

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009277.D
 Acq On : 02 May 2019 16:51
 Operator : JC/SP
 Sample : K2659-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB02-190429

Quant Time: May 03 02:42:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308922	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113300	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	125623	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	93453	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	381583	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	127989	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

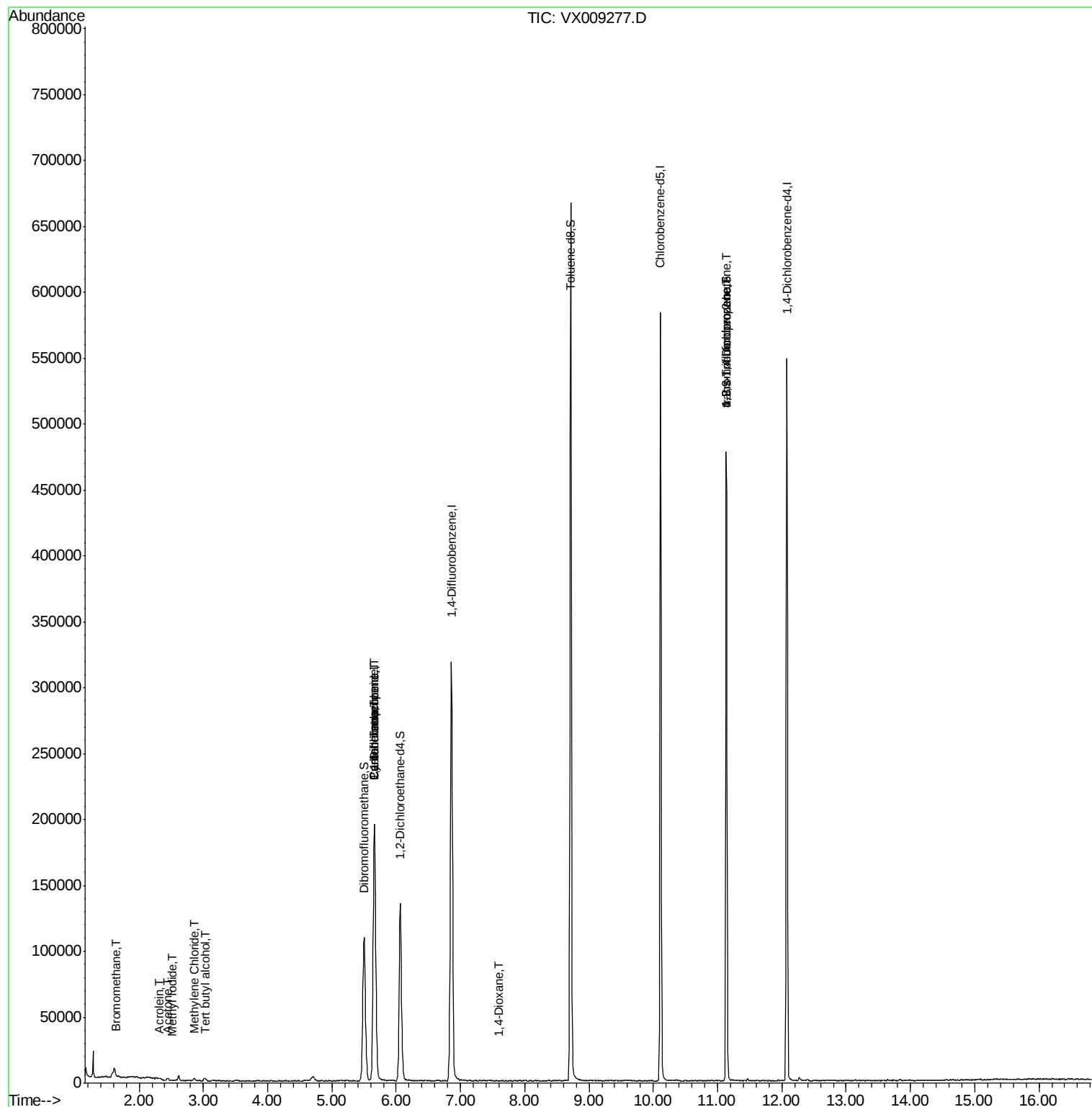
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	390	0.279	ug/l	99
10) Methyl Iodide	2.51	142	335	4.741	ug/l #	79
11) Tert butyl alcohol	3.02	59	1422	2.367	ug/l #	94
13) Acrolein	2.32	56	255	0.469	ug/l	94
16) Acetone	2.45	43	2368	1.699	ug/l	91
20) Methylene Chloride	2.85	84	740	0.328	ug/l #	88
28) Bromochloromethane	5.00	49	23	Below Cal	#	20
31) Cyclohexane	5.66	56	4465	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14824	5.164	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17981	6.894	ug/l #	16
49) 1,4-Dioxane	7.60	88	25	0.388	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64628	24.591	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64628	62.919	ug/l #	10

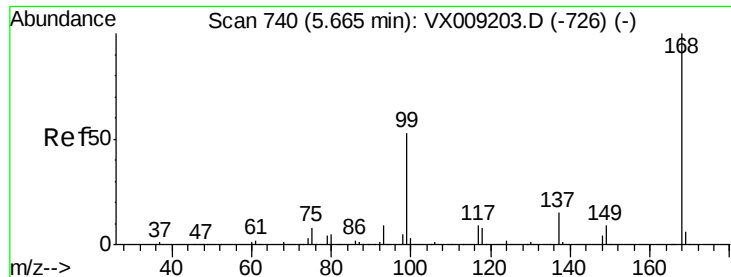
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

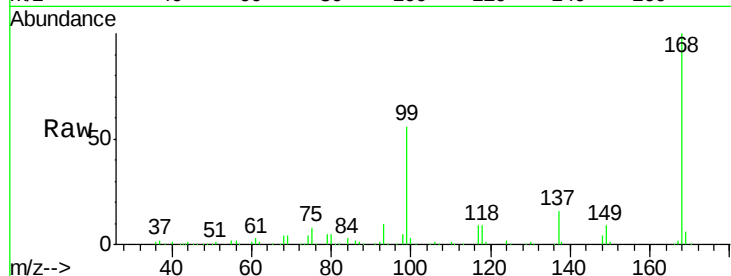
Z5-TB02-190429

Tot Ion:168 Resp: 190107

Ion Ratio Lower Upper

168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

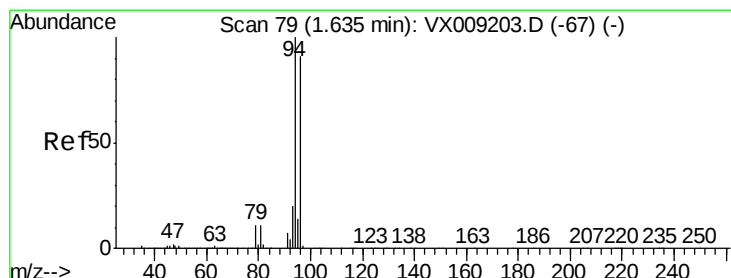
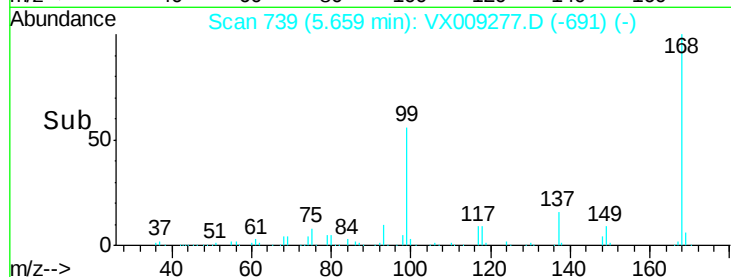
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009277.D

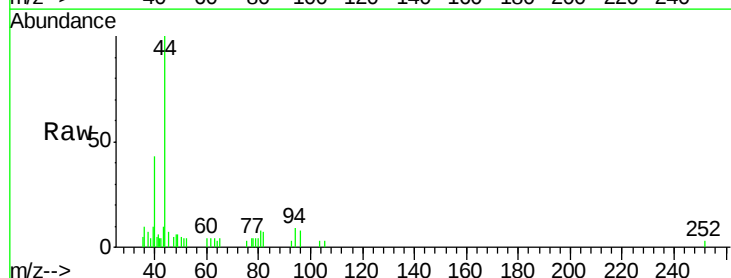
Acq: 02 May 2019 16:51

Tgt Ion: 94 Resp: 390

Ion Ratio Lower Upper

94 100

96 92.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

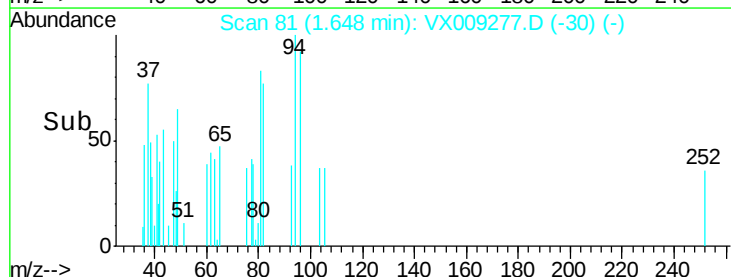
150

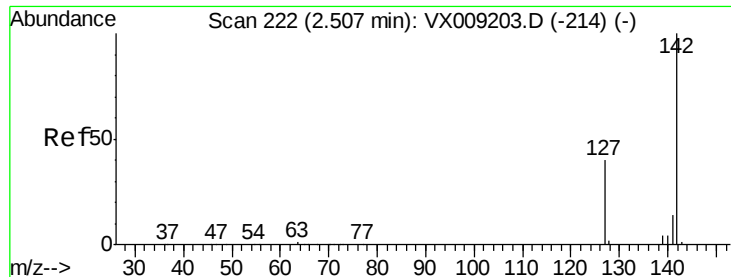
100

50

0

Time-->

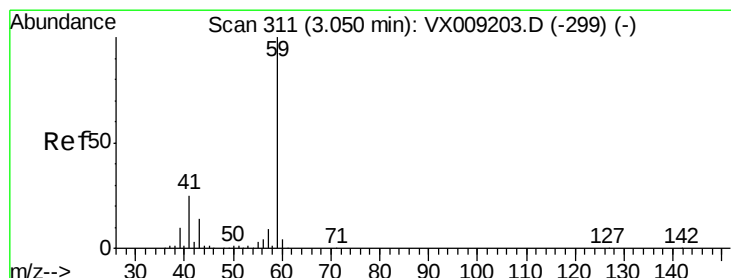
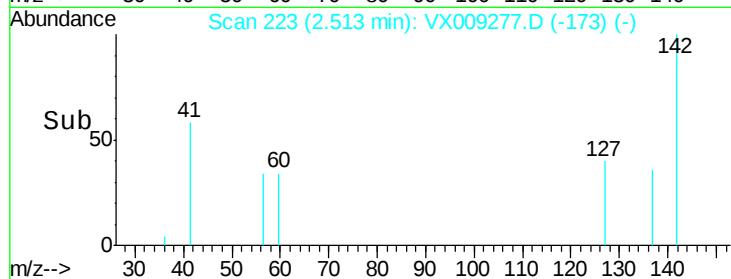
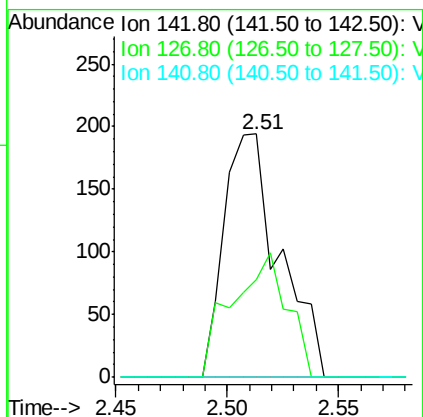
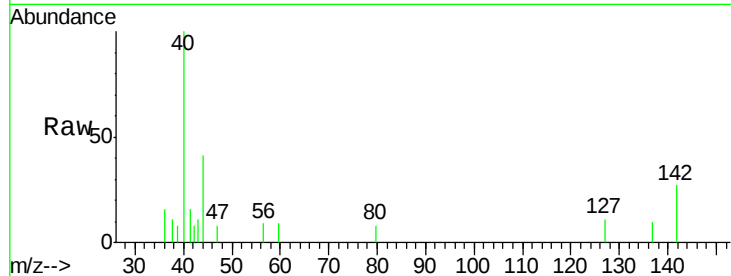




#10
Methvl Iodide
Concen: 4.741 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009277.D
Acq: 02 May 2019 16:51

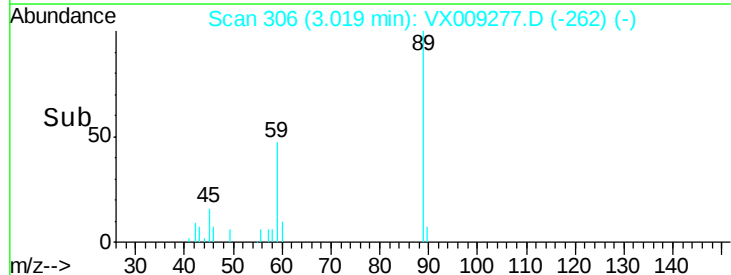
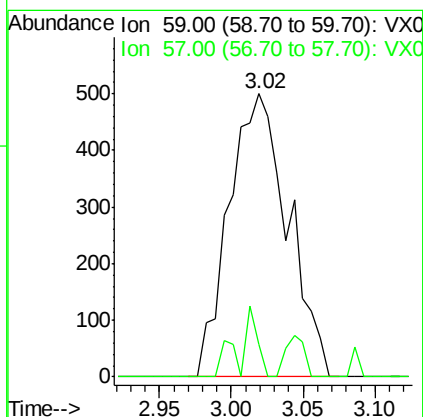
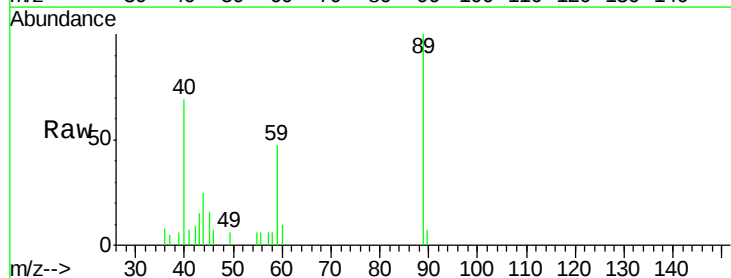
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB02-190429

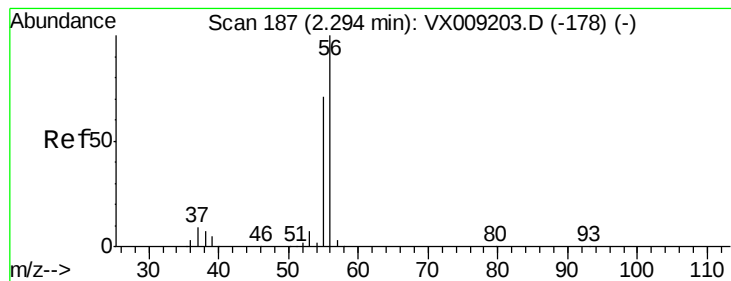
Tot Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
127 50.7 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.367 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009277.D
Acq: 02 May 2019 16:51

Tgt Ion: 59 Resp: 1422
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.2#





#13

Acrolein

Concen: 0.469 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

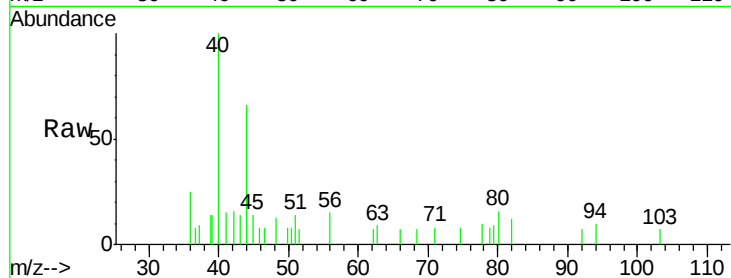
Z5-TB02-190429

Tot Ion: 56 Resp: 255

Ion Ratio Lower Upper

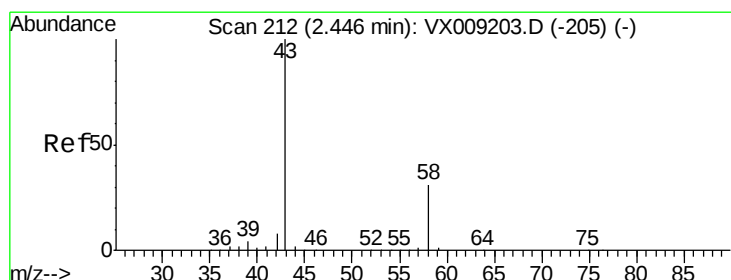
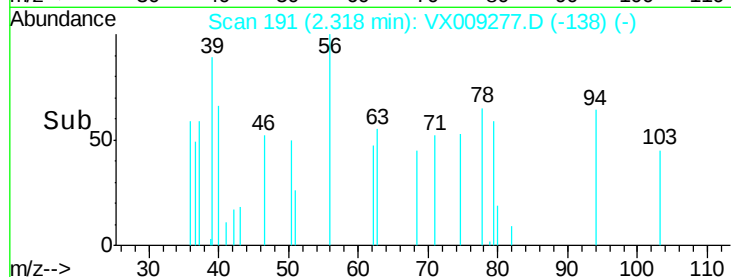
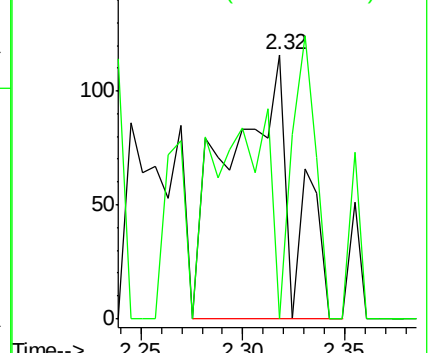
56 100

55 65.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.699 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009277.D

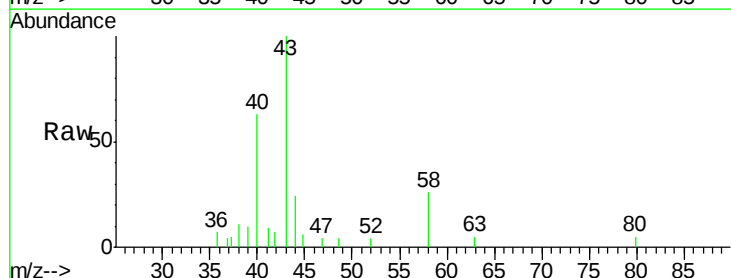
Acq: 02 May 2019 16:51

Tgt Ion: 43 Resp: 2368

Ion Ratio Lower Upper

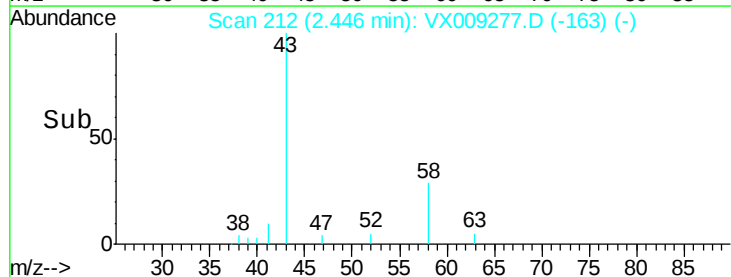
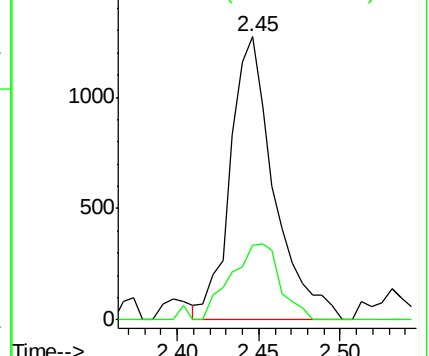
43 100

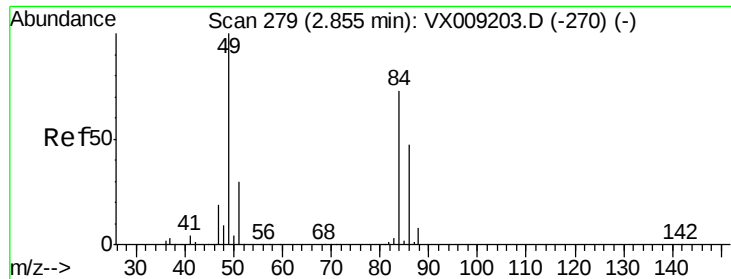
58 26.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methvlene Chloride

Concen: 0.328 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB02-190429

Tot Ion: 84 Resp: 740

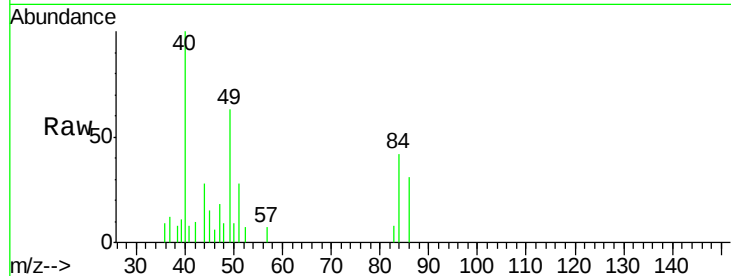
Ion Ratio Lower Upper

84 100

49 132.4 109.9 164.9

51 65.6 32.7 49.1#

86 74.6 52.0 78.0

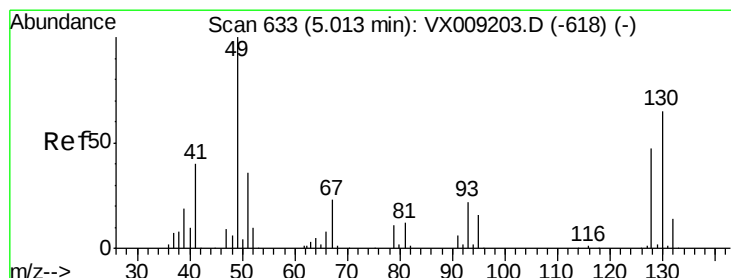
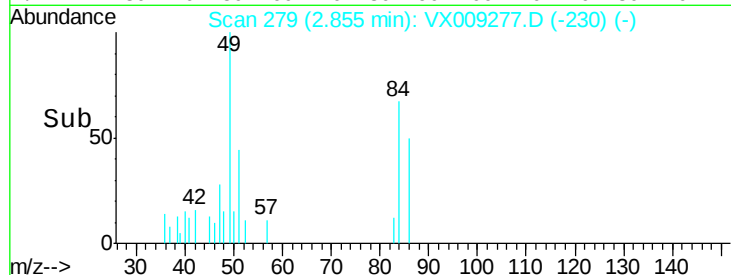
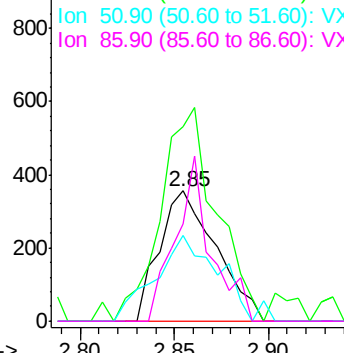


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

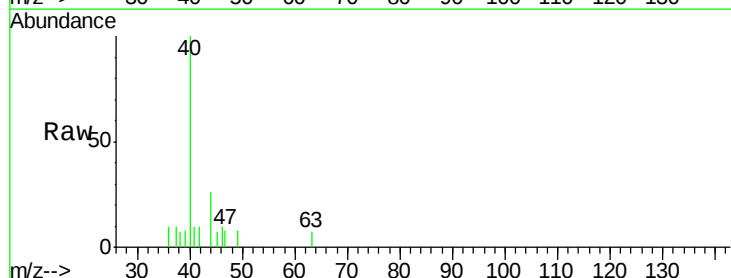
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

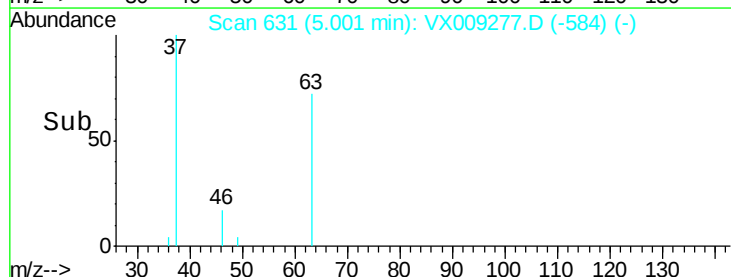
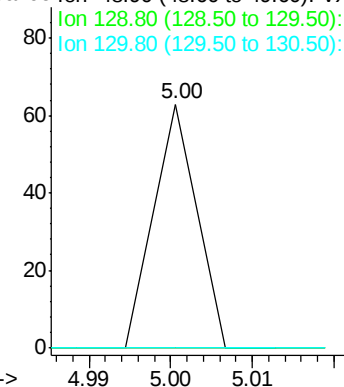
130 0.0 51.2 76.8#

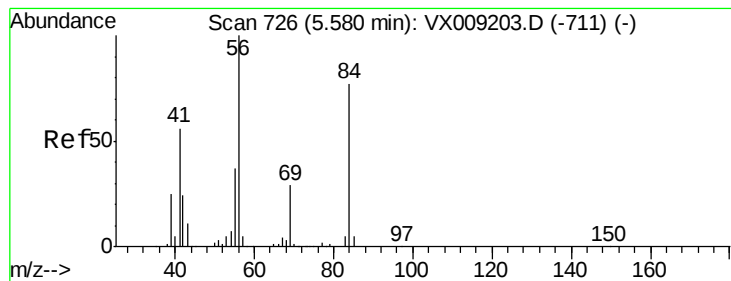


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB02-190429

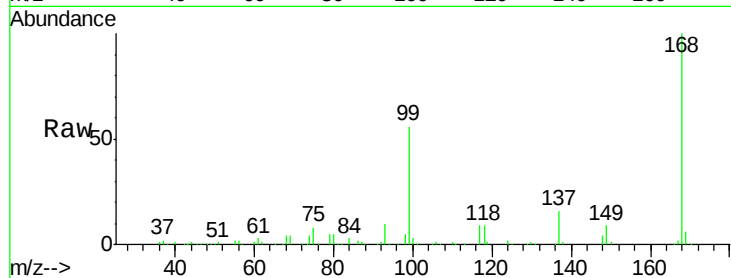
Tot Ion: 56 Resp: 4465

Ion Ratio Lower Upper

56 100

69 180.0 23.4 35.0#

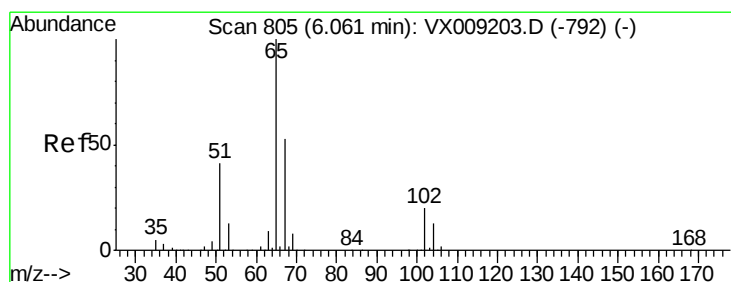
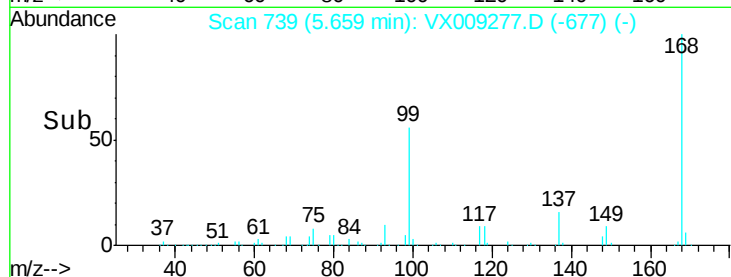
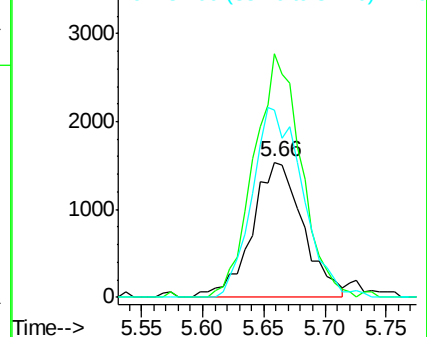
84 138.7 61.9 92.9#



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: 48.406 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009277.D

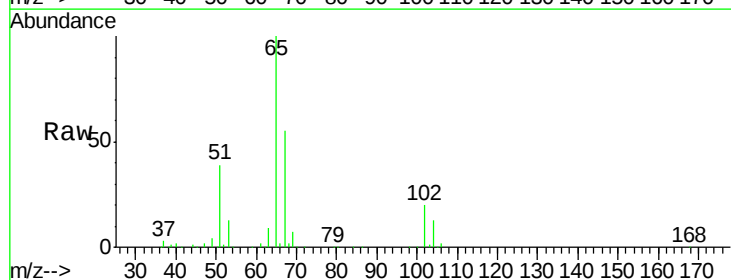
Acq: 02 May 2019 16:51

Tgt Ion: 65 Resp: 125623

Ion Ratio Lower Upper

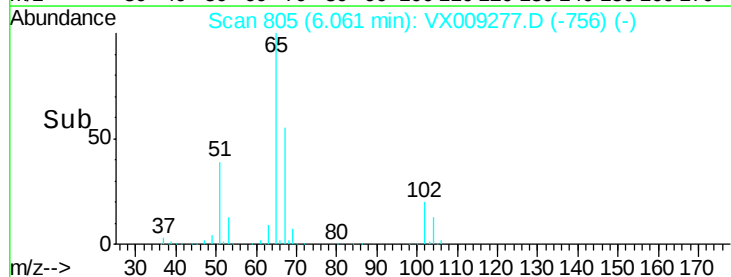
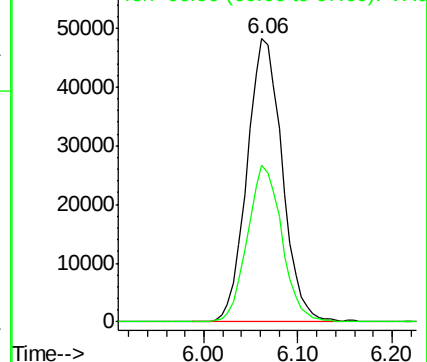
65 100

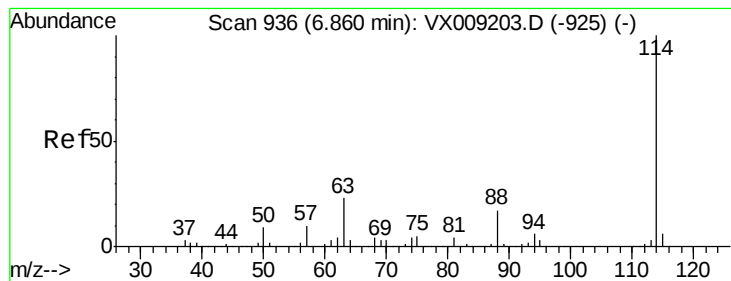
67 54.5 0.0 106.6



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: VX009277.D

Acq: 02 May 2019 16:51

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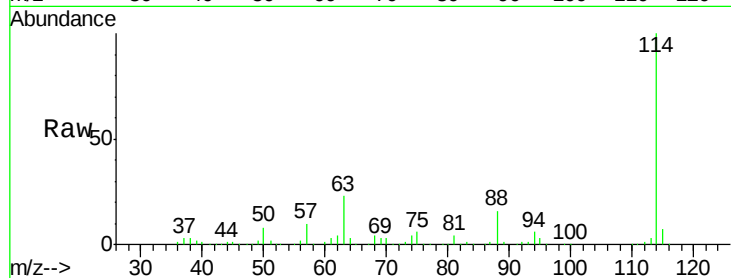
Tot Ion:114 Resp: 308922

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

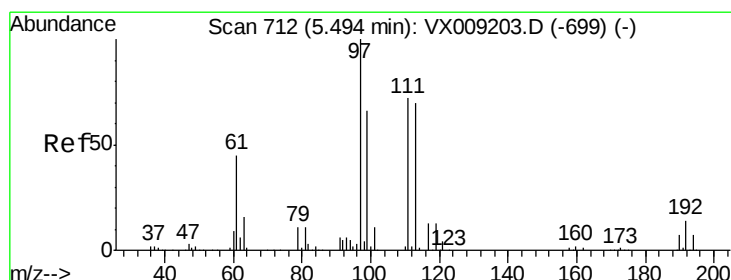
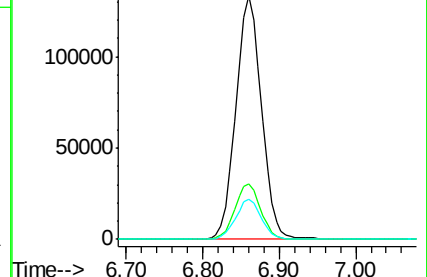
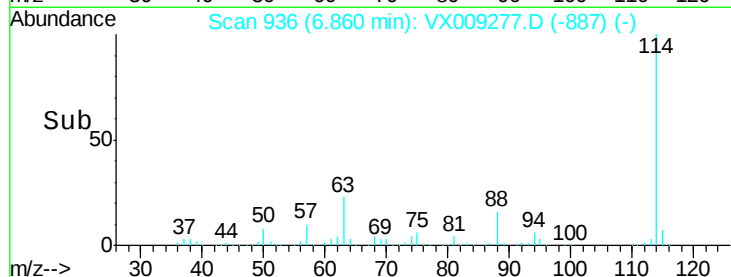
88 16.4 0.0 33.2



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: 48.122 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

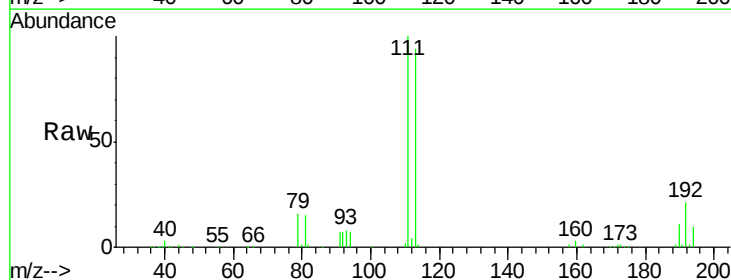
Tgt Ion:113 Resp: 93453

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

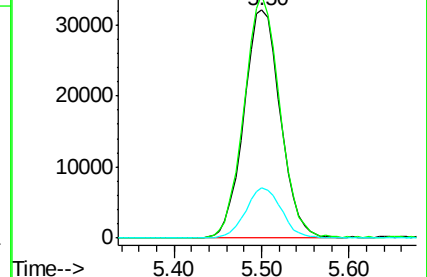
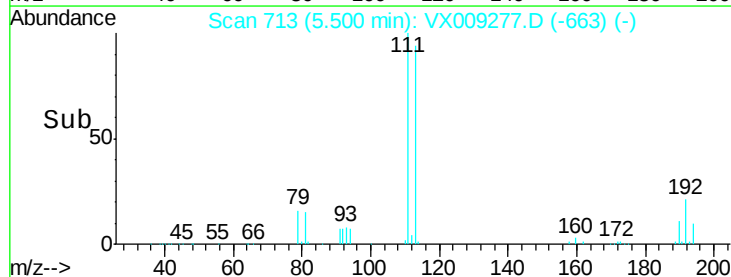
192 21.7 17.0 25.6

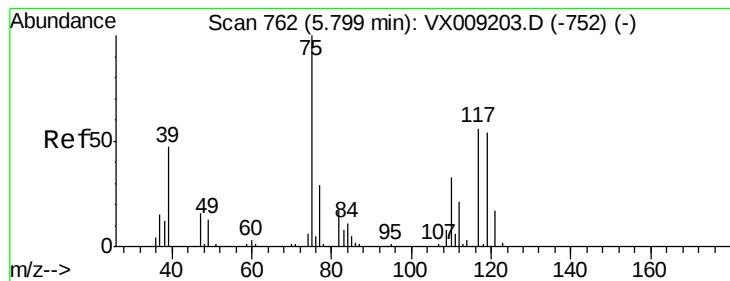


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.164 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

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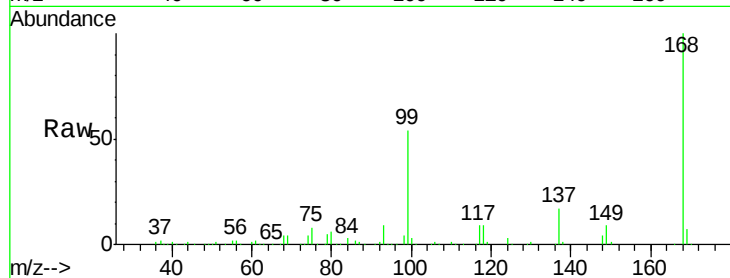
Tot Ion: 75 Resp: 14824

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

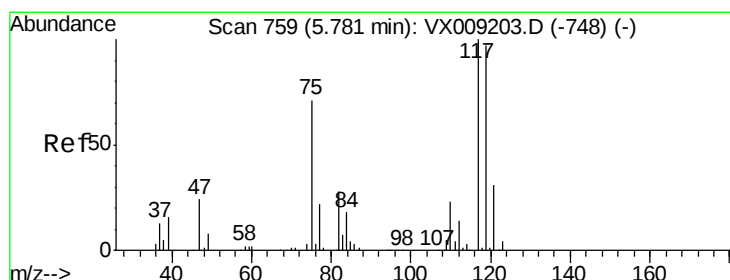
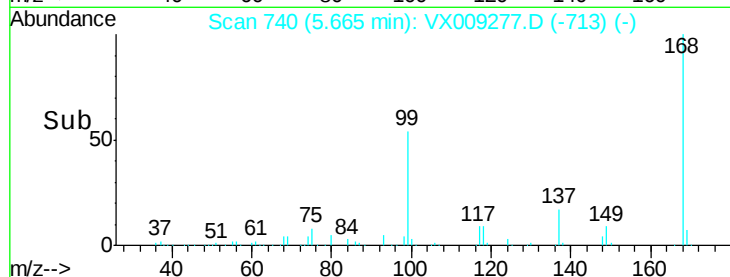
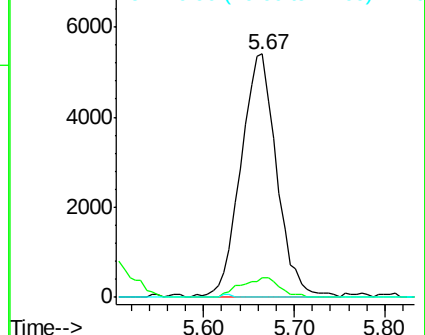
77 0.0 24.8 37.2#



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: 6.894 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

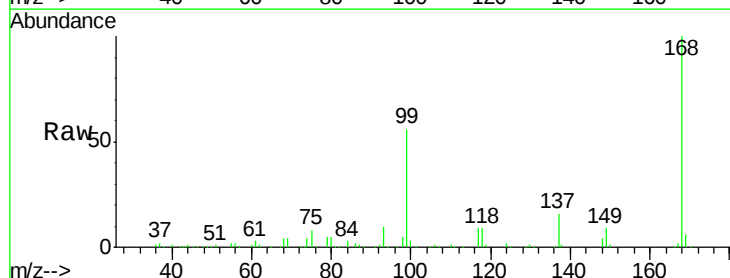
Tgt Ion:117 Resp: 17981

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

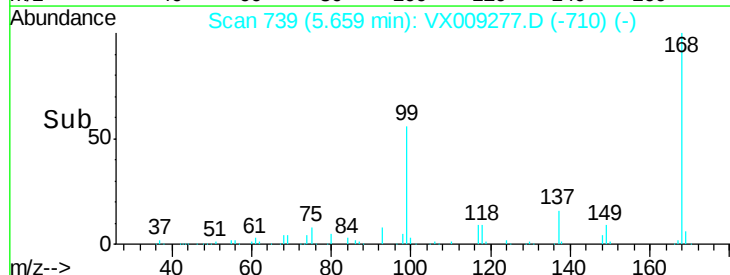
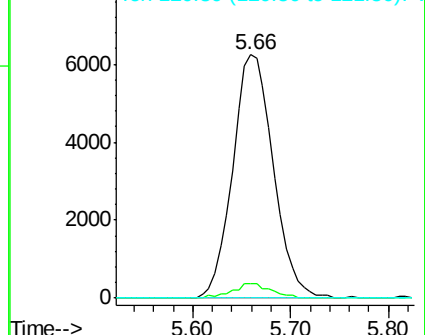
121 0.0 24.7 37.1#

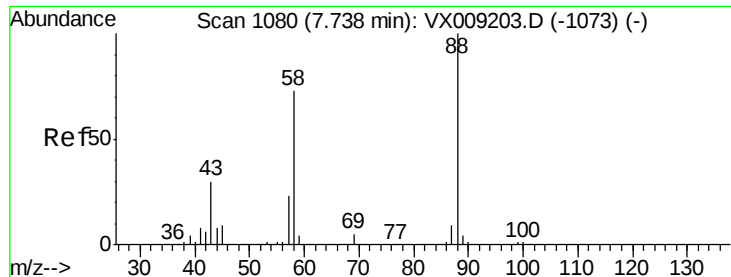


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

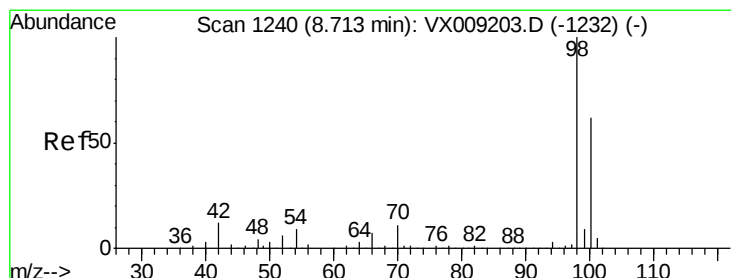
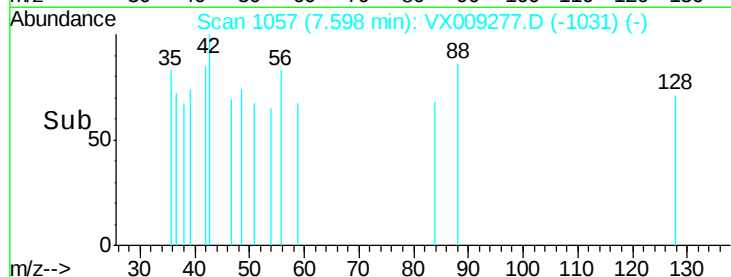
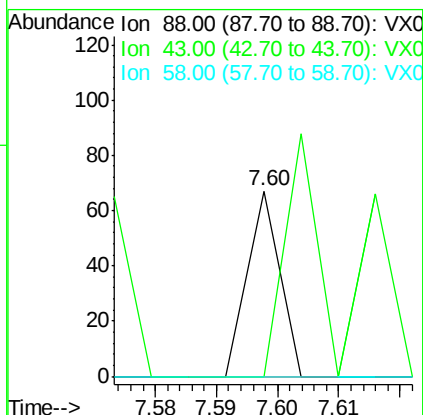
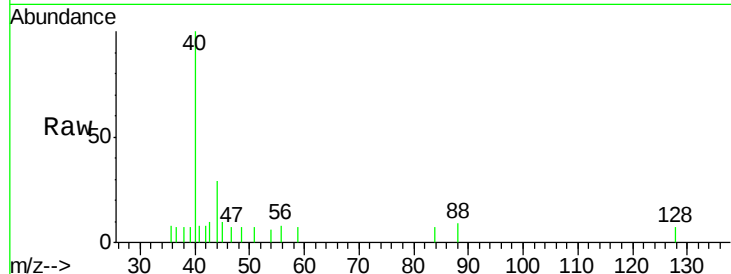




#49
1,4-Dioxane
Concen: 0.388 ug/l
RT: 7.60 min Scan# 1057
Delta R.T. -0.14 min
Lab File: VX009277.D
Acq: 02 May 2019 16:51

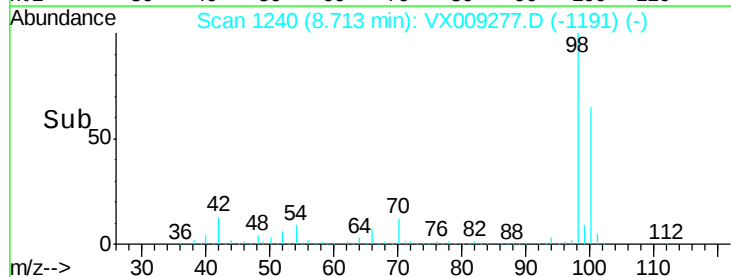
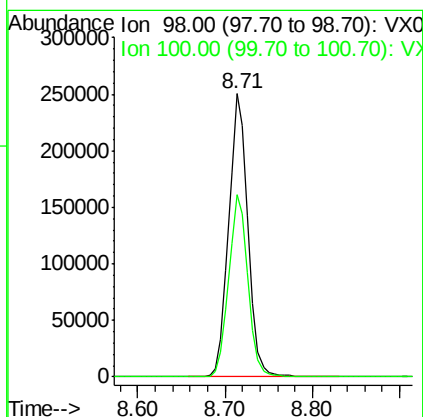
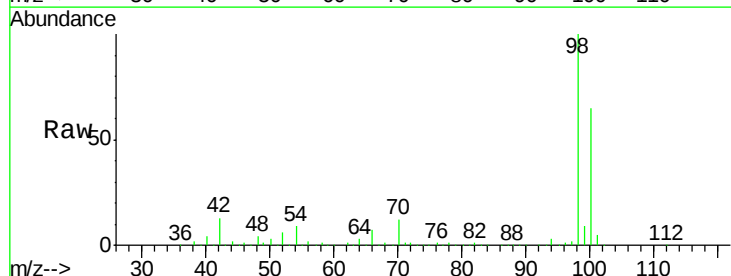
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB02-190429

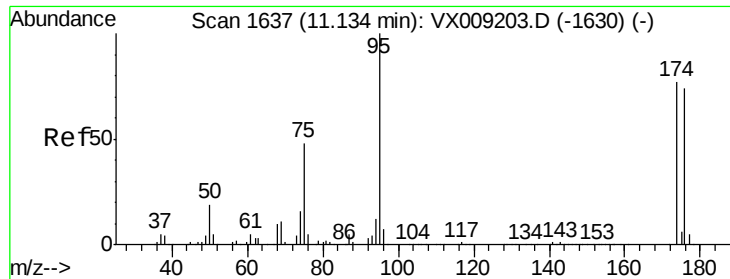
Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 128.0 28.6 42.8#
58 0.0 61.7 92.5#



#50
Toluene-d8
Concen: 48.669 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009277.D
Acq: 02 May 2019 16:51

Tgt Ion: 98 Resp: 381583
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

Z5-TB02-190429

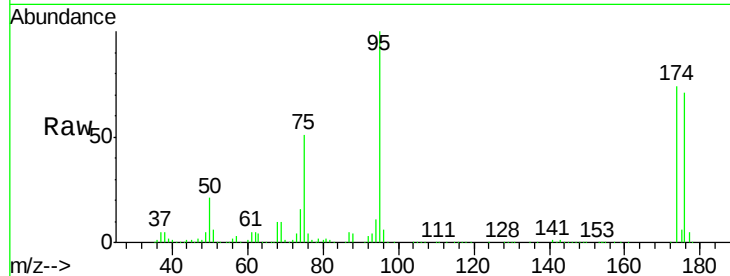
Tot Ion: 95 Resp: 127989

Ion Ratio Lower Upper

95 100

174 80.0 0.0 161.6

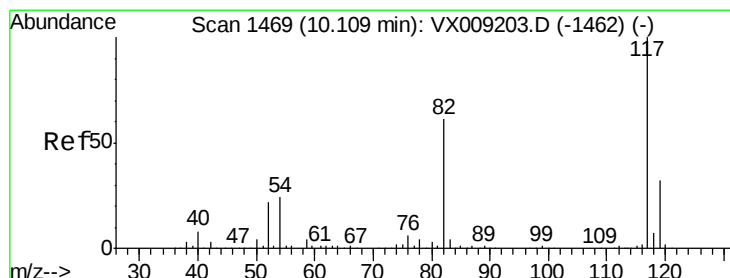
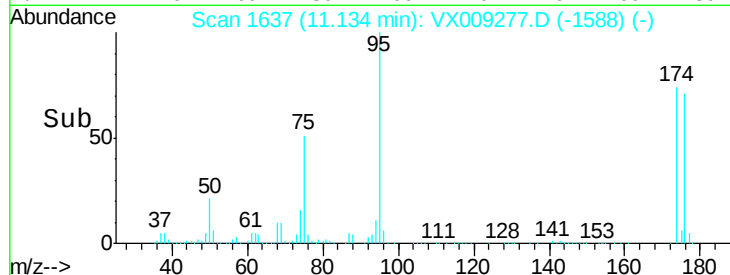
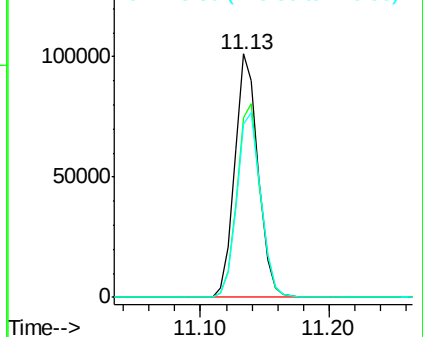
176 77.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009277.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009277.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009277.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

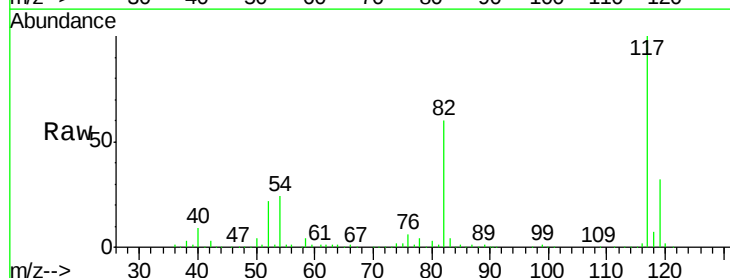
Tgt Ion: 117 Resp: 267183

Ion Ratio Lower Upper

117 100

82 59.6 48.8 73.2

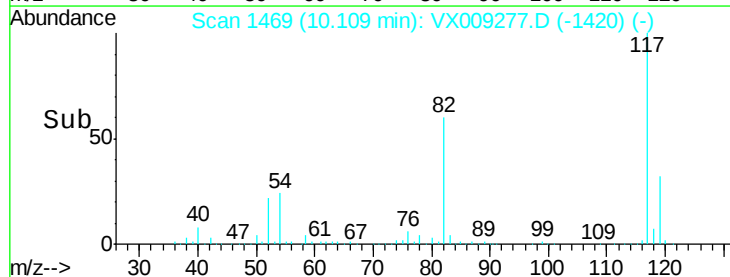
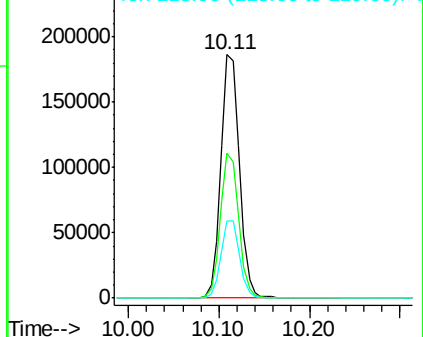
119 31.8 25.8 38.6

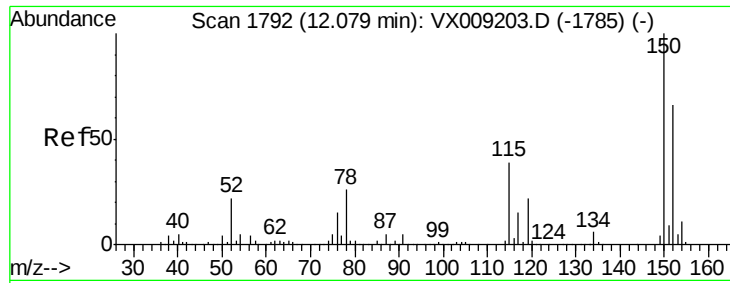


Abundance Ion 116.90 (116.60 to 117.60): VX009277.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009277.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009277.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: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB02-190429

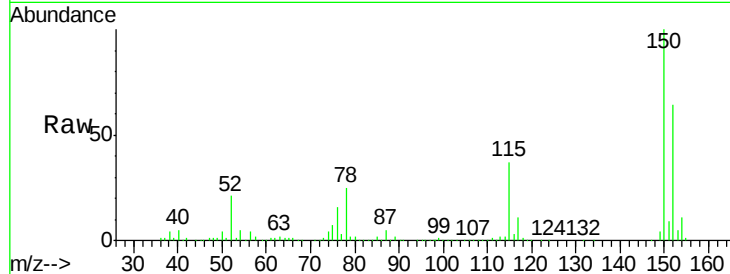
Tot Ion:152 Resp: 113300

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

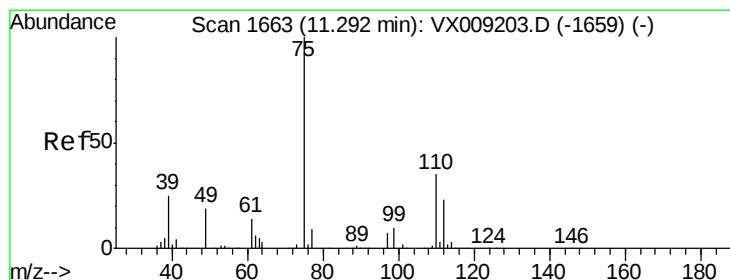
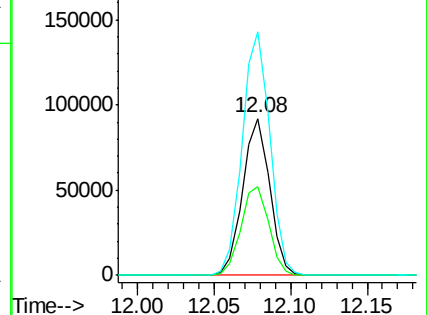
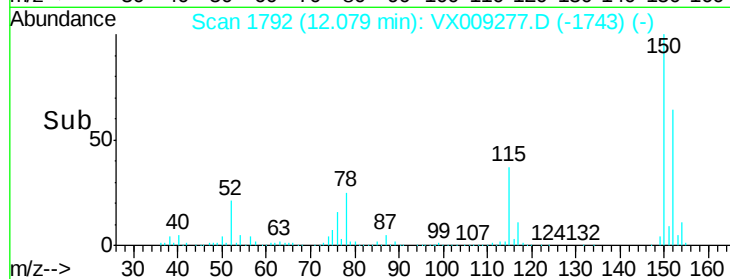
150 158.0 0.0 346.4



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: 24.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009277.D

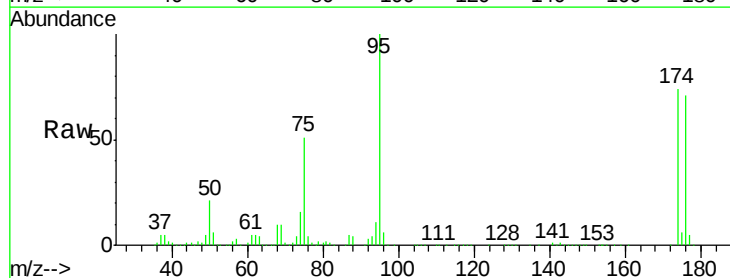
Acq: 02 May 2019 16:51

Tgt Ion: 75 Resp: 64628

Ion Ratio Lower Upper

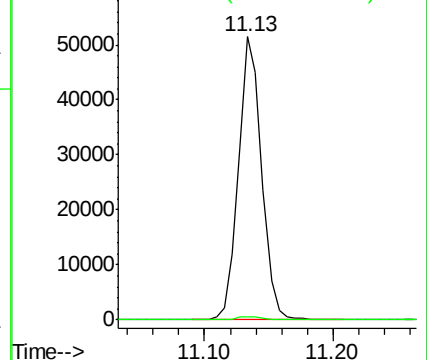
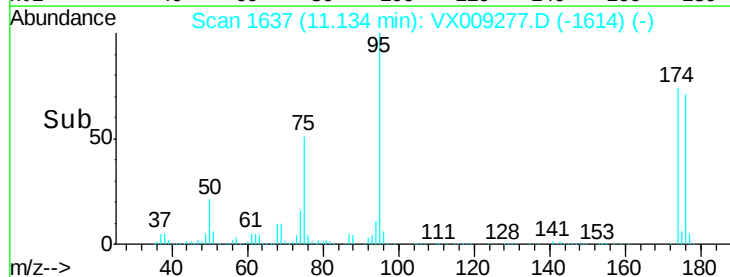
75 100

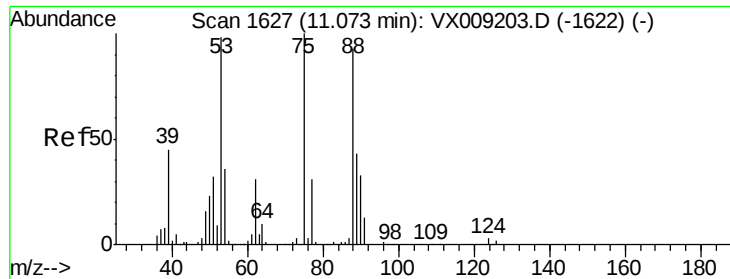
77 1.4 22.1 66.1#



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: 62.919 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009277.D

Acq: 02 May 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB02-190429

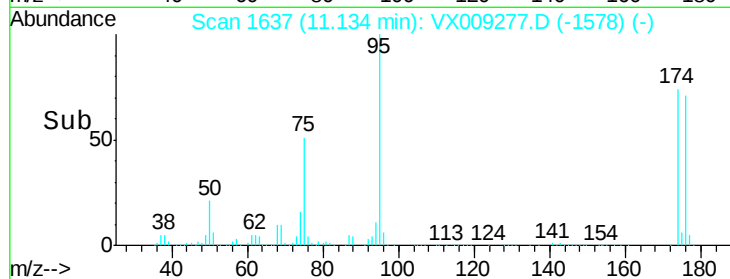
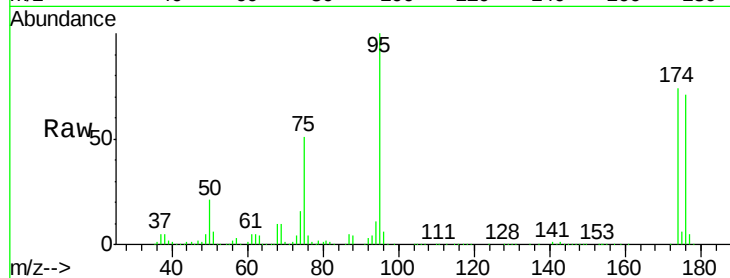
Tot Ion: 75 Resp: 64628

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

