

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\  
 Data File : VD059956.D  
 Acq On : 4 Sep 2018 20:45  
 Operator : JC/SY  
 Sample : J4724-10  
 Misc : 5.72g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP1-SUT-UST-09

Quant Time: Sep 05 03:55:17 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	1004833	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1385507	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1190352	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	647462	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	396045	46.76	ug/l	-0.04
Spiked Amount				50.000		
Recovery						= 93.52%
35) Dibromofluoromethane	6.28	113	488433	44.97	ug/l	-0.05
Spiked Amount				50.000		
Recovery						= 89.94%
50) Toluene-d8	9.43	98	1299631	43.11	ug/l	-0.03
Spiked Amount				50.000		
Recovery						= 86.22%
62) 4-Bromofluorobenzene	12.41	95	522608	42.68	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 85.36%

Target Compounds

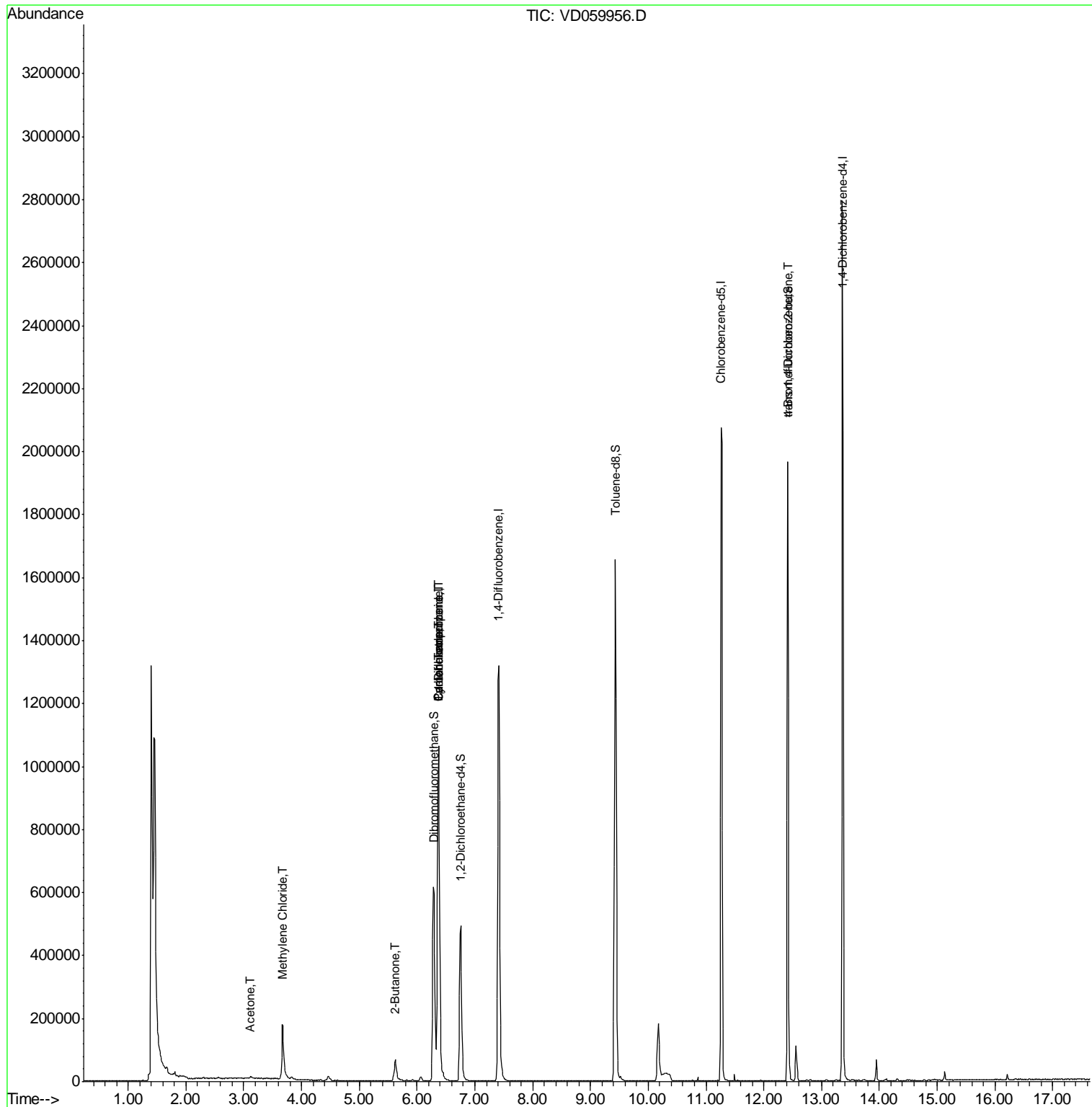
						Qvalue
16) Acetone	3.11	43	10838	7.02	ug/l	# 87
20) Methylene Chloride	3.68	84	90156	5.44	ug/l	91
25) 2-Butanone	5.61	43	6587	1.44	ug/l	# 63
31) Cyclohexane	6.37	56	19014	1.18	ug/l	# 1
36) 1,1-Dichloropropene	6.37	75	69301	5.52	ug/l	# 46
38) Carbon Tetrachloride	6.37	117	79859	6.30	ug/l	# 15
81) trans-1,4-Dichloro-2-buten	12.41	75	218179	69.70	ug/l	# 12
89) n-Butylbenzene	13.63	91	837	Below Cal		# 84

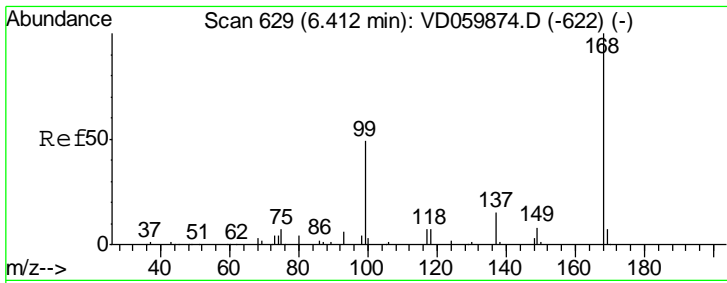
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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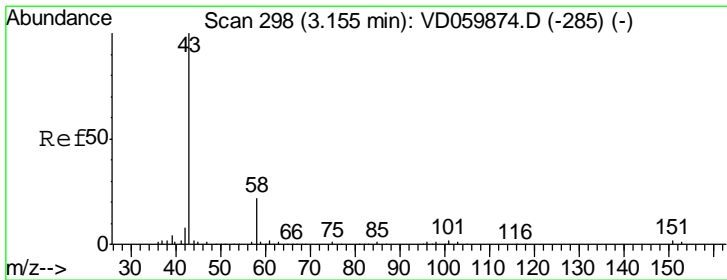
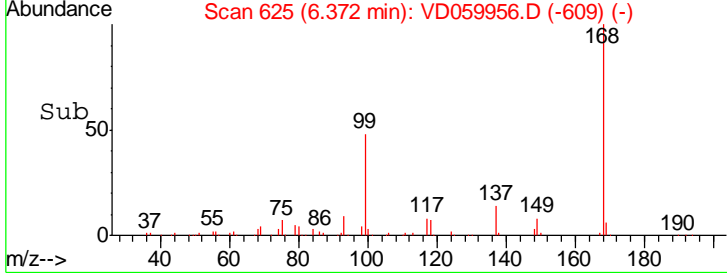
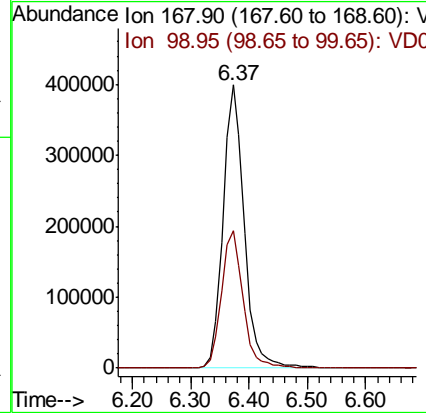
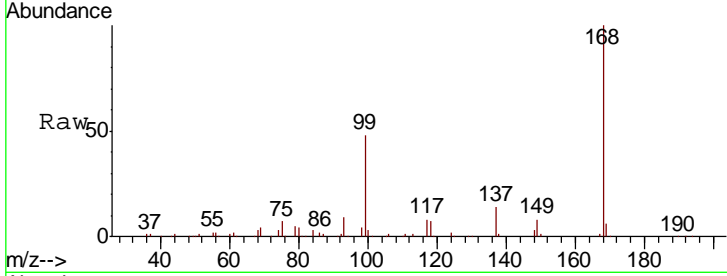




#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.37 min Scan# 625  
 Delta R.T. -0.04 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

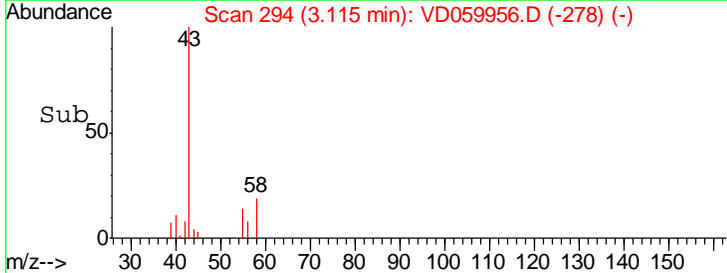
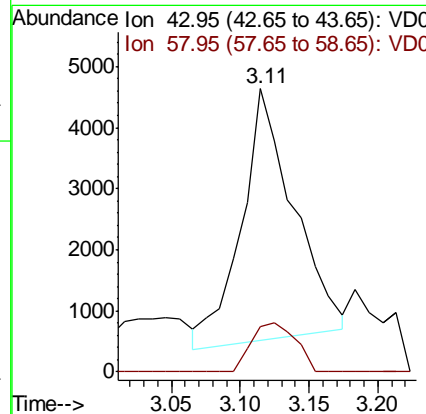
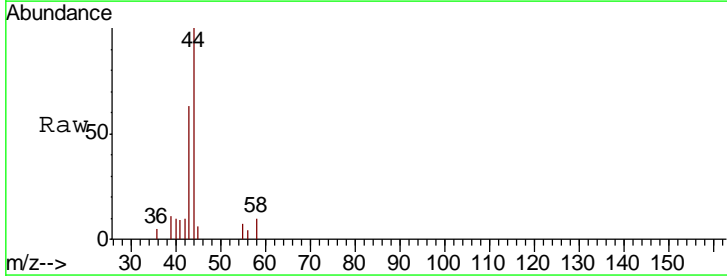
Instrument :  
 MSVOA\_D  
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 EP1-SUT-UST-09

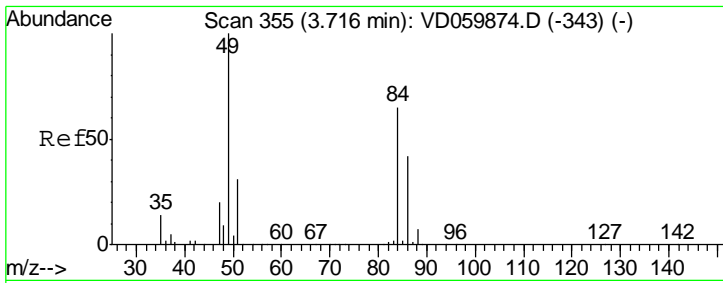
Tgt Ion: 168 Resp: 1004833  
 Ion Ratio Lower Upper  
 168 100  
 99 48.4 42.2 63.2



#16  
 Acetone  
 Concen: 7.02 ug/l  
 RT: 3.11 min Scan# 294  
 Delta R.T. -0.04 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion: 43 Resp: 10838  
 Ion Ratio Lower Upper  
 43 100  
 58 15.9 17.6 26.4#

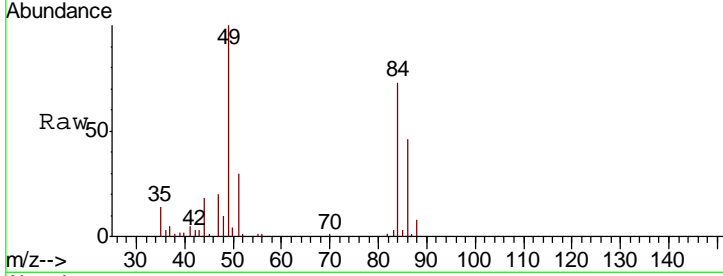




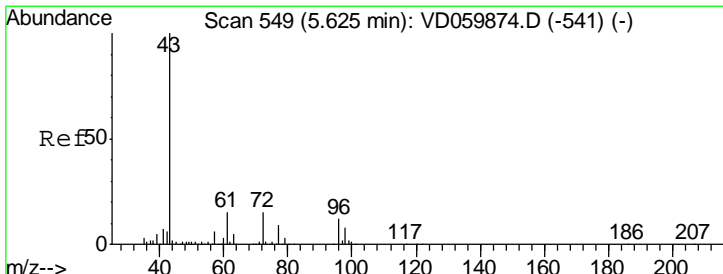
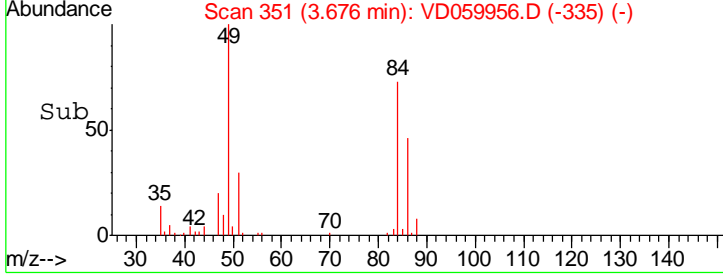
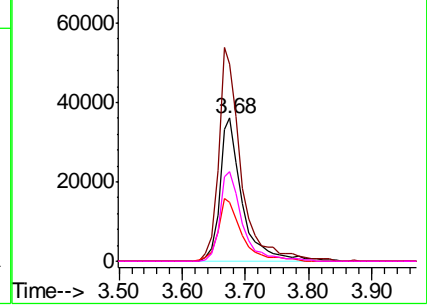
#20  
 Methylene Chloride  
 Concen: 5.44 ug/l  
 RT: 3.68 min Scan# 351  
 Delta R.T. -0.04 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Instrument : MSVOA\_D  
 ClientSampleId : EP1-SUT-UST-09

Tgt Ion	Resp	Lower	Upper
84	100		
49	137.9	122.6	183.8
51	40.8	38.4	57.6
86	62.8	51.5	77.3

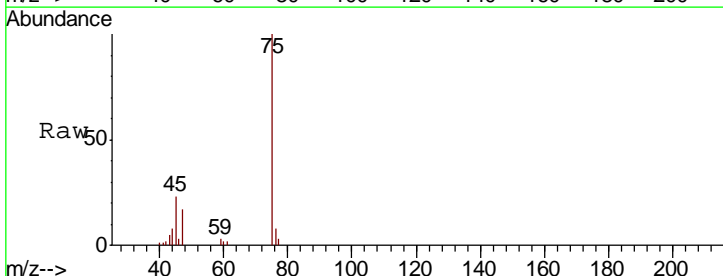


Abundance Ion 83.95 (83.65 to 84.65): VDC  
 Ion 48.90 (48.60 to 49.60): VDC  
 Ion 50.90 (50.60 to 51.60): VDC  
 Ion 85.90 (85.60 to 86.60): VDC

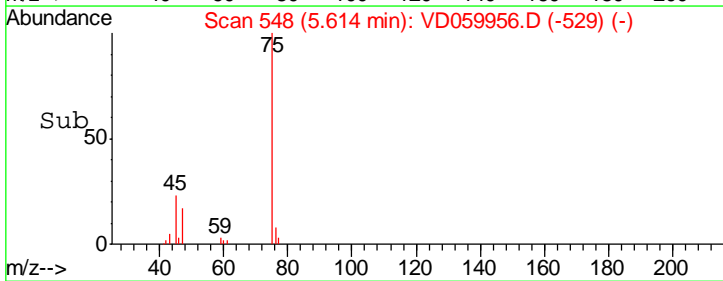
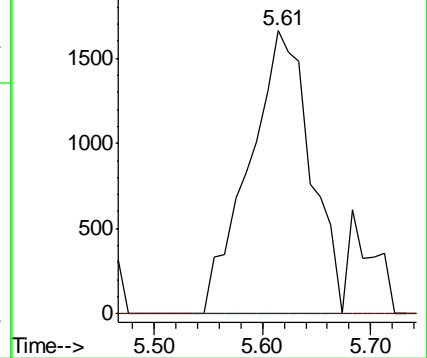


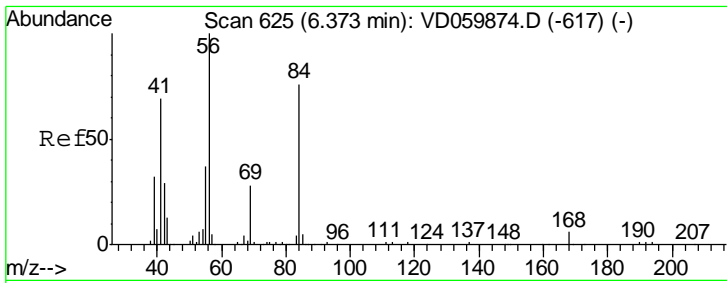
#25  
 2-Butanone  
 Concen: 1.44 ug/l  
 RT: 5.61 min Scan# 548  
 Delta R.T. -0.01 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion	Resp	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

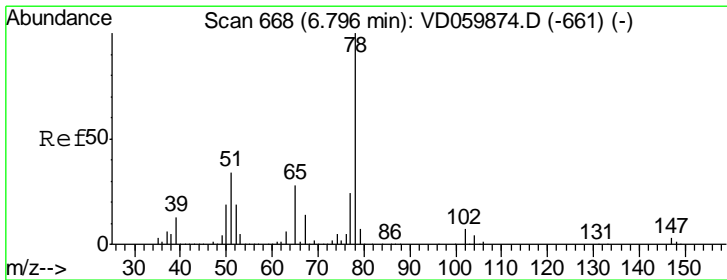
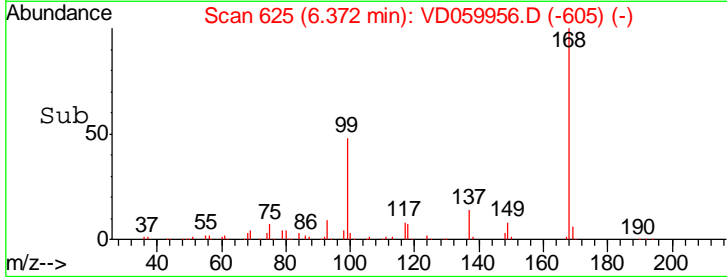
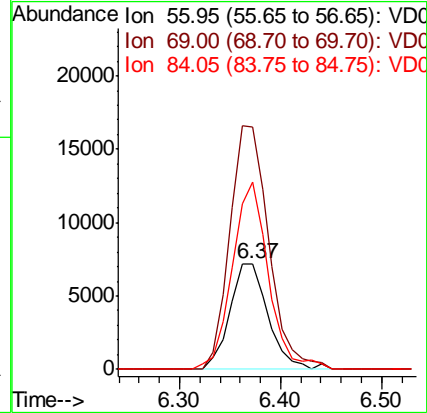
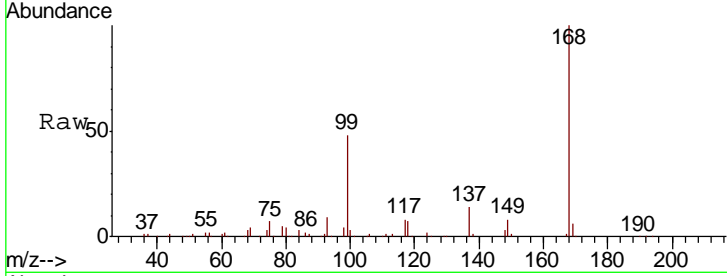




#31  
 Cyclohexane  
 Concen: 1.18 ug/l  
 RT: 6.37 min Scan# 625  
 Delta R.T. -0.00 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

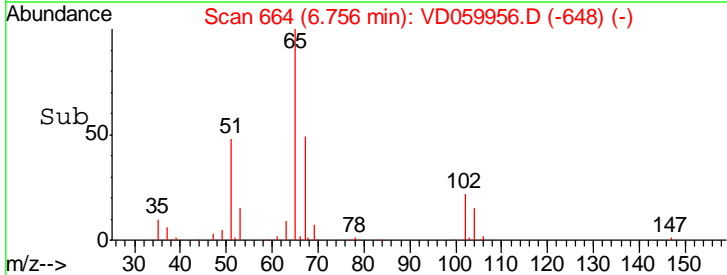
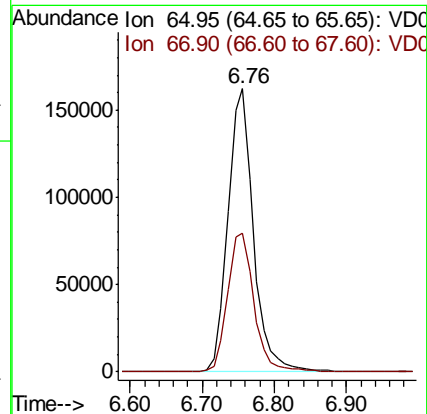
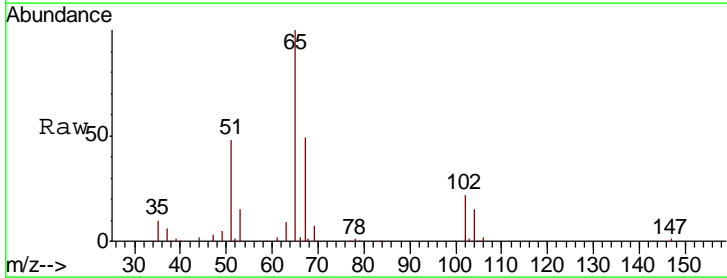
Instrument :  
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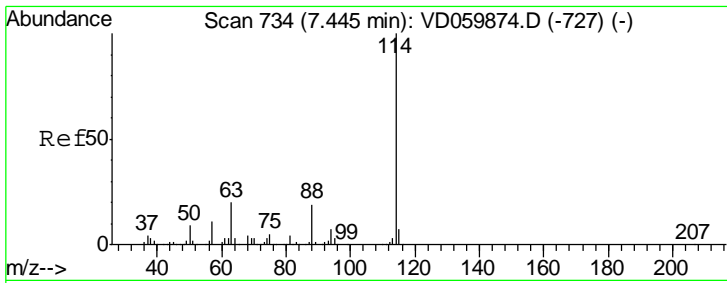
Tgt Ion	Resp	Lower	Upper
56	19014		
69	229.4	22.4	33.6#
84	178.0	62.1	93.1#



#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.76 min Scan# 664  
 Delta R.T. -0.04 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion	Resp	Lower	Upper
65	396045		
67	49.2	0.0	103.8

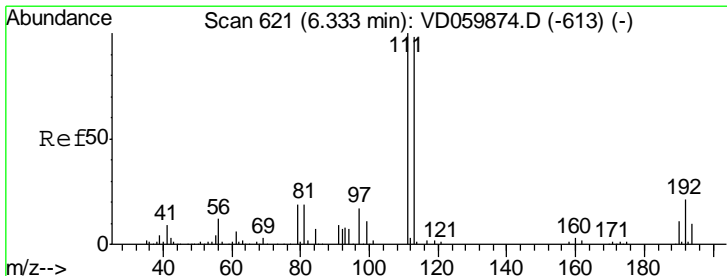
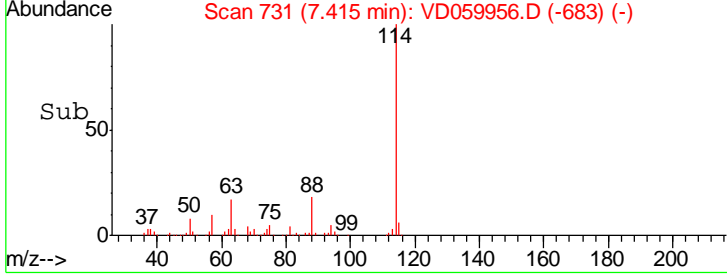
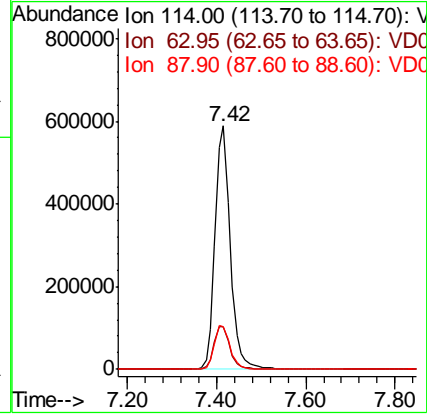
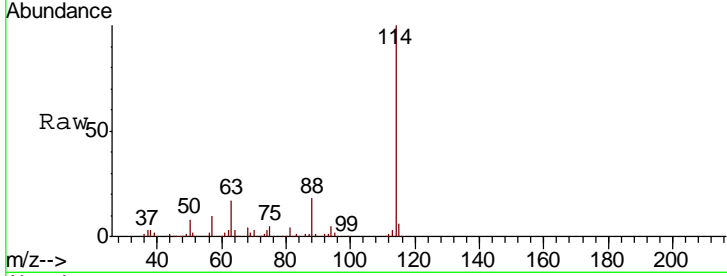




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.42 min Scan# 731  
 Delta R.T. -0.03 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

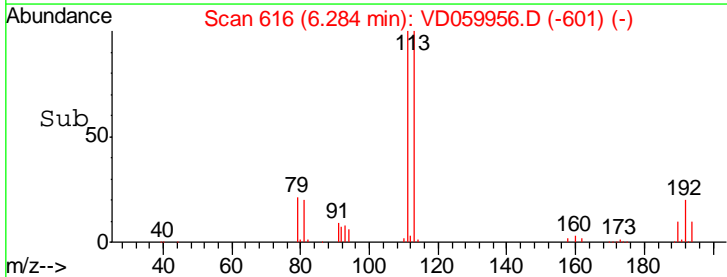
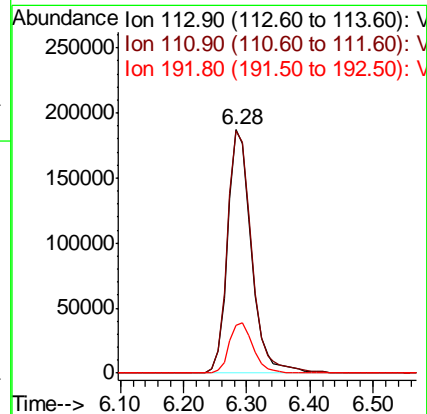
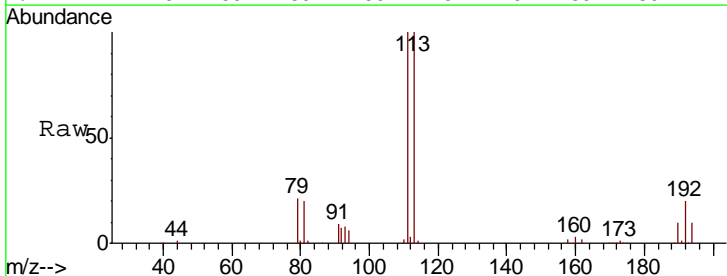
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 EP1-SUT-UST-09

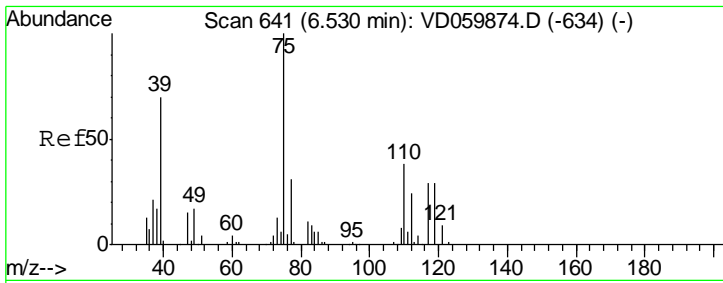
Tgt Ion	Resp	Lower	Upper
114	100		
63	17.3	0.0	39.4
88	17.6	0.0	37.6



#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 6.28 min Scan# 616  
 Delta R.T. -0.05 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion	Resp	Lower	Upper
113	100		
111	99.7	81.4	122.2
192	19.6	17.0	25.6

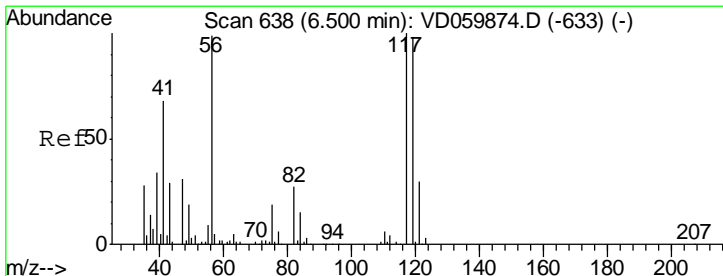
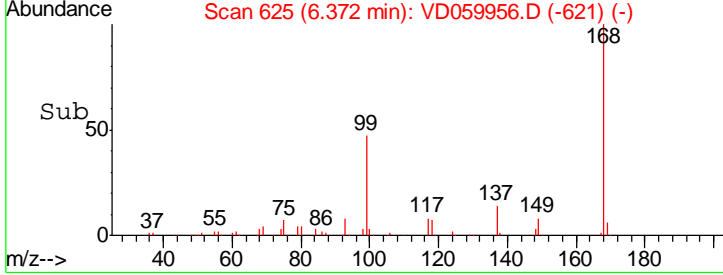
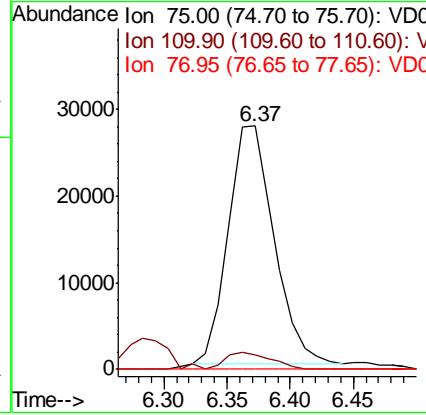
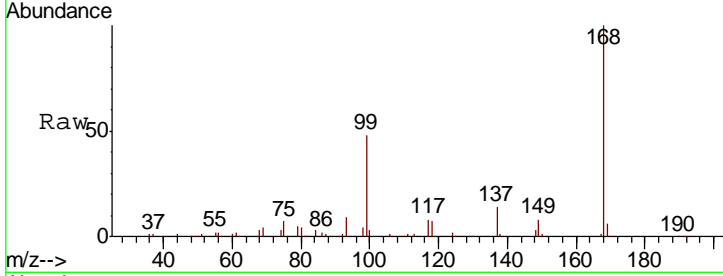




#36  
 1,1-Dichloropropene  
 Concen: 5.52 ug/l  
 RT: 6.37 min Scan# 625  
 Delta R.T. -0.16 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

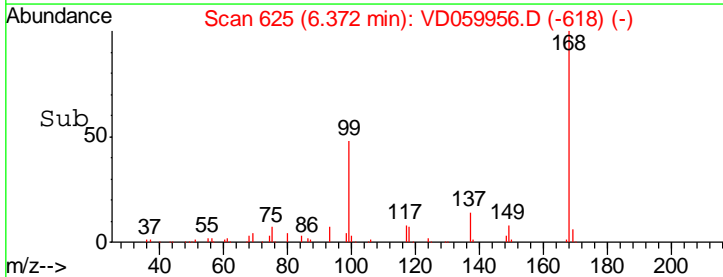
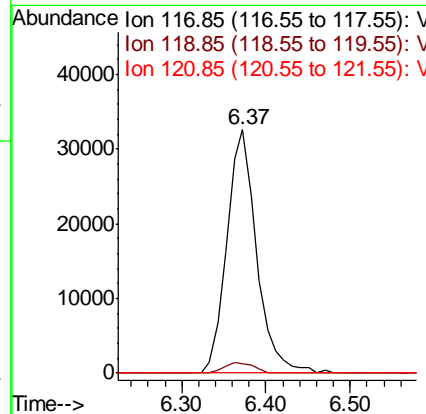
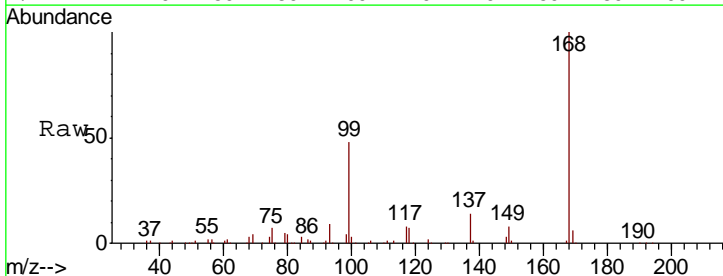
Instrument : MSVOA\_D  
 ClientSampled : EP1-SUT-UST-09

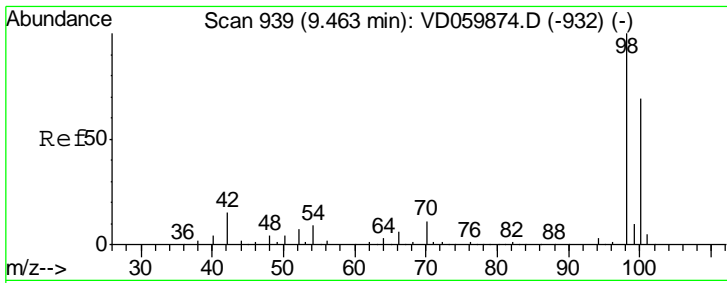
Tgt Ion	Resp	Lower	Upper
75	69301		
110	6.1	18.6	56.0#
77	0.0	25.1	37.7#



#38  
 Carbon Tetrachloride  
 Concen: 6.30 ug/l  
 RT: 6.37 min Scan# 625  
 Delta R.T. -0.13 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion	Resp	Lower	Upper
117	79859		
119	4.0	77.2	115.8#
121	0.0	24.0	36.0#

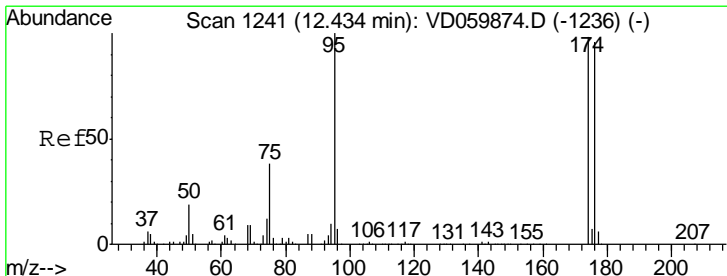
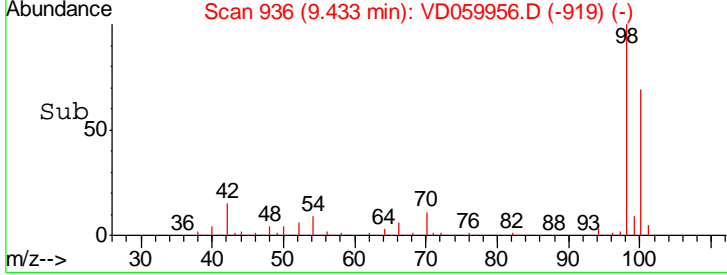
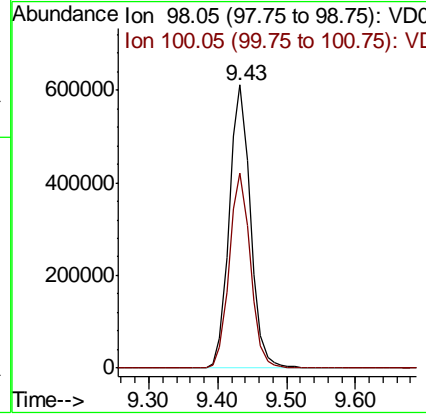
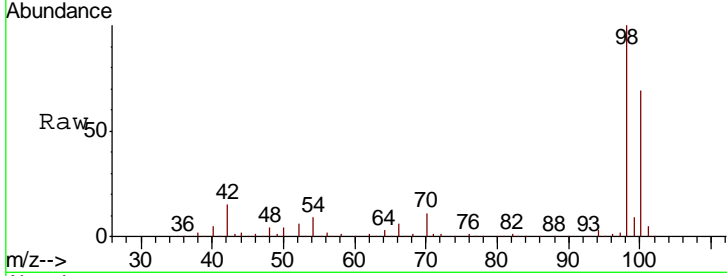




#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 9.43 min Scan# 936  
 Delta R.T. -0.03 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

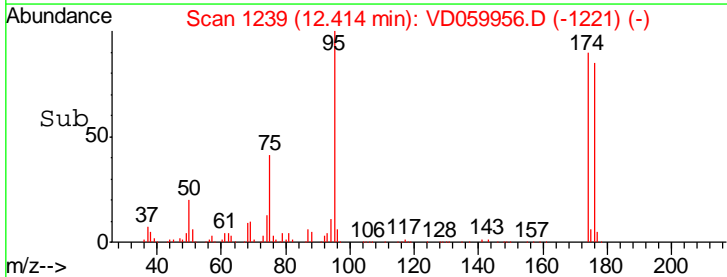
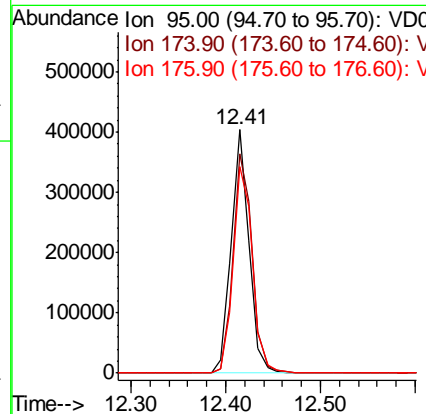
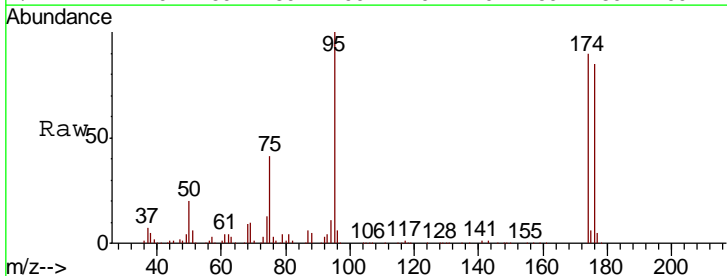
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 EP1-SUT-UST-09

Tgt Ion: 98 Resp: 1299631  
 Ion Ratio Lower Upper  
 98 100  
 100 69.1 55.8 83.6

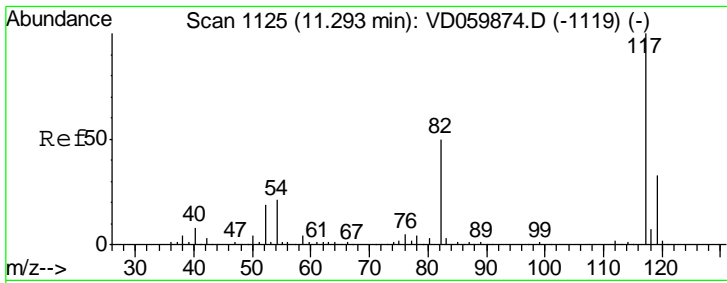


#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 12.41 min Scan# 1239  
 Delta R.T. -0.02 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion: 95 Resp: 522608  
 Ion Ratio Lower Upper  
 95 100  
 174 90.3 0.0 195.6  
 176 84.8 0.0 191.2





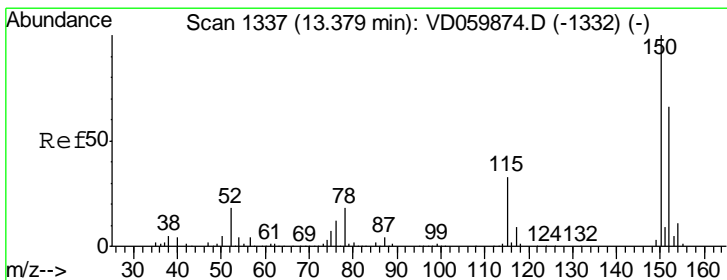
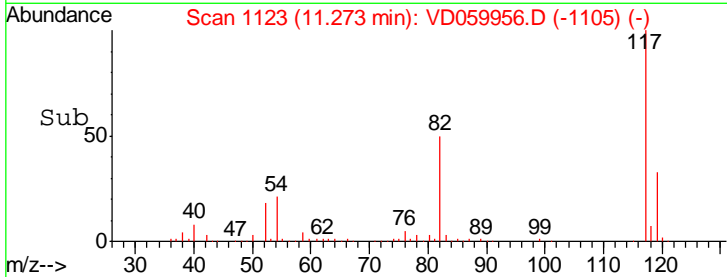
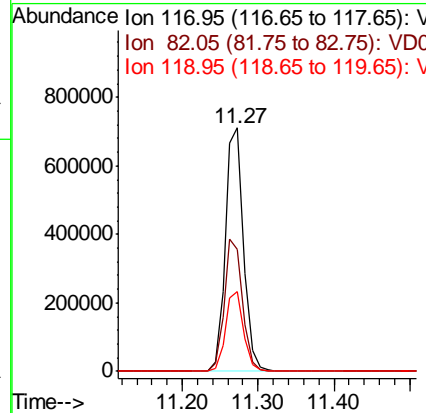
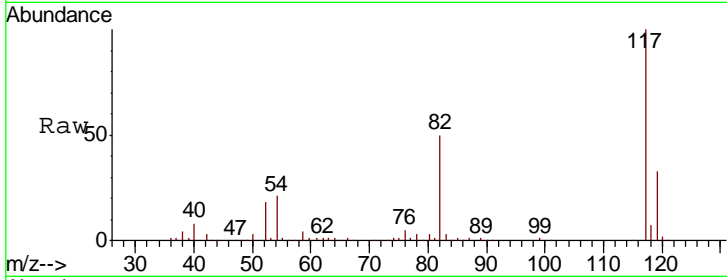


#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.27 min Scan# 1123  
 Delta R.T. -0.02 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Instrument : MSVOA\_D  
 ClientSampleId : EP1-SUT-UST-09

Tgt Ion: 117 Resp: 1190352

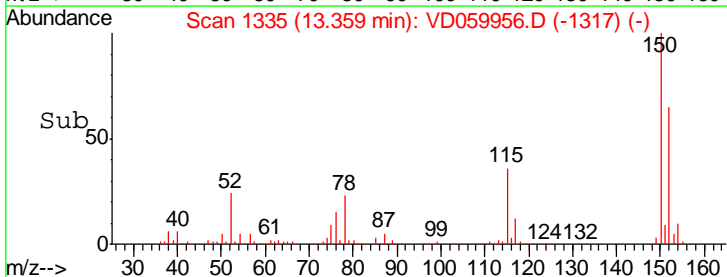
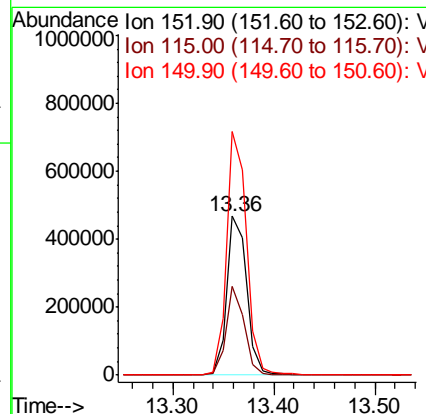
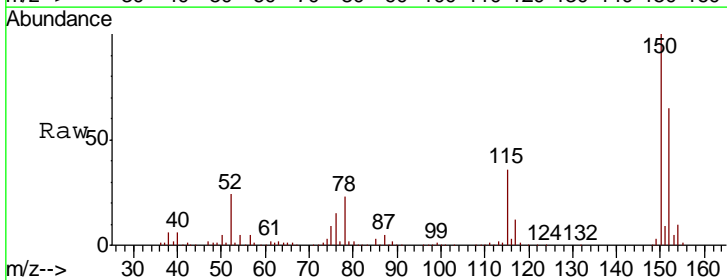
Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.1	60.1
119	32.8	26.7	40.1

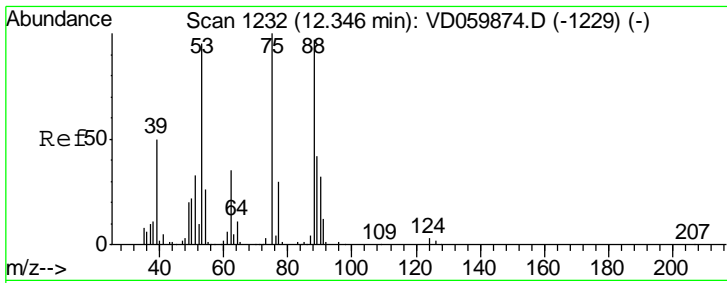


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.36 min Scan# 1335  
 Delta R.T. -0.02 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Tgt Ion: 152 Resp: 647462

Ion	Ratio	Lower	Upper
152	100		
115	55.7	25.7	77.0
150	153.2	0.0	310.2





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.70 ug/l  
 RT: 12.41 min Scan# 1239  
 Delta R.T. 0.07 min  
 Lab File: VD059956.D  
 Acq: 4 Sep 2018 20:45

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 EP1-SUT-UST-09

Tot Ion	Ion	Resp	Lower	Upper
75	100	218179		
53	0.0	75.8	113.6#	
89	0.0	33.6	50.4#	

