug/l #	75
16) Acetone	3.12	43	10417	6.29	ug/l #	82
20) Methylene Chloride	3.68	84	81492	3.94	ug/l	96
25) 2-Butanone	5.60	43	5347	1.09	ug/l #	63
31) Cyclohexane	6.37	56	20181	1.17	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	78850	5.89	ug/l #	47
38) Carbon Tetrachloride	6.37	117	85717	6.34	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	186276	65.04	ug/l #	12
89) n-Butylbenzene	13.64	91	1256	Below Cal	#	79

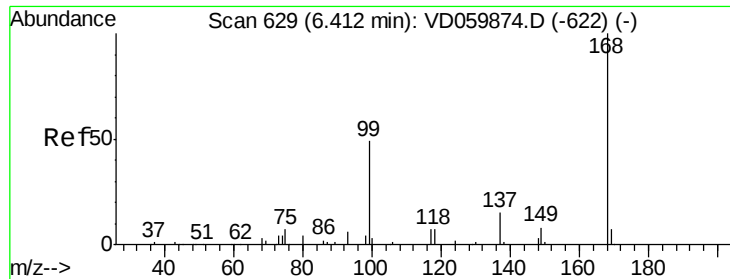
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

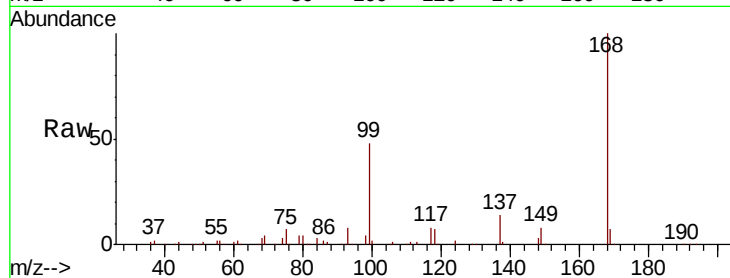
EP1-SUT-UST-03

Tot Ion:168 Resp: 1079122

Ion Ratio Lower Upper

168 100

99 48.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

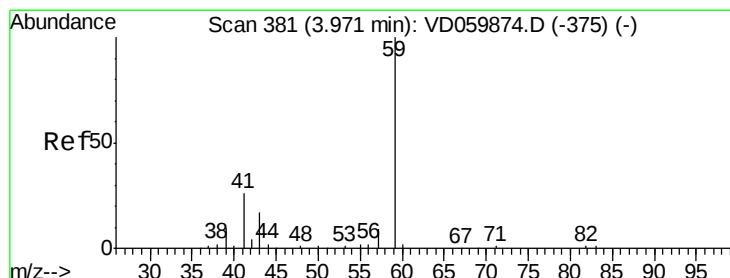
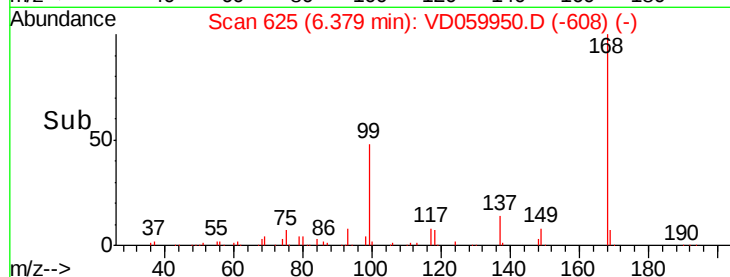
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.50 ug/l

RT: 3.84 min Scan# 367

Delta R.T. -0.13 min

Lab File: VD059950.D

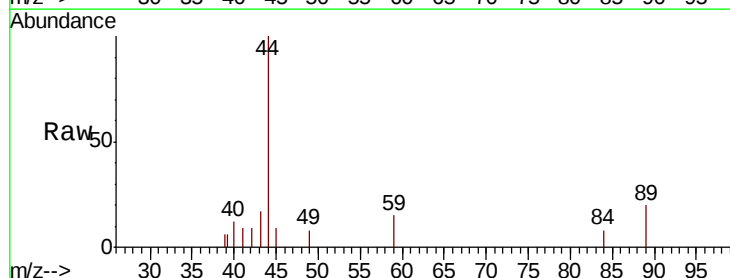
Acq: 4 Sep 2018 17:54

Tgt Ion: 59 Resp: 1733

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

3.84

800

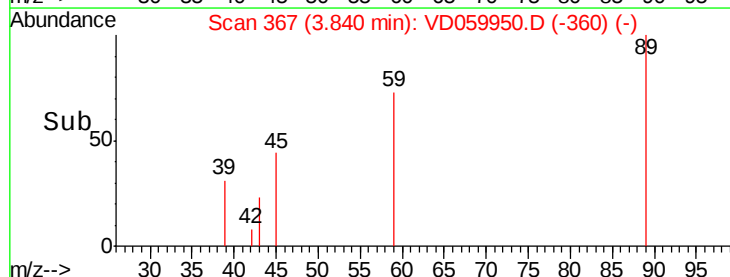
600

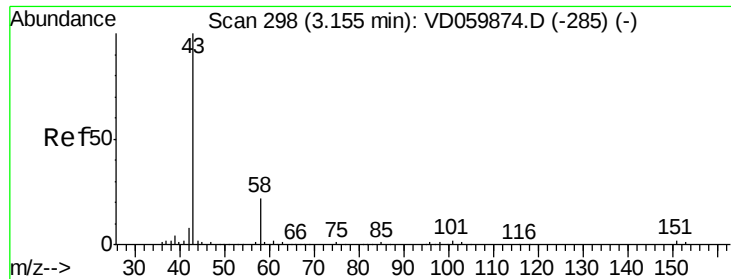
400

200

0

Time-->





#16

Acetone

Concen: 6.29 ug/l

RT: 3.12 min Scan# 294

Delta R.T. -0.03 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

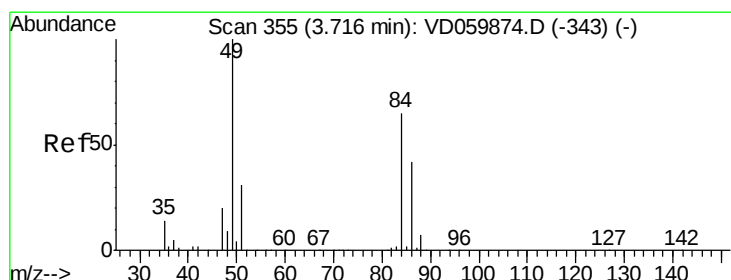
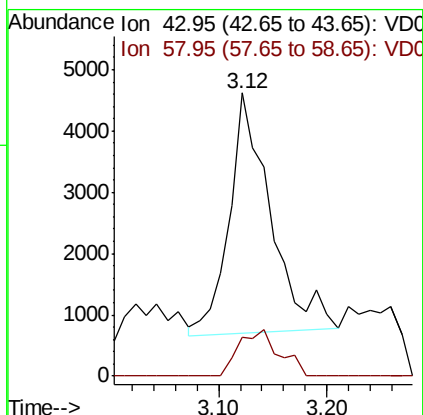
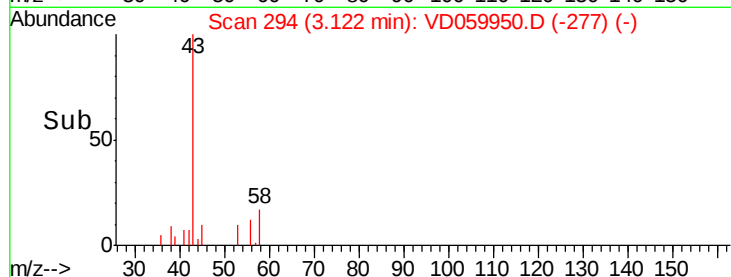
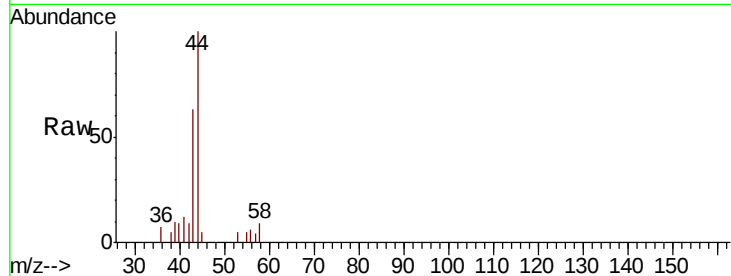
EP1-SUT-UST-03

Tot Ion: 43 Resp: 10417

Ion Ratio Lower Upper

43 100

58 13.6 17.6 26.4#



#20

Methylene Chloride

Concen: 3.94 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Tgt Ion: 84 Resp: 81492

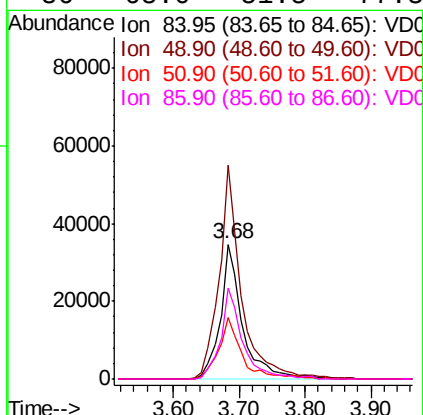
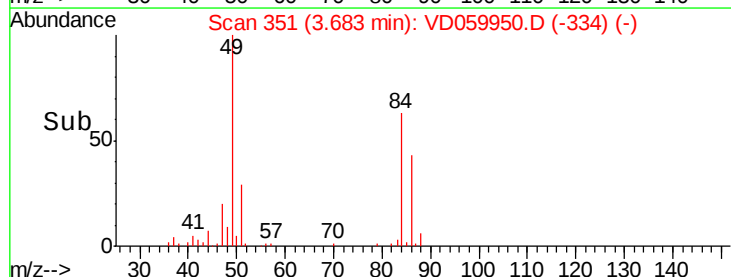
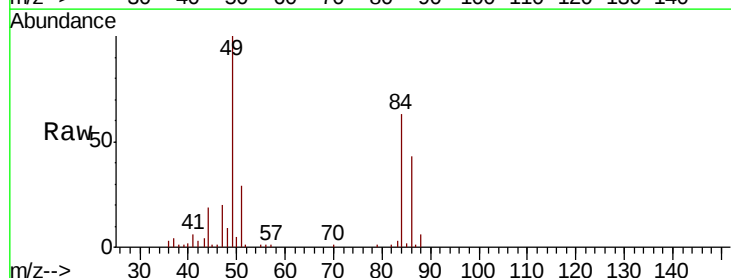
Ion Ratio Lower Upper

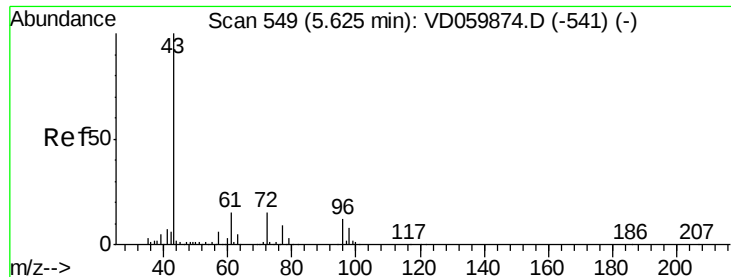
84 100

49 158.7 122.6 183.8

51 45.6 38.4 57.6

86 68.0 51.5 77.3

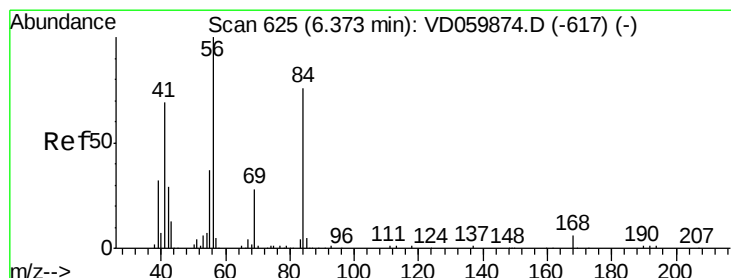
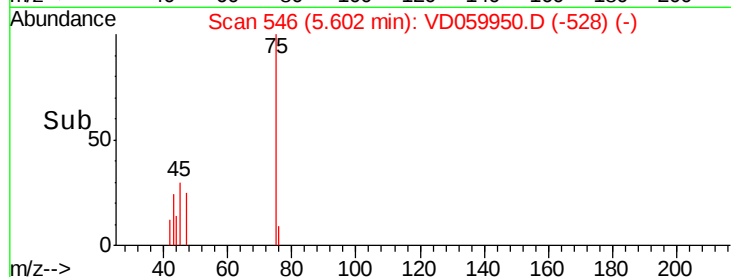
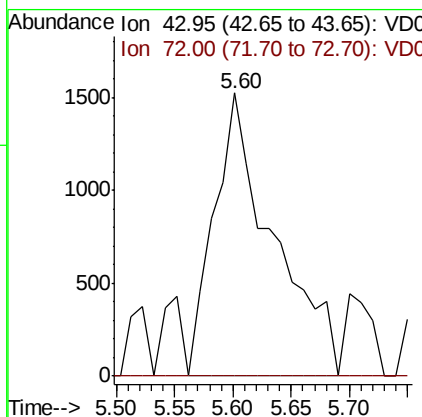
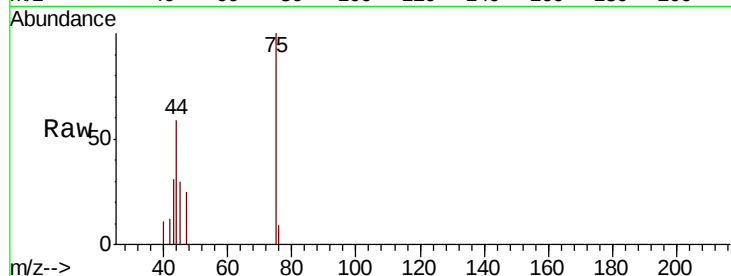




#25
2-Butanone
Concen: 1.09 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.02 min
Lab File: VD059950.D
Acq: 4 Sep 2018 17:54

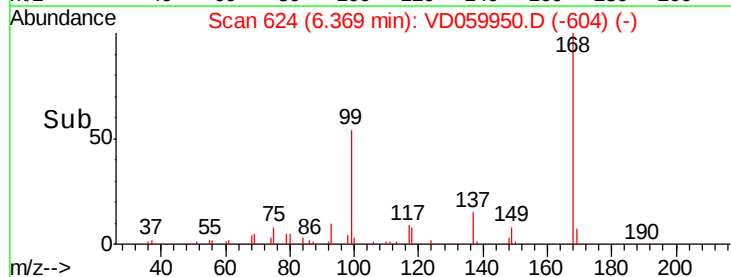
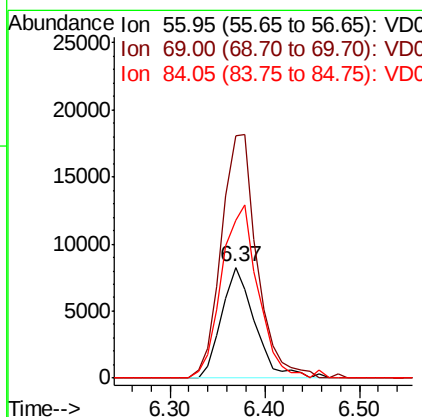
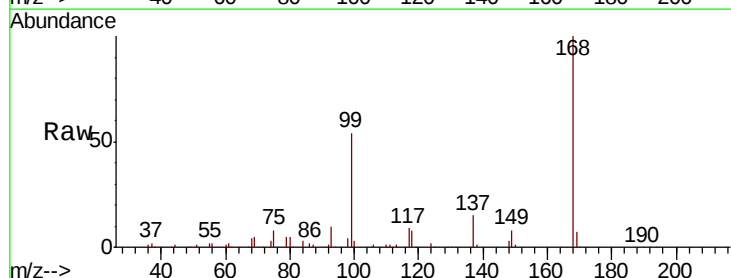
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-03

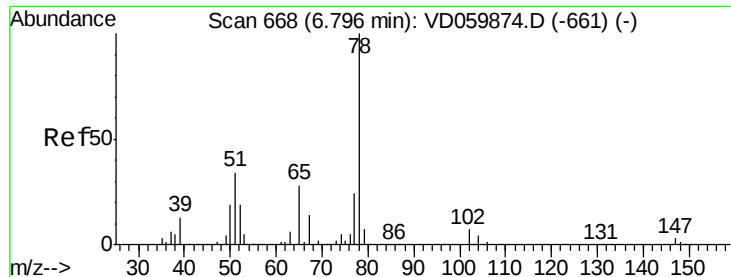
Tot Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 6.37 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD059950.D
Acq: 4 Sep 2018 17:54

Tgt Ion: 56 Resp: 20181
Ion Ratio Lower Upper
56 100
69 218.1 22.4 33.6#
84 142.8 62.1 93.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.75 min Scan# 663

Delta R.T. -0.04 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

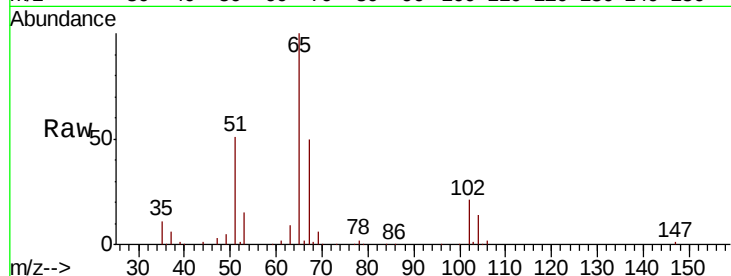
EP1-SUT-UST-03

Tot Ion: 65 Resp: 371729

Ion Ratio Lower Upper

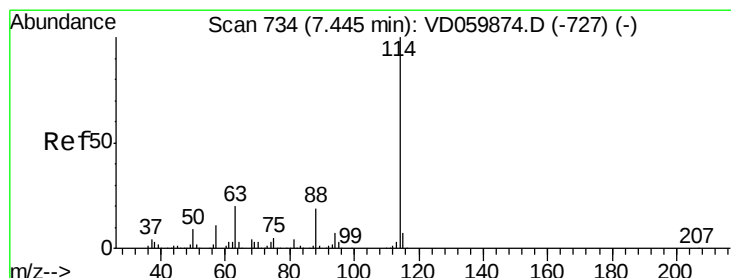
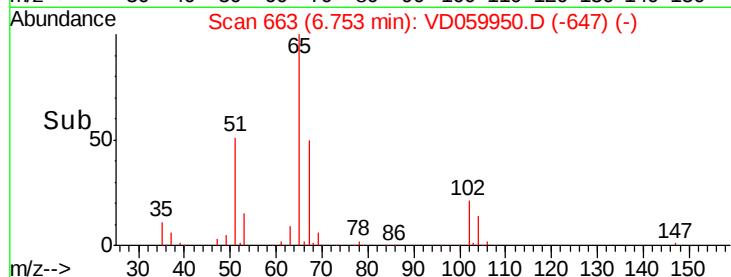
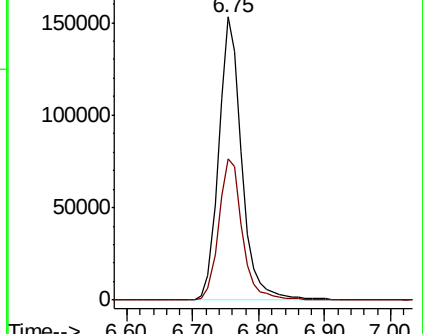
65 100

67 50.0 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: VD059950.D

Acq: 4 Sep 2018 17:54

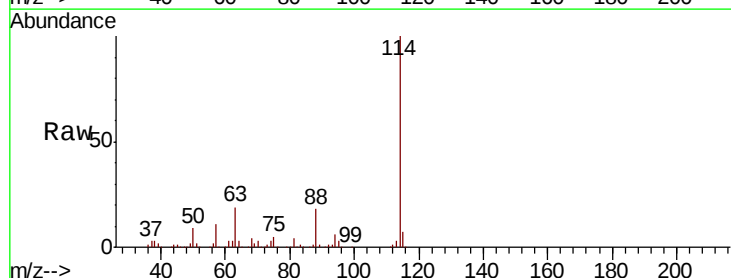
Tgt Ion: 114 Resp: 1476728

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

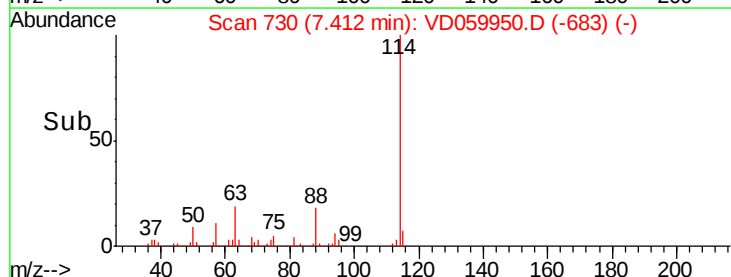
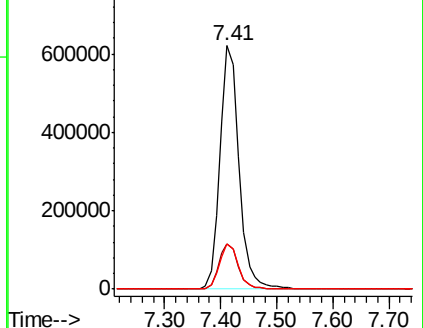
88 18.4 0.0 37.6

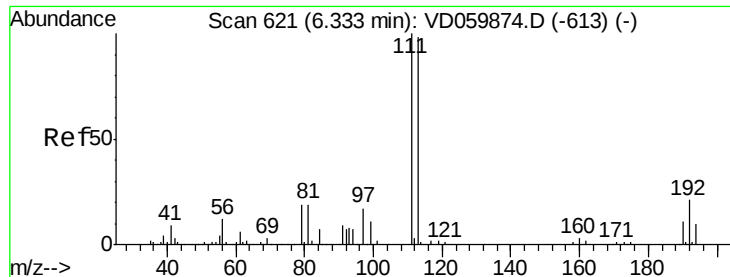


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): 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: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-03

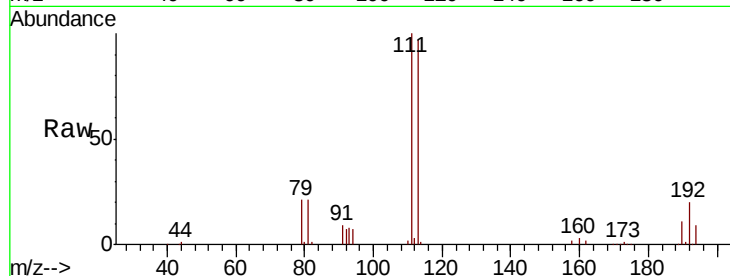
Tot Ion:113 Resp: 475148

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

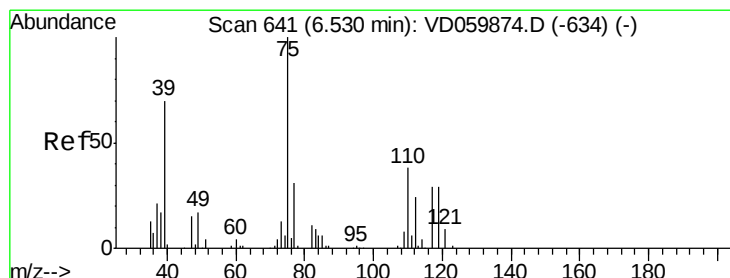
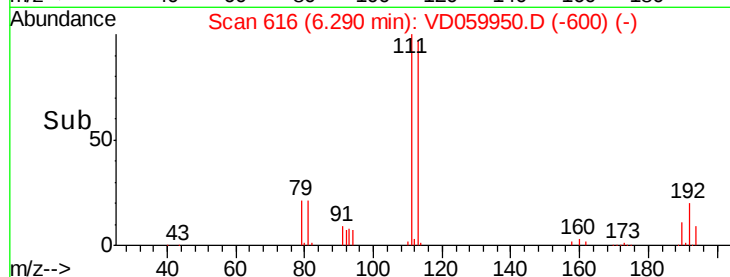
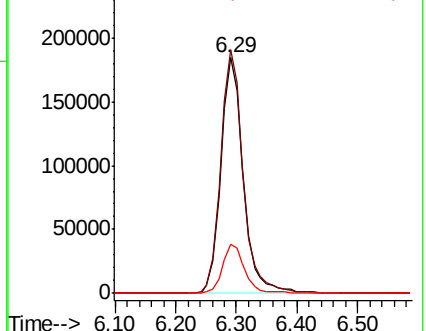
192 20.7 17.0 25.6



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: 5.89 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.16 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

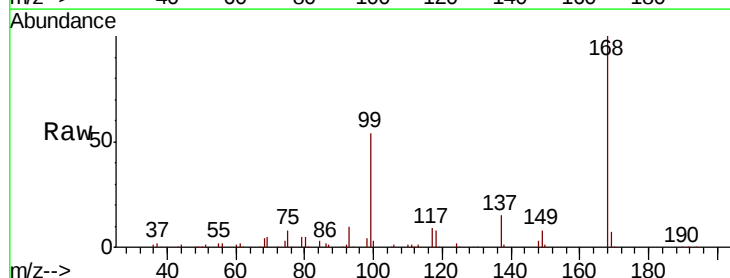
Tgt Ion: 75 Resp: 78850

Ion Ratio Lower Upper

75 100

110 7.5 18.6 56.0#

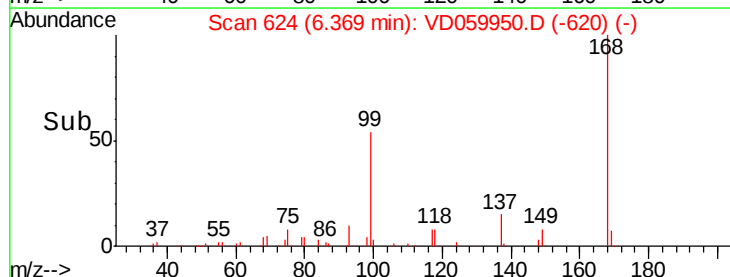
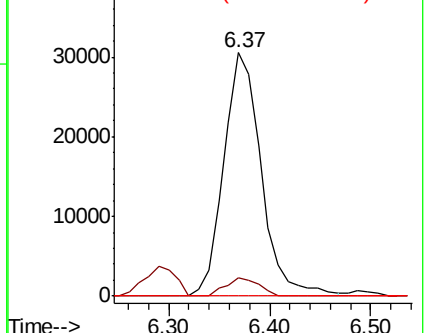
77 0.0 25.1 37.7#

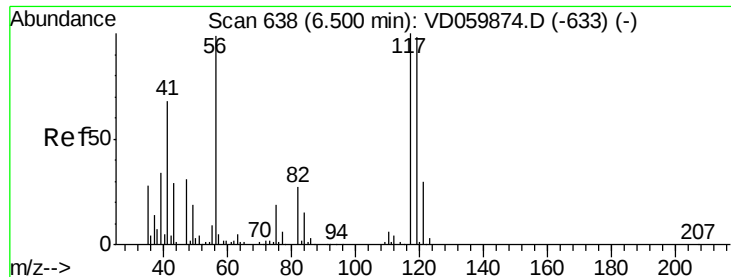


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.34 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.13 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-03

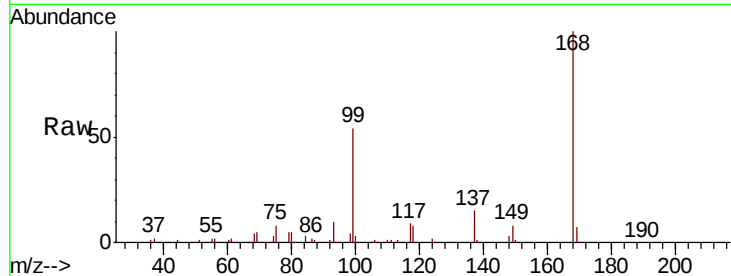
Tot Ion:117 Resp: 85717

Ion Ratio Lower Upper

117 100

119 4.1 77.2 115.8#

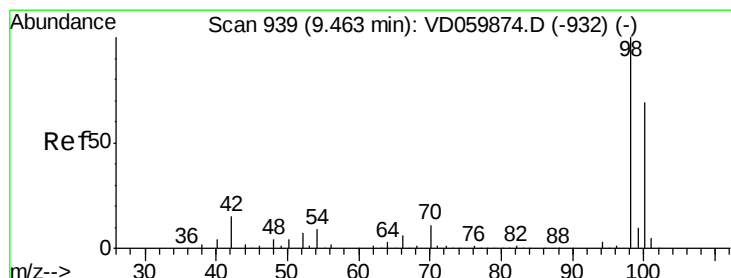
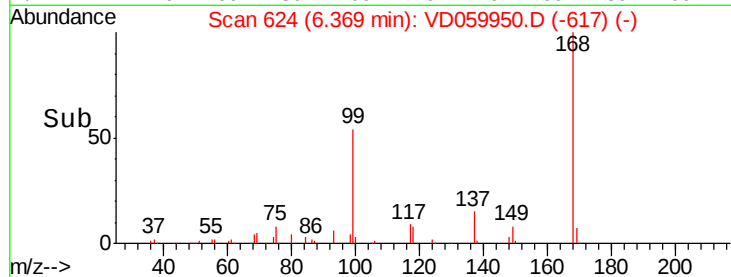
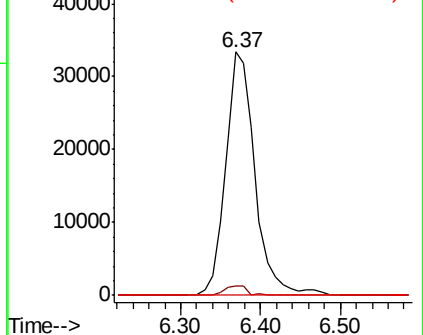
121 0.0 24.0 36.0#



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: VD059950.D

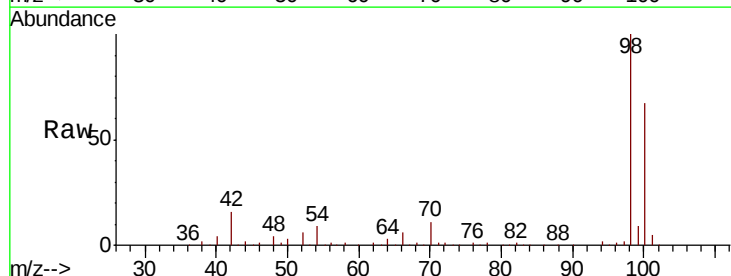
Acq: 4 Sep 2018 17:54

Tgt Ion: 98 Resp: 1241768

Ion Ratio Lower Upper

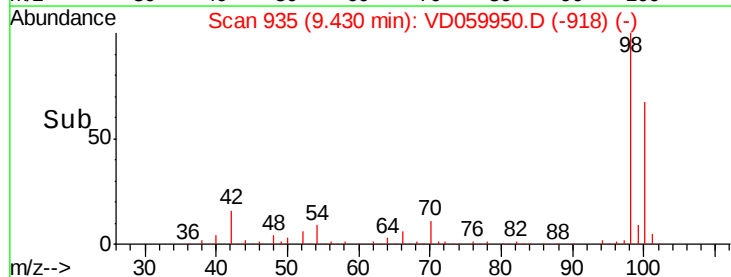
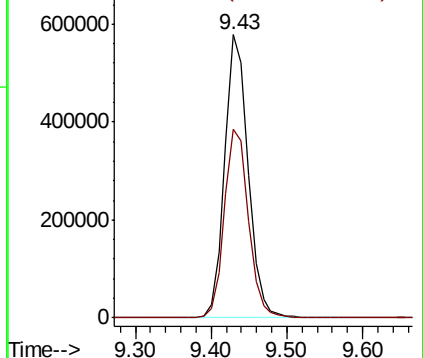
98 100

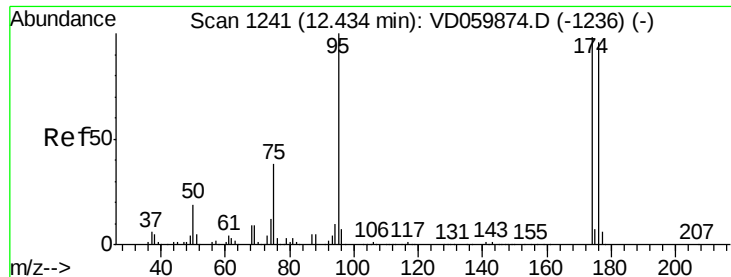
100 66.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

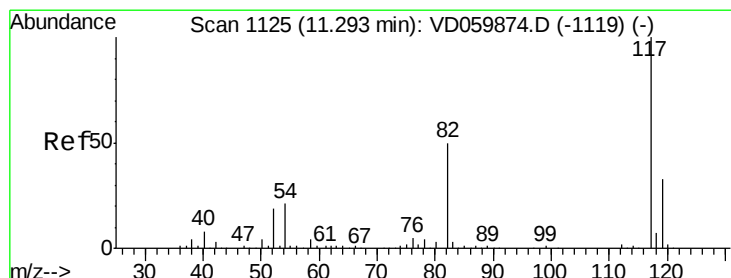
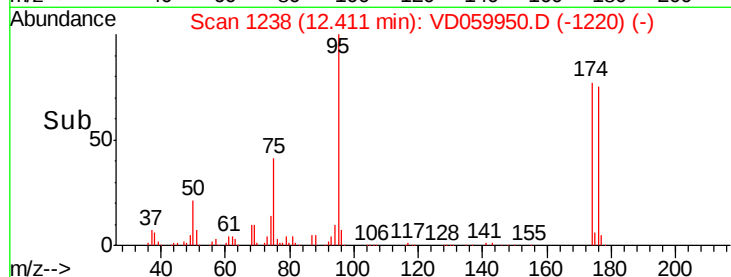
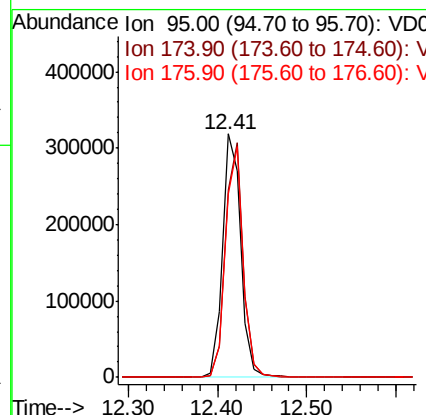
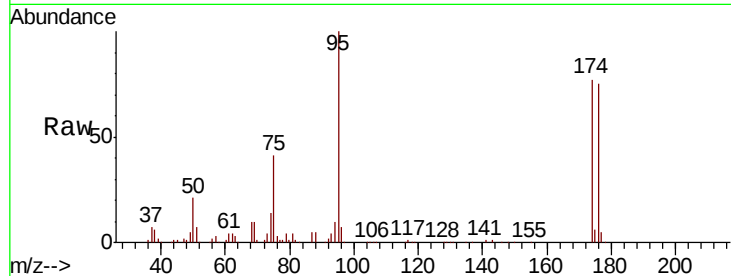




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD059950.D
Acq: 4 Sep 2018 17:54

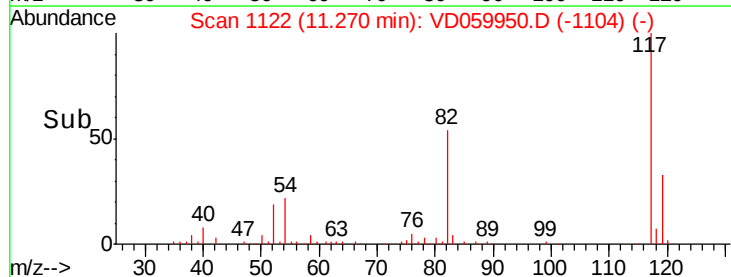
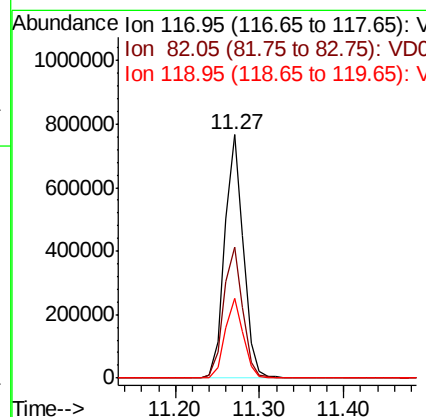
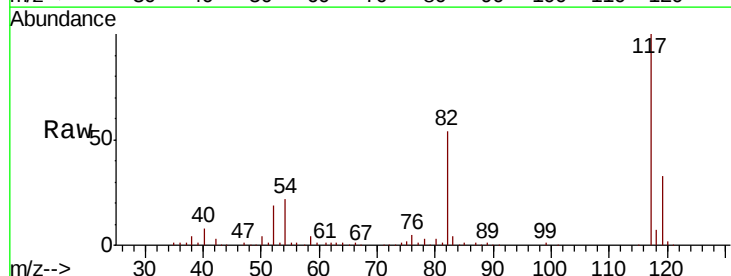
Instrument :
MSVOA_D
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EP1-SUT-UST-03

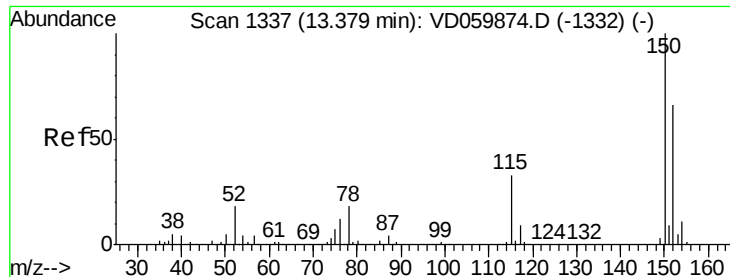
Tot Ion: 95 Resp: 455402
Ion Ratio Lower Upper
95 100
174 77.1 0.0 195.6
176 75.3 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059950.D
Acq: 4 Sep 2018 17:54

Tgt Ion: 117 Resp: 1175893
Ion Ratio Lower Upper
117 100
82 53.9 40.1 60.1
119 32.5 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-03

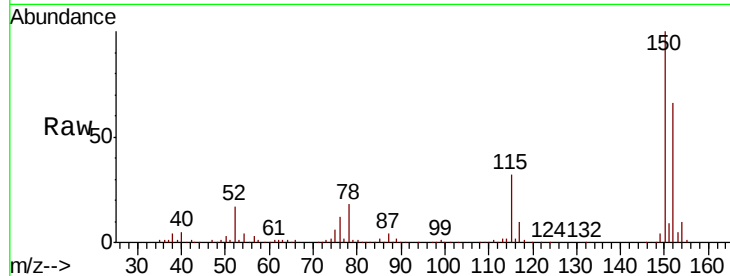
Tot Ion:152 Resp: 592418

Ion Ratio Lower Upper

152 100

115 48.1 25.7 77.0

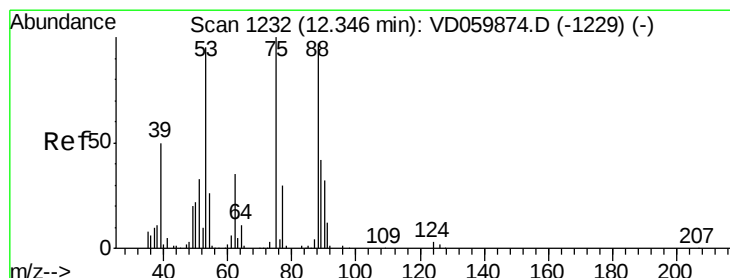
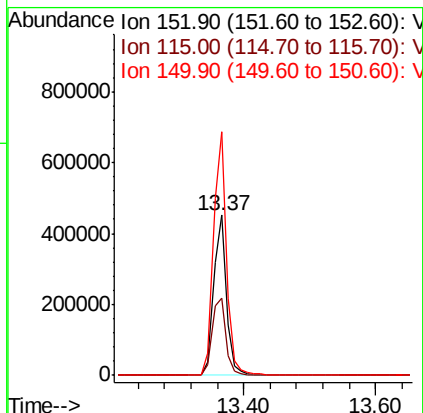
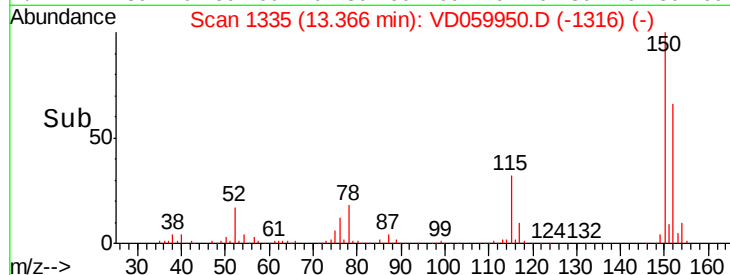
150 152.2 0.0 310.2



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: 65.04 ug/l

RT: 12.41 min Scan# 1238

Delta R.T. 0.07 min

Lab File: VD059950.D

Acq: 4 Sep 2018 17:54

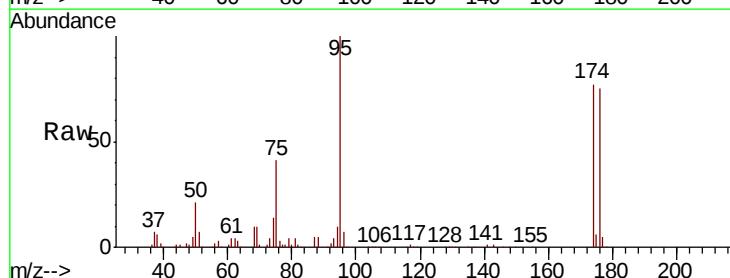
Tgt Ion: 75 Resp: 186276

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

