

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008232.D
 Acq On : 20 Mar 2019 10:57
 Operator : JC/SP
 Sample : VX0320WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBL01

Quant Time: Mar 22 05:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	562066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	473987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	236798	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	5.50	113	175196	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	8.71	98	687498	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.13	95	220337	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

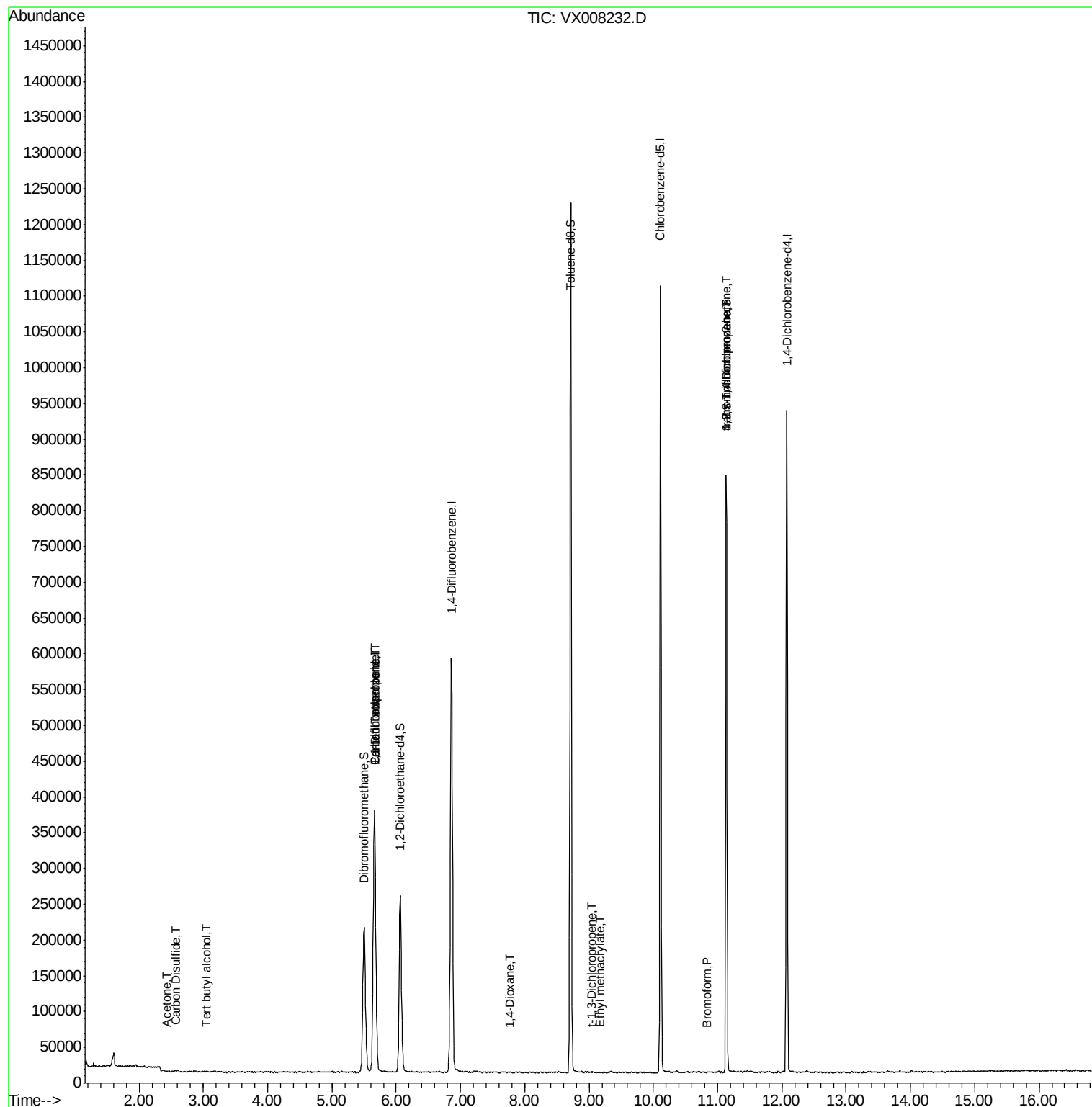
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	251	0.225	ug/l #	1
13) Acrolein	2.29	56	86	Below Cal	#	1
16) Acetone	2.43	43	812	0.275	ug/l #	80
17) Carbon Disulfide	2.57	76	2301	0.841	ug/l	98
36) 1,1-Dichloropropene	5.67	75	28618	4.373	ug/l #	49
38) Carbon Tetrachloride	5.67	117	34821	5.972	ug/l #	16
49) 1,4-Dioxane	7.76	88	274	2.355	ug/l #	62
53) t-1,3-Dichloropropene	9.04	75	501	1.484	ug/l #	47
56) Ethyl methacrylate	9.17	69	175	0.547	ug/l #	68
71) Bromoform	10.84	173	69	2.221	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	113985	21.274	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	113985	54.113	ug/l #	12

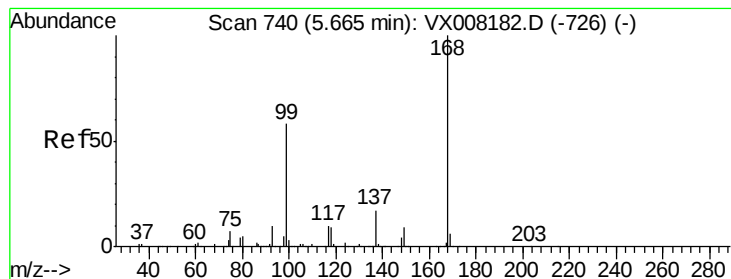
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

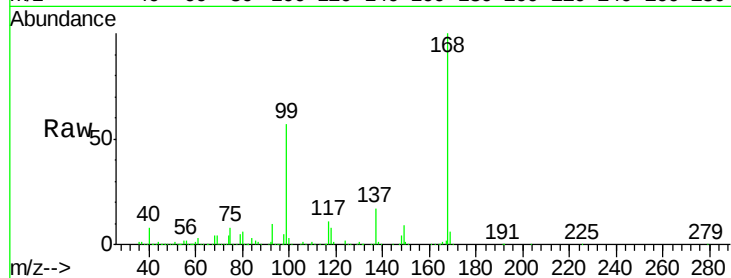
VX0320WBL01

Tot Ion:168 Resp: 345965

Ion Ratio Lower Upper

168 100

99 57.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

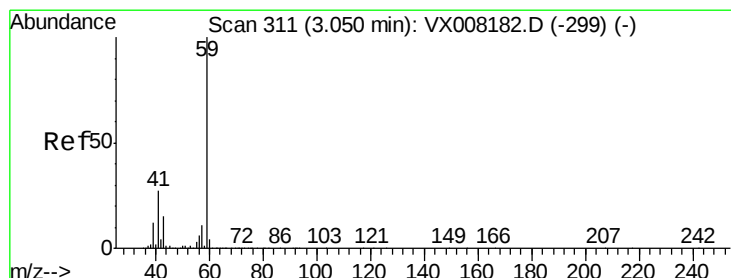
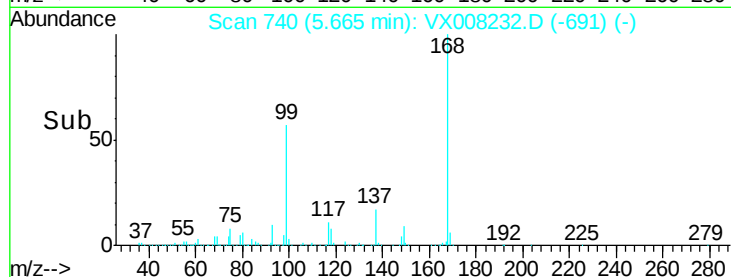
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.225 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX008232.D

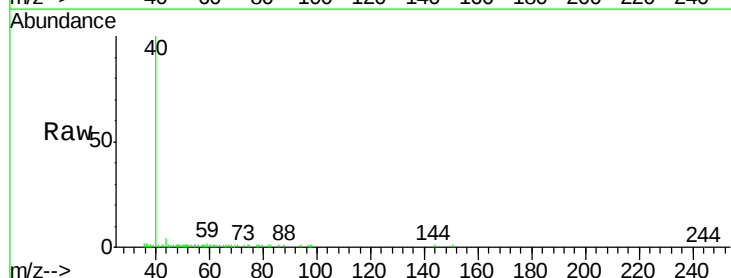
Acq: 20 Mar 2019 10:57

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

57 95.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250

200

150

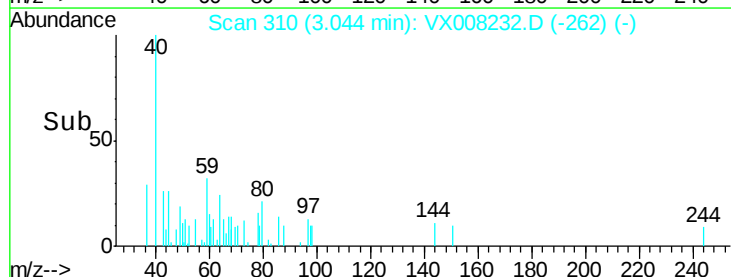
100

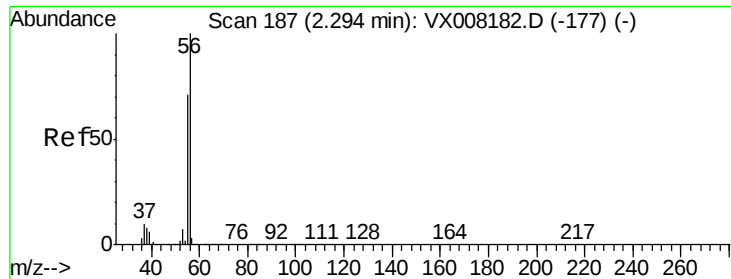
50

0

Time-->

3.02 3.04 3.06 3.08





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

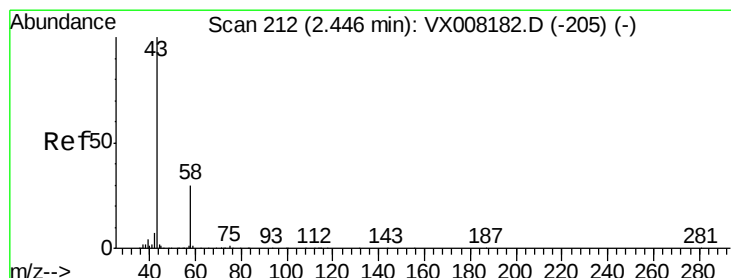
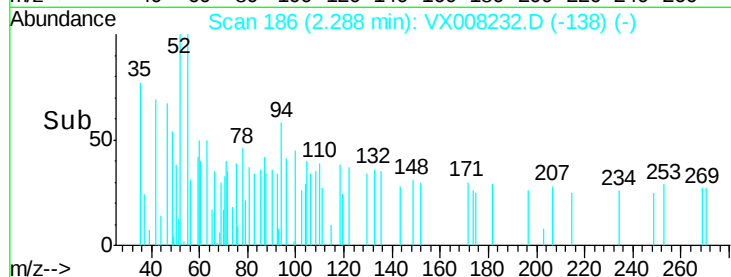
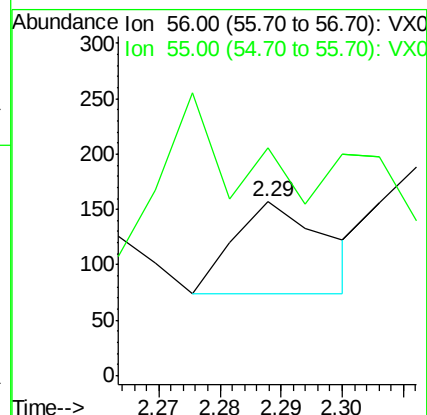
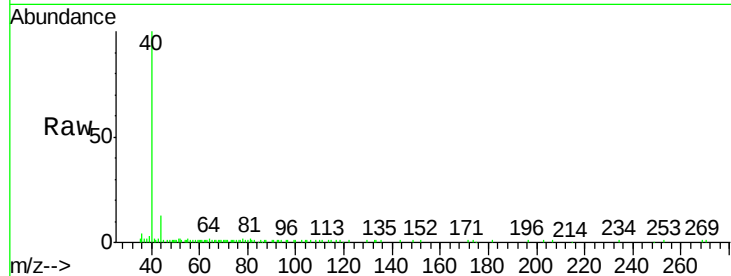
VX0320WBL01

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 170.9 57.8 86.6#



#16

Acetone

Concen: 0.275 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008232.D

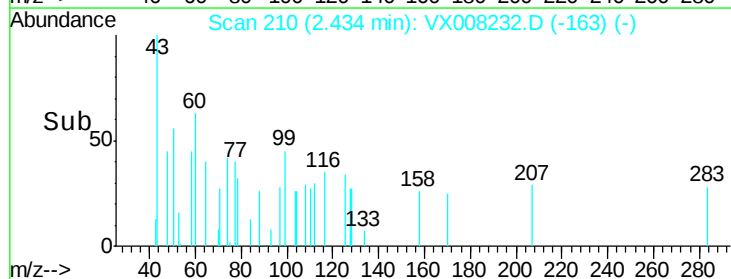
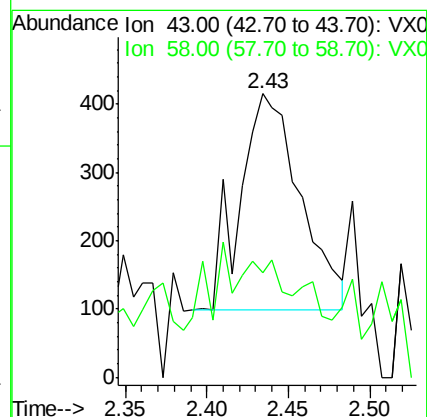
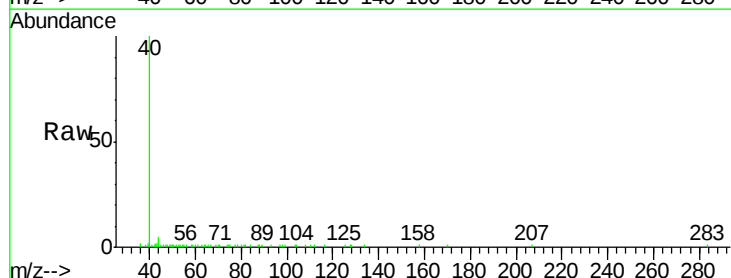
Acq: 20 Mar 2019 10:57

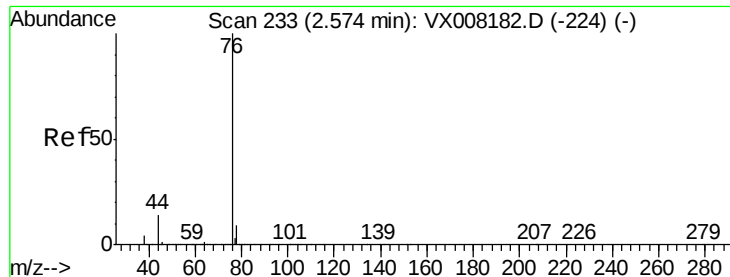
Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

58 20.6 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.841 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

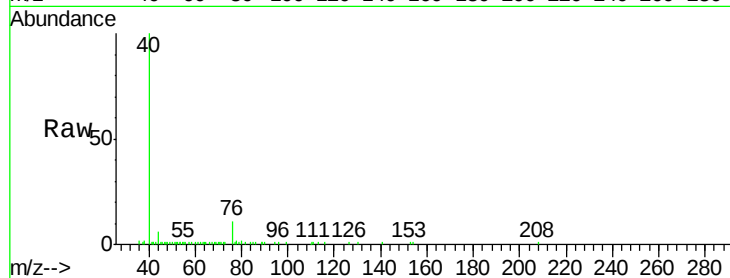
VX0320WBL01

Tot Ion: 76 Resp: 2301

Ion Ratio Lower Upper

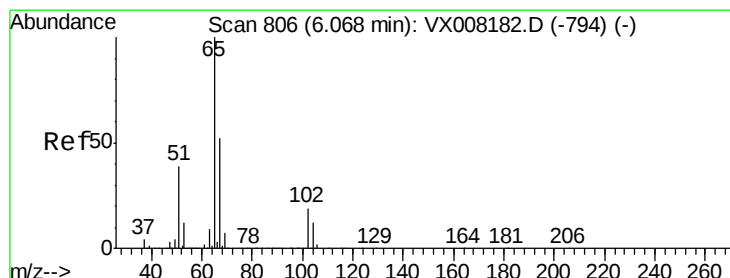
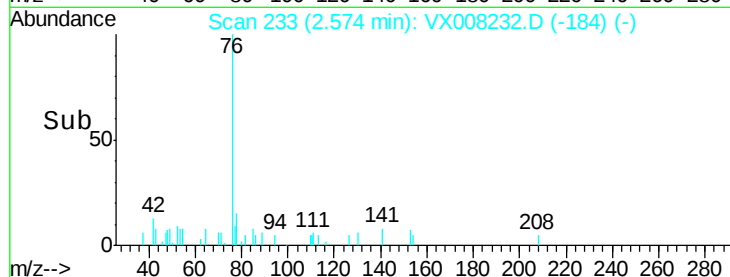
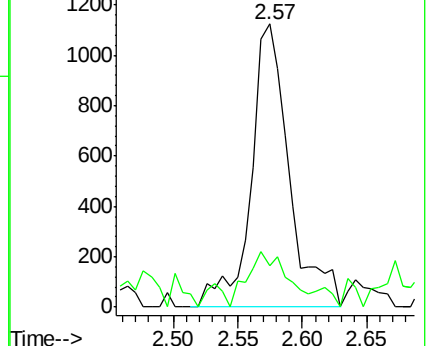
76 100

78 9.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.446 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008232.D

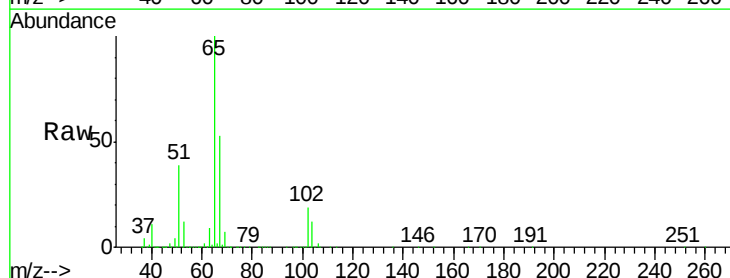
Acq: 20 Mar 2019 10:57

Tgt Ion: 65 Resp: 236798

Ion Ratio Lower Upper

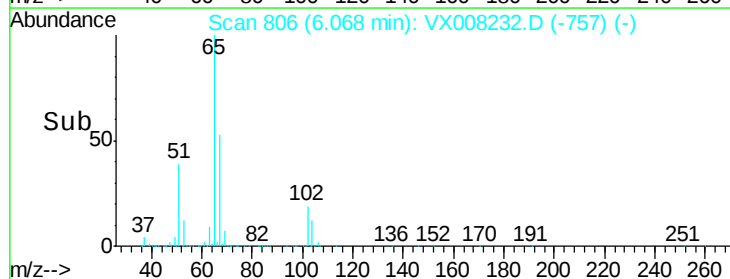
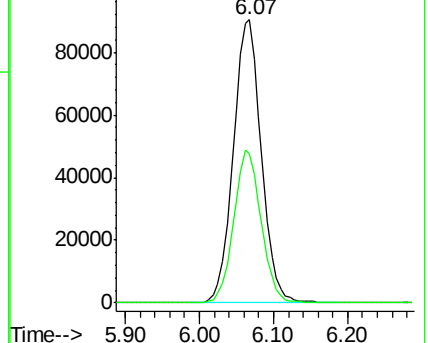
65 100

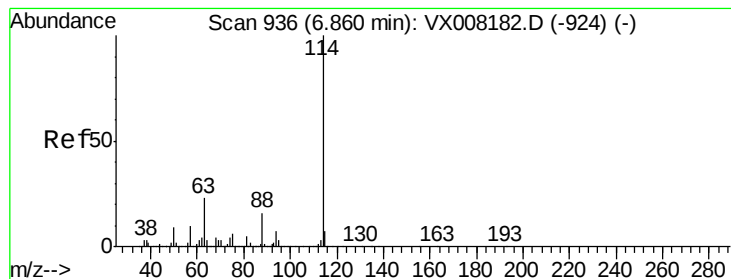
67 52.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBL01

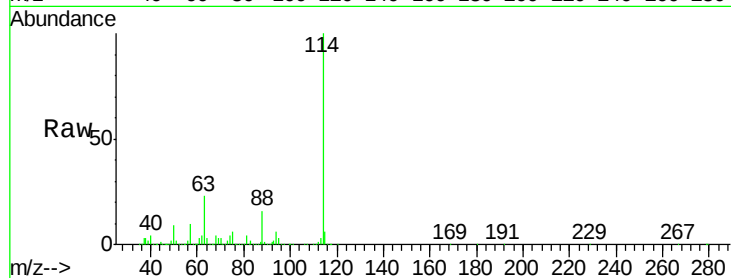
Tot Ion:114 Resp: 562066

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

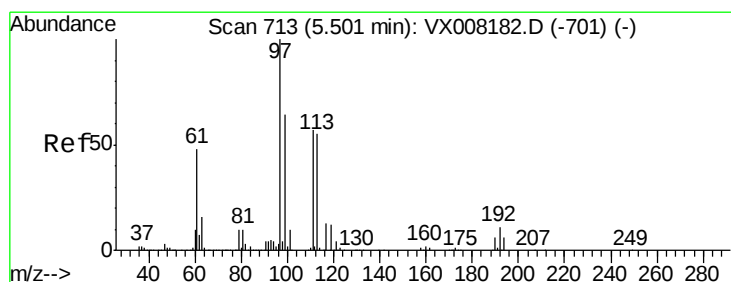
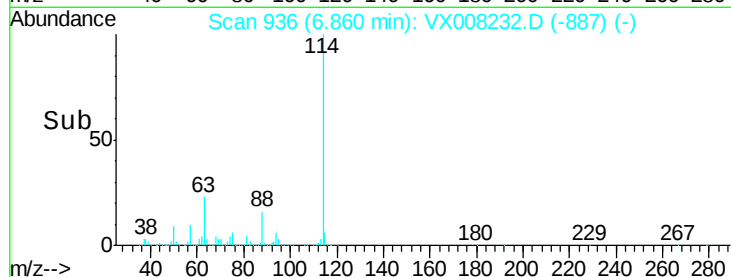
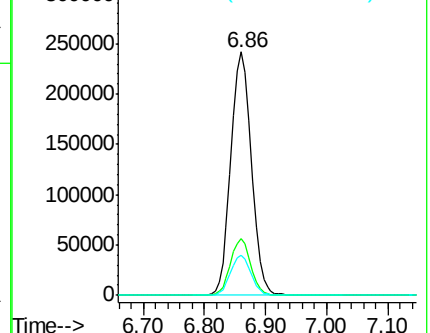
88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

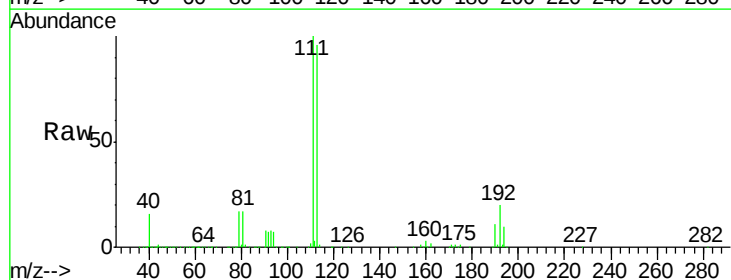
Tgt Ion:113 Resp: 175196

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

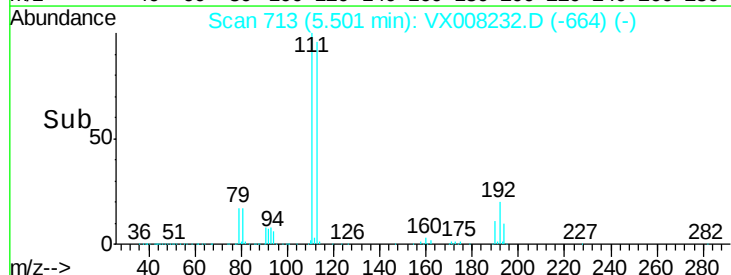
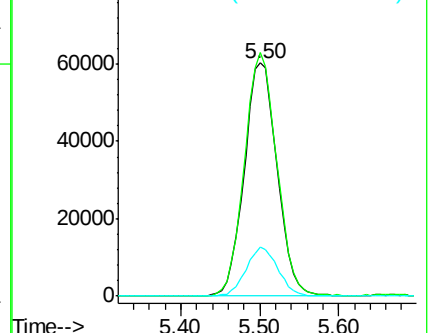
192 20.4 19.4 29.0

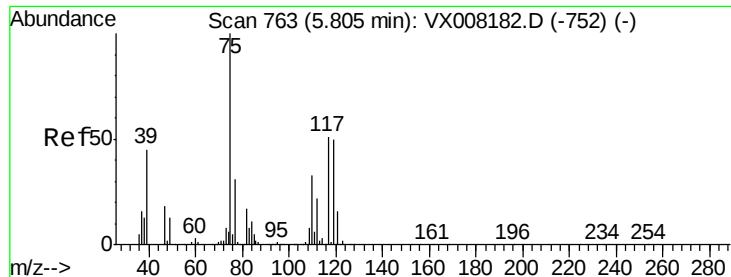


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.373 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

VX0320WBL01

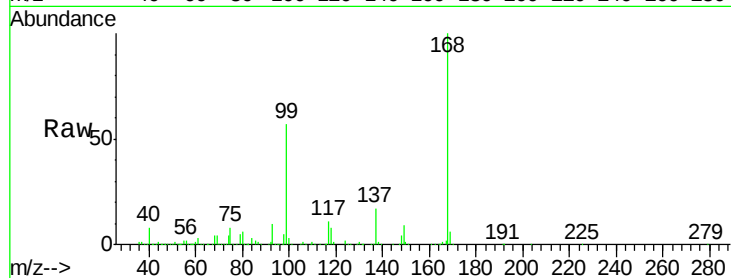
Tot Ion: 75 Resp: 28618

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.0#

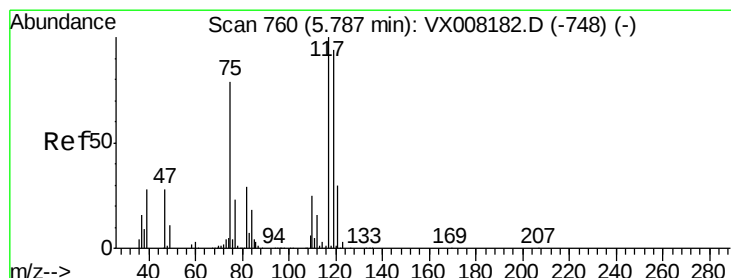
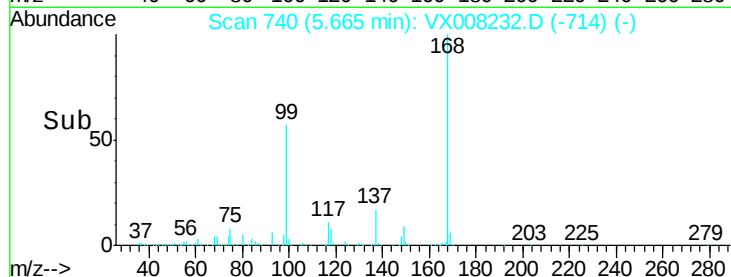
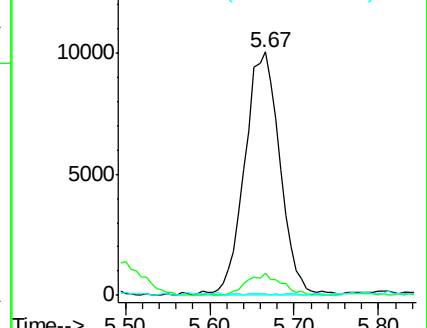
77 0.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.972 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

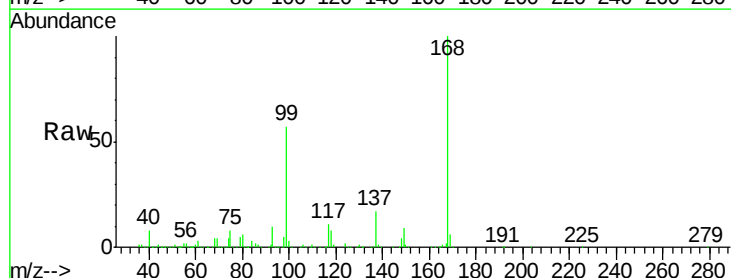
Tgt Ion:117 Resp: 34821

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

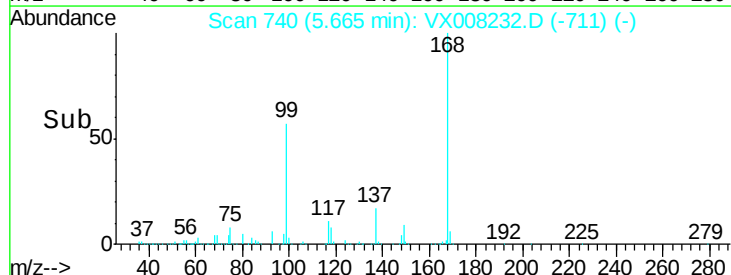
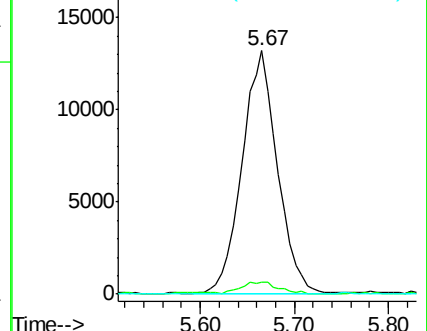
121 0.0 24.6 36.8#

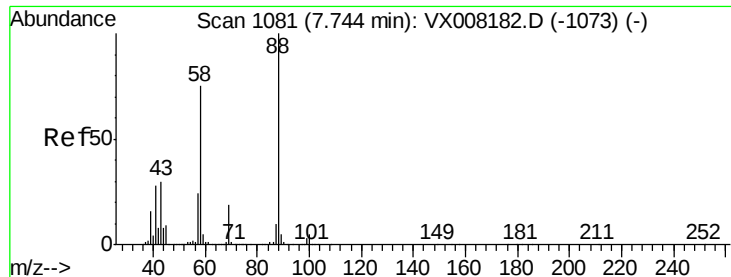


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

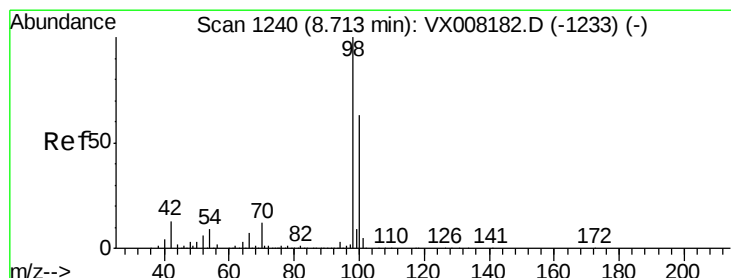
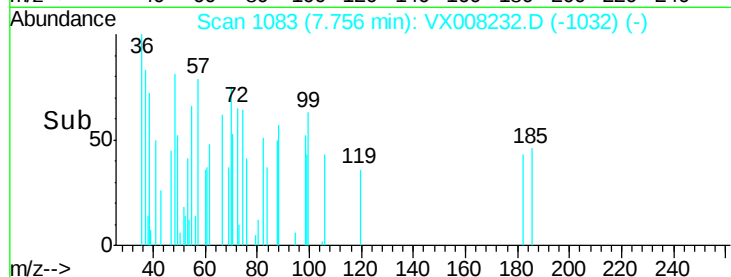
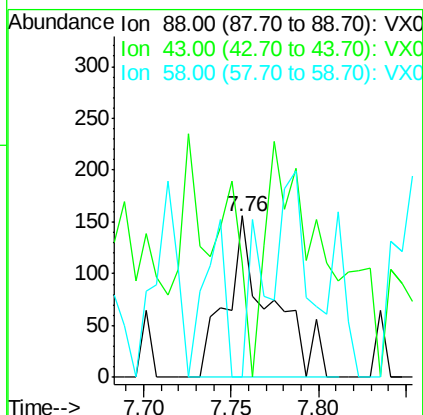
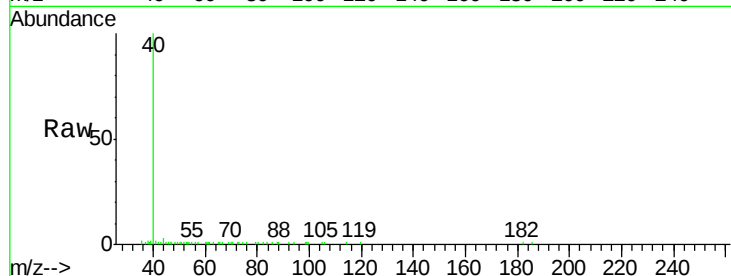




#49
1,4-Dioxane
Concen: 2.355 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX008232.D
Acq: 20 Mar 2019 10:57

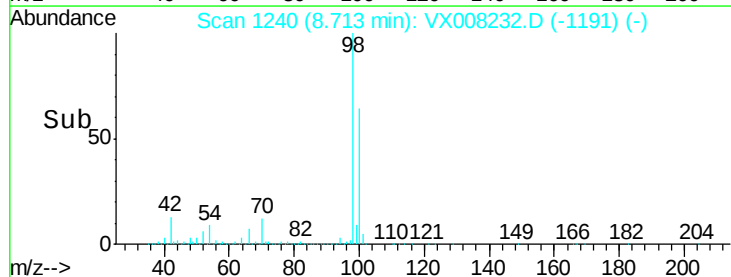
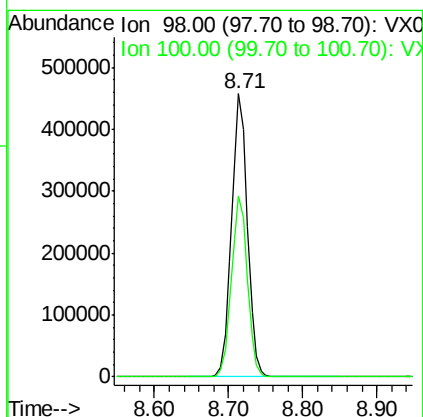
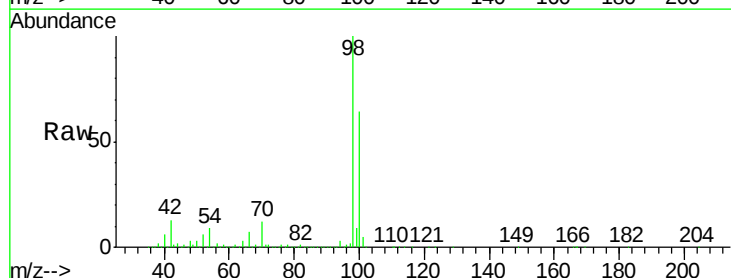
Instrument :
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ClientSampled :
VX0320WBL01

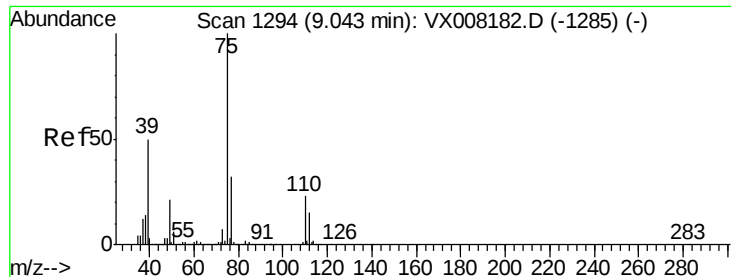
Tot Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 59.5 25.1 37.7#
58 45.6 57.8 86.6#



#50
Toluene-d8
Concen: 48.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008232.D
Acq: 20 Mar 2019 10:57

Tgt Ion: 98 Resp: 687498
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.484 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

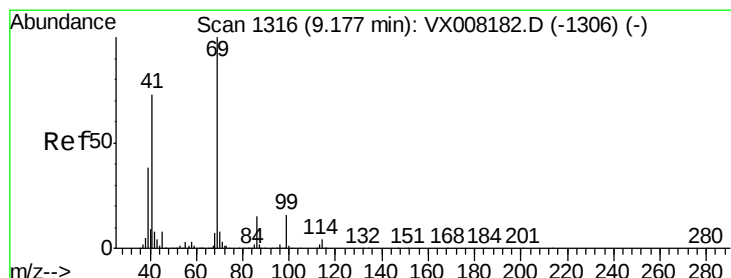
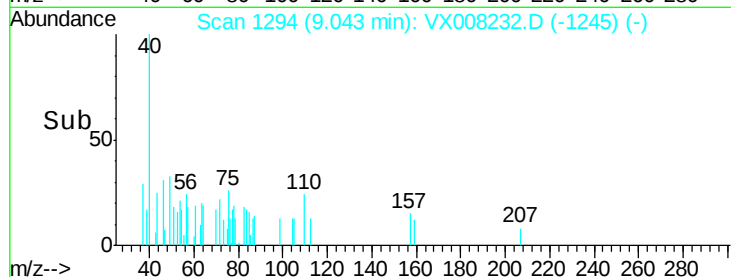
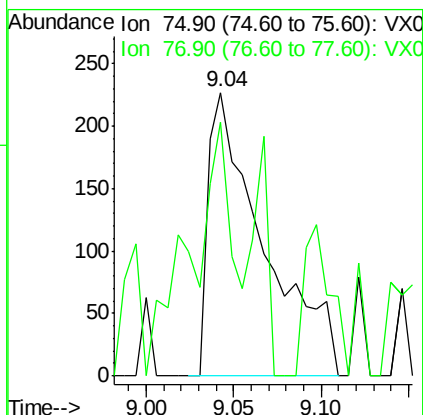
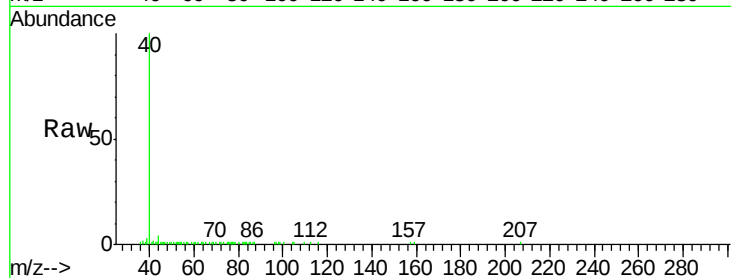
VX0320WBL01

Tot Ion: 75 Resp: 501

Ion Ratio Lower Upper

75 100

77 61.2 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.547 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

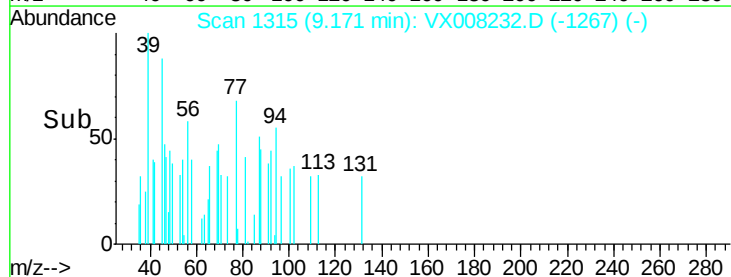
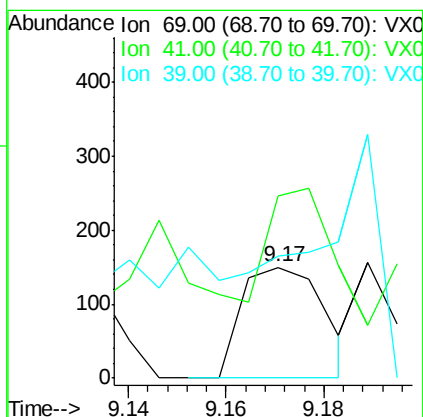
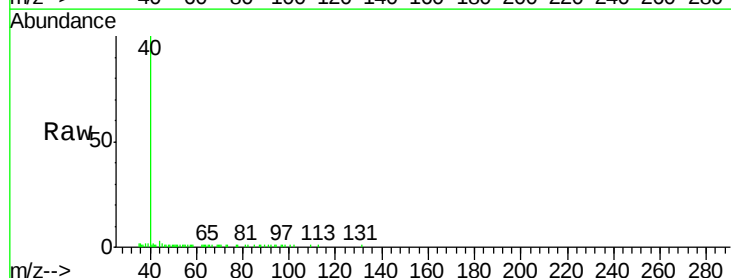
Tgt Ion: 69 Resp: 175

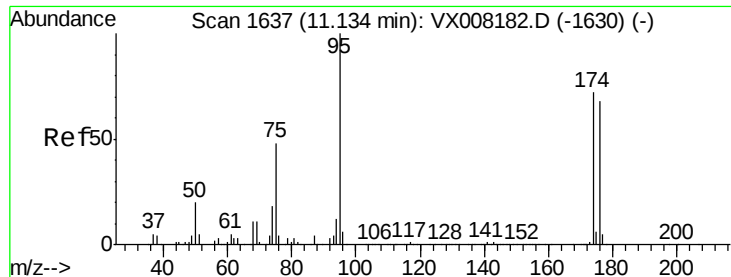
Ion Ratio Lower Upper

69 100

41 92.0 54.2 81.4#

39 50.9 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.858 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBL01

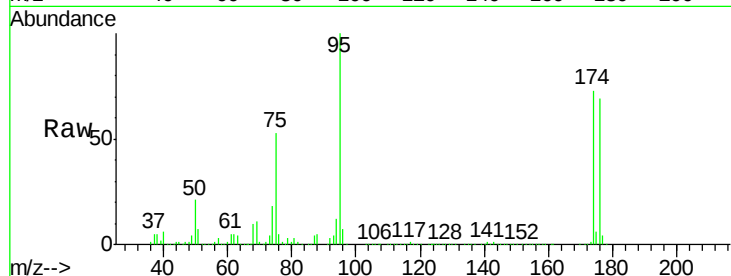
Tot Ion: 95 Resp: 220337

Ion Ratio Lower Upper

95 100

174 78.4 0.0 182.8

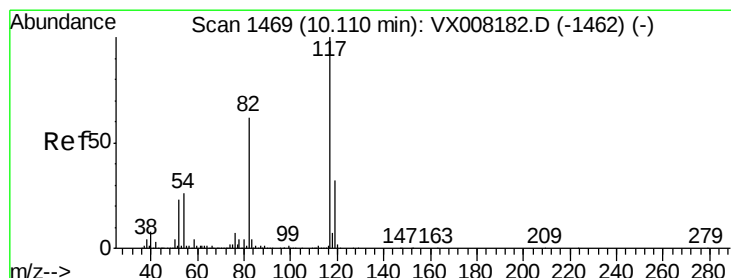
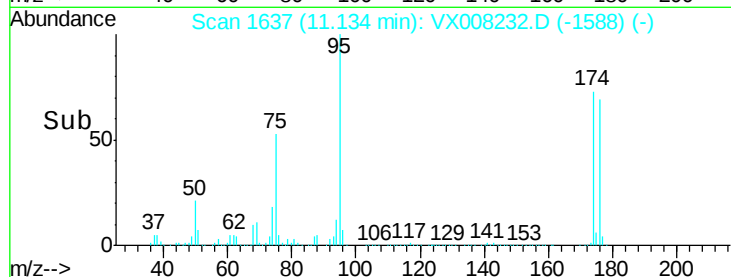
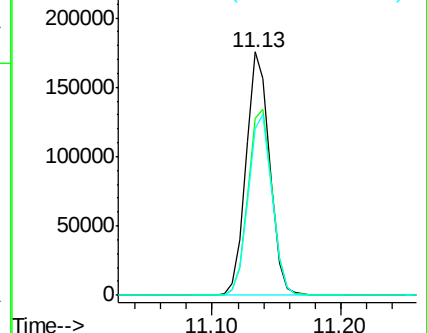
176 75.1 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

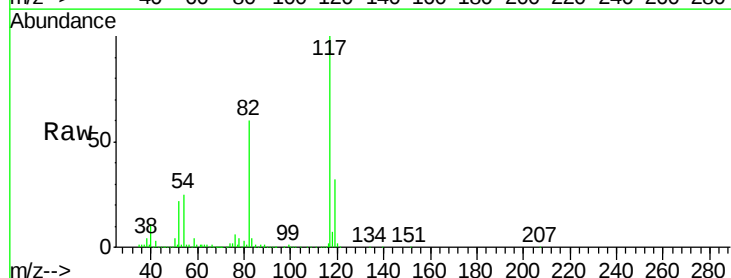
Tgt Ion: 117 Resp: 473987

Ion Ratio Lower Upper

117 100

82 60.0 44.3 66.5

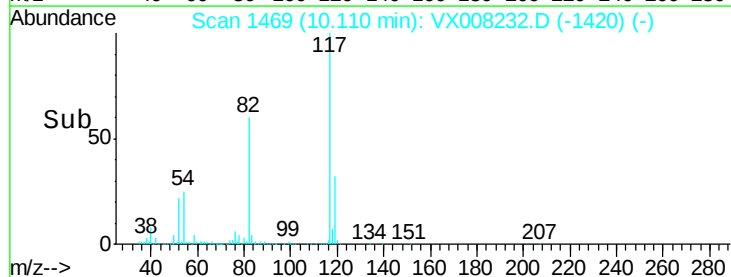
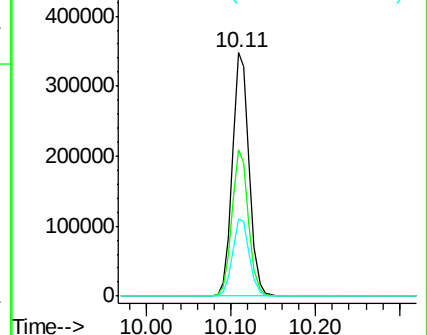
119 31.9 25.3 37.9

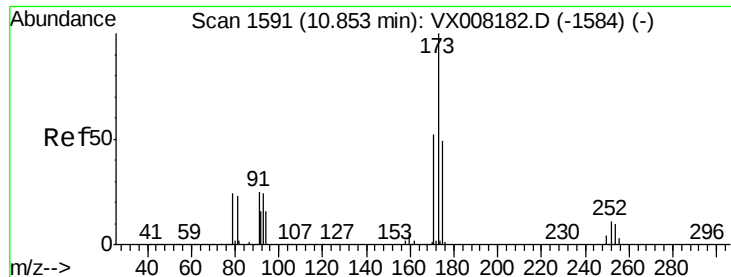


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 2.221 ug/l

RT: 10.84 min Scan# 1588

Delta R.T. -0.02 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBL01

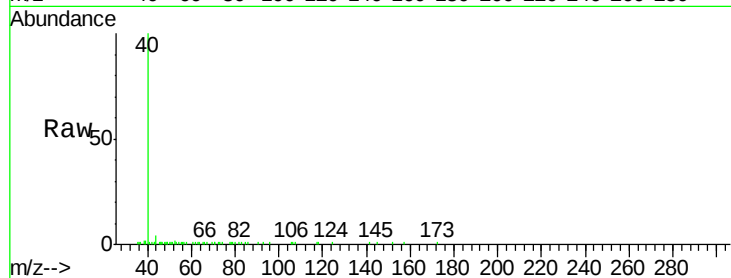
Tot Ion:173 Resp: 69

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

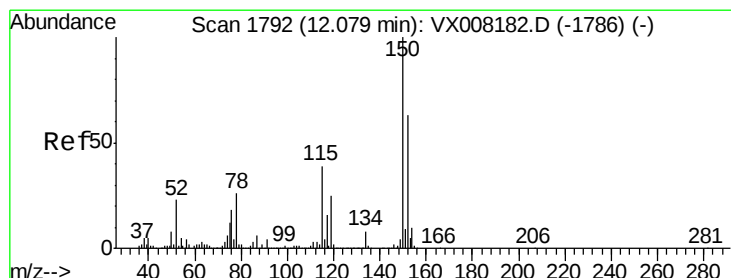
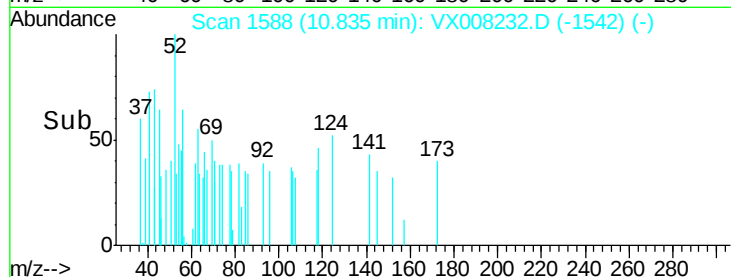
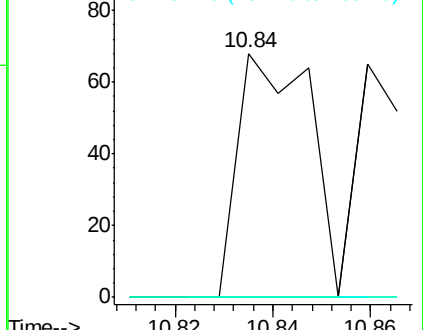
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008232.D

Acq: 20 Mar 2019 10:57

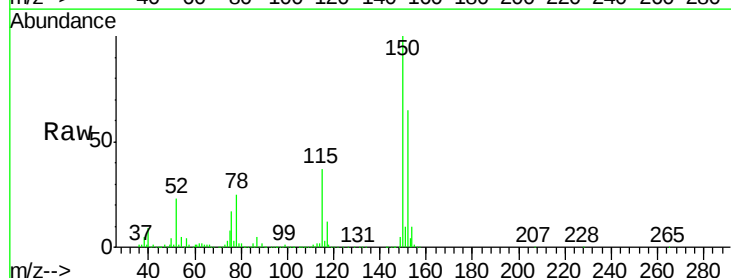
Tgt Ion:152 Resp: 190495

Ion Ratio Lower Upper

152 100

115 60.0 38.6 115.7

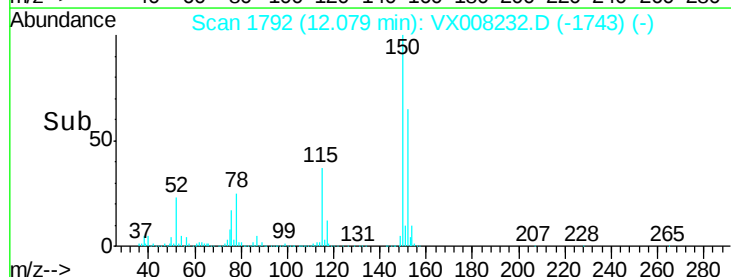
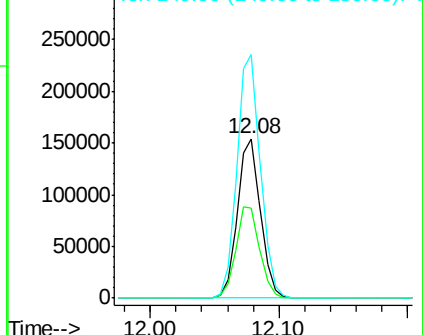
150 156.3 0.0 348.4

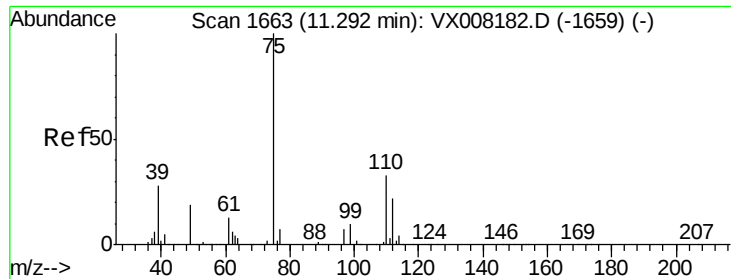


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

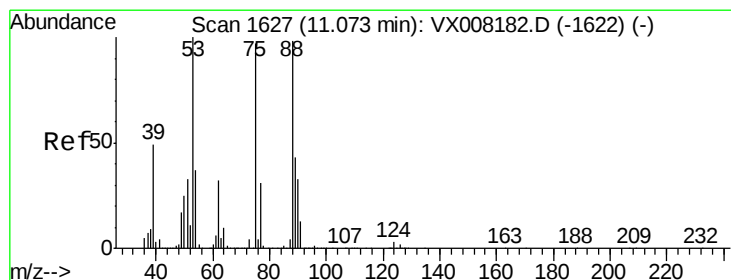
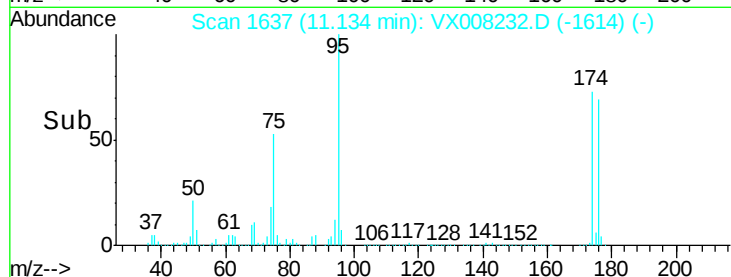
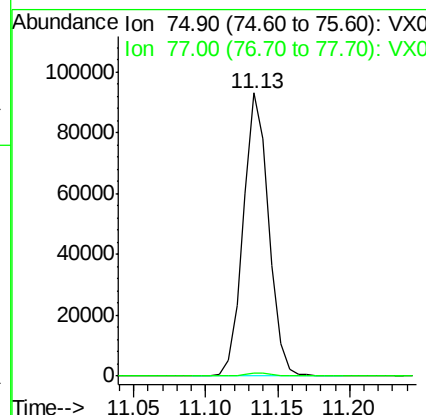
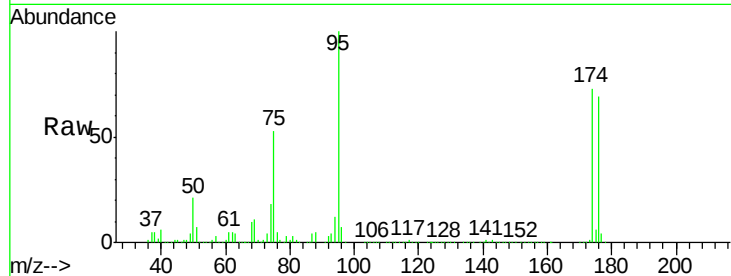




#76
 1,2,3-Trichloropropane
 Concen: 21.274 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008232.D
 Acq: 20 Mar 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBL01

Tot Ion: 75 Resp: 113985
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.113 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008232.D
 Acq: 20 Mar 2019 10:57

Tgt Ion: 75 Resp: 113985
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.3 54.5#

