

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
 Data File : VX008337.D
 Acq On : 22 Mar 2019 14:34
 Operator : JC/SP
 Sample : K2053-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Mar 22 15:37:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	36332	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	193492	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	167613	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76671	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	11.13	95	74295	27.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.77%
63) Toluene-d8	8.71	98	225819	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

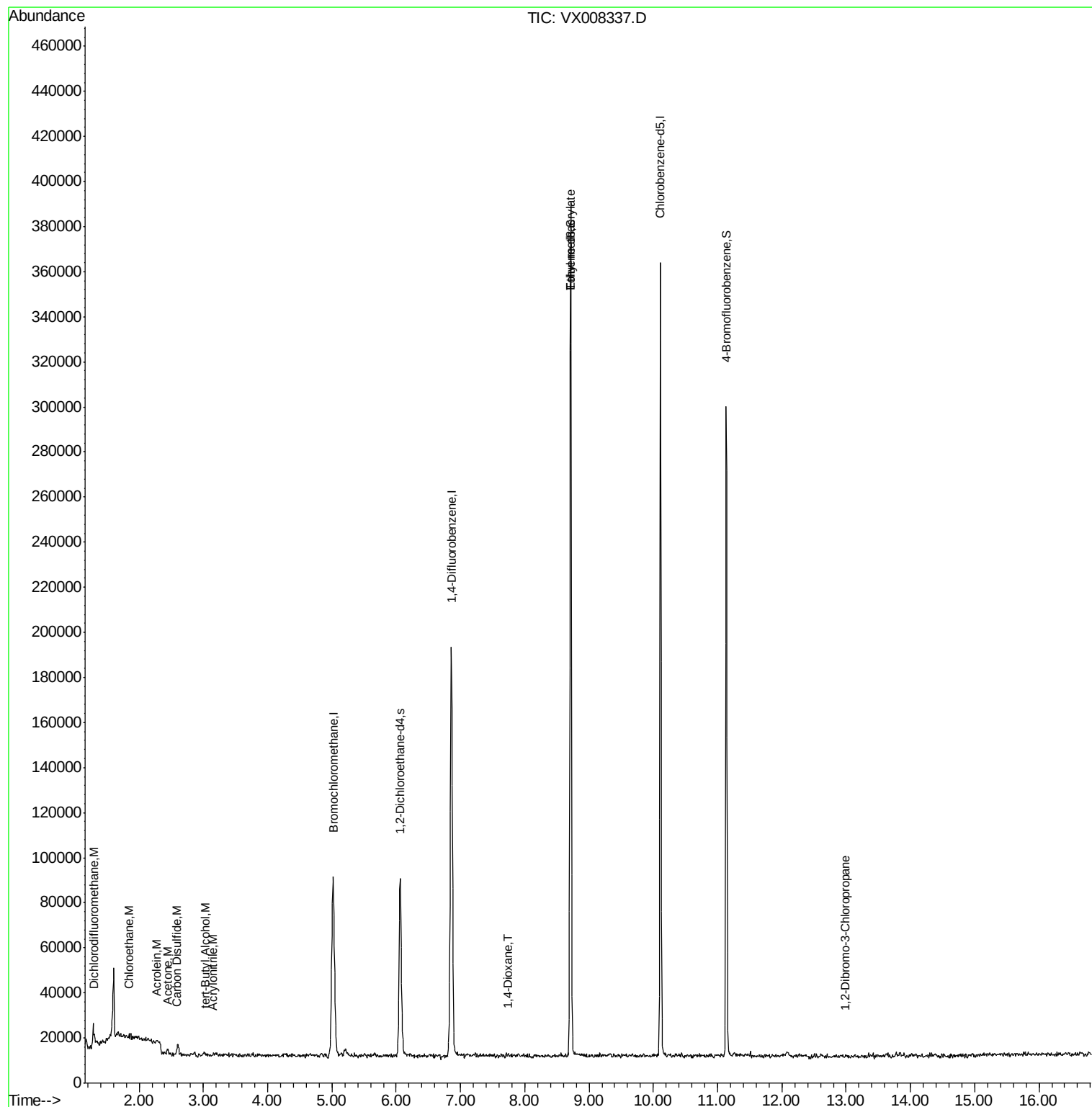
					Qvalue
2) Dichlorodifluoromethane	1.31	85	439	0.225 ug/l	88
6) Chloroethane	1.84	64	330	0.207 ug/l #	51
13) Acrolein	2.27	56	154	0.461 ug/l	95
14) Acrylonitrile	3.14	53	261	0.247 ug/l #	22
15) Acetone	2.44	58	554	1.336 ug/l #	48
16) Carbon Disulfide	2.57	76	1555	0.287 ug/l #	80
23) tert-Butyl Alcohol	3.03	59	200	0.466 ug/l #	68
45) 1,4-Dioxane	7.74	88	60	1.085 ug/l #	1
51) Ethyl methacrylate	8.72	69	1037	0.324 ug/l	75
88) 1,2-Dibromo-3-Chloropropan	12.98	75	165	0.219 ug/l #	25

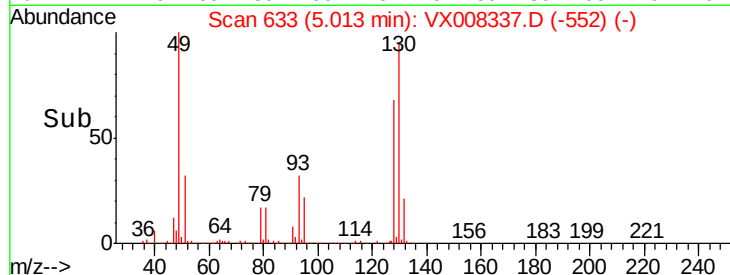
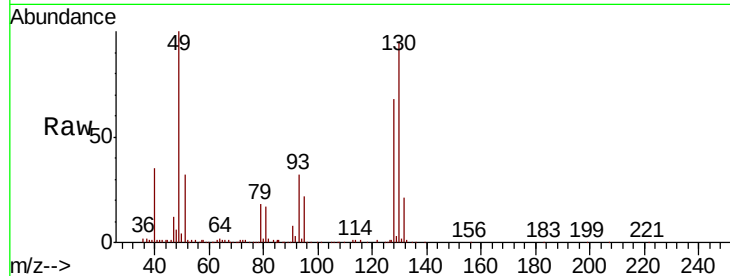
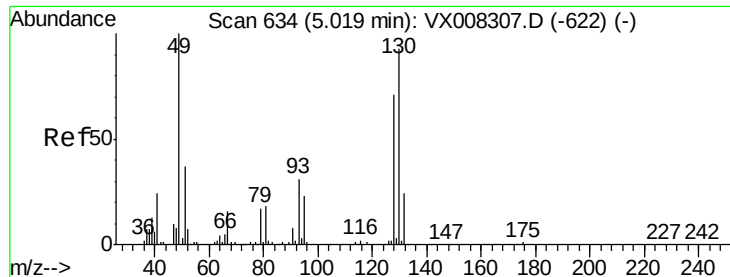
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
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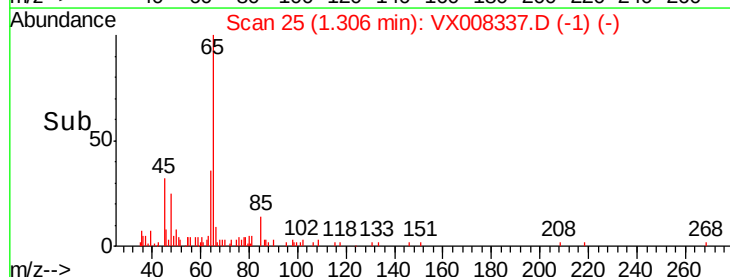
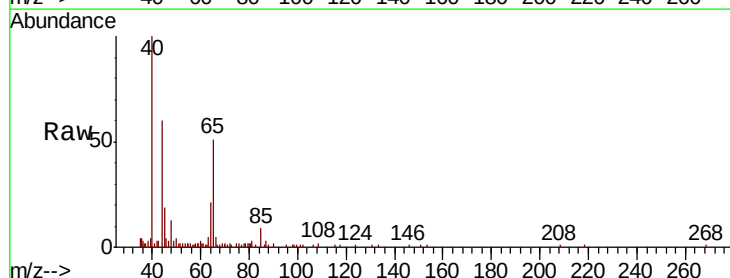
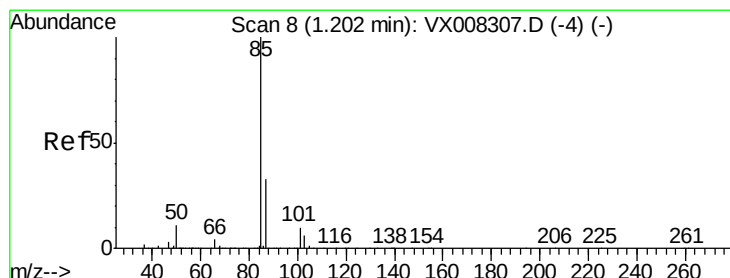
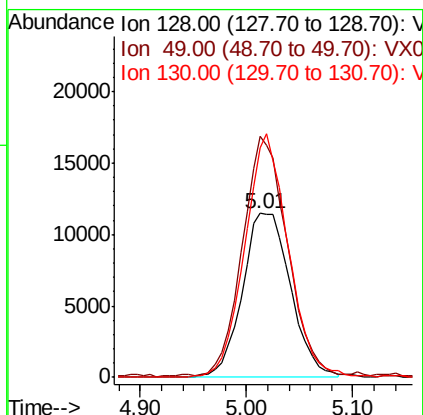




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

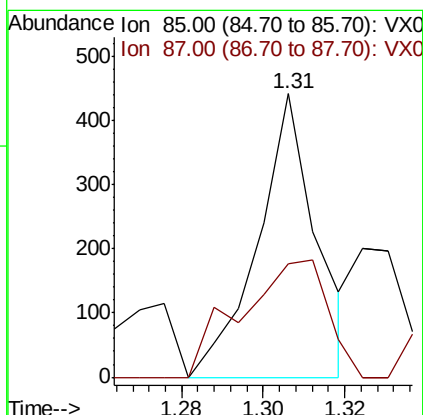
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

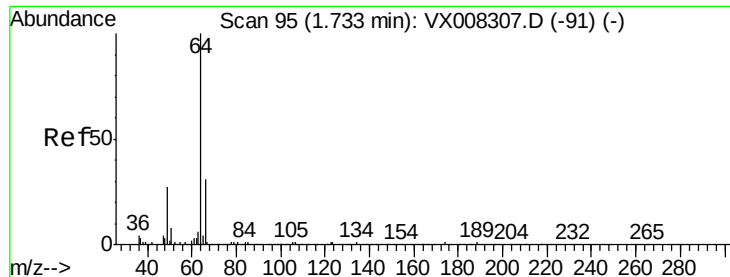
Tgt Ion:128 Resp: 36332
Ion Ratio Lower Upper
128 100
49 137.4 0.0 350.8
130 134.2 0.0 325.8



#2
Dichlorodifluoromethane
Concen: 0.225 ug/l
RT: 1.31 min Scan# 25
Delta R.T. 0.10 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

Tgt Ion: 85 Resp: 439
Ion Ratio Lower Upper
85 100
87 40.0 16.6 49.8





#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.84 min Scan# 112

Delta R.T. 0.10 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

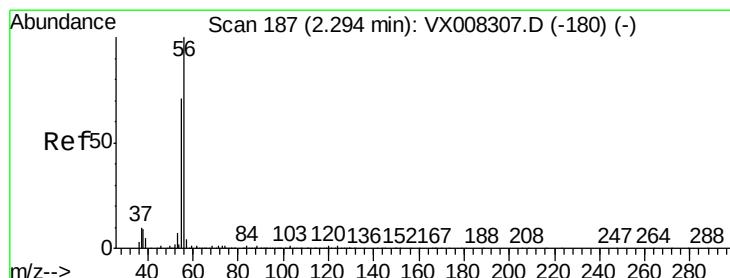
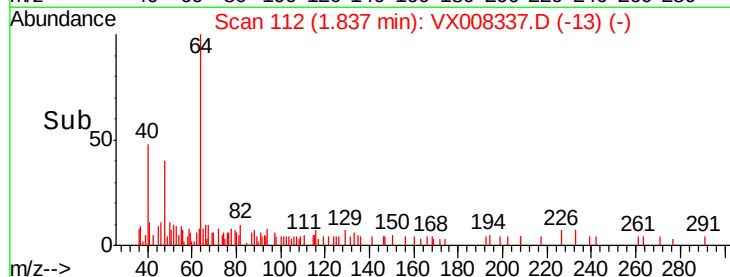
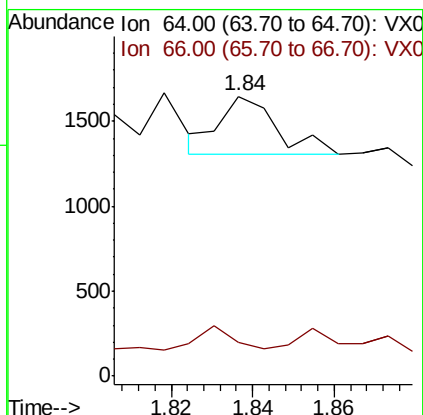
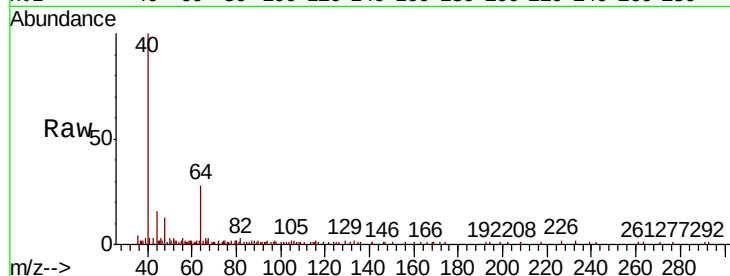
SPDES-1

Tgt Ion: 64 Resp: 330

Ion Ratio Lower Upper

64 100

66 3.2 23.9 35.9#



#13

Acrolein

Concen: 0.461 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX008337.D

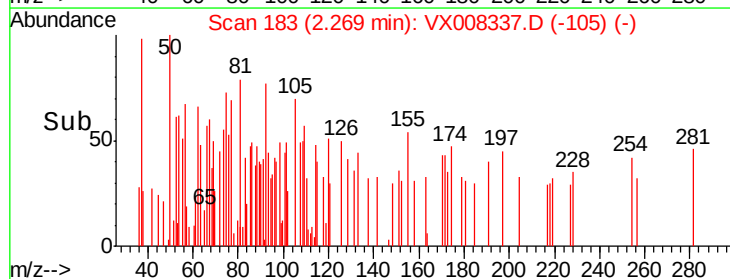
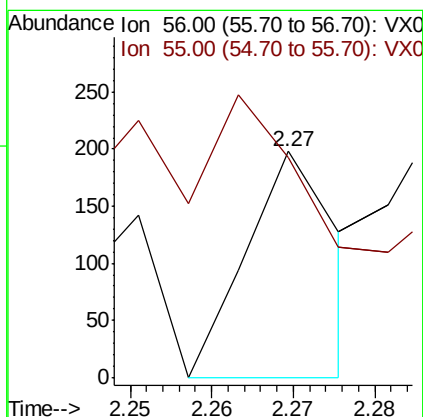
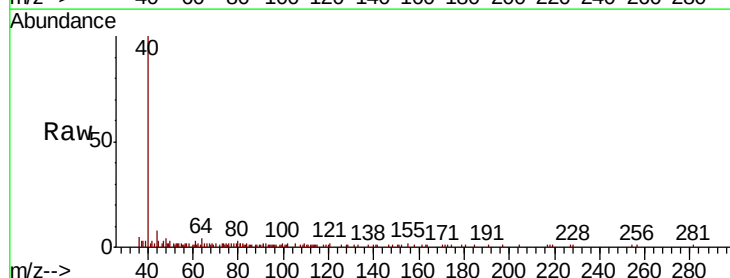
Acq: 22 Mar 2019 14:34

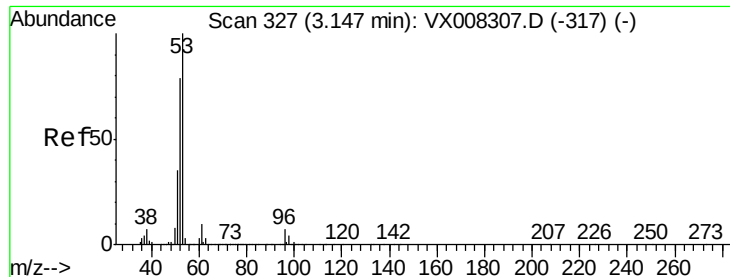
Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 68.8 58.6 87.8





#14

Acrylonitrile

Concen: 0.247 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

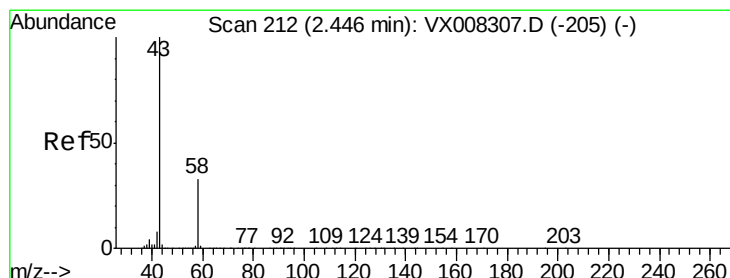
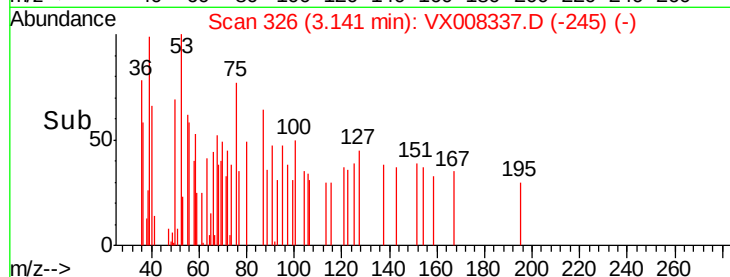
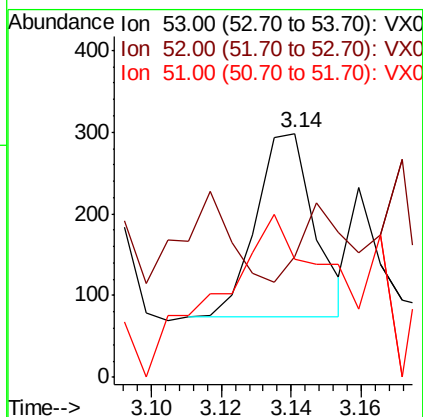
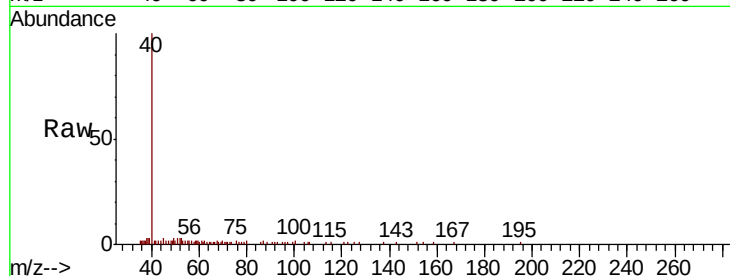
Tgt Ion: 53 Resp: 261

Ion Ratio Lower Upper

53 100

52 50.6 41.3 124.1

51 138.7 17.5 52.6#



#15

Acetone

Concen: 1.336 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008337.D

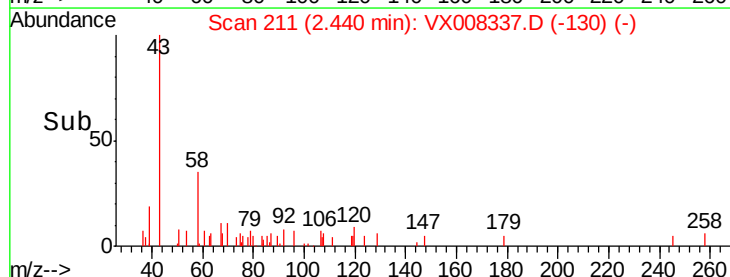
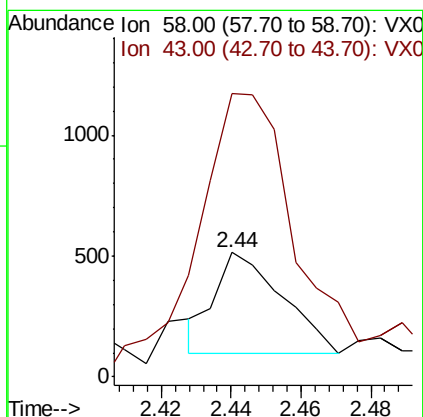
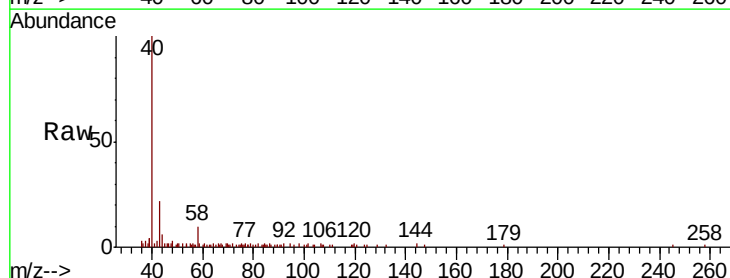
Acq: 22 Mar 2019 14:34

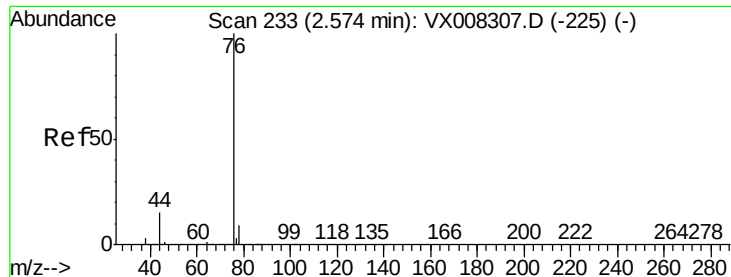
Tgt Ion: 58 Resp: 554

Ion Ratio Lower Upper

58 100

43 207.2 249.8 374.6#

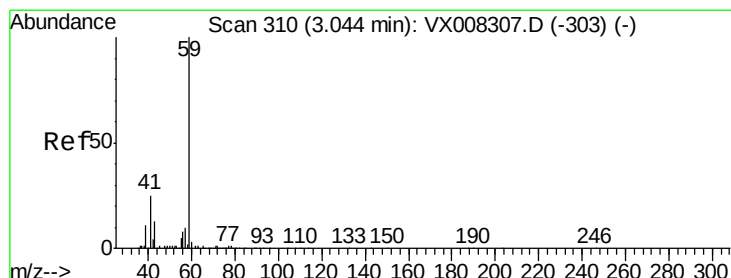
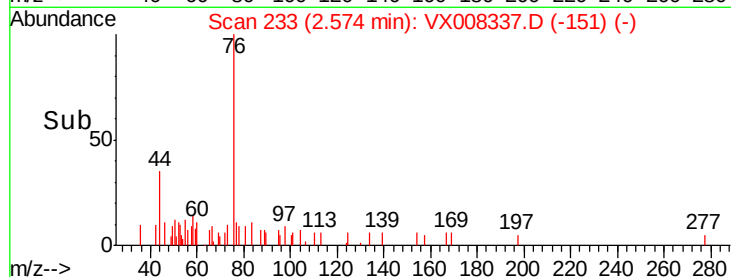
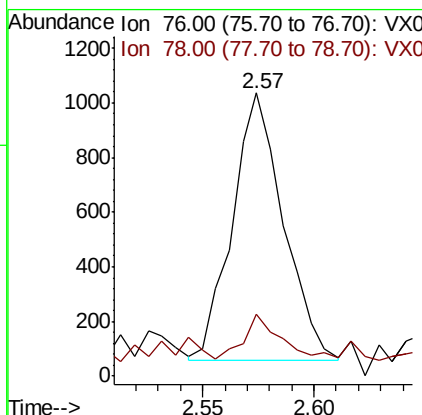
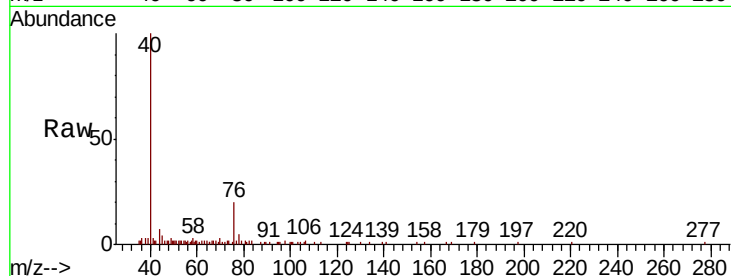




#16
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

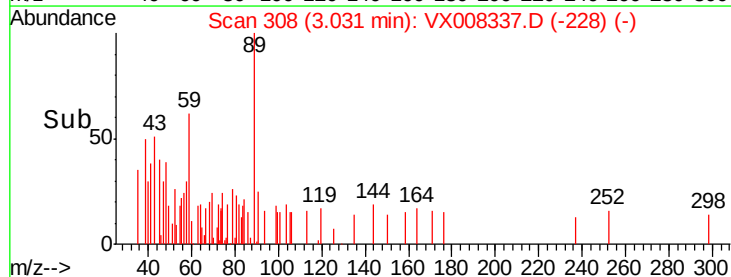
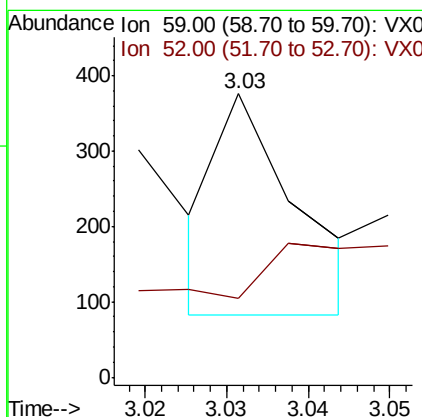
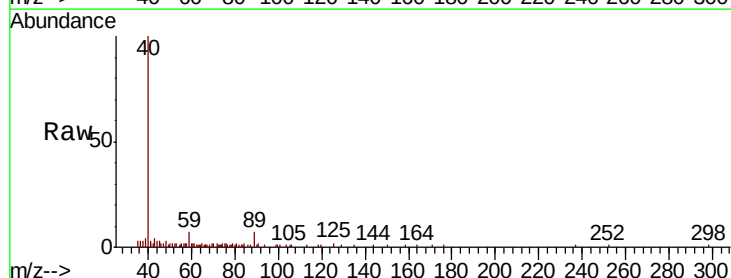
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

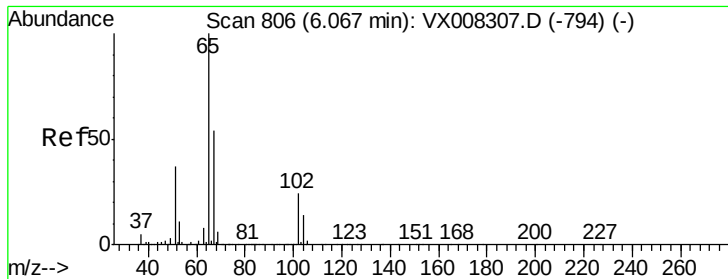
Tgt Ion: 76 Resp: 1555
Ion Ratio Lower Upper
76 100
78 16.5 7.5 11.3#



#23
tert-Butyl Alcohol
Concen: 0.466 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
52 41.5 0.2 0.2#

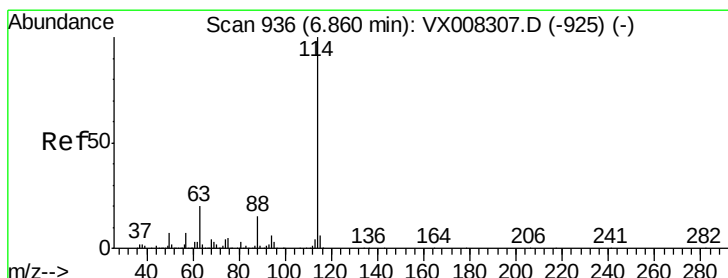
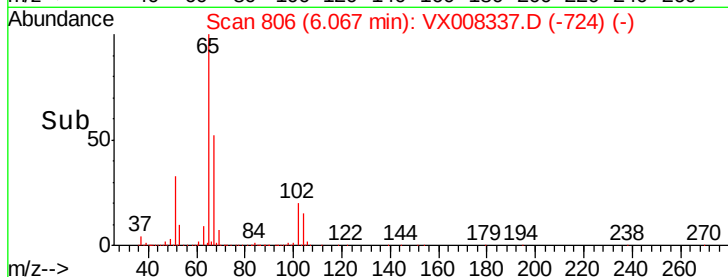
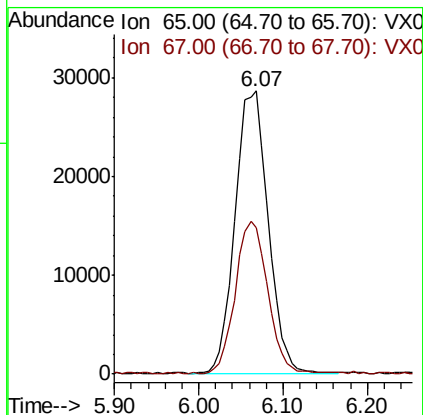
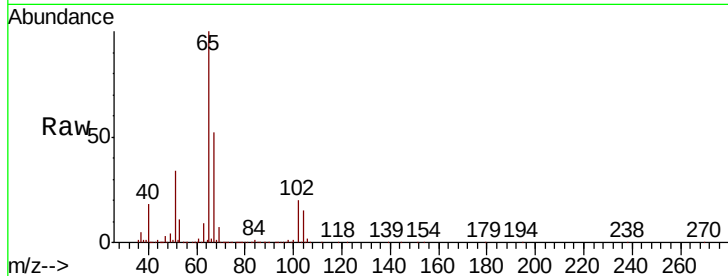




#27
 1,2-Dichloroethane-d4
 Concen: 30.882 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008337.D
 Acq: 22 Mar 2019 14:34

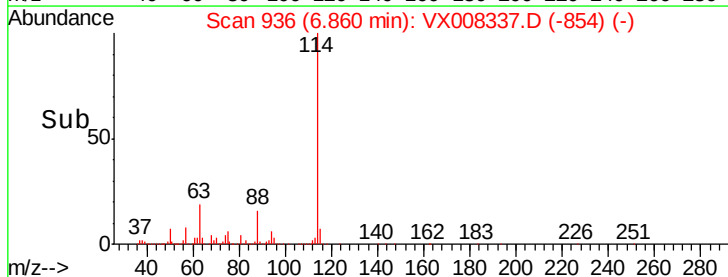
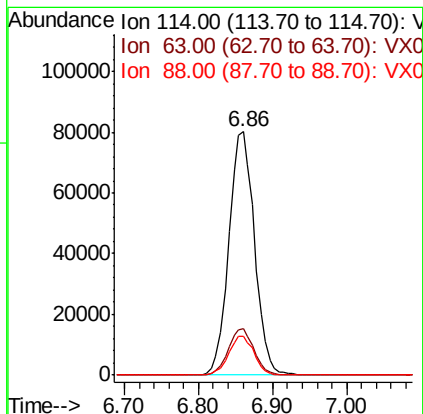
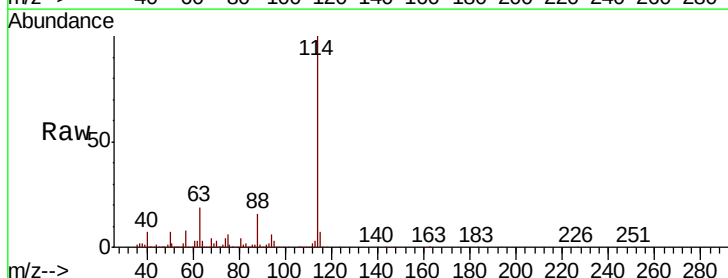
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

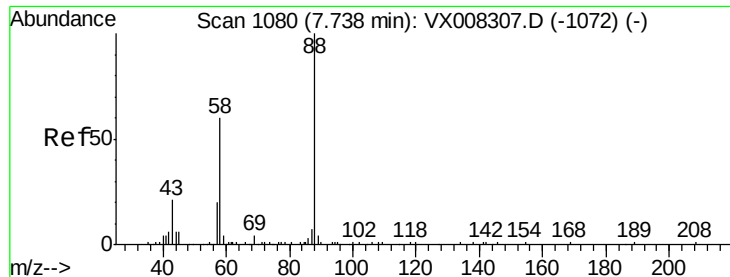
Tgt Ion: 65 Resp: 76671
 Ion Ratio Lower Upper
 65 100
 67 51.4 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008337.D
 Acq: 22 Mar 2019 14:34

Tgt Ion: 114 Resp: 193492
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.2 21.4
 88 15.8 11.9 17.9





#45

1,4-Dioxane

Concen: 1.085 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

SPDES-1

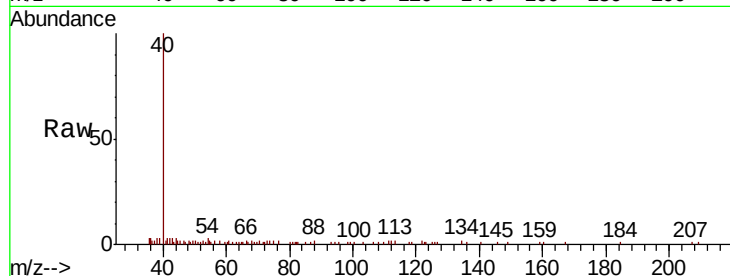
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

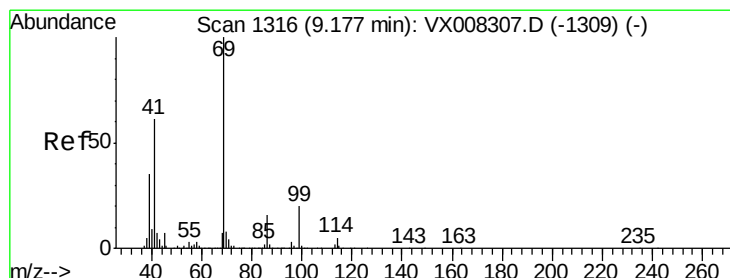
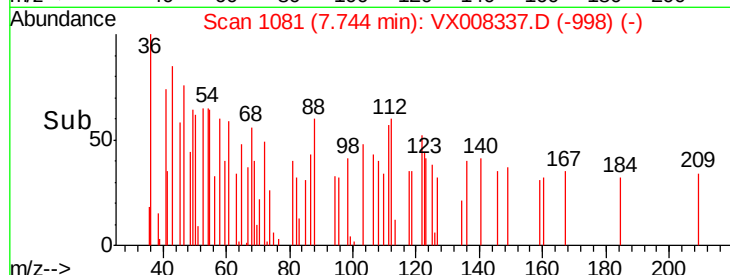
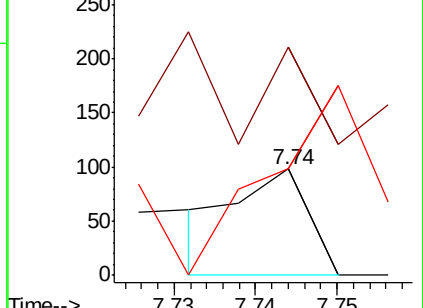
58 256.7 51.6 77.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#51

Ethyl methacrylate

Concen: 0.324 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

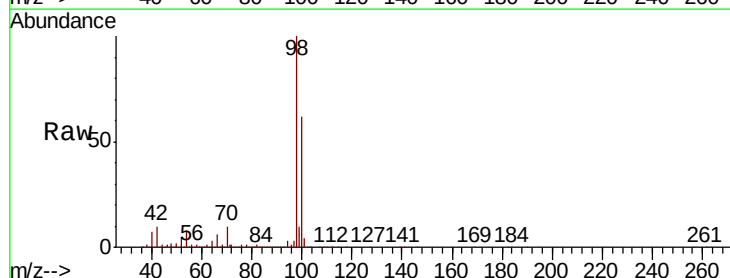
Tgt Ion: 69 Resp: 1037

Ion Ratio Lower Upper

69 100

41 47.4 32.1 96.5

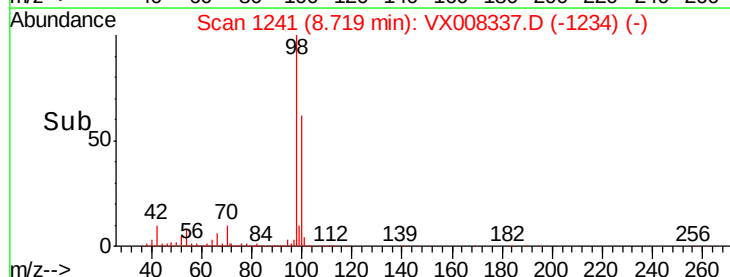
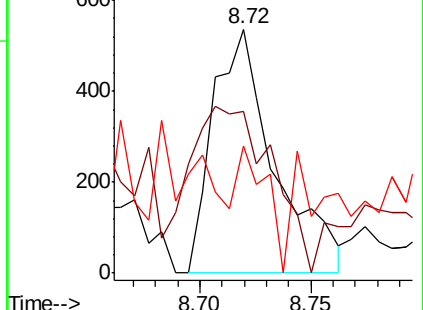
39 19.4 18.8 56.3

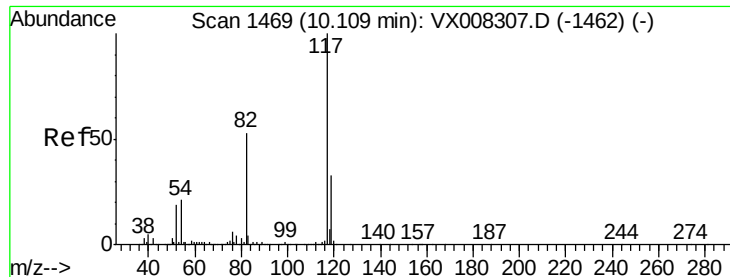


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

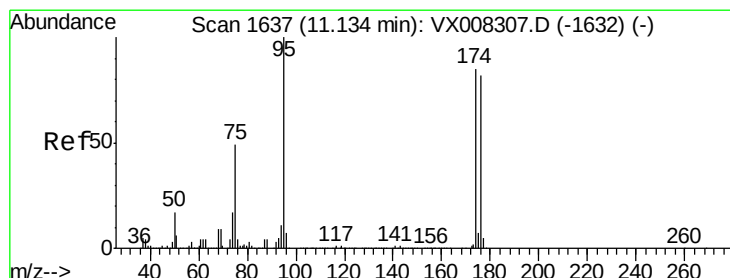
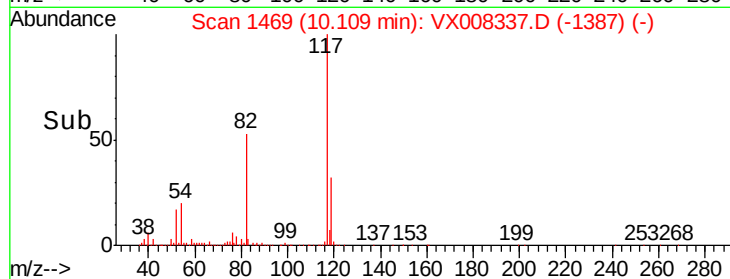
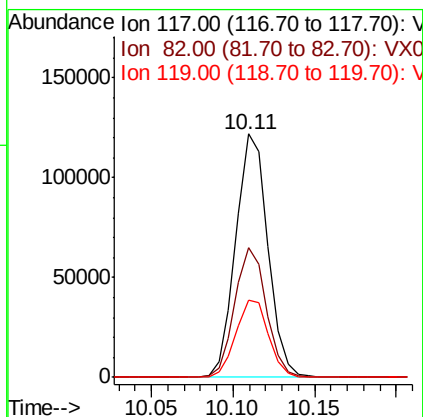
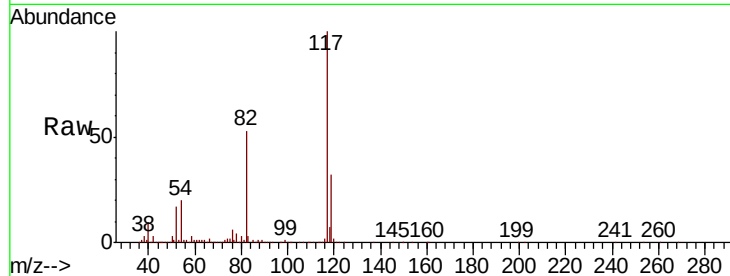




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

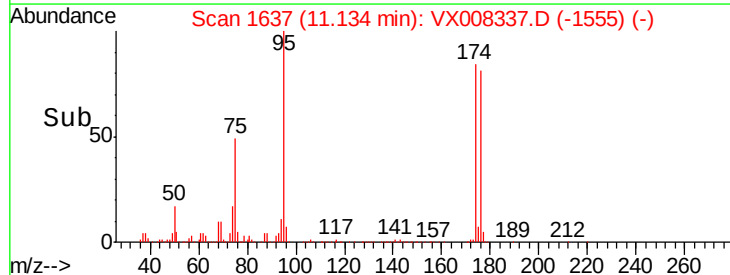
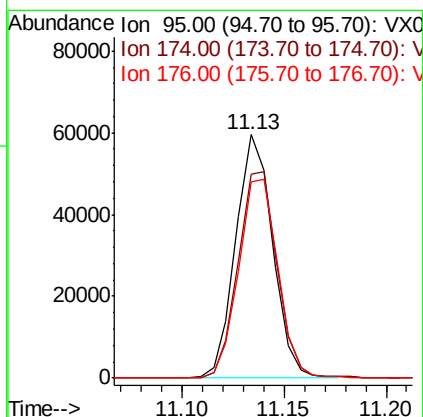
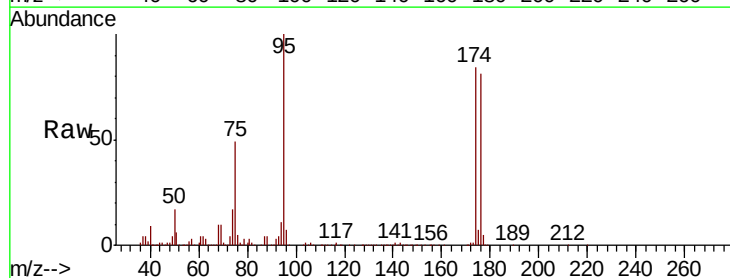
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

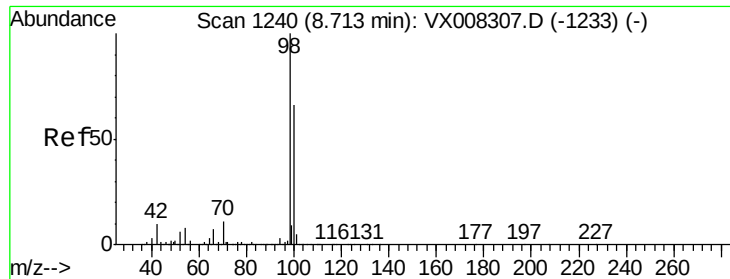
Tgt Ion: 117 Resp: 167613
Ion Ratio Lower Upper
117 100
82 52.4 40.4 60.6
119 32.5 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.231 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008337.D
Acq: 22 Mar 2019 14:34

Tgt Ion: 95 Resp: 74295
Ion Ratio Lower Upper
95 100
174 90.1 74.9 112.3
176 88.4 70.7 106.1





#63

Toluene-d8

Concen: 29.903 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

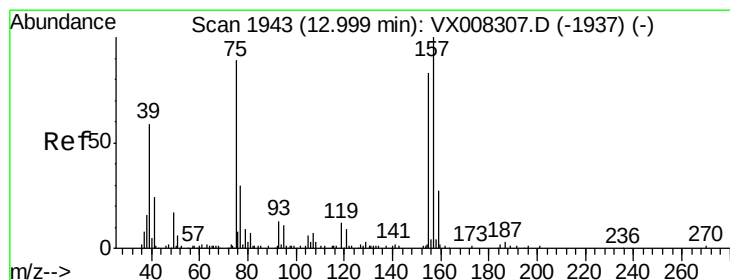
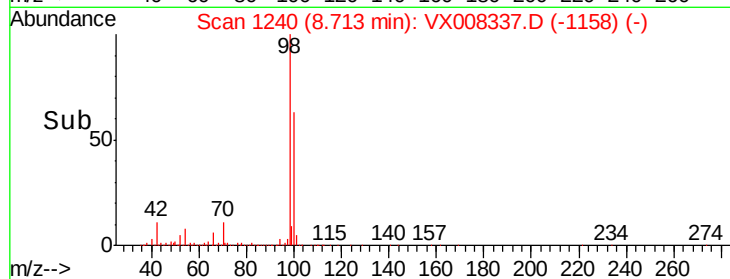
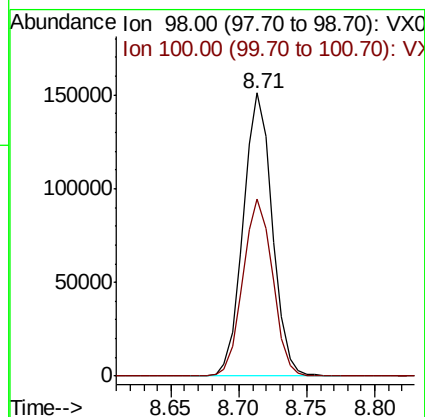
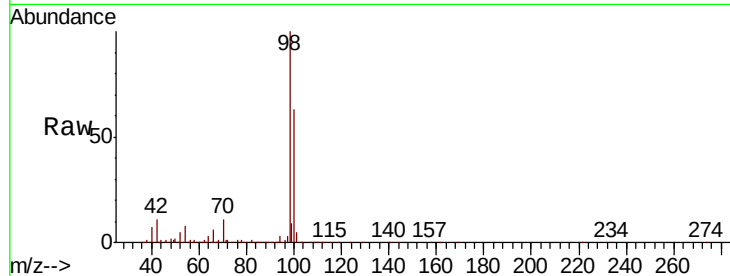
SPDES-1

Tgt Ion: 98 Resp: 225819

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.219 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX008337.D

Acq: 22 Mar 2019 14:34

Tgt Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

155 72.7 81.0 121.6#

157 0.0 103.2 154.8#

