

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008267.D
 Acq On : 21 Mar 2019 02:26
 Operator : JC/SP
 Sample : K1945-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20190226

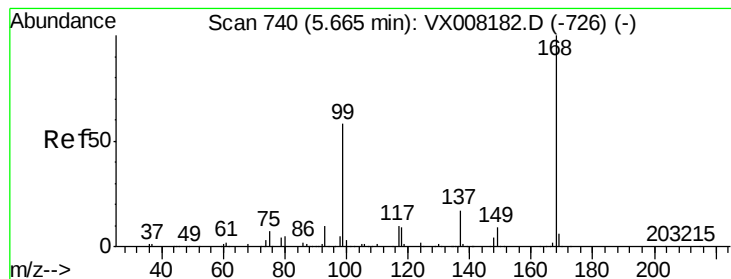
Quant Time: Mar 22 05:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	535302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	448264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180277	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	231089	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.50	113	171960	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	8.71	98	655830	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	207552	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	1067	1.024	ug/l #	91
13) Acrolein	2.32	56	309	Below Cal	#	67
16) Acetone	2.44	43	1039	0.376	ug/l	97
17) Carbon Disulfide	2.58	76	1074	0.758	ug/l	96
20) Methylene Chloride	2.86	84	1380	0.300	ug/l #	84
31) Cyclohexane	5.66	56	7087	0.878	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	26260	4.214	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32027	5.767	ug/l #	17
49) 1,4-Dioxane	7.76	88	40	0.361	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	20	1.425	ug/l	97
56) Ethyl methacrylate	9.16	69	151	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	107621	21.225	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	107621	53.991	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

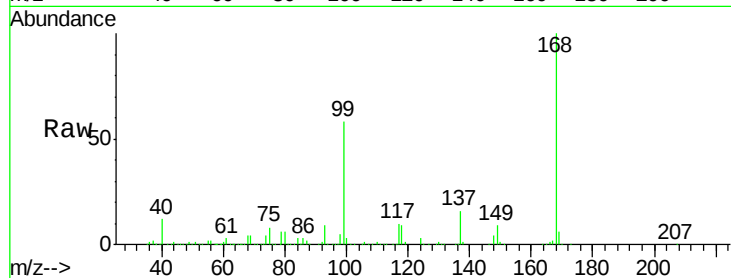
TB-20190226

Tot Ion:168 Resp: 323176

Ion Ratio Lower Upper

168 100

99 57.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

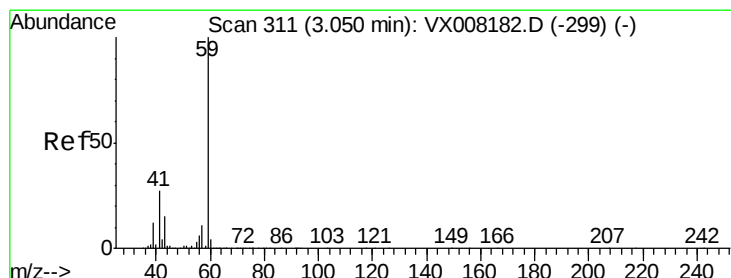
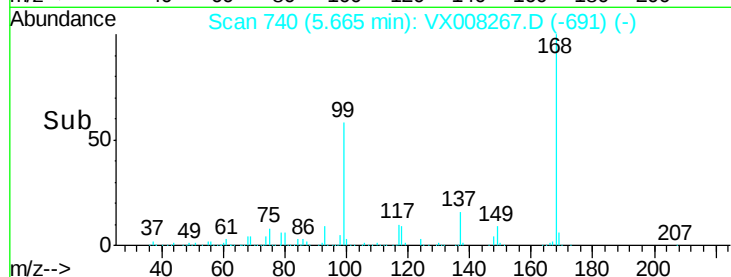
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.024 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008267.D

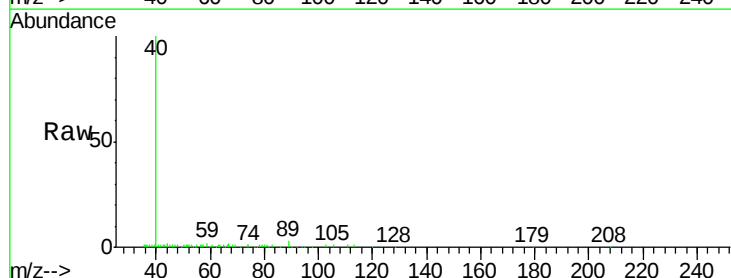
Acq: 21 Mar 2019 02:26

Tgt Ion: 59 Resp: 1067

Ion Ratio Lower Upper

59 100

57 6.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

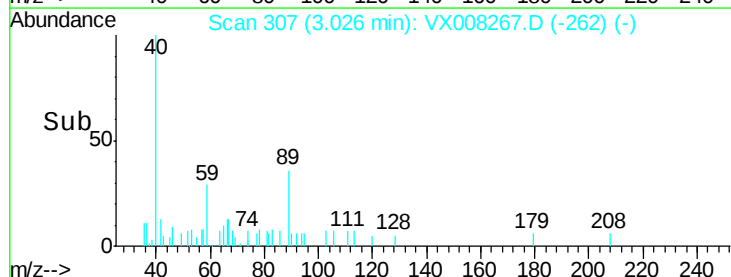
300

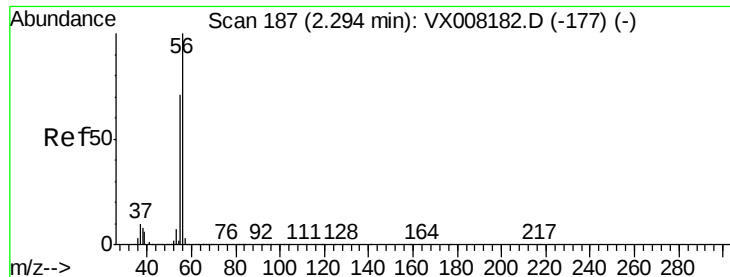
200

100

0

Time--> 2.95 3.00 3.05





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampled :

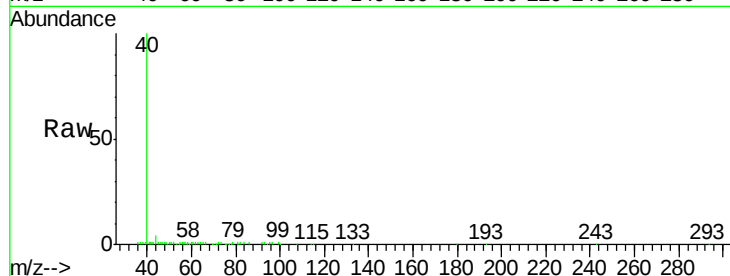
TB-20190226

Tot Ion: 56 Resp: 309

Ion Ratio Lower Upper

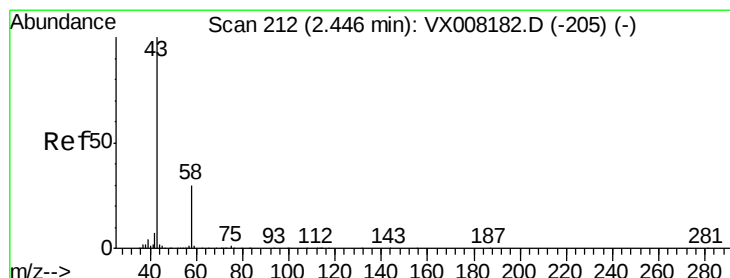
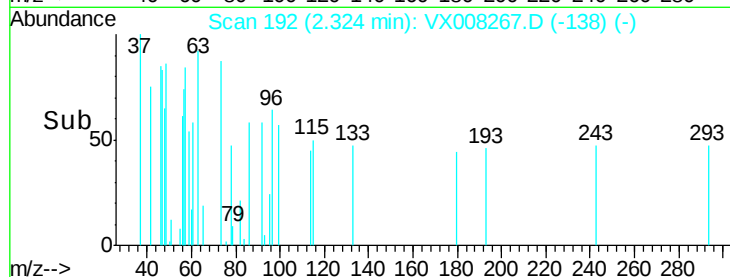
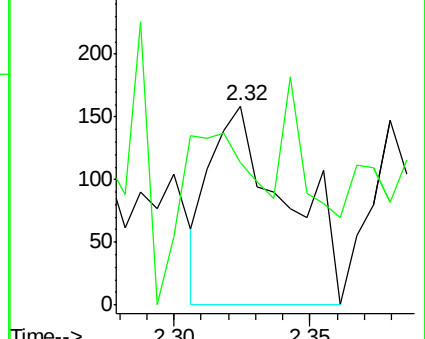
56 100

55 44.7 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.376 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008267.D

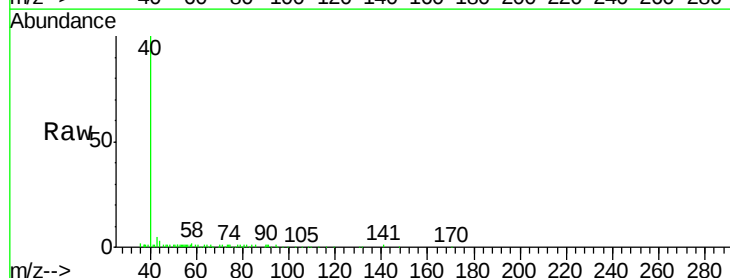
Acq: 21 Mar 2019 02:26

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

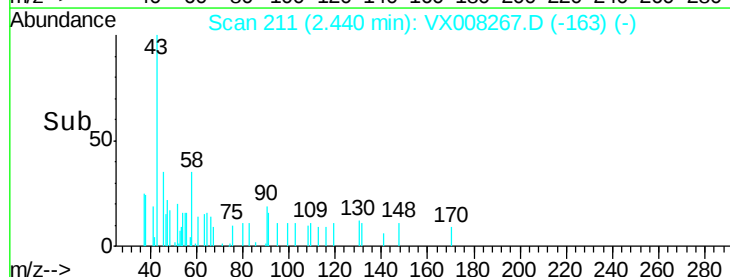
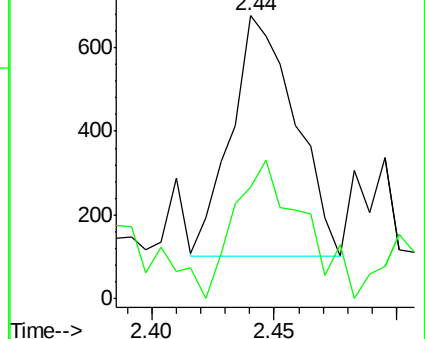
43 100

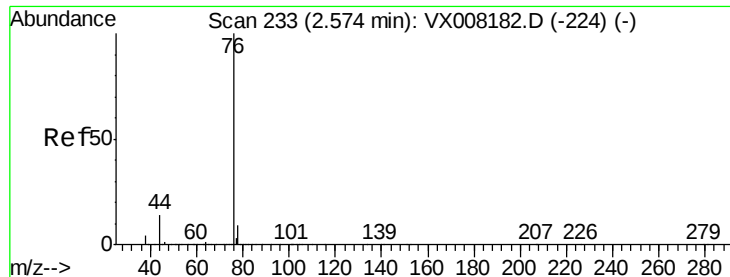
58 33.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.758 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampled :

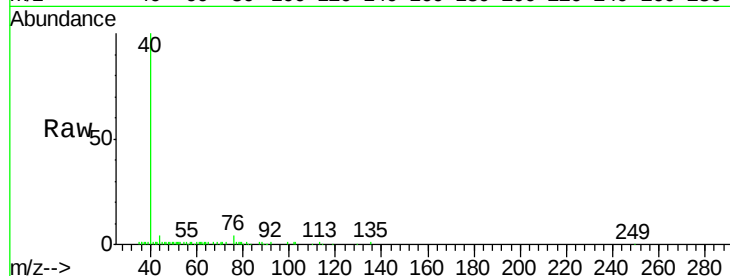
TB-20190226

Tot Ion: 76 Resp: 1074

Ion Ratio Lower Upper

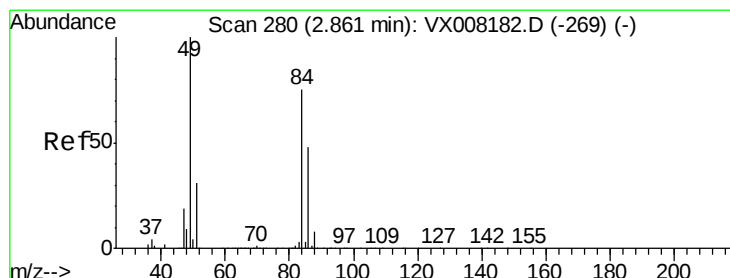
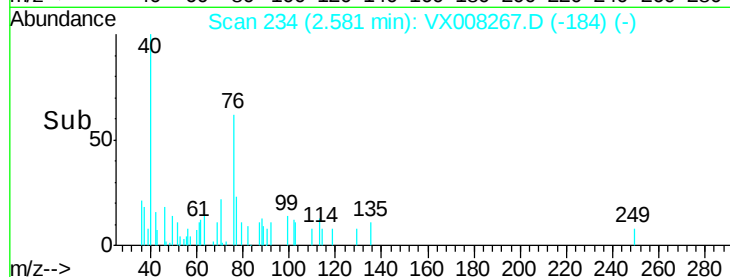
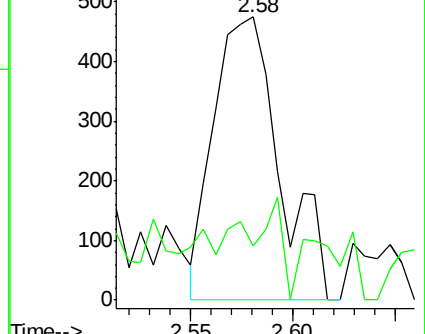
76 100

78 7.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.300 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Tgt Ion: 84 Resp: 1380

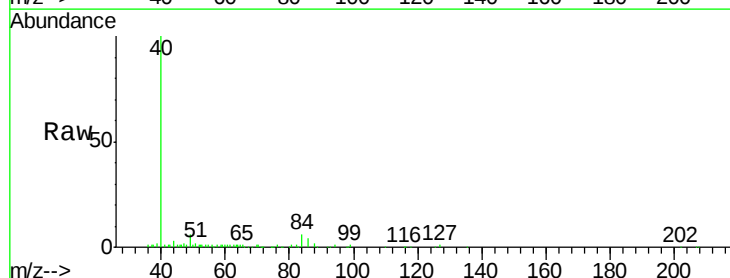
Ion Ratio Lower Upper

84 100

49 95.7 99.3 148.9#

51 32.9 31.3 46.9

86 64.5 52.6 79.0

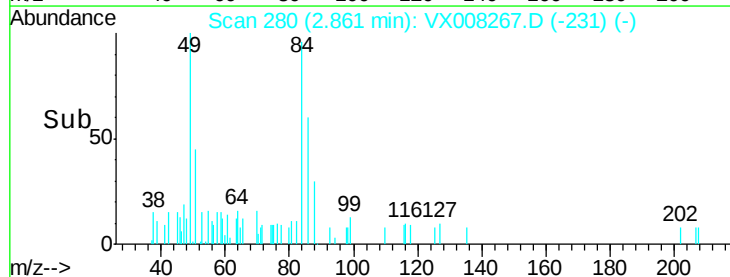
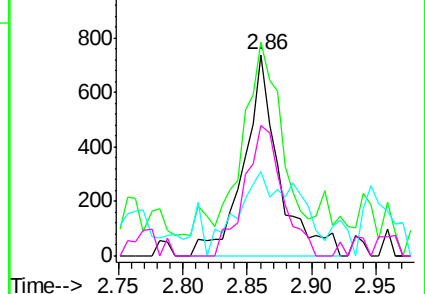


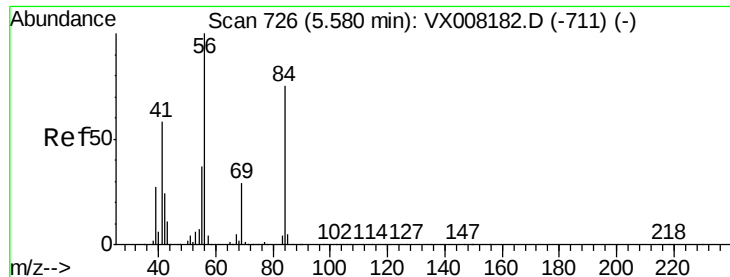
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

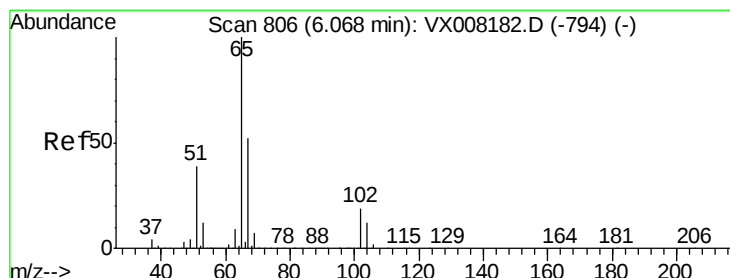
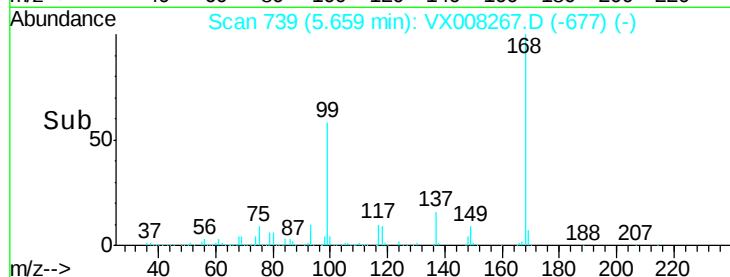
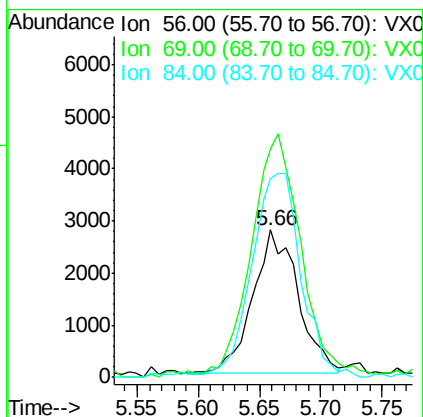
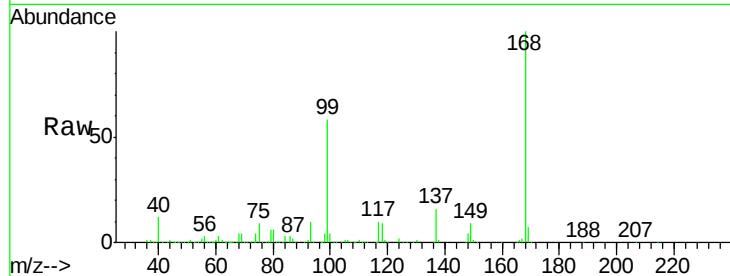




#31
Cyclohexane
Concen: 0.878 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

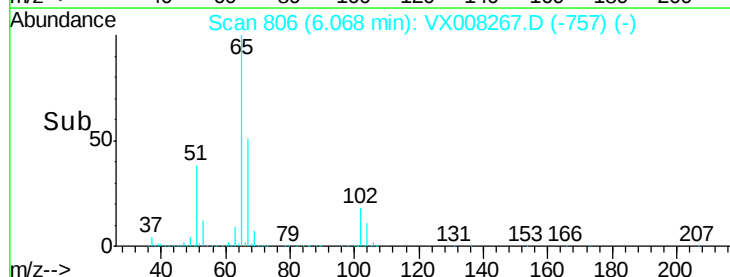
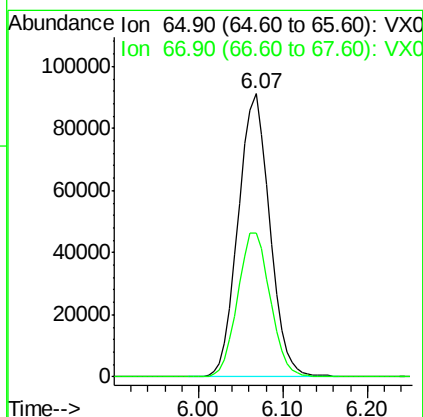
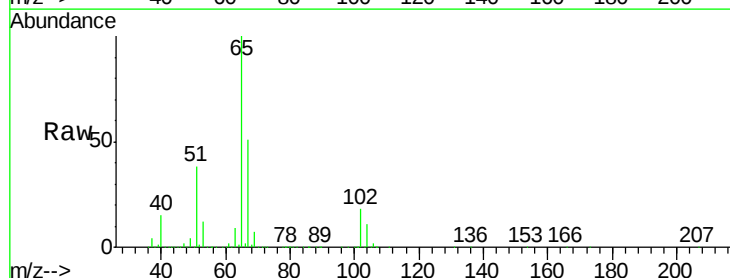
Instrument :
MSVOA_X
ClientSampleId :
TB-20190226

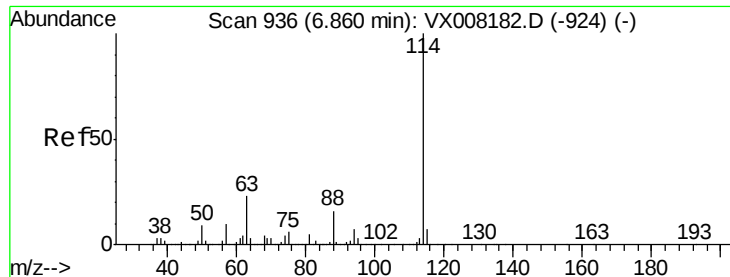
Tot Ion: 56 Resp: 7087
Ion Ratio Lower Upper
56 100
69 155.0 24.0 36.0#
84 136.2 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 47.478 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

Tgt Ion: 65 Resp: 231089
Ion Ratio Lower Upper
65 100
67 52.3 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

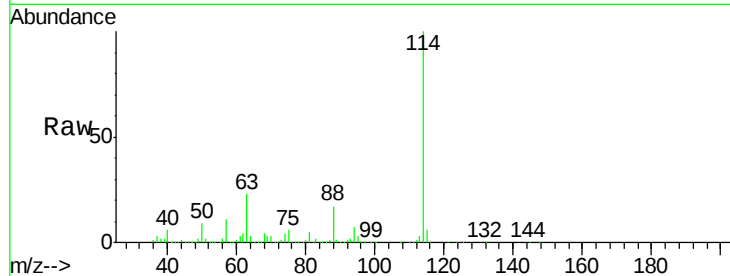
Tot Ion:114 Resp: 535302

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

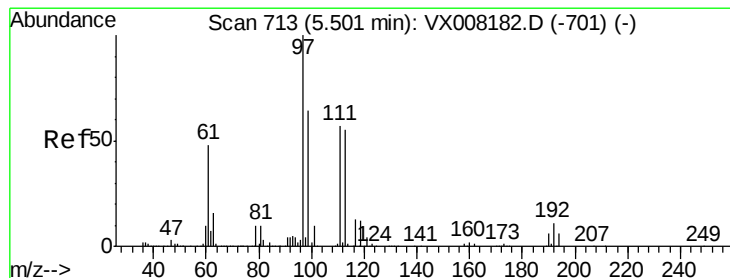
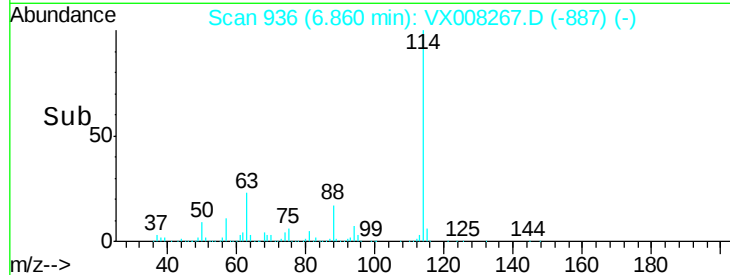
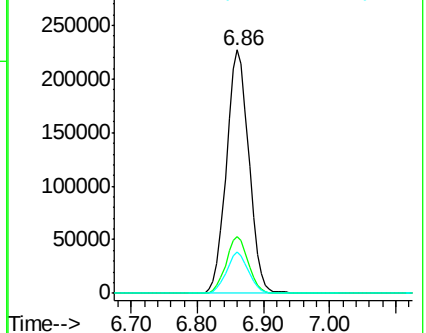
88 16.9 0.0 31.4



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: 47.987 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

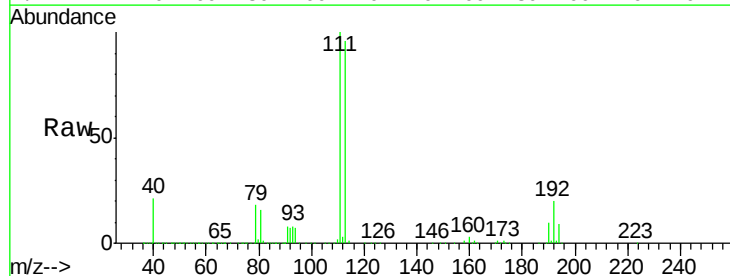
Tgt Ion:113 Resp: 171960

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

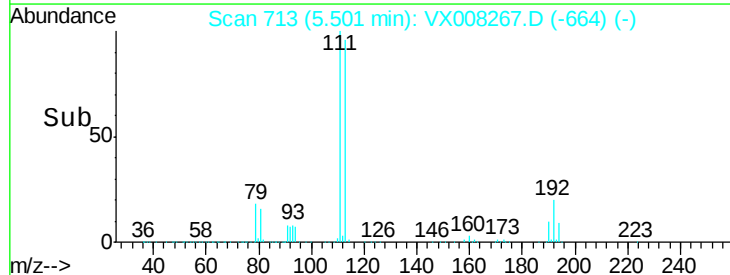
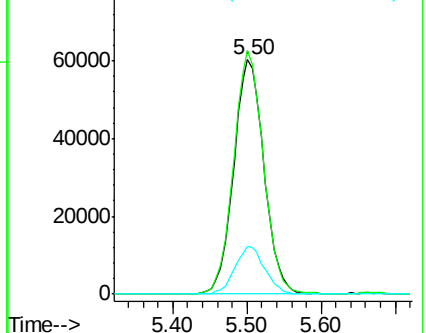
192 20.1 19.4 29.0

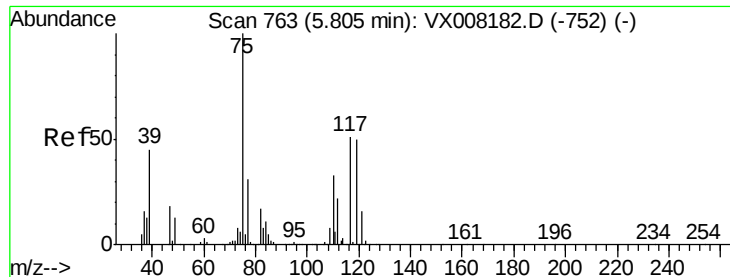


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.214 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

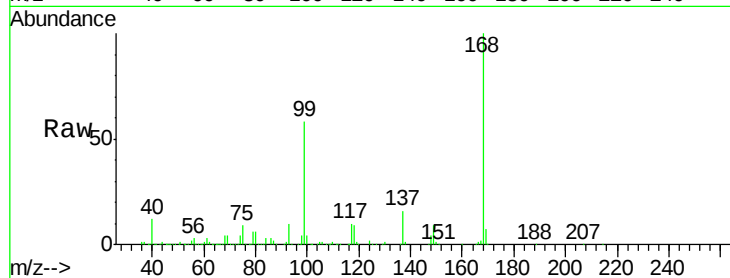
Tot Ion: 75 Resp: 26260

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

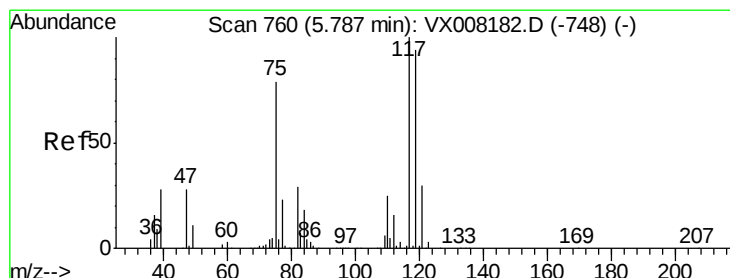
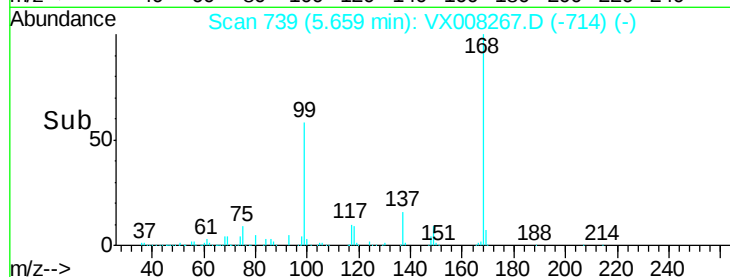
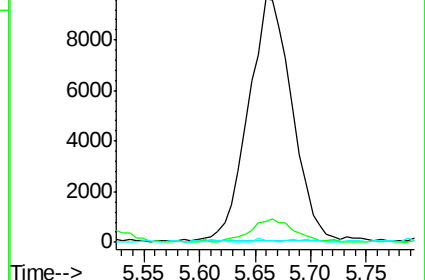
77 0.4 25.0 37.4#



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: 5.767 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

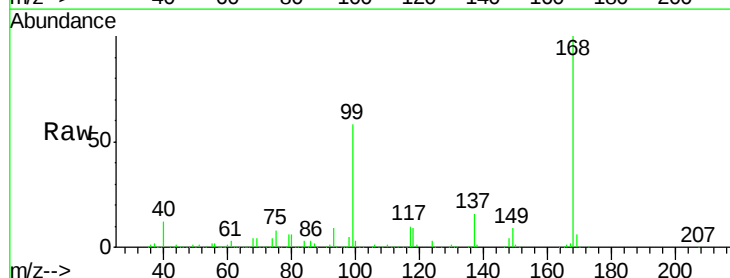
Tgt Ion:117 Resp: 32027

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

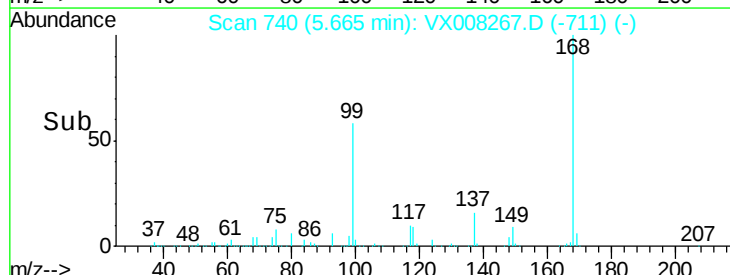
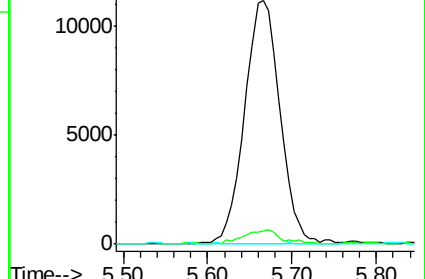
121 0.0 24.6 36.8#

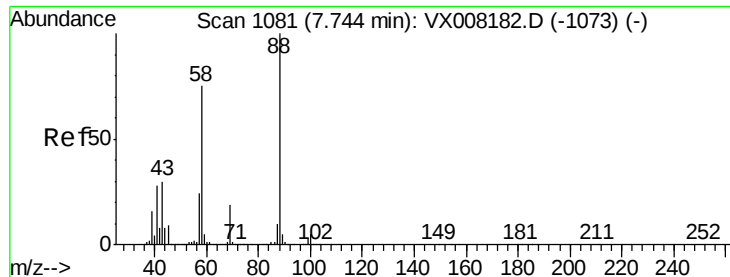


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

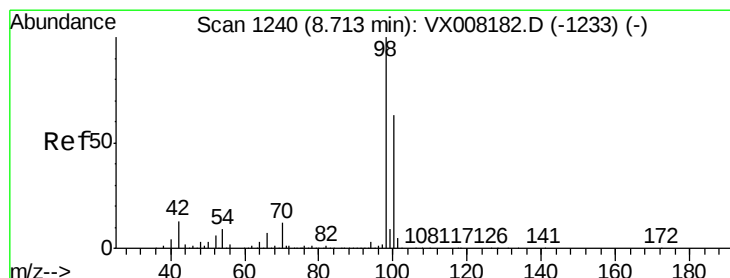
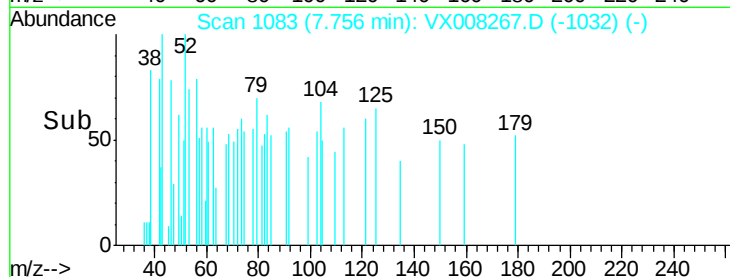
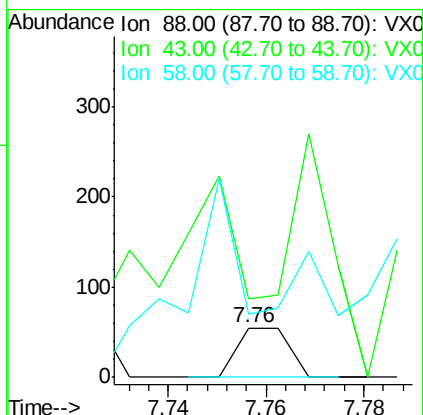
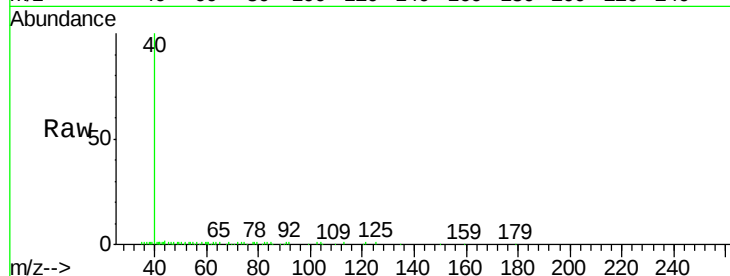




#49
1,4-Dioxane
Concen: 0.361 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

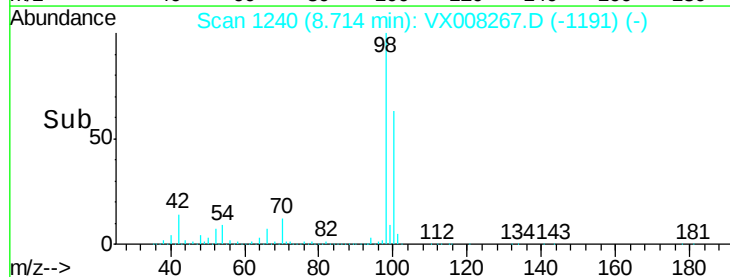
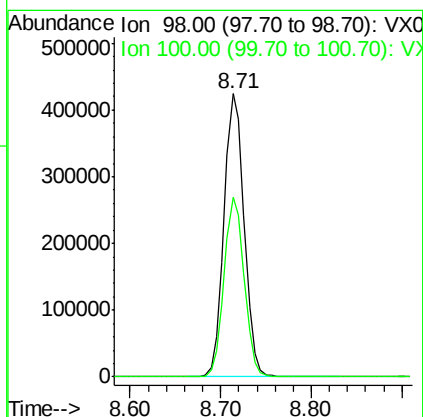
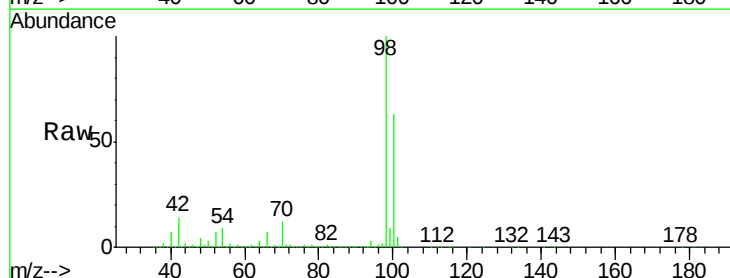
Instrument :
MSVOA_X
ClientSampled :
TB-20190226

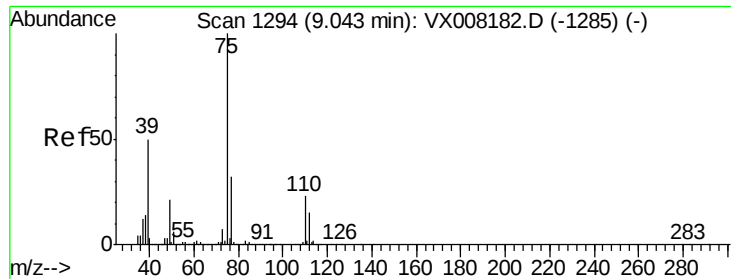
Tot Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 470.0 25.1 37.7#
58 532.5 57.8 86.6#



#50
Toluene-d8
Concen: 48.271 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

Tgt Ion: 98 Resp: 655830
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

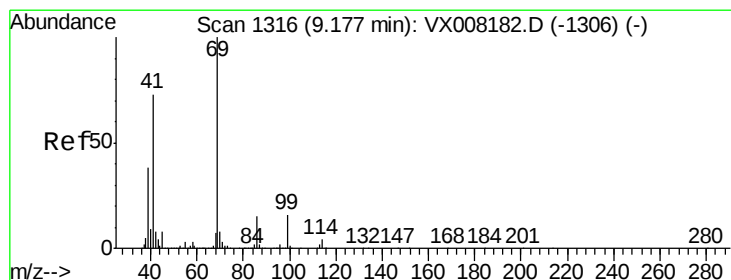
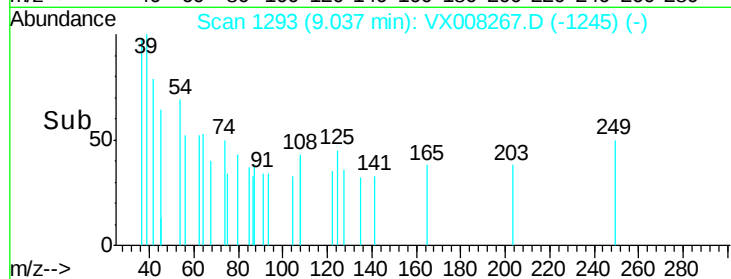
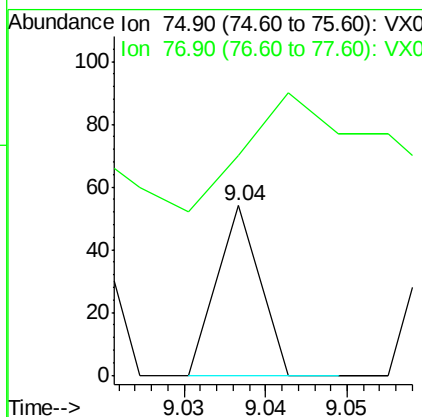
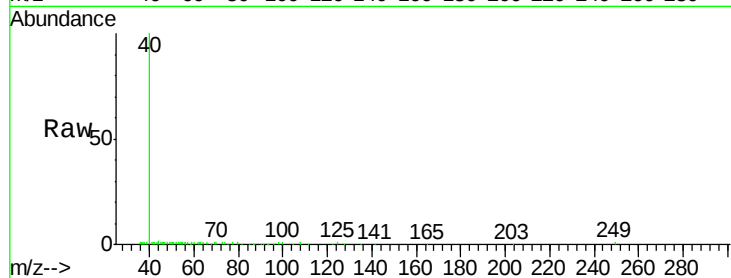




#53
t-1,3-Dichloropropene
Concen: 1.425 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

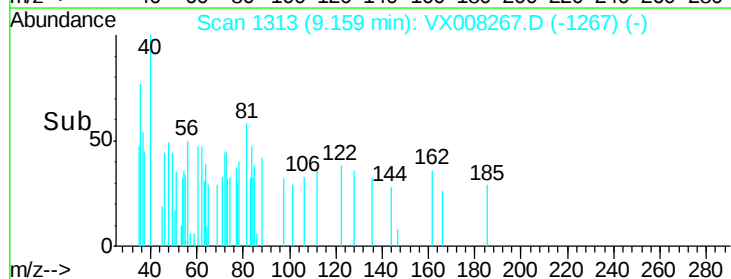
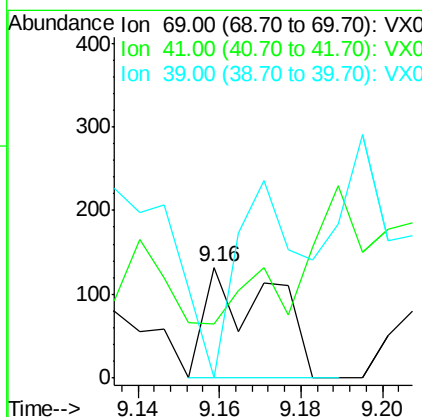
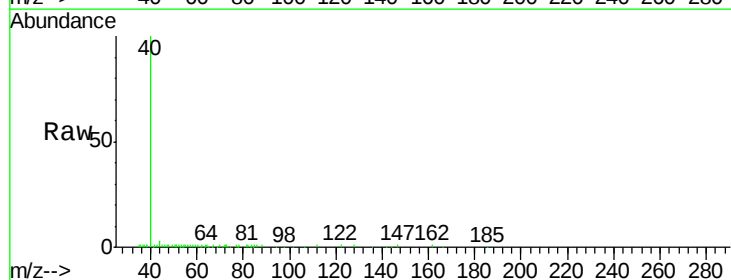
Instrument :
MSVOA_X
ClientSampleId :
TB-20190226

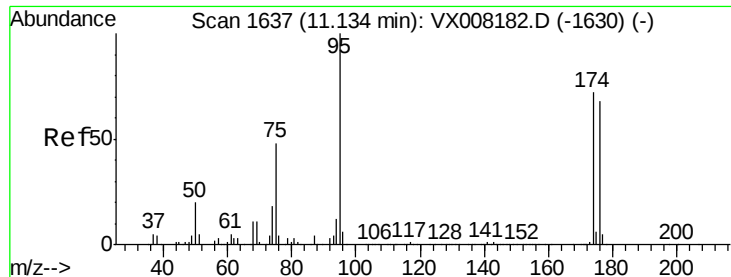
Tot Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.0



#56
Ethyl methacrylate
Concen: 0.545 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VX008267.D
Acq: 21 Mar 2019 02:26

Tgt Ion: 69 Resp: 151
Ion Ratio Lower Upper
69 100
41 0.0 54.2 81.4#
39 170.2 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.367 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

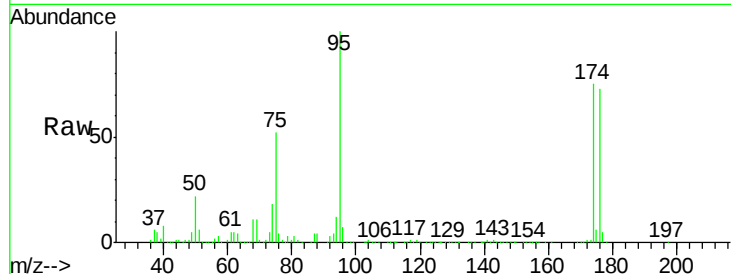
Tot Ion: 95 Resp: 207552

Ion Ratio Lower Upper

95 100

174 79.7 0.0 182.8

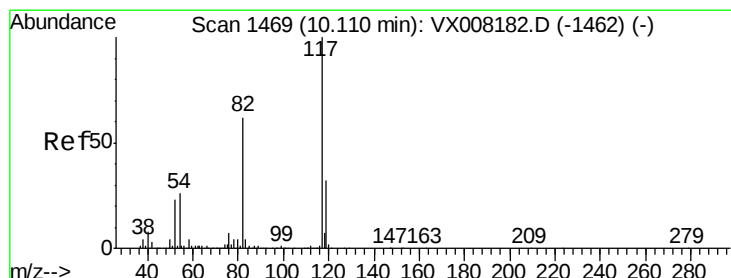
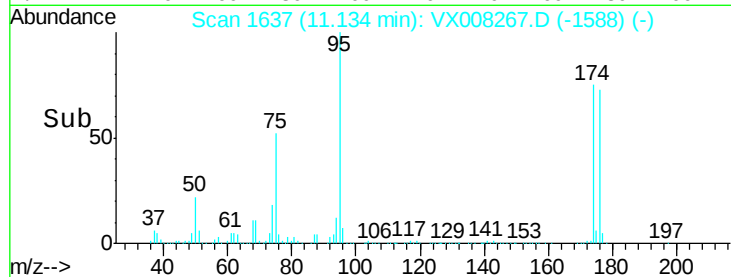
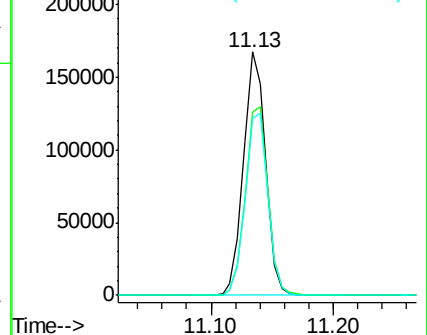
176 77.0 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008267.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008267.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008267.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

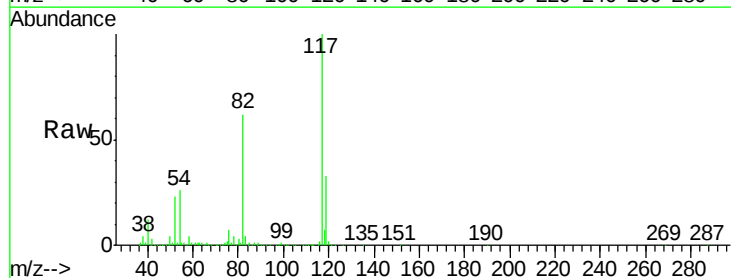
Tgt Ion: 117 Resp: 448264

Ion Ratio Lower Upper

117 100

82 61.7 44.3 66.5

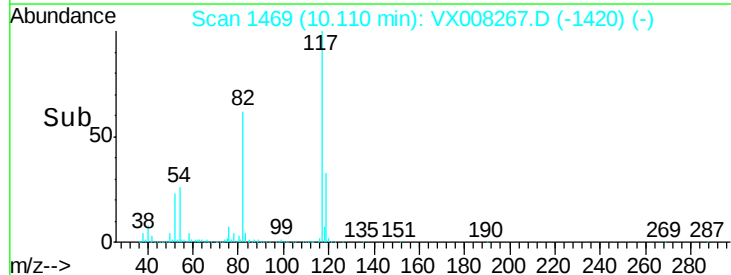
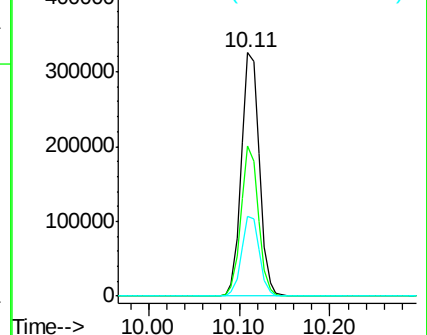
119 32.6 25.3 37.9

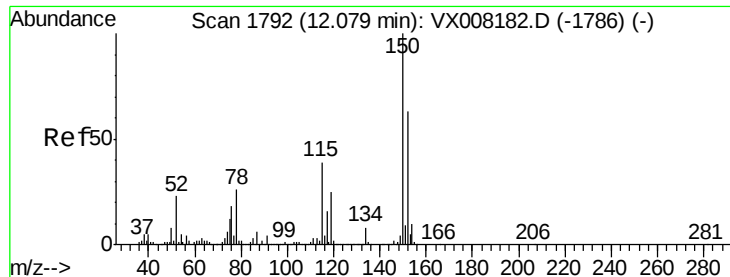


Abundance Ion 116.90 (116.60 to 117.60): VX008267.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008267.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008267.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampled :

TB-20190226

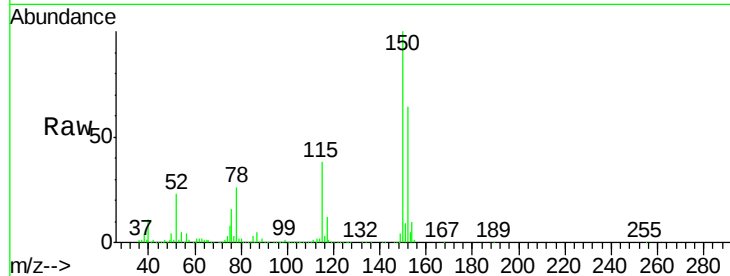
Tot Ion:152 Resp: 180277

Ion Ratio Lower Upper

152 100

115 59.7 38.6 115.7

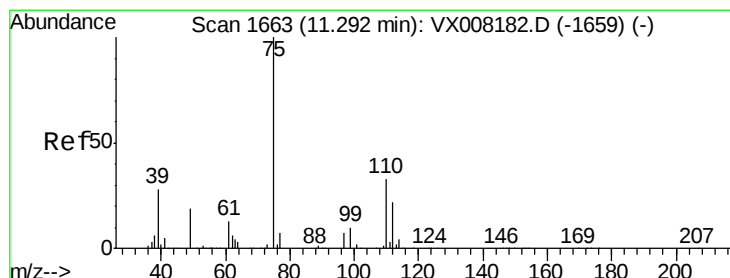
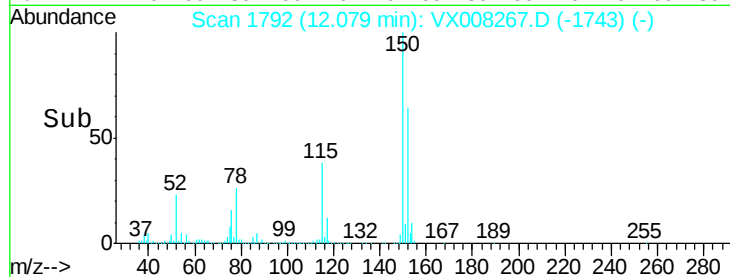
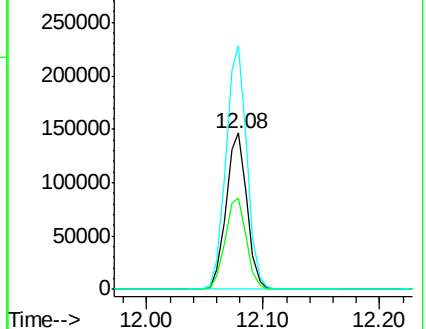
150 156.7 0.0 348.4



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: 21.225 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008267.D

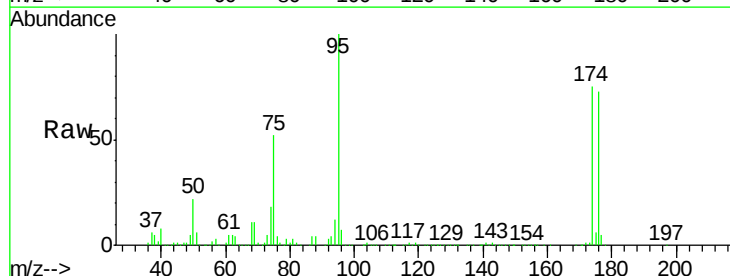
Acq: 21 Mar 2019 02:26

Tgt Ion: 75 Resp: 107621

Ion Ratio Lower Upper

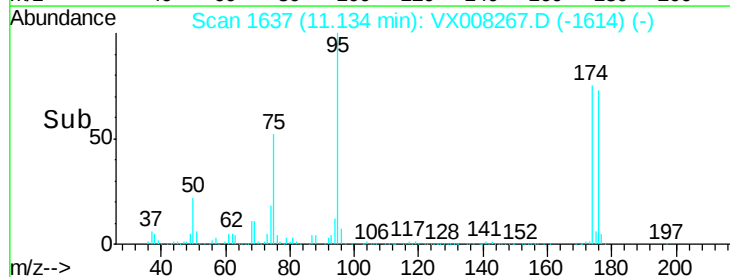
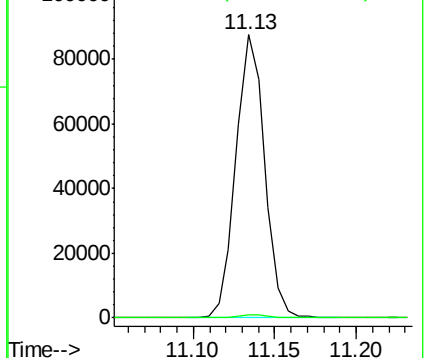
75 100

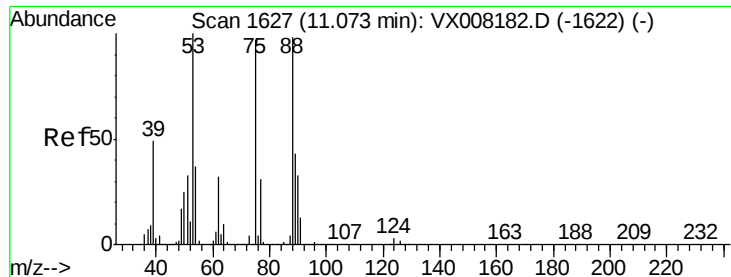
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008267.D

Acq: 21 Mar 2019 02:26

Instrument :

MSVOA_X

ClientSampleId :

TB-20190226

Tot Ion: 75 Resp: 107621

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

