

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009453.D
 Acq On : 10 May 2019 01:53
 Operator : JC/SP
 Sample : K2782-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:12:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303399	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113581	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	124810	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	5.50	113	92527	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.71	98	380746	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	124825	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

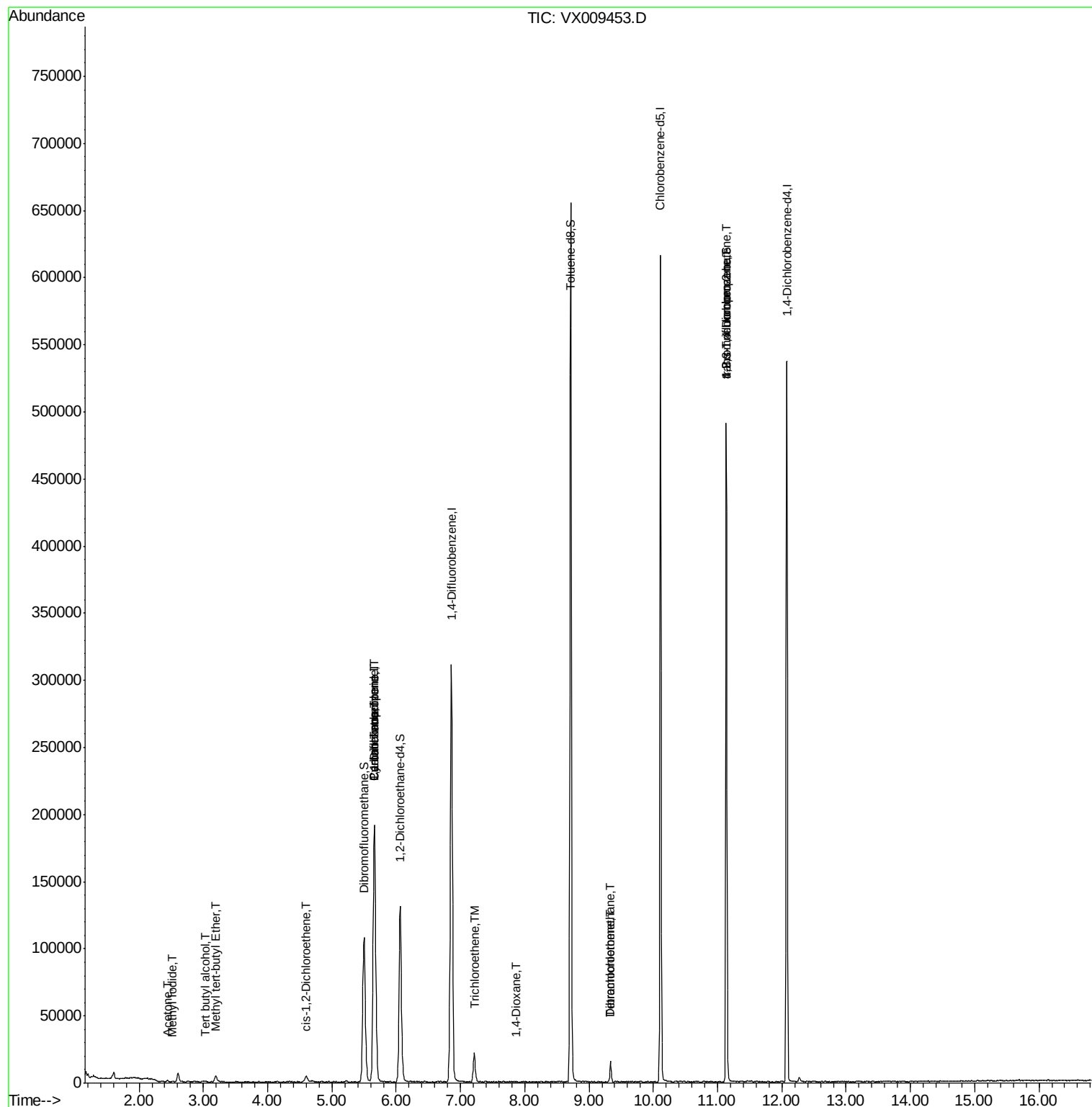
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	44	4.613	ug/l #	42
11) Tert butyl alcohol	3.03	59	512	0.860	ug/l #	73
16) Acetone	2.44	43	926	0.671	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	4627	0.674	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	2633	1.151	ug/l	92
28) Bromochloromethane	5.01	49	84	Below Cal	#	20
31) Cyclohexane	5.65	56	4152	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14525	5.152	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17659	6.893	ug/l #	15
44) Trichloroethene	7.21	130	8236	3.904	ug/l	97
49) 1,4-Dioxane	7.87	88	21	0.332	ug/l #	1
60) Dibromochloromethane	9.34	129	2610	1.235	ug/l #	11
64) Tetrachloroethene	9.34	164	2831	1.560	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	63587	24.135	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63587	61.752	ug/l #	10

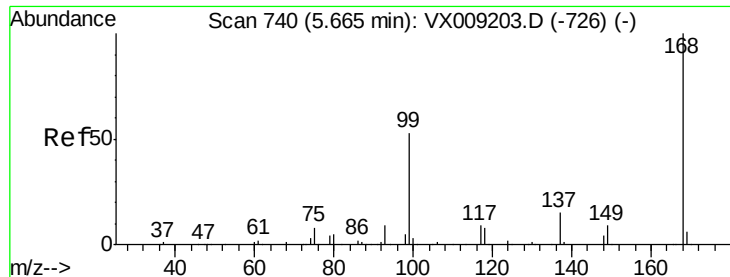
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
Data File : VX009453.D
Acq On : 10 May 2019 01:53
Operator : JC/SP
Sample : K2782-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 10 07:12:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009453.D

Acq: 10 May 2019 01:53

Instrument :

MSVOA_X

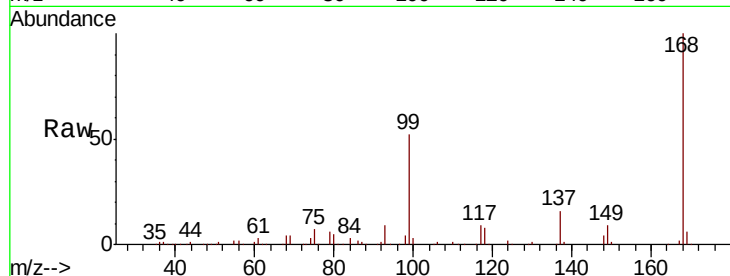
ClientSampleId :

Tot Ion:168 Resp: 188404

Ion Ratio Lower Upper

168 100

99 51.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

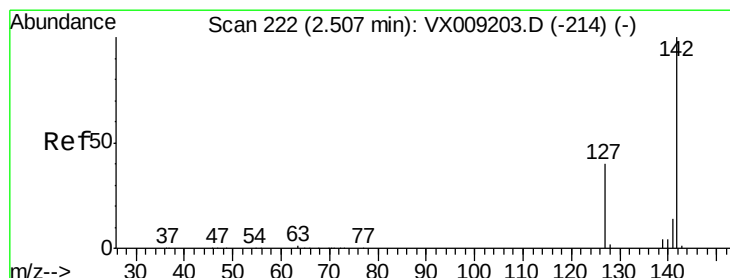
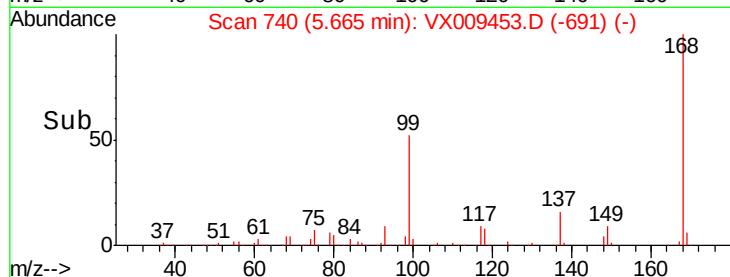
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.613 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

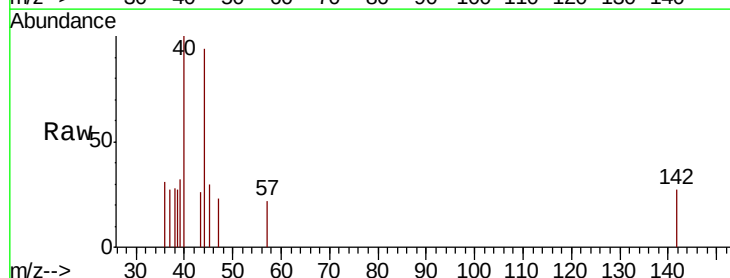
Tgt Ion:142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

80

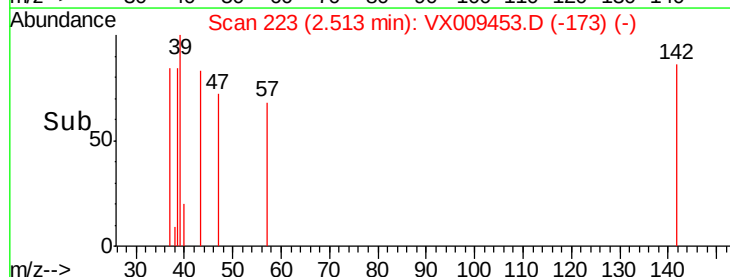
60

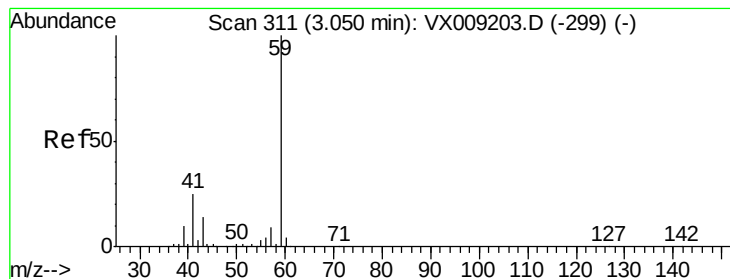
40

20

0

Time--> 2.50 2.52 2.54



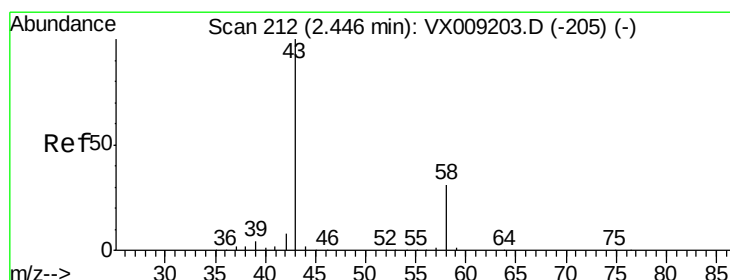
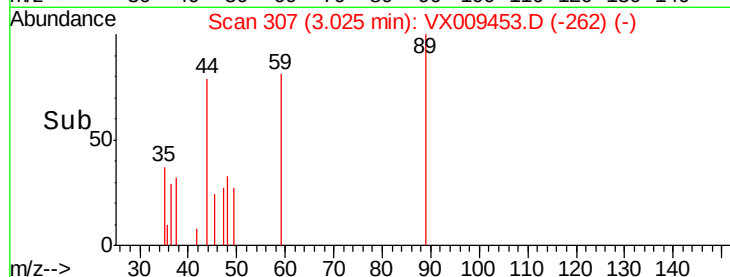
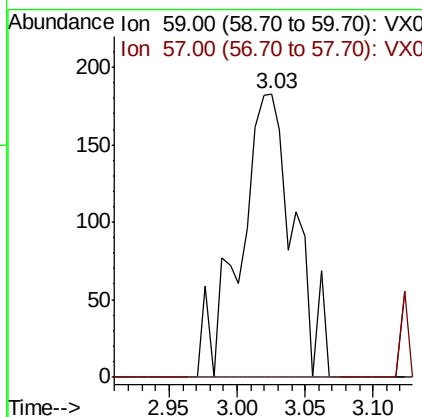
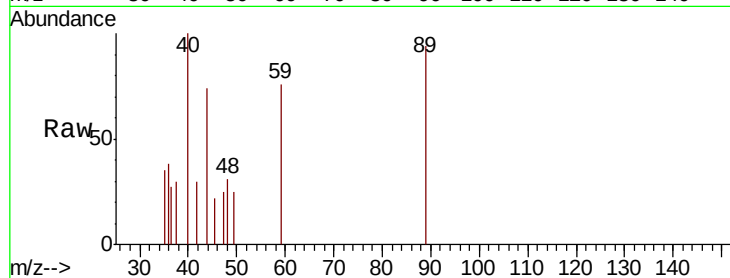


#11

Tert butyl alcohol
Concen: 0.860 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

Instrument :
MSVOA_X
ClientSampled :

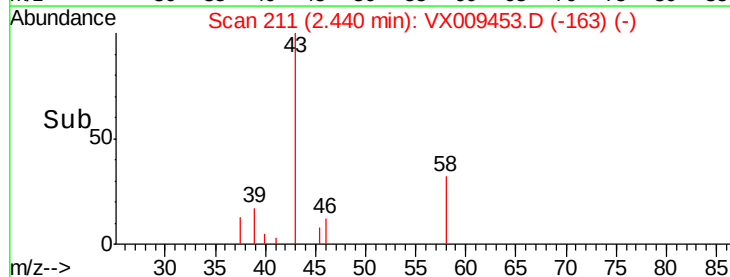
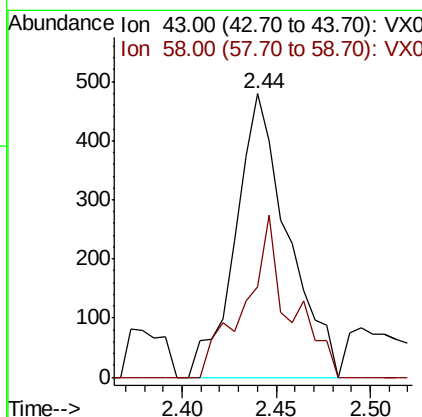
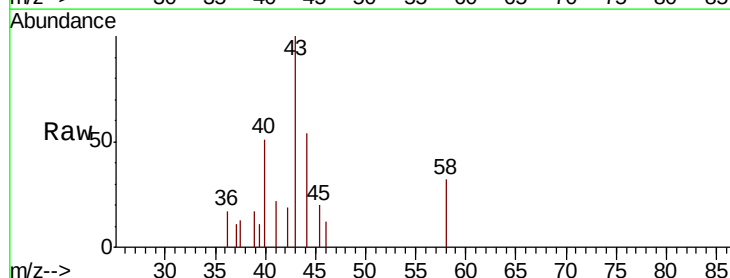
Tot Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

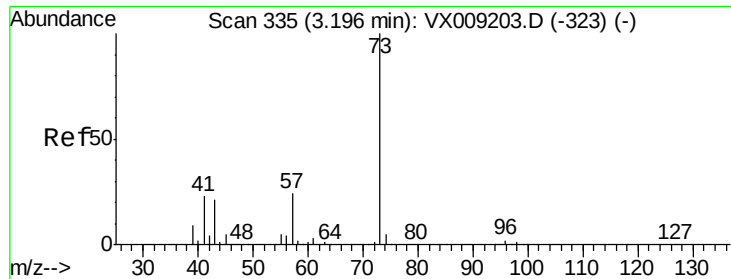


#16

Acetone
Concen: 0.671 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
58 31.9 24.9 37.3

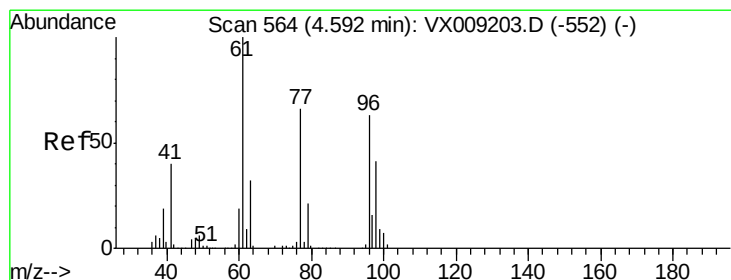
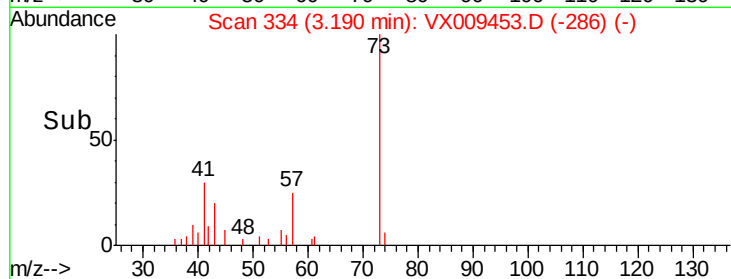
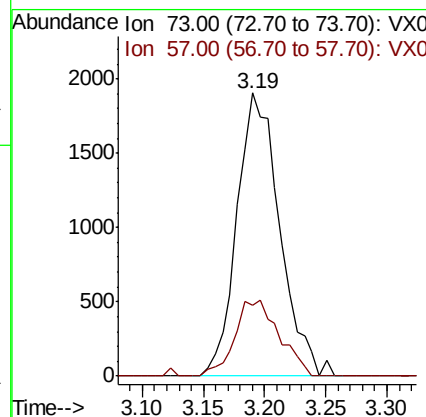
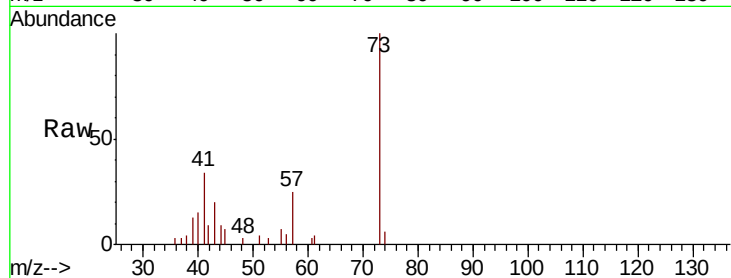




#19
Methyl tert-butyl Ether
Concen: 0.674 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

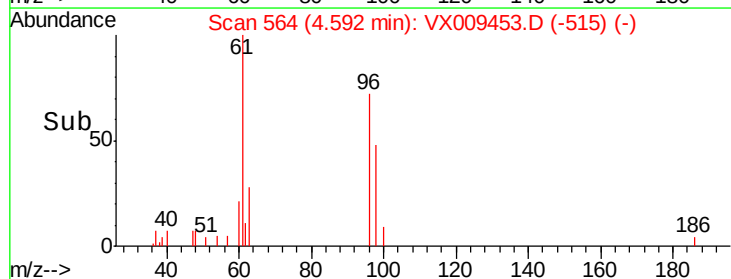
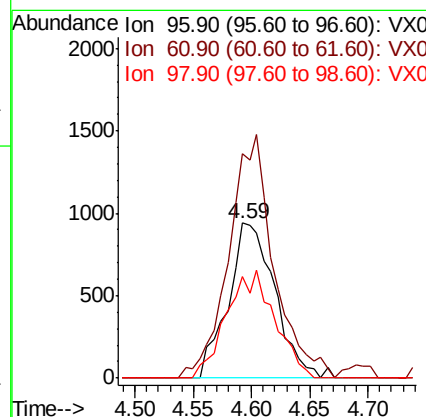
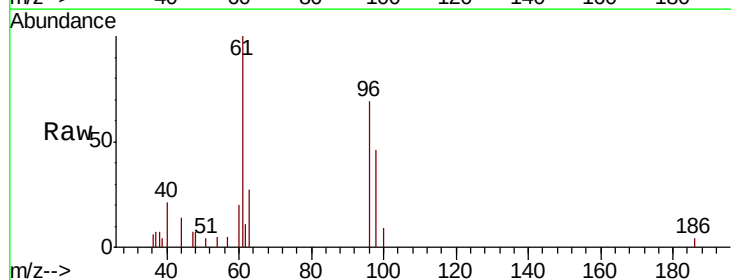
Instrument :
MSVOA_X
ClientSampleId :

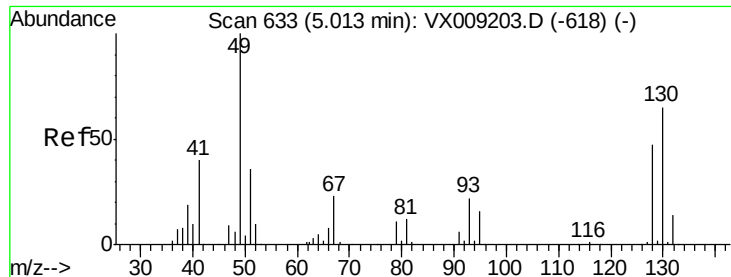
Tot Ion: 73 Resp: 4627
Ion Ratio Lower Upper
73 100
57 24.8 19.3 28.9



#27
cis-1,2-Dichloroethene
Concen: 1.151 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

Tgt Ion: 96 Resp: 2633
Ion Ratio Lower Upper
96 100
61 150.6 0.0 324.0
98 71.3 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

Instrument :
MSVOA_X
ClientSampled :

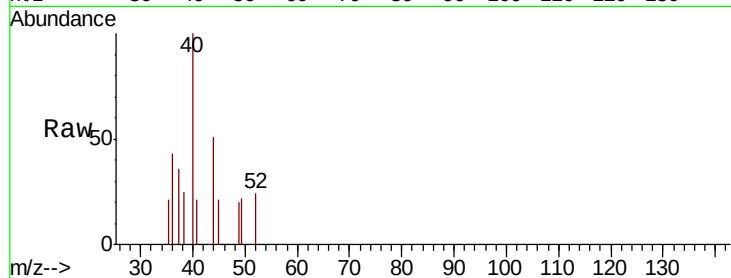
Tot Ion: 49 Resp: 84

Ion Ratio Lower Upper

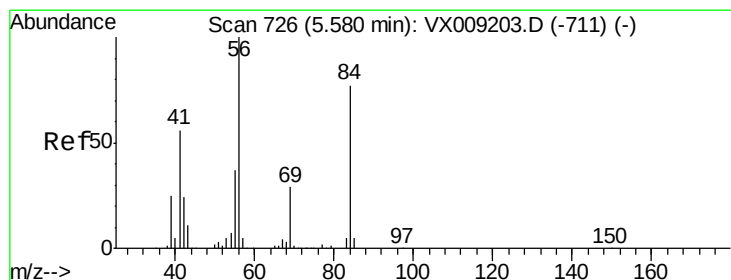
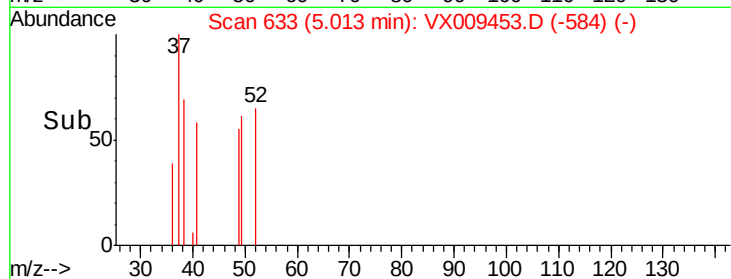
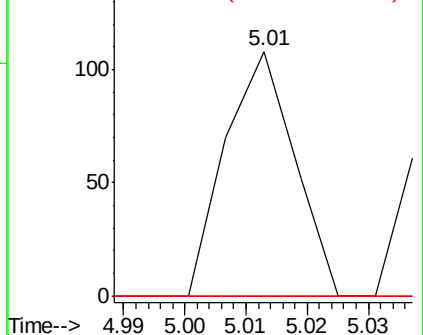
49 100

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: 1.092 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

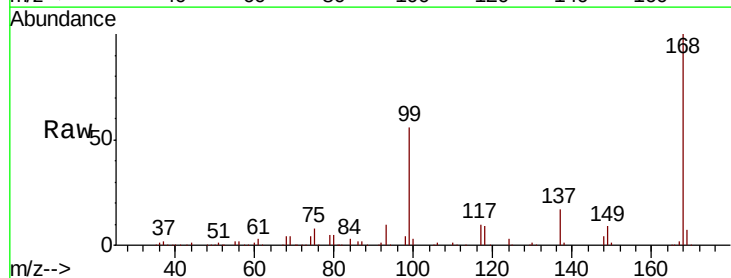
Tgt Ion: 56 Resp: 4152

Ion Ratio Lower Upper

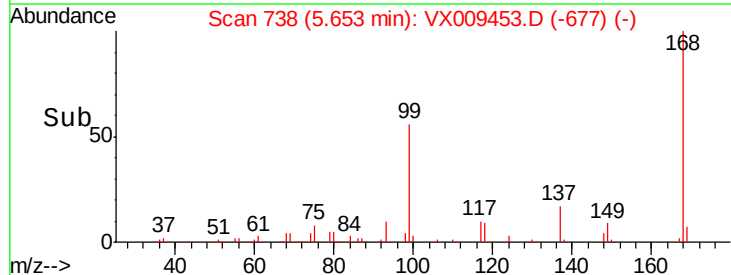
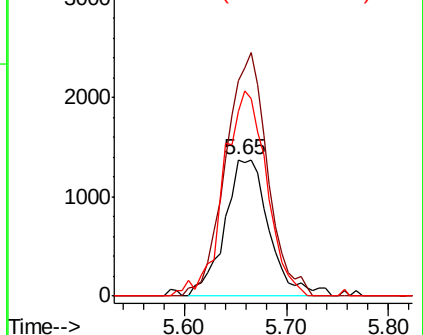
56 100

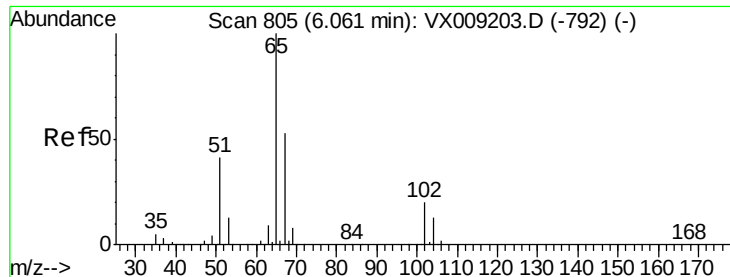
69 158.3 23.4 35.0#

84 135.3 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

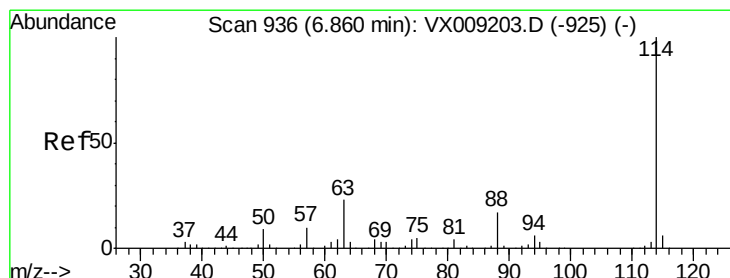
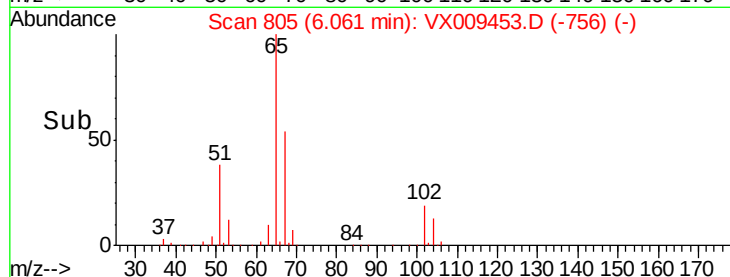
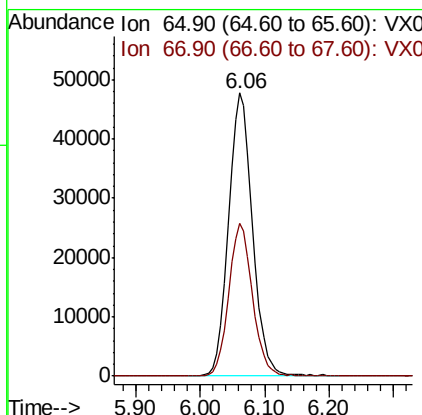
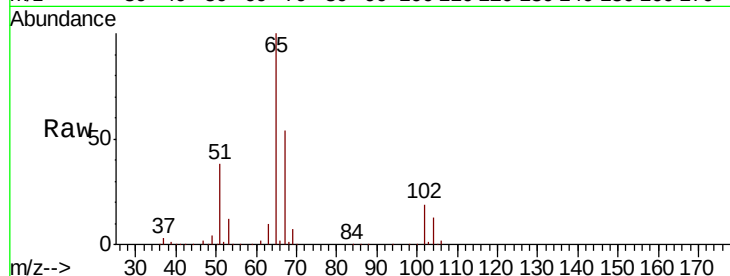




#33
 1,2-Dichloroethane-d4
 Concen: 48.528 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

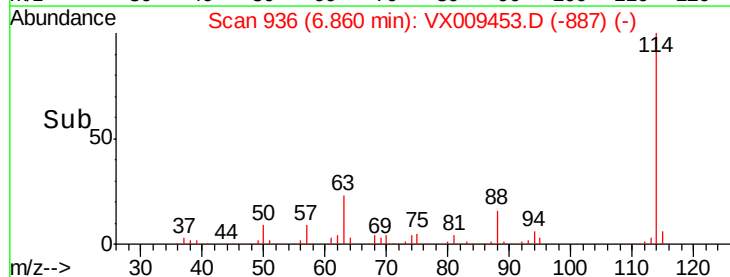
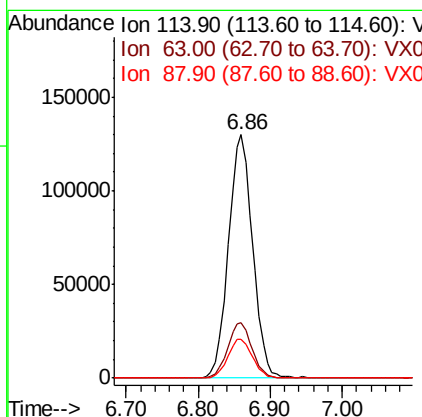
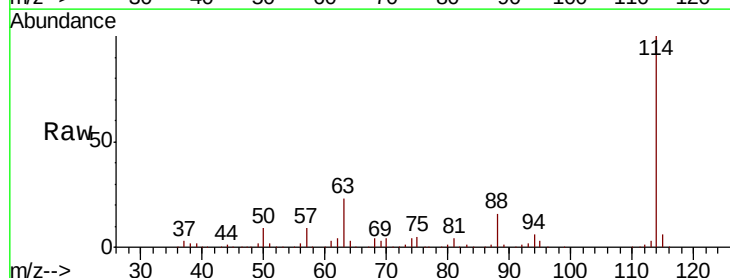
Instrument :
 MSVOA_X
 ClientSampled :

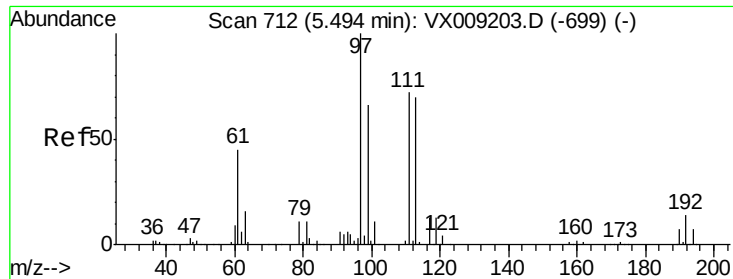
Tot Ion: 65 Resp: 124810
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

Tgt Ion: 114 Resp: 303399
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.0 0.0 33.2

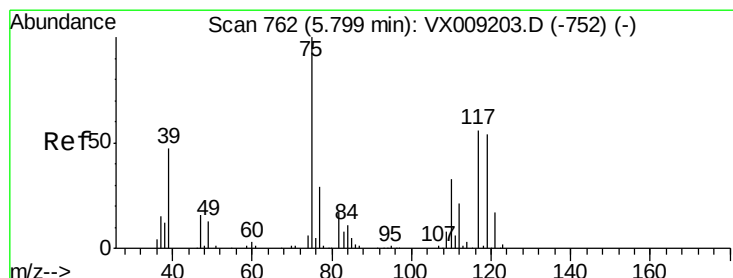
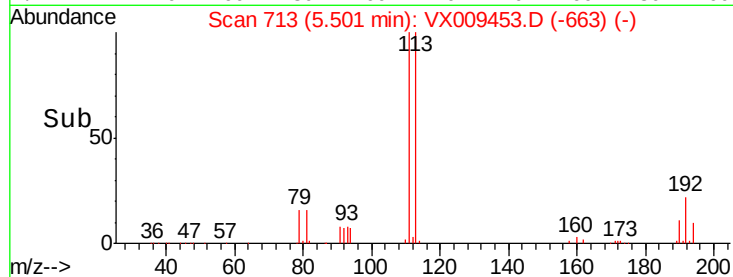
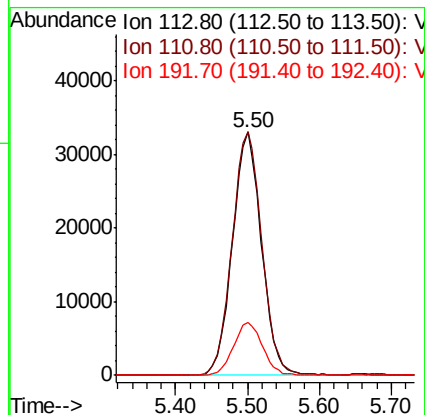
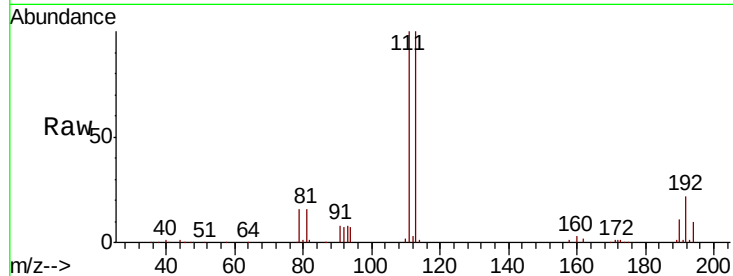




#35
 Dibromofluoromethane
 Concen: 48.512 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

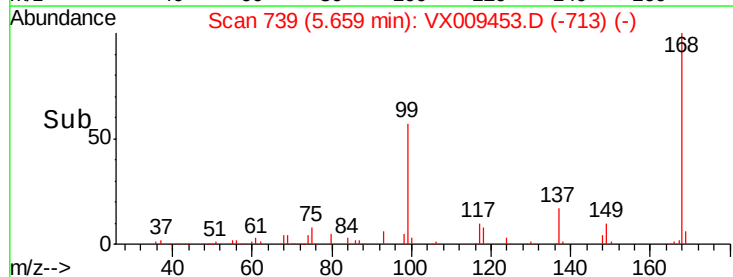
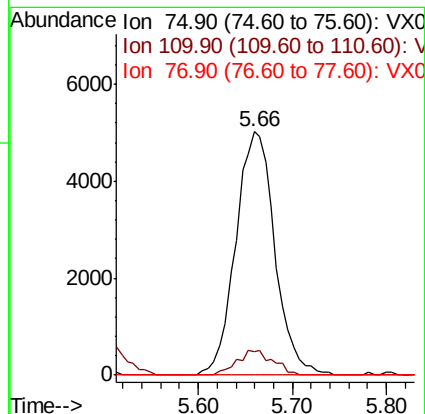
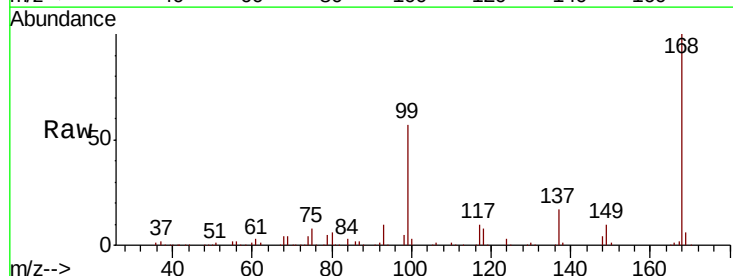
Instrument :
 MSVOA_X
 ClientSampleId :

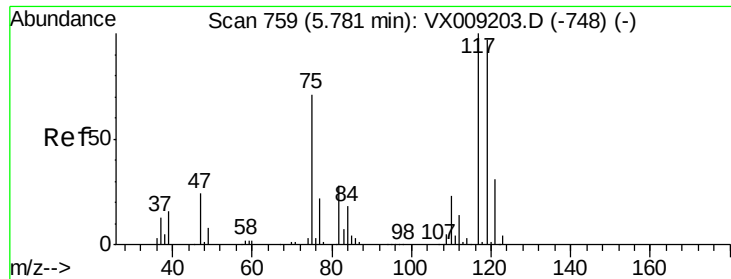
Tot Ion:113 Resp: 92527
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

Tgt Ion: 75 Resp: 14525
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.893 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

Instrument :

MSVOA_X

ClientSampleId :

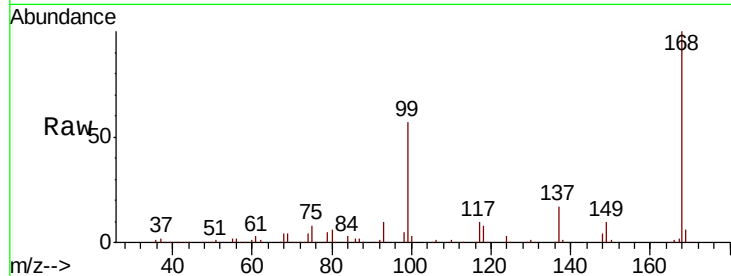
Tot Ion:117 Resp: 17659

Ion Ratio Lower Upper

117 100

119 3.8 77.5 116.3#

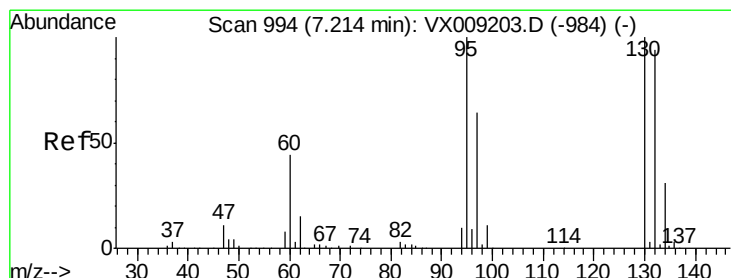
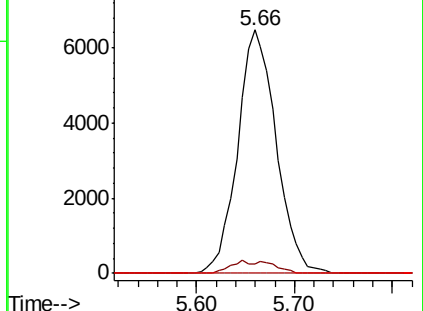
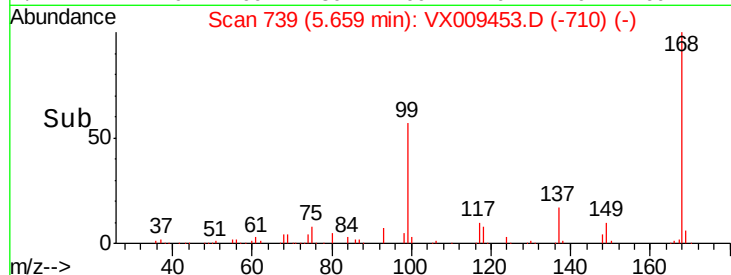
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 3.904 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009453.D

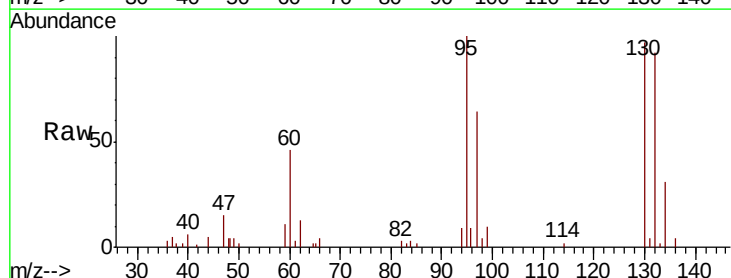
Acq: 10 May 2019 01:53

Tgt Ion:130 Resp: 8236

Ion Ratio Lower Upper

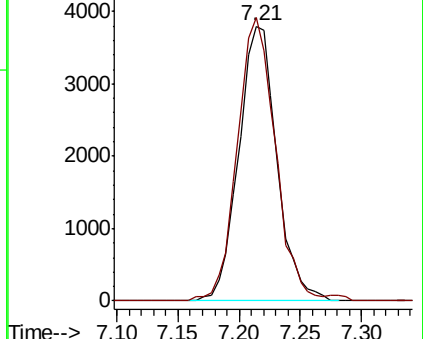
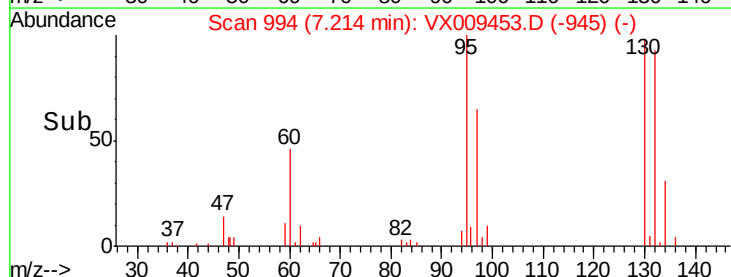
130 100

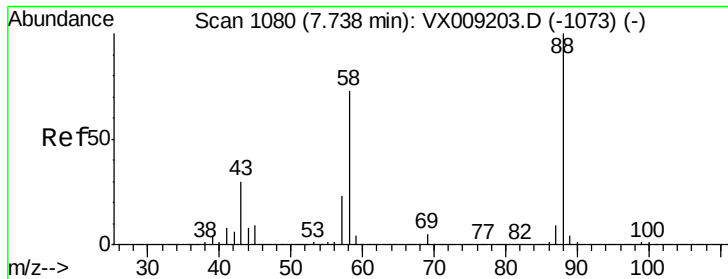
95 103.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.332 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.13 min

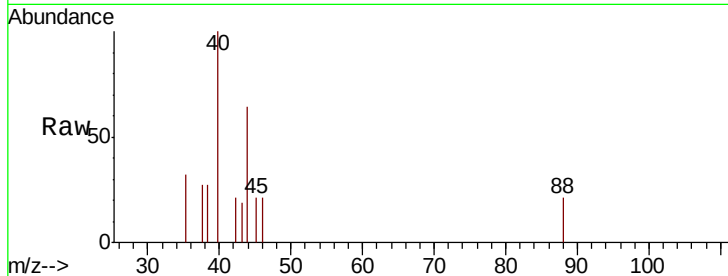
Lab File: VX009453.D

Acq: 10 May 2019 01:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 21

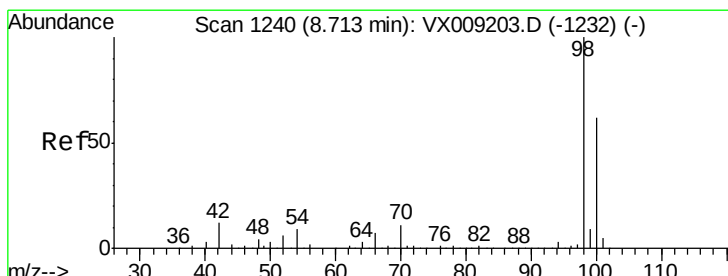
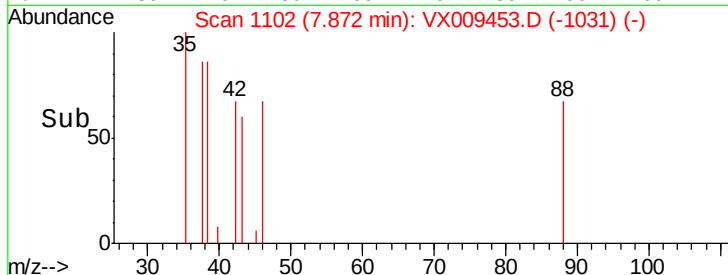
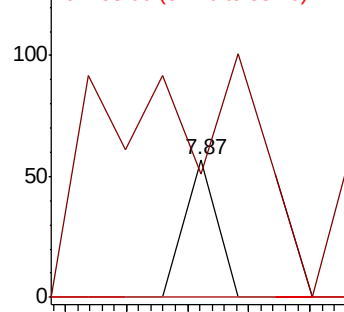
Ion	Ratio	Lower	Upper
88	100		
43	781.0	28.6	42.8#
58	0.0	61.7	92.5#



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: 49.446 ug/l

RT: 8.71 min Scan# 1240

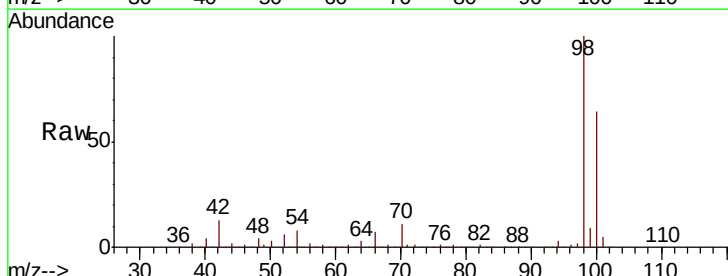
Delta R.T. 0.00 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

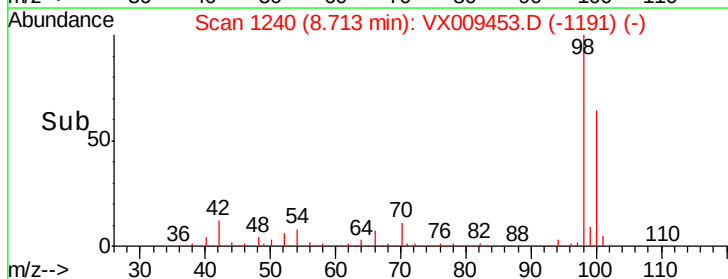
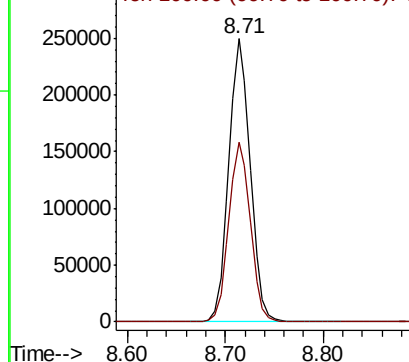
Tgt Ion: 98 Resp: 380746

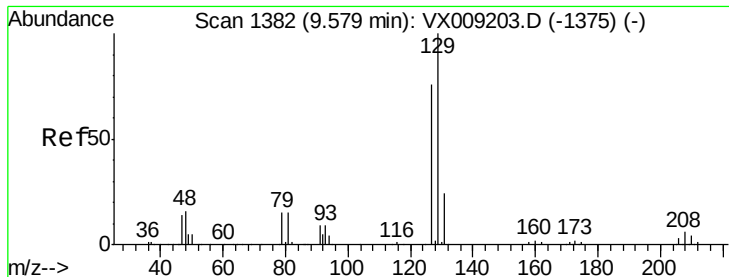
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

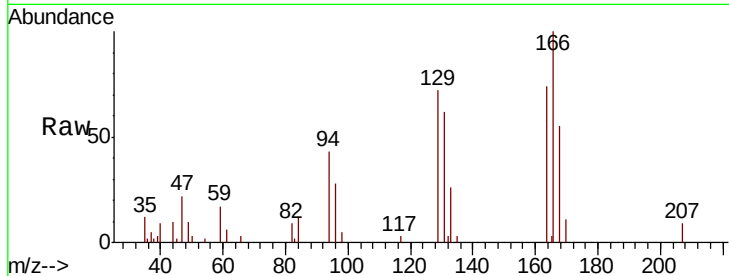




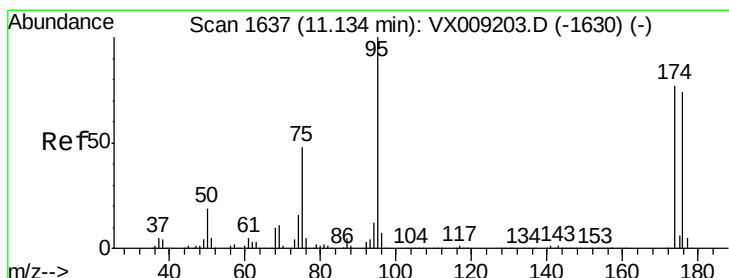
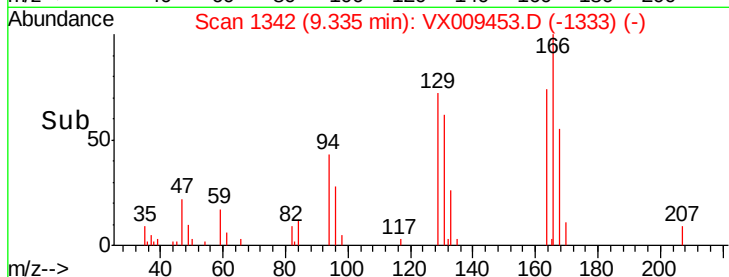
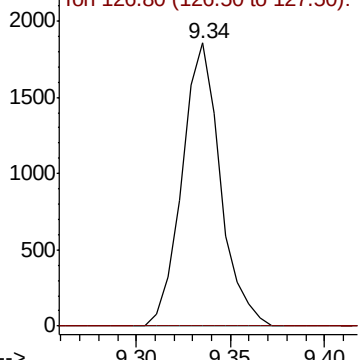
#60
 Dibromochloromethane
 Concen: 1.235 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:129 Resp: 2610
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#

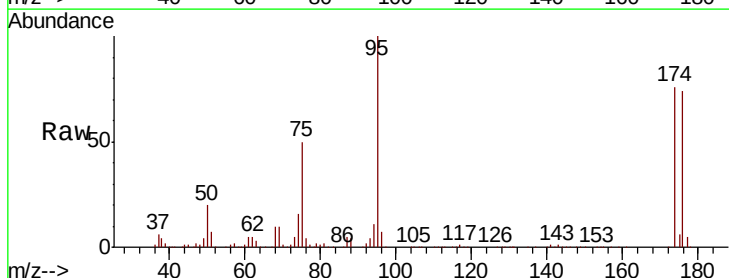


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

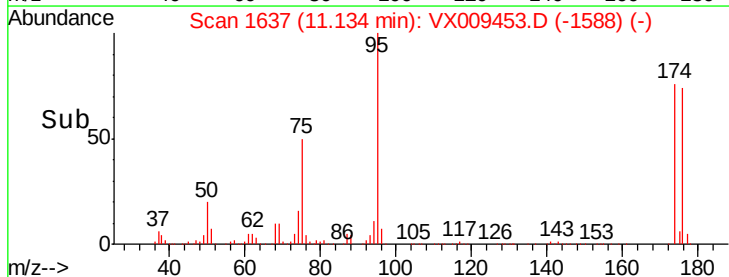
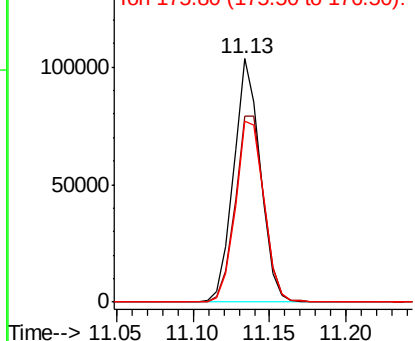


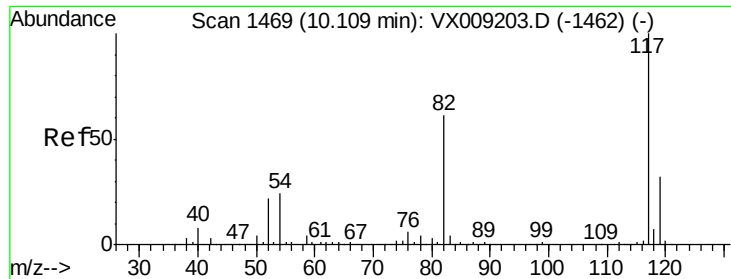
#62
 4-Bromofluorobenzene
 Concen: 44.613 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009453.D
 Acq: 10 May 2019 01:53

Tgt Ion: 95 Resp: 124825
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 161.6
 176 79.9 0.0 159.2



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

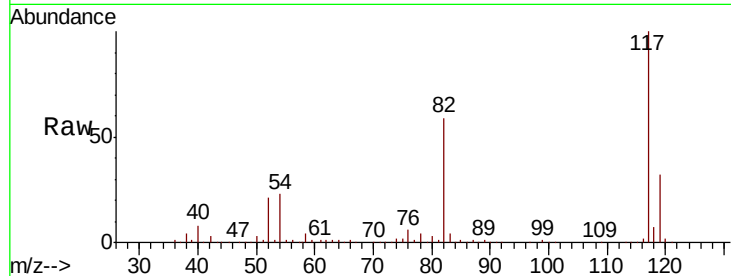




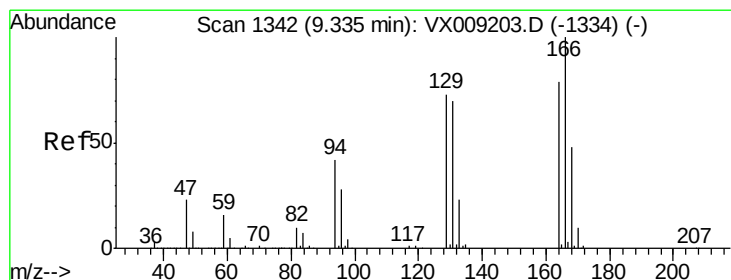
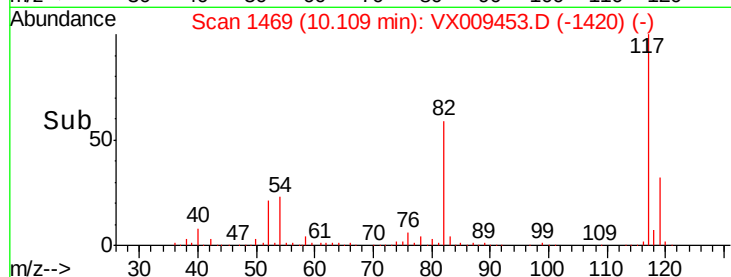
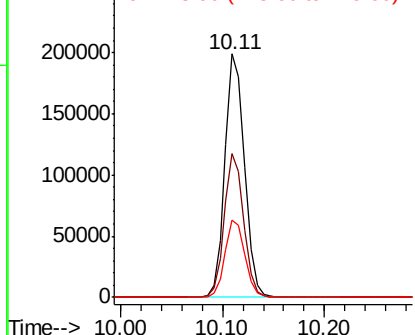
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 264607
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.9 25.8 38.6



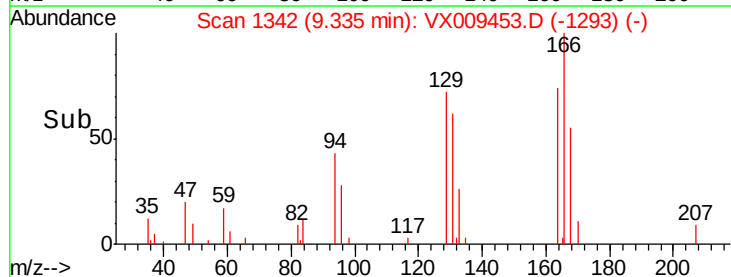
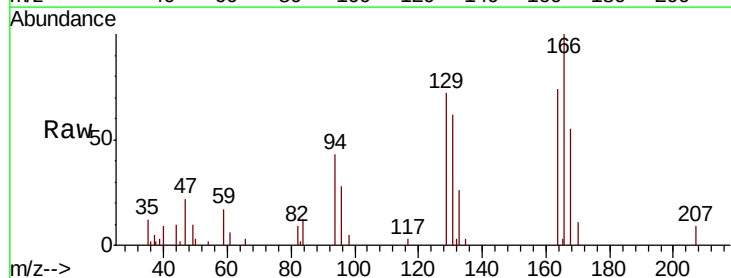
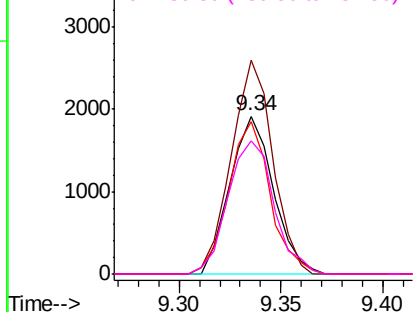
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

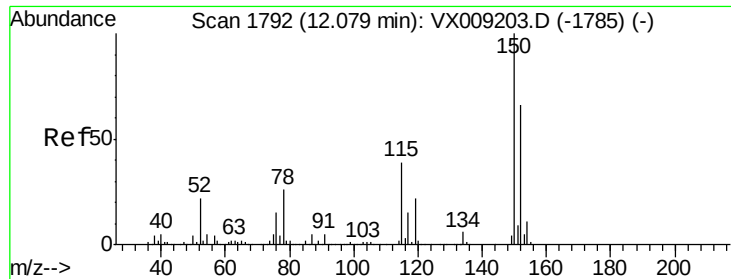


#64
Tetrachloroethene
Concen: 1.560 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009453.D
Acq: 10 May 2019 01:53

Tgt Ion:164 Resp: 2831
Ion Ratio Lower Upper
164 100
166 135.4 101.2 151.8
129 96.9 74.3 111.5
131 84.3 71.0 106.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009453.D

Acq: 10 May 2019 01:53

Instrument :

MSVOA_X

ClientSampleId :

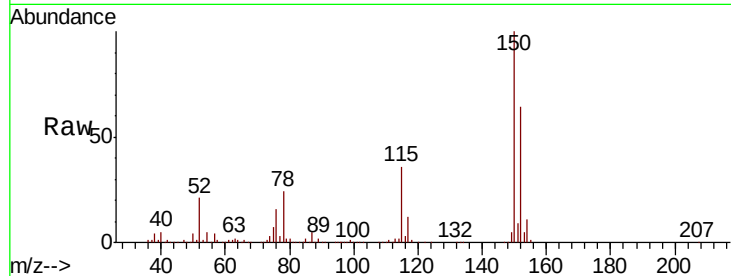
Tot Ion:152 Resp: 113581

Ion Ratio Lower Upper

152 100

115 57.9 41.2 123.6

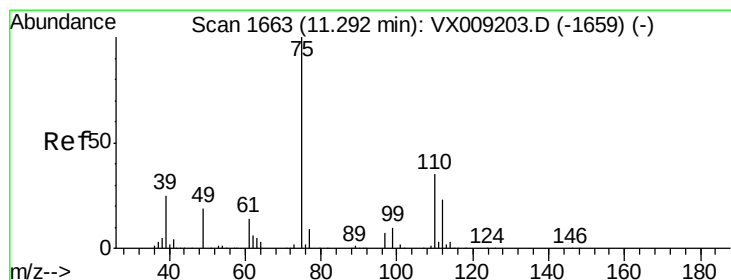
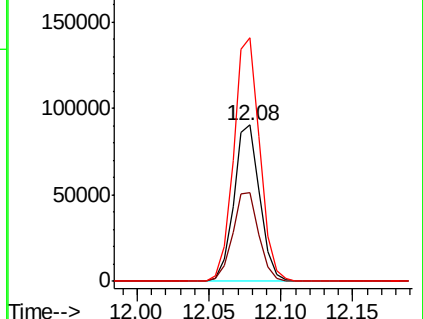
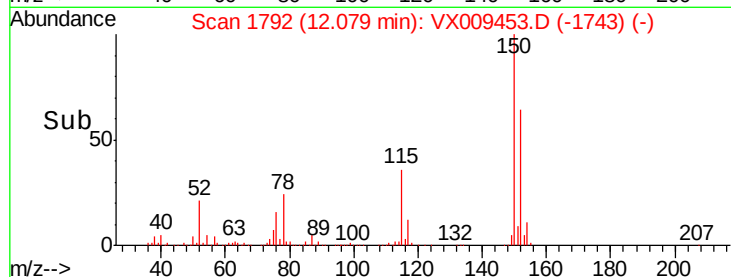
150 157.0 0.0 346.4



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: 24.135 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009453.D

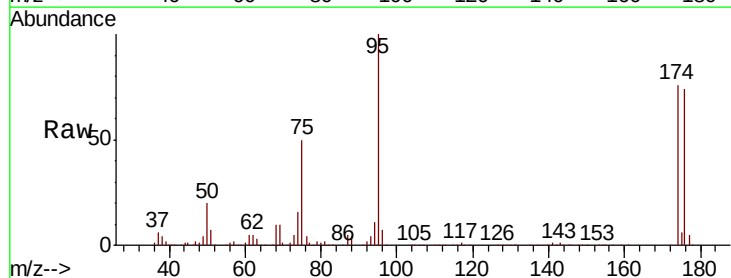
Acq: 10 May 2019 01:53

Tgt Ion: 75 Resp: 63587

Ion Ratio Lower Upper

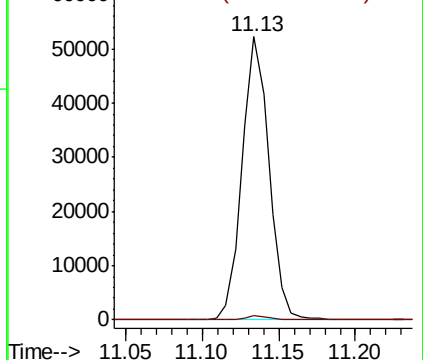
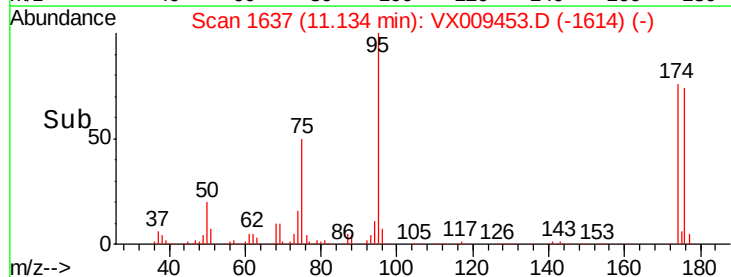
75 100

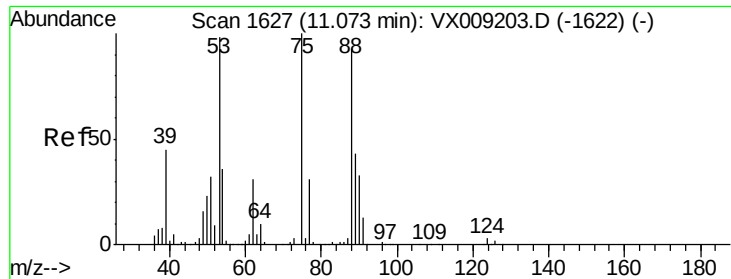
77 1.2 22.1 66.1#



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: 61.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009453.D

Acq: 10 May 2019 01:53

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 63587

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

