

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008384.D
 Acq On : 24 Mar 2019 12:12
 Operator : JC/SP
 Sample : K2059-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB032119

Quant Time: Mar 25 05:44:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	216306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	161136	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.50	113	116972	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.71	98	465488	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.13	95	152171	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

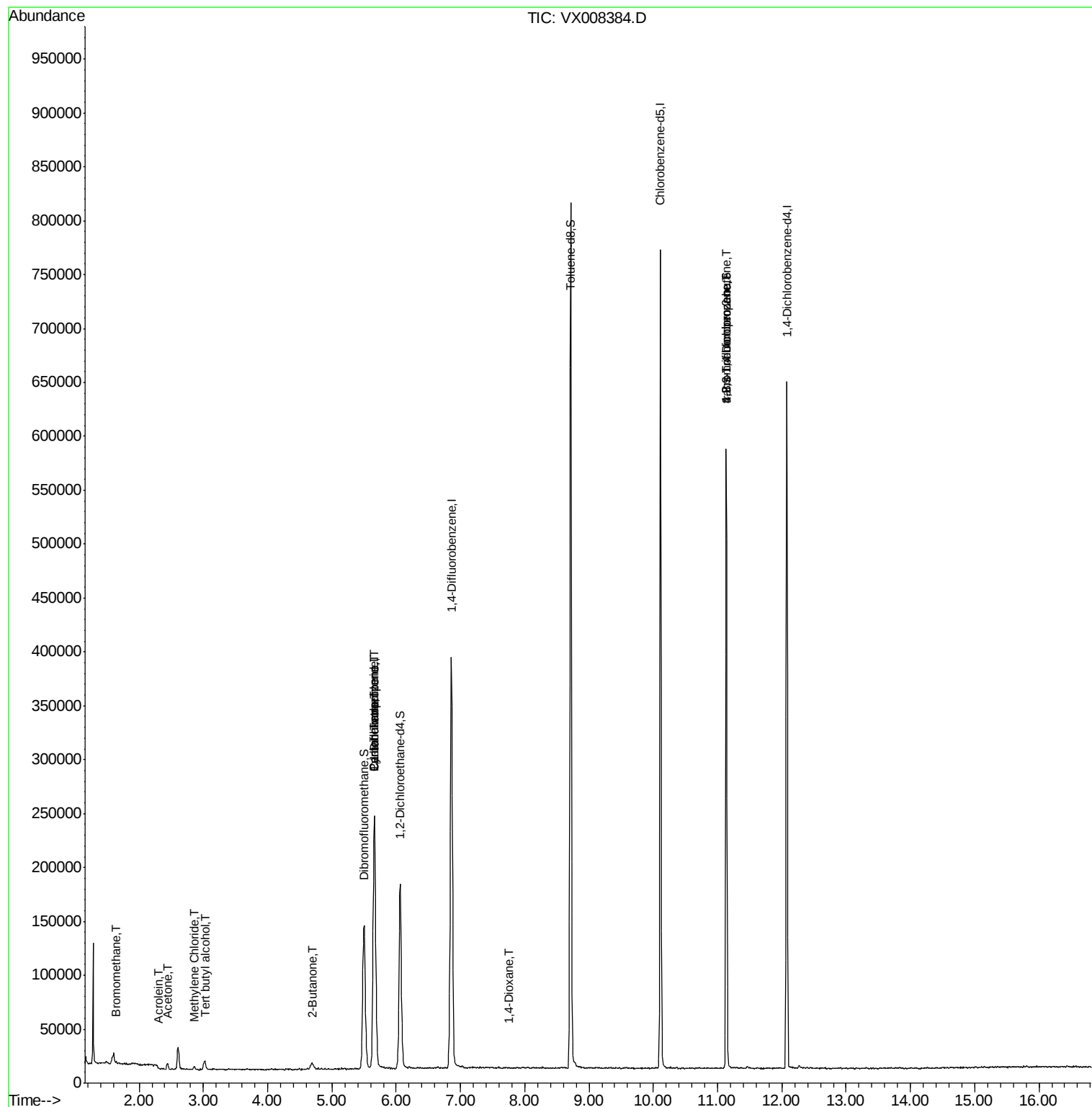
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	540	0.242	ug/l #	74
11) Tert butyl alcohol	3.02	59	5370	7.308	ug/l #	85
13) Acrolein	2.30	56	259	0.412	ug/l #	13
16) Acetone	2.45	43	5700	3.457	ug/l	95
20) Methylene Chloride	2.85	84	1072	0.361	ug/l #	72
25) 2-Butanone	4.68	43	1218	0.449	ug/l #	50
31) Cyclohexane	5.67	56	5736	1.106	ug/l #	3
36) 1,1-Dichloropropene	5.66	75	19212	5.040	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21987	6.728	ug/l #	15
49) 1,4-Dioxane	7.76	88	20	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78757	24.081	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78757	68.624	ug/l #	12

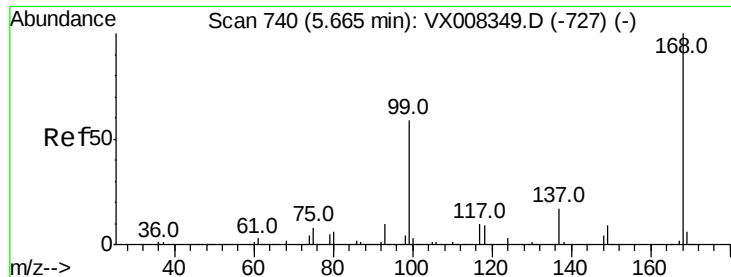
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

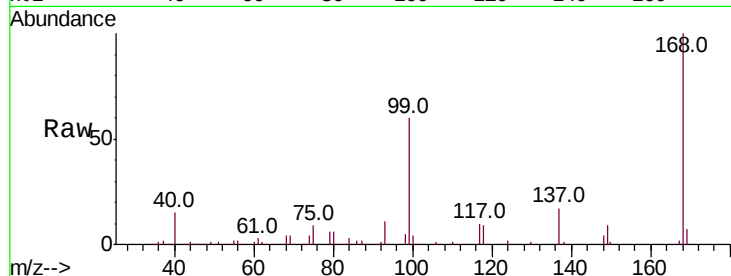
FB032119

Tot Ion:168 Resp: 216306

Ion Ratio Lower Upper

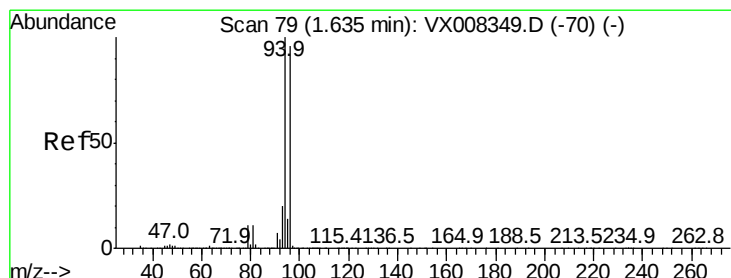
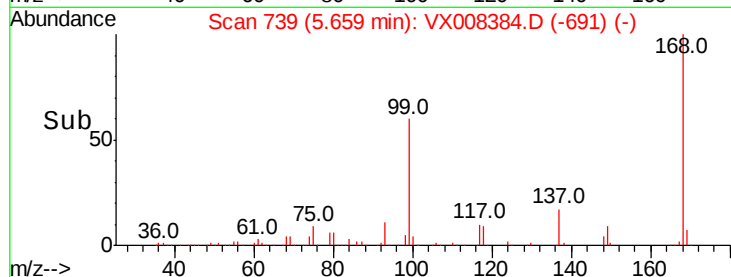
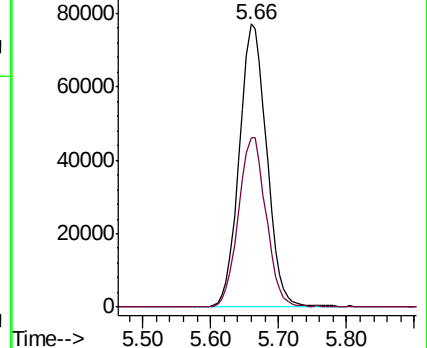
168 100

99 59.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.242 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008384.D

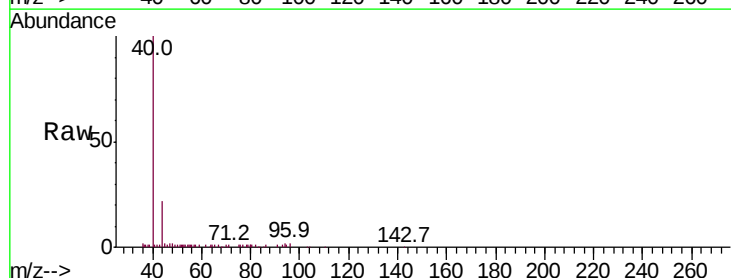
Acq: 24 Mar 2019 12:12

Tgt Ion: 94 Resp: 540

Ion Ratio Lower Upper

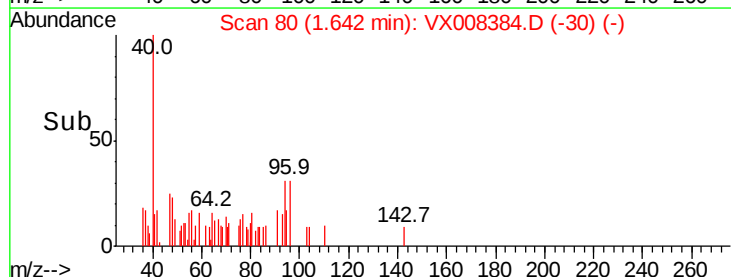
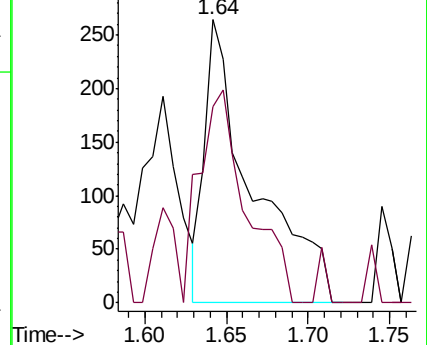
94 100

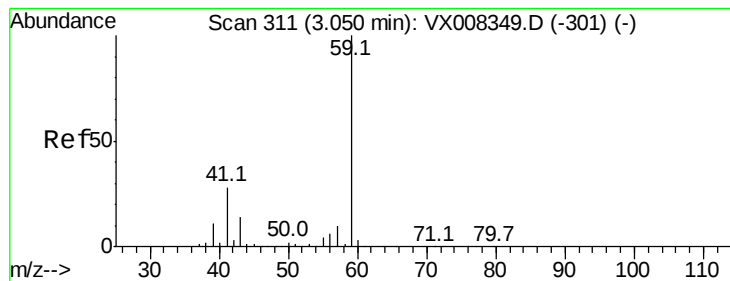
96 69.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



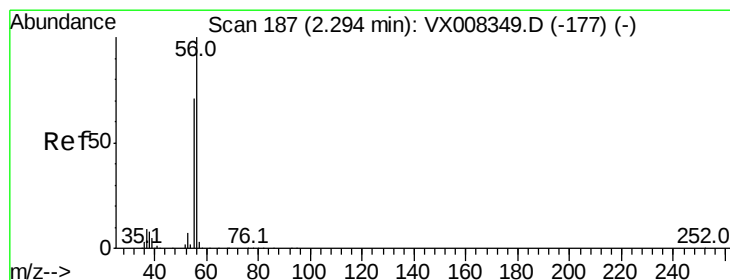
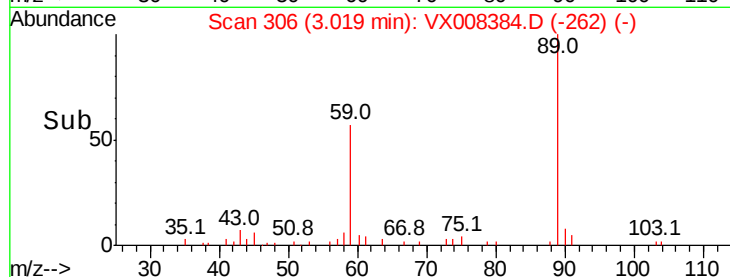
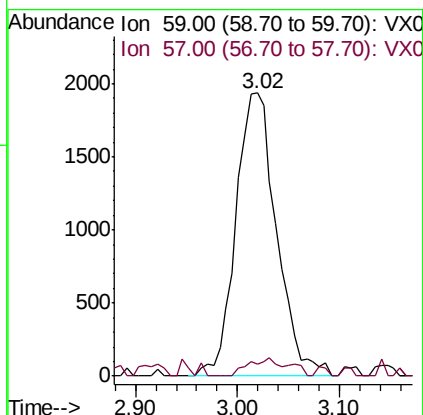
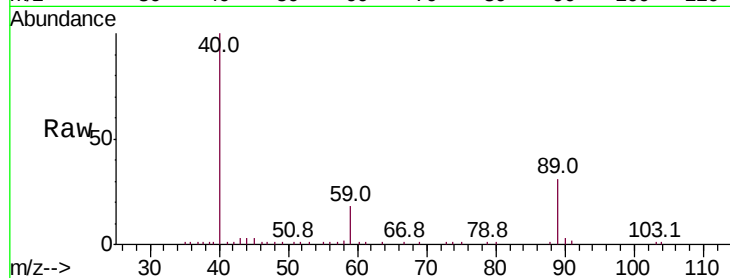


#11

Tert butyl alcohol
 Concen: 7.308 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008384.D
 Acq: 24 Mar 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FB032119

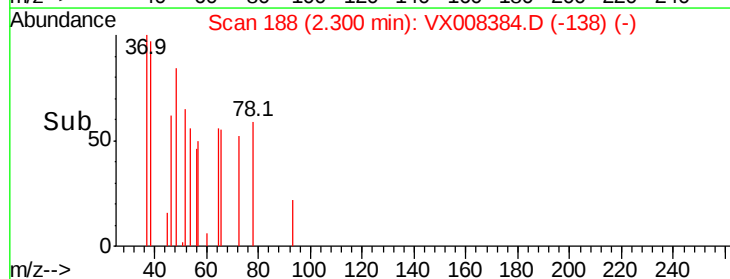
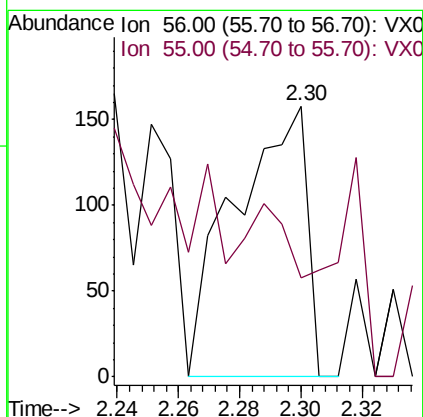
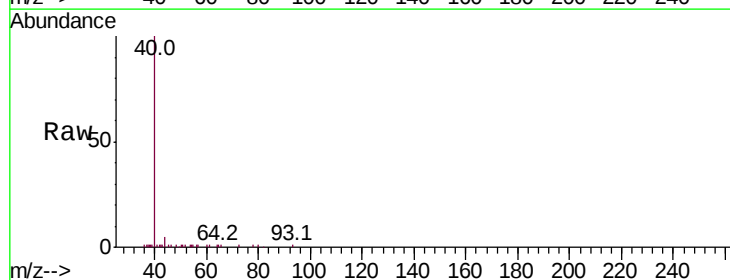
Tot Ion: 59 Resp: 5370
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.2 12.2#

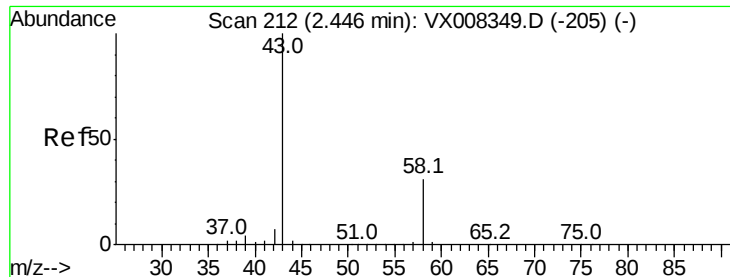


#13

Acrolein
 Concen: 0.412 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX008384.D
 Acq: 24 Mar 2019 12:12

Tgt Ion: 56 Resp: 259
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 3.457 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

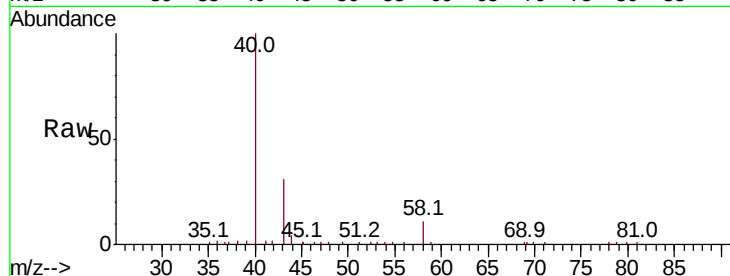
FB032119

Tot Ion: 43 Resp: 5700

Ion Ratio Lower Upper

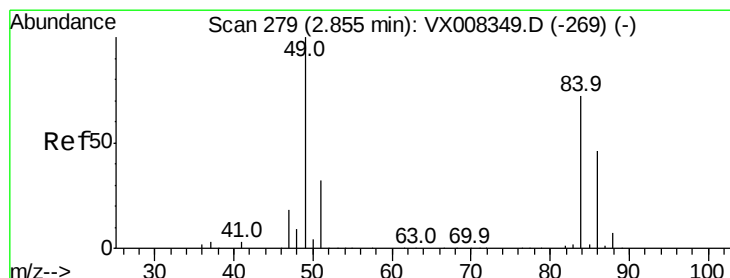
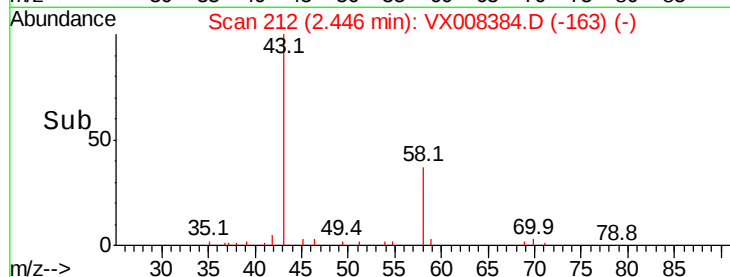
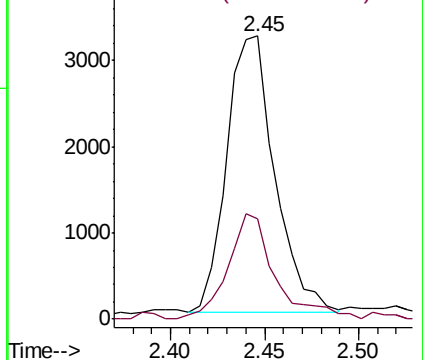
43 100

58 34.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.361 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Tgt Ion: 84 Resp: 1072

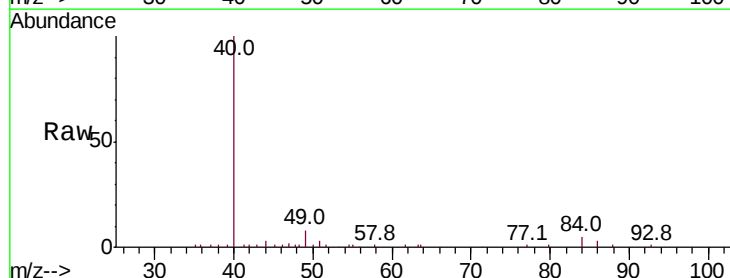
Ion Ratio Lower Upper

84 100

49 157.4 99.3 148.9#

51 68.8 31.3 46.9#

86 54.4 52.6 79.0

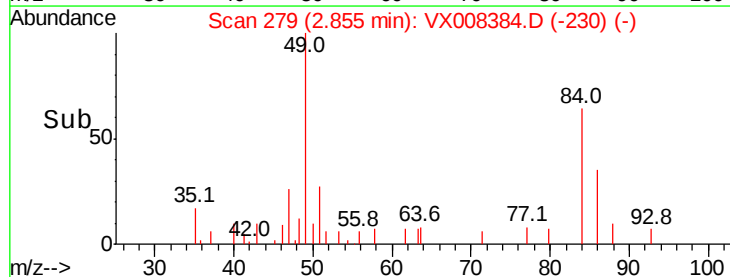
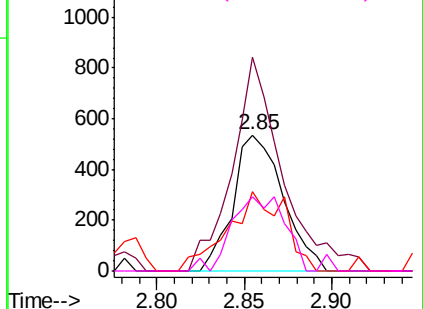


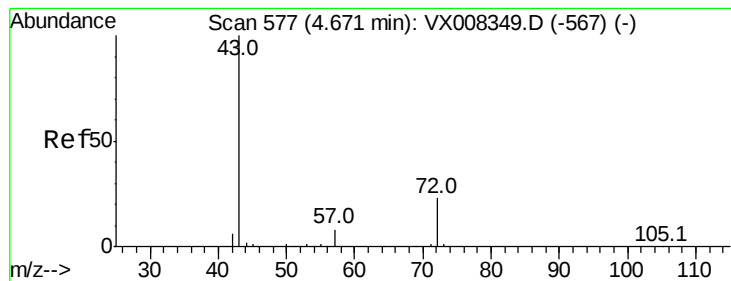
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.449 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

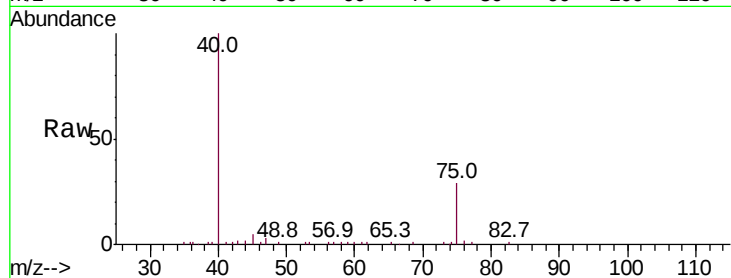
FB032119

Tot Ion: 43 Resp: 1218

Ion Ratio Lower Upper

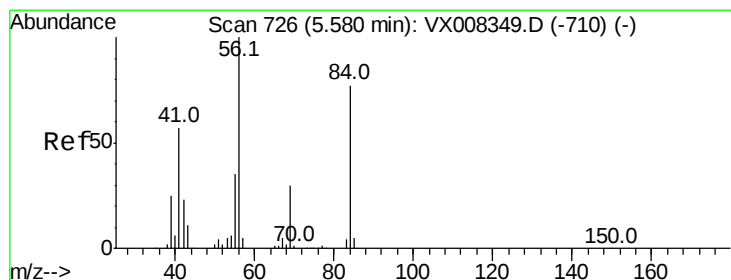
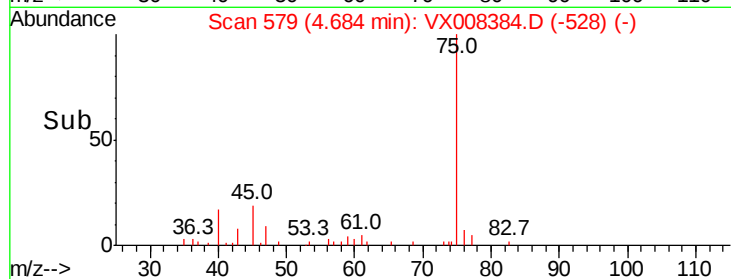
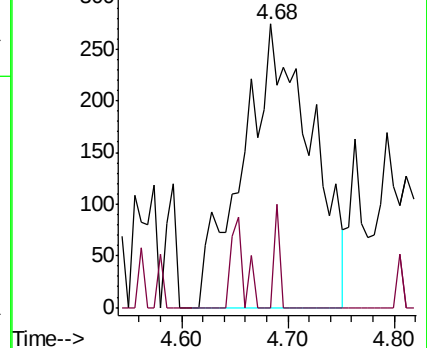
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

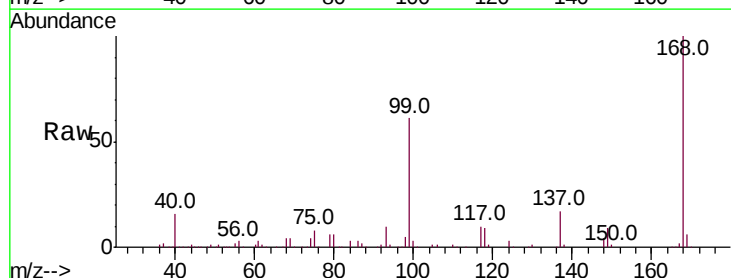
Tgt Ion: 56 Resp: 5736

Ion Ratio Lower Upper

56 100

69 149.0 24.0 36.0#

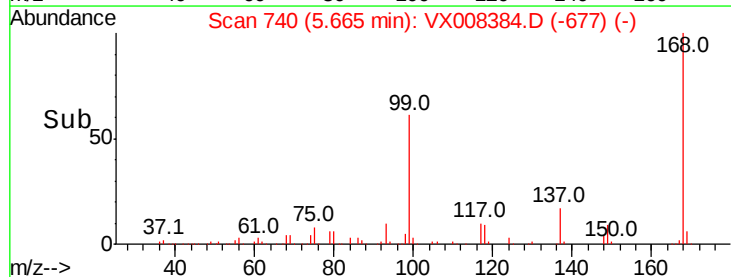
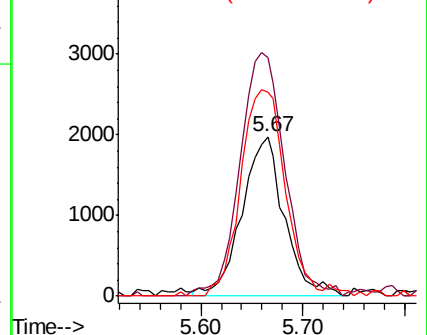
84 127.8 65.3 97.9#

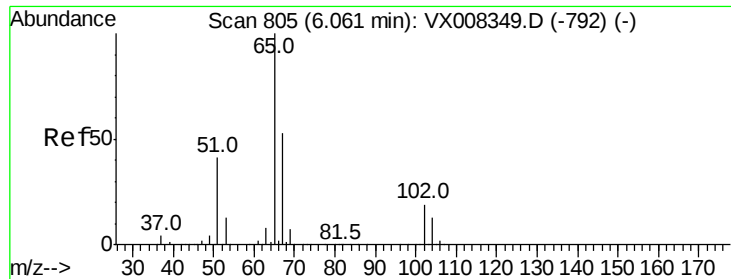


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.842 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

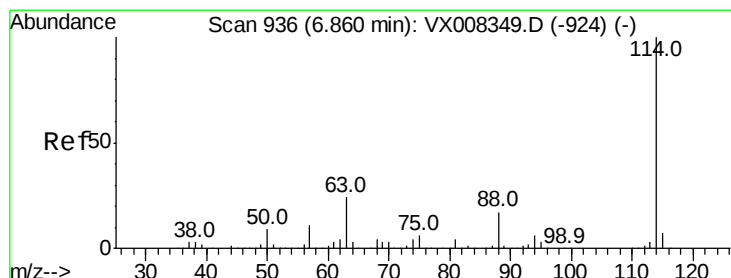
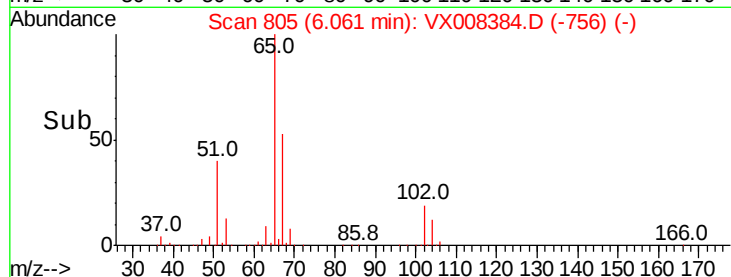
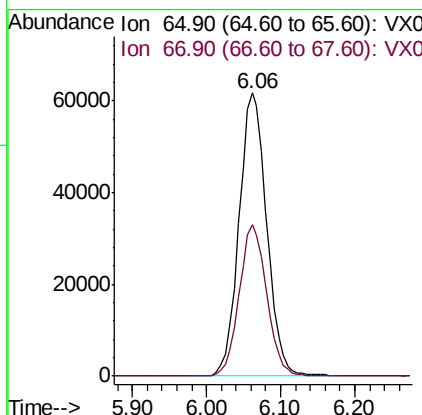
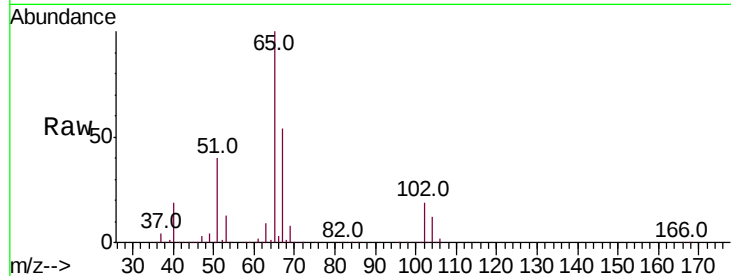
Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
FB032119

Tot Ion: 65 Resp: 161136

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

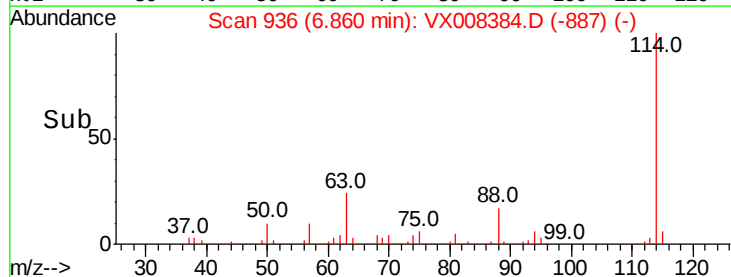
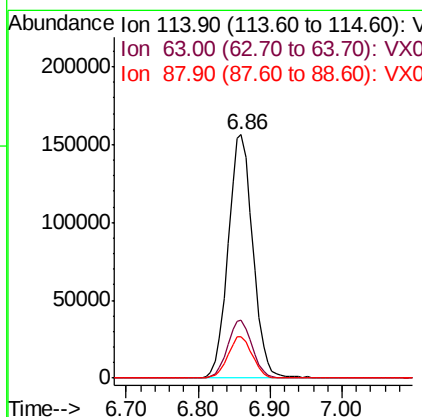
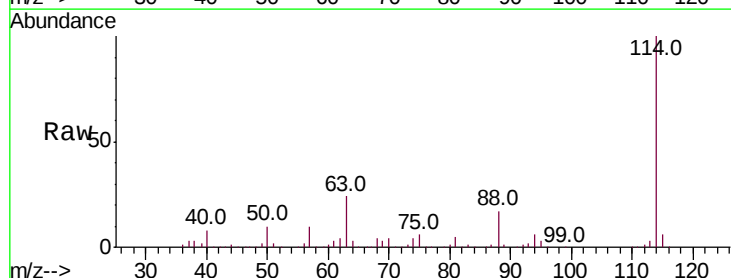
Delta R.T. 0.00 min

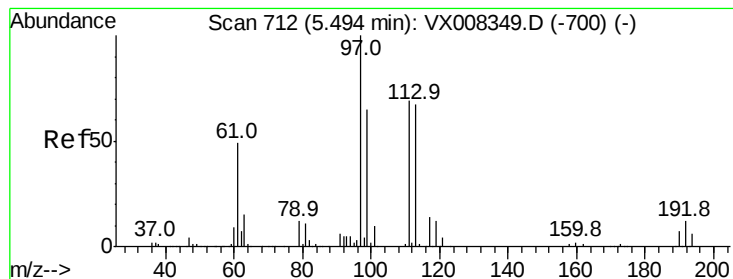
Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Tgt Ion: 114 Resp: 373055

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	39.8
88	17.2	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.395 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

FB032119

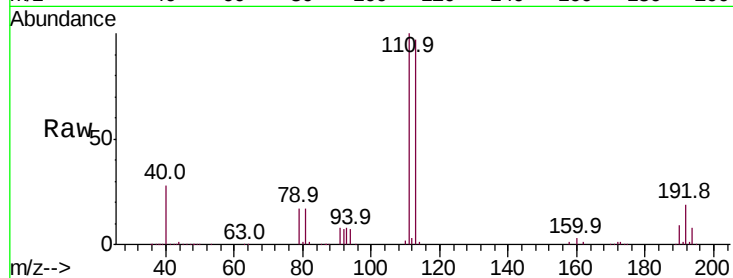
Tot Ion:113 Resp: 116972

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

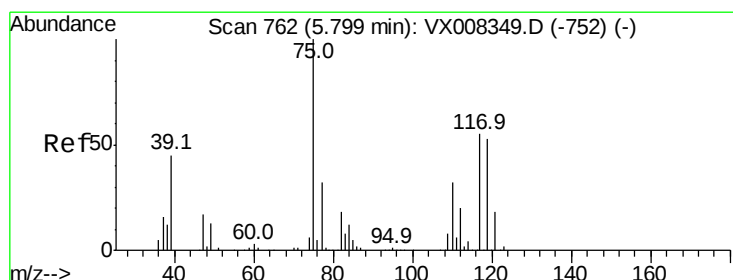
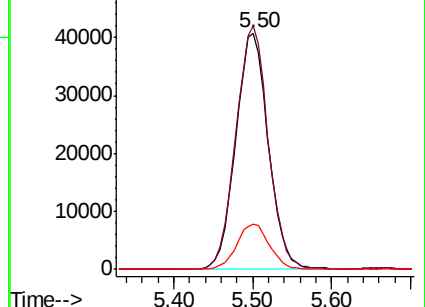
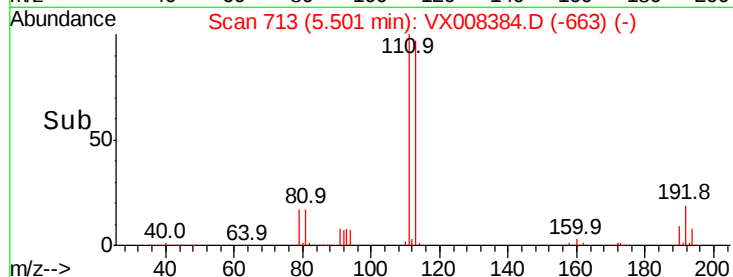
192 19.2 19.4 29.0#



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: 5.040 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

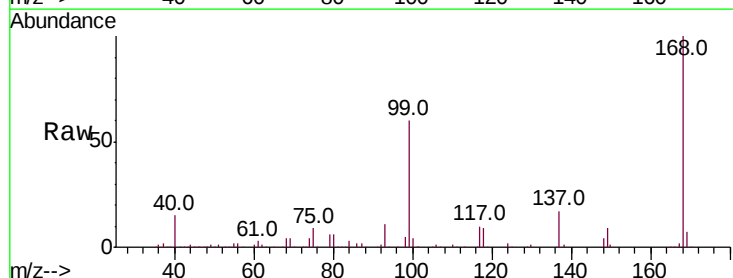
Tgt Ion: 75 Resp: 19212

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

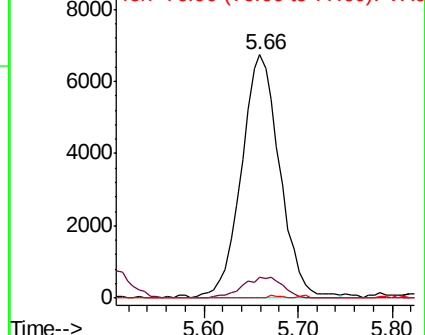
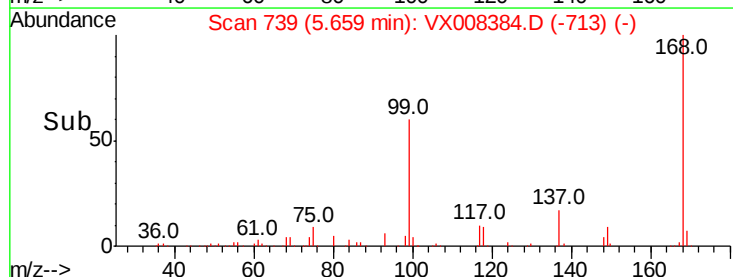
77 0.3 25.0 37.4#

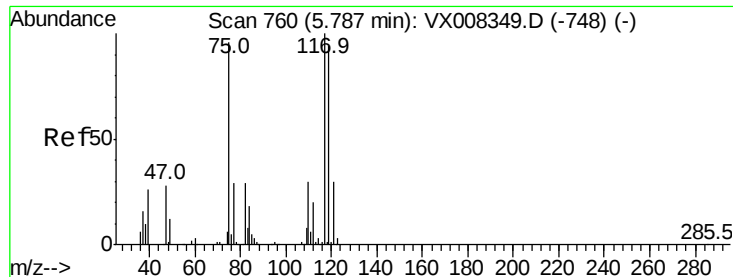


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.728 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampled :

FB032119

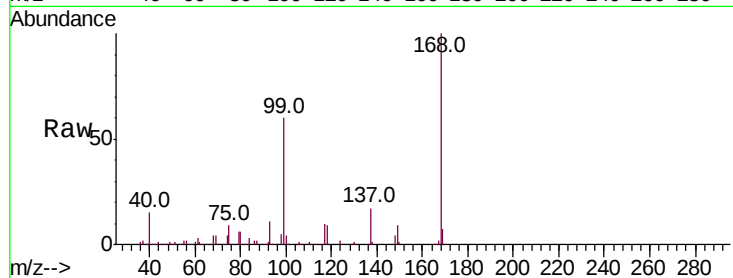
Tot Ion:117 Resp: 21987

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.2#

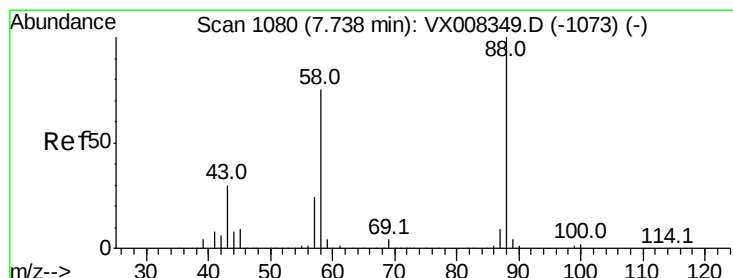
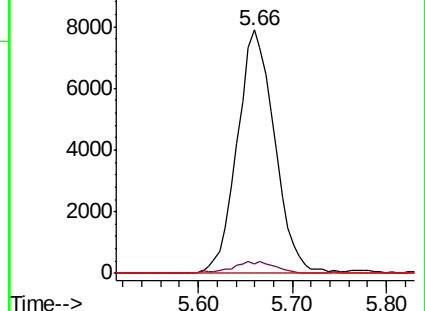
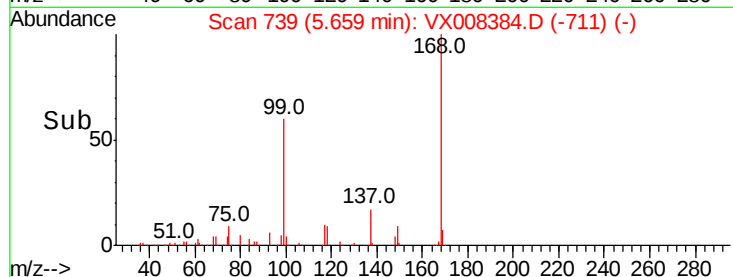
121 0.0 24.6 36.8#



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: 0.245 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

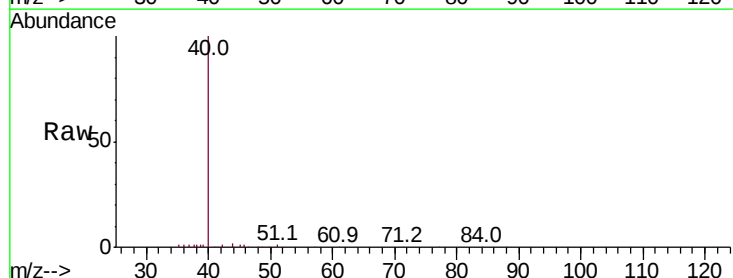
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

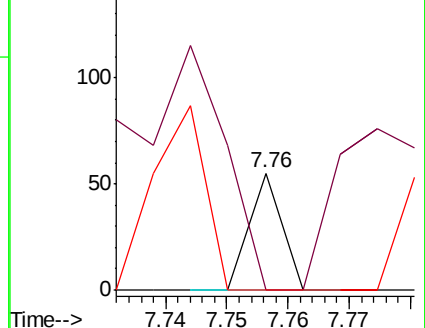
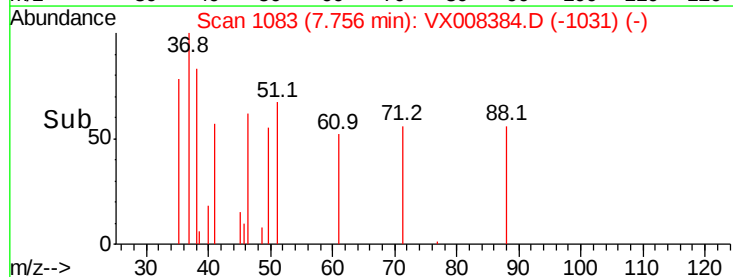
58 260.0 57.8 86.6#

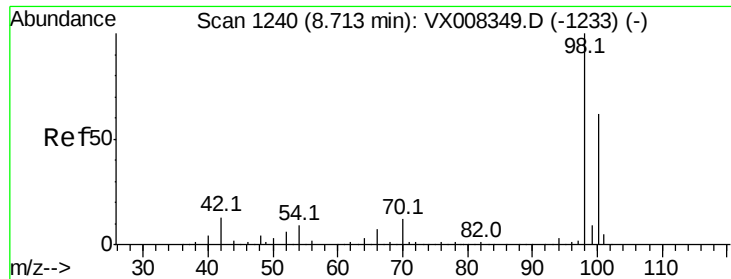


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.692 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

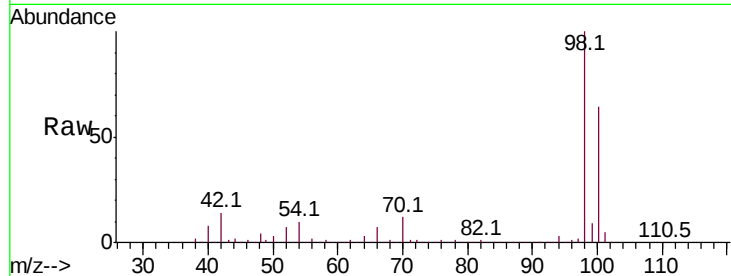
FB032119

Tot Ion: 98 Resp: 465488

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

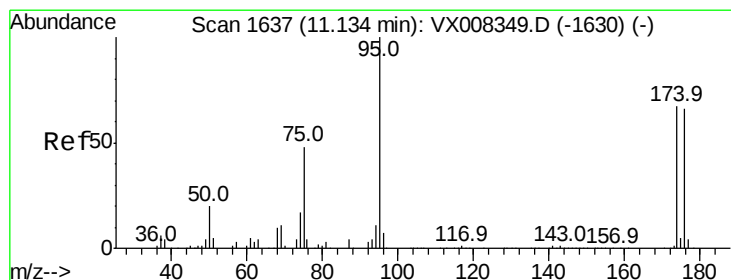
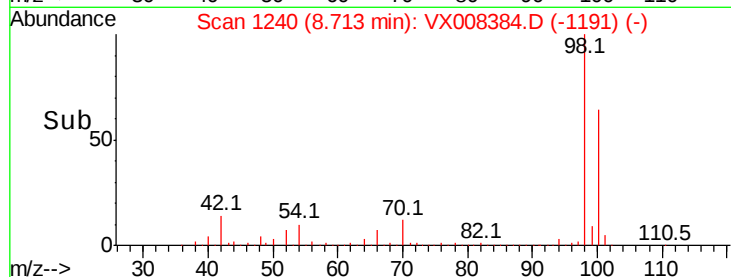
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.353 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

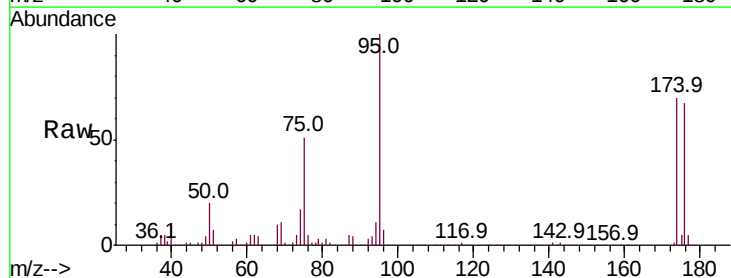
Tgt Ion: 95 Resp: 152171

Ion Ratio Lower Upper

95 100

174 73.6 0.0 182.8

176 70.8 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

11.13

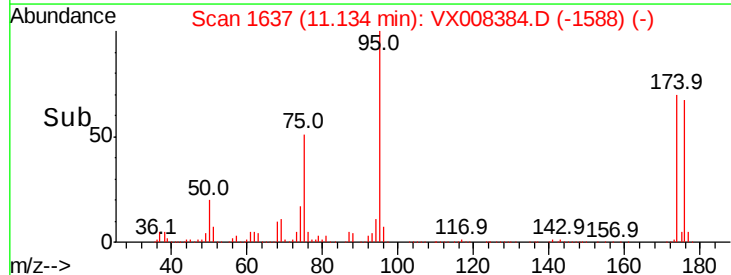
150000

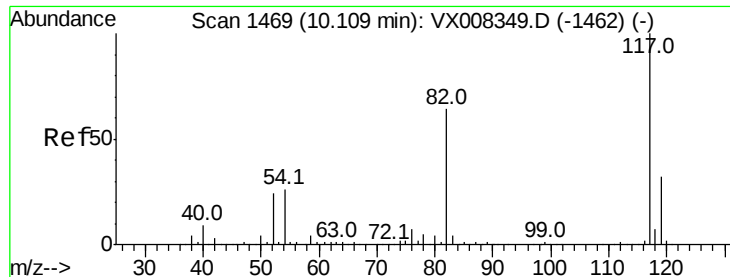
100000

50000

0

Time-->

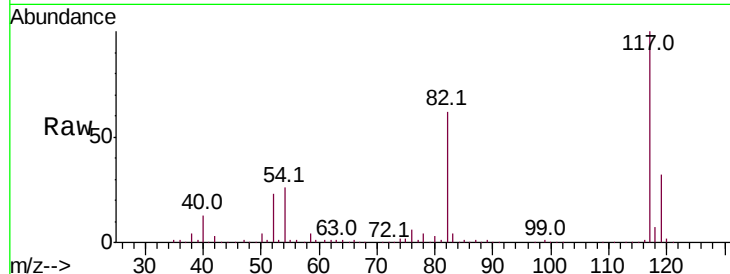




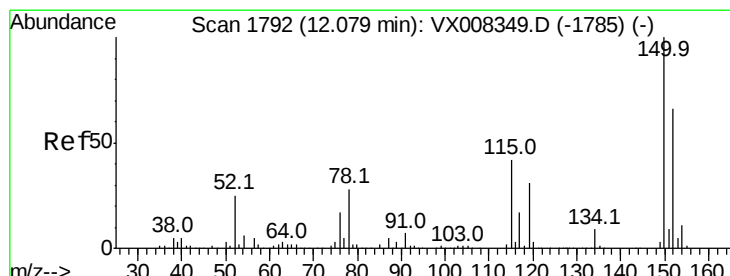
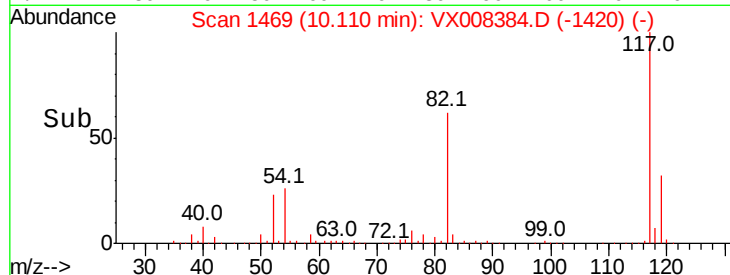
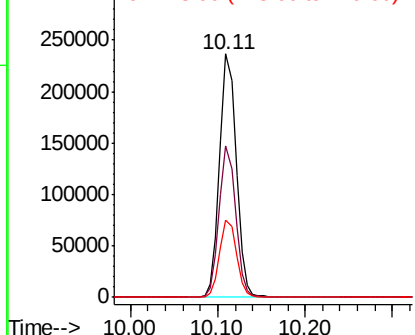
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008384.D
Acq: 24 Mar 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
FB032119

Tot Ion:117 Resp: 313274
Ion Ratio Lower Upper
117 100
82 62.2 44.3 66.5
119 31.6 25.3 37.9

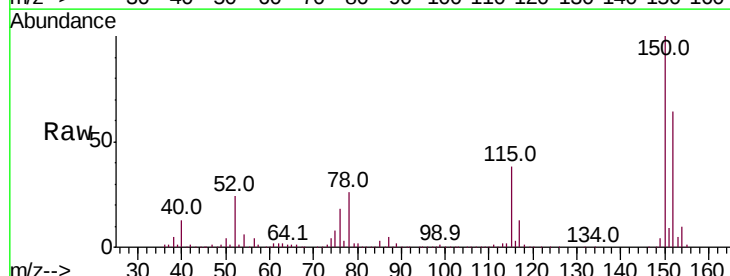


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

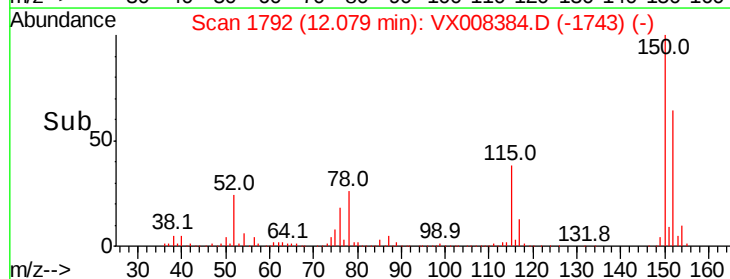
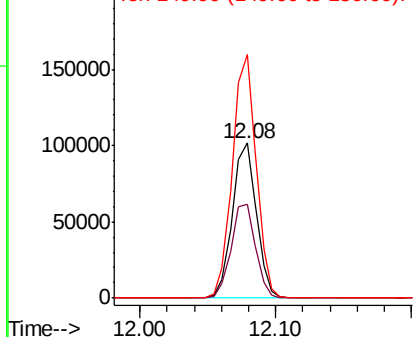


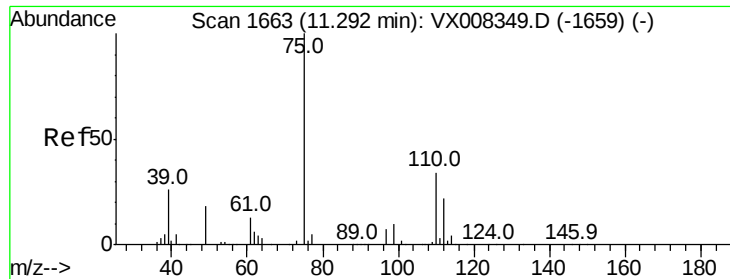
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008384.D
Acq: 24 Mar 2019 12:12

Tgt Ion:152 Resp: 124950
Ion Ratio Lower Upper
152 100
115 61.8 38.6 115.7
150 155.7 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: 24.081 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

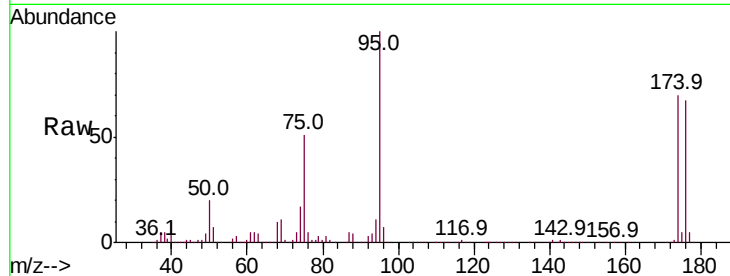
FB032119

Tot Ion: 75 Resp: 78757

Ion Ratio Lower Upper

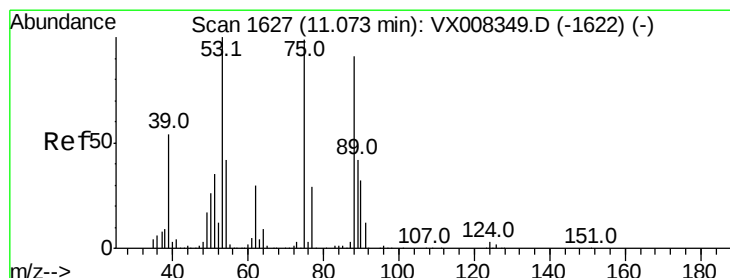
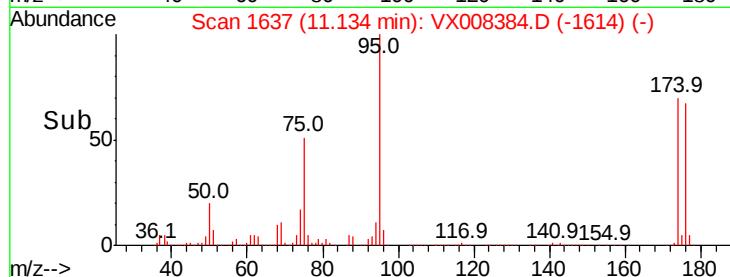
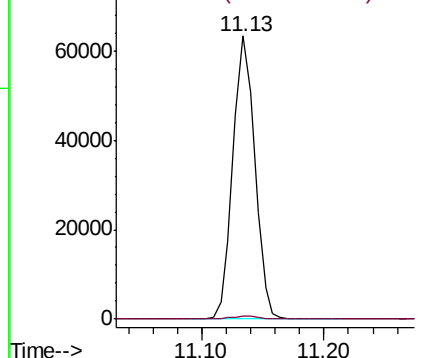
75 100

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: 68.624 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008384.D

Acq: 24 Mar 2019 12:12

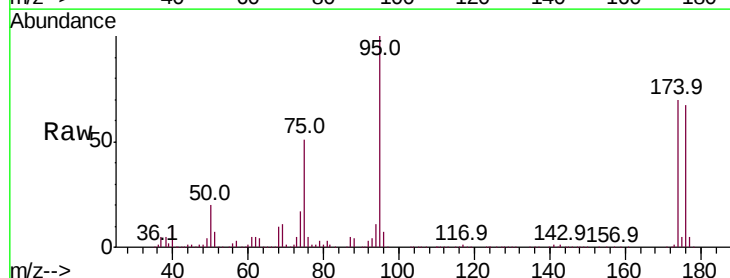
Tgt Ion: 75 Resp: 78757

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

