

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051519\
 Data File : VX009581.D
 Acq On : 15 May 2019 15:37
 Operator : JC/SP
 Sample : K2856-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:11:00 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	5.66	168	182117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111136	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	119290	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.49	113	88080	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.71	98	361618	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	121056	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

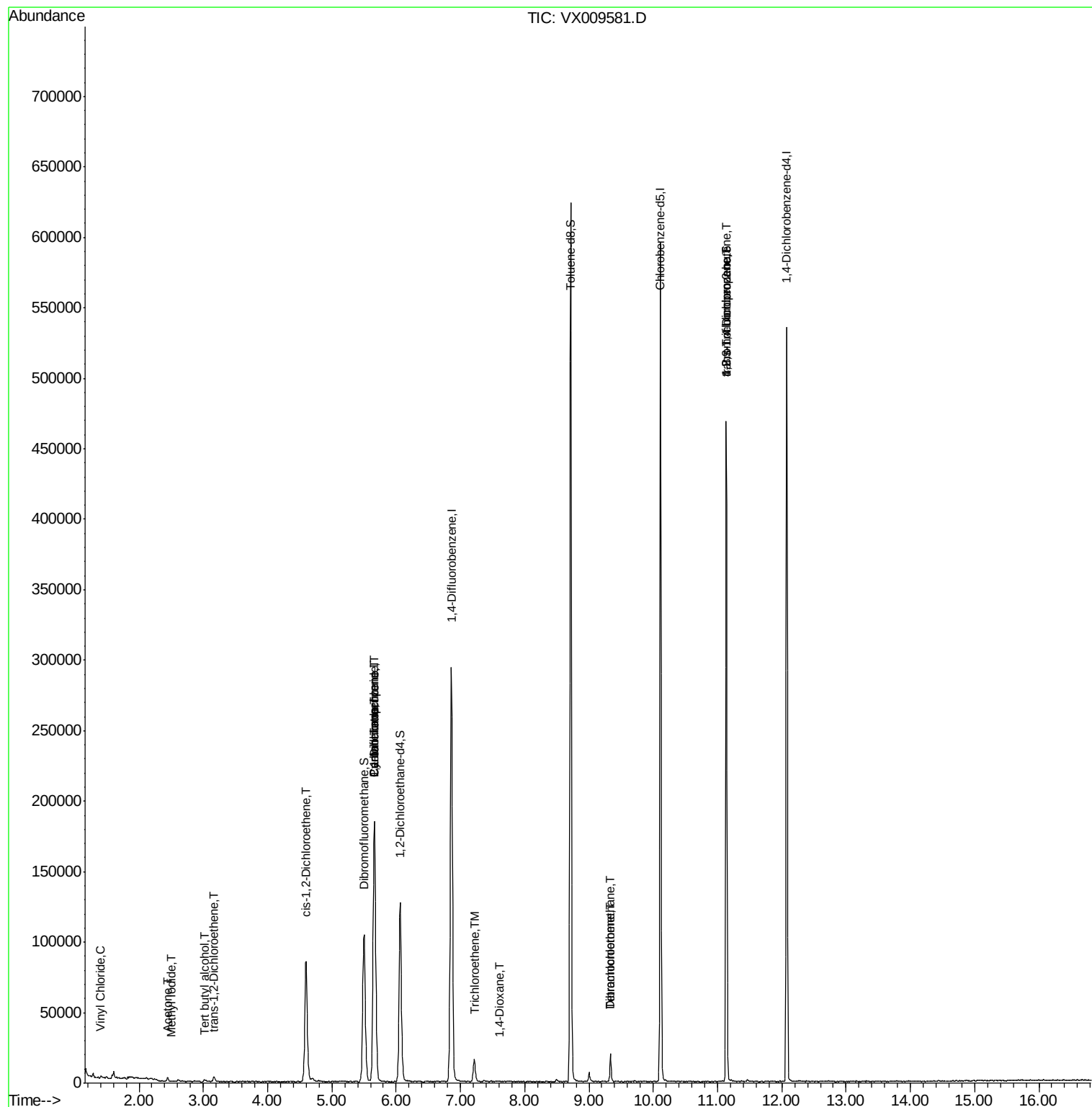
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	733	0.328	ug/l #	72
10) Methyl Iodide	2.51	142	130	4.653	ug/l #	47
11) Tert butyl alcohol	3.02	59	601	1.044	ug/l #	90
16) Acetone	2.45	43	3245	2.431	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	1329	0.717	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	53553	24.210	ug/l	89
28) Bromochloromethane	5.03	49	89	Below Cal	#	20
31) Cyclohexane	5.65	56	3939	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13576	5.073	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17441	7.173	ug/l #	15
44) Trichloroethene	7.21	130	6145	3.069	ug/l	93
49) 1,4-Dioxane	7.60	88	20	0.333	ug/l #	20
60) Dibromochloromethane	9.34	129	3482	1.736	ug/l #	11
64) Tetrachloroethene	9.34	164	3584	2.056	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	60995	23.660	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60995	60.538	ug/l #	10

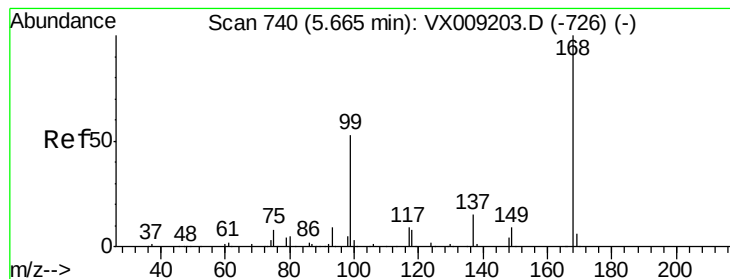
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

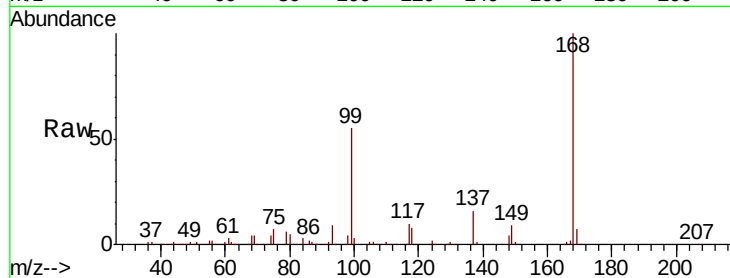
ClientSampleId :

Tot Ion:168 Resp: 182117

Ion Ratio Lower Upper

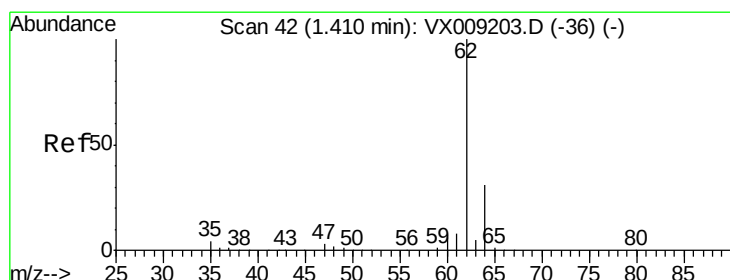
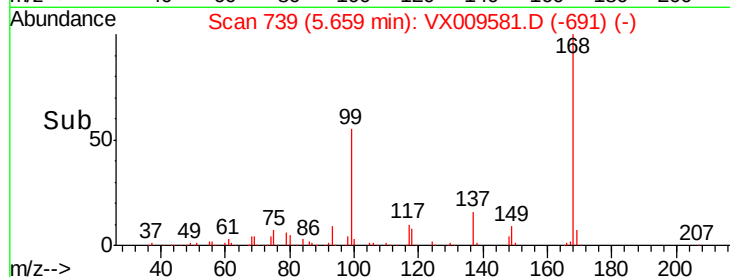
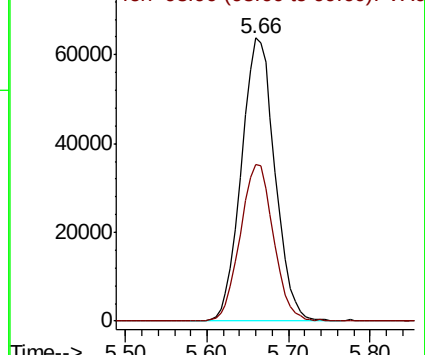
168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.328 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009581.D

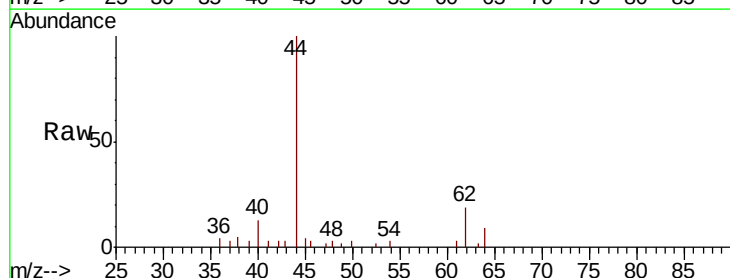
Acq: 15 May 2019 15:37

Tgt Ion: 62 Resp: 733

Ion Ratio Lower Upper

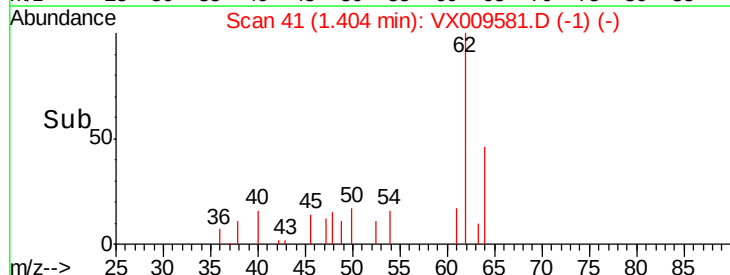
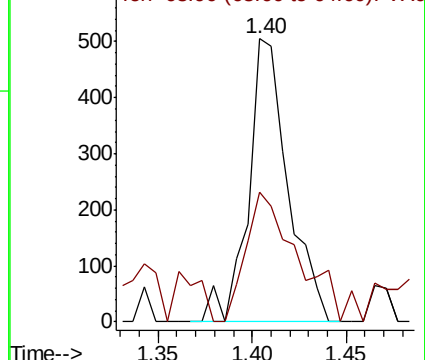
62 100

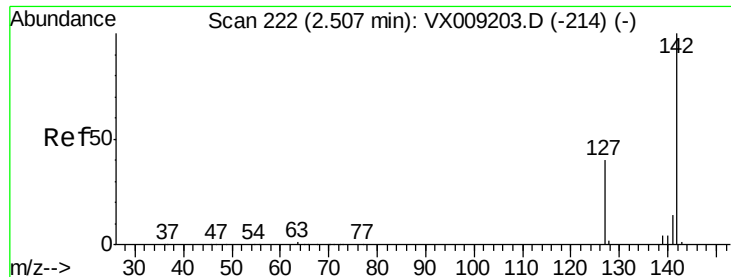
64 45.9 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

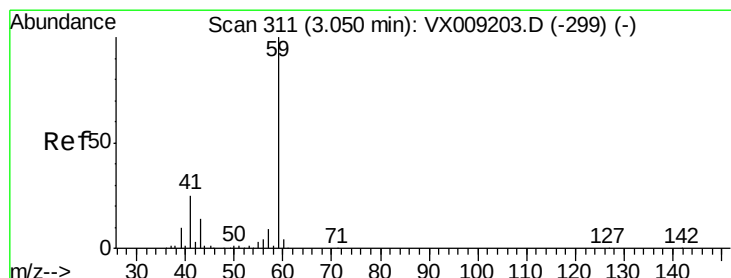
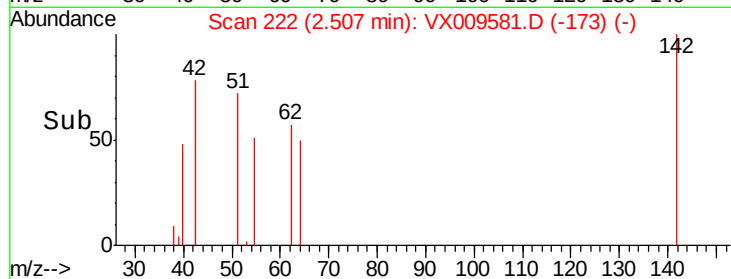
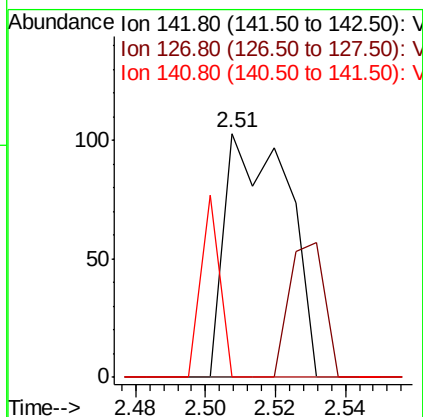
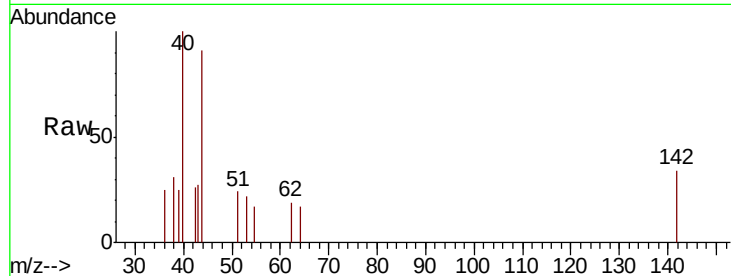




#10
Methvl Iodide
Concen: 4.653 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

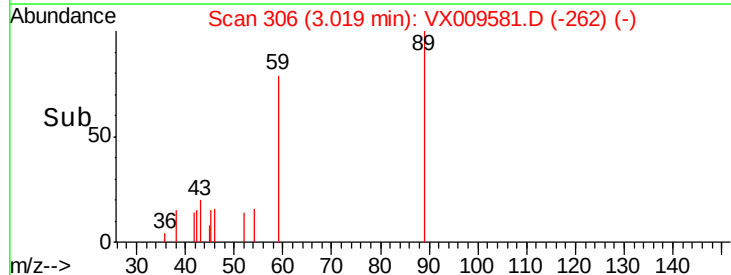
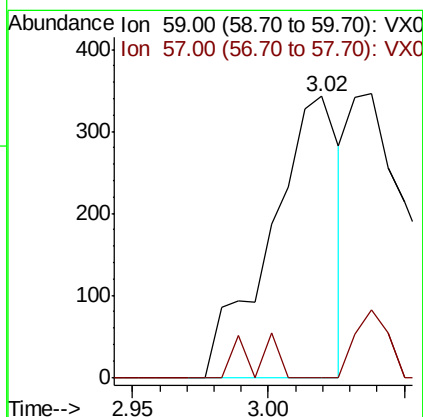
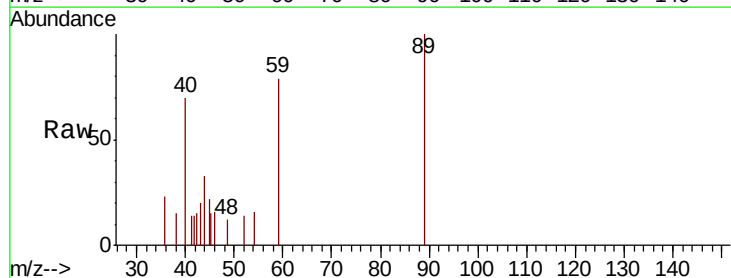
Instrument :
MSVOA_X
ClientSampled :

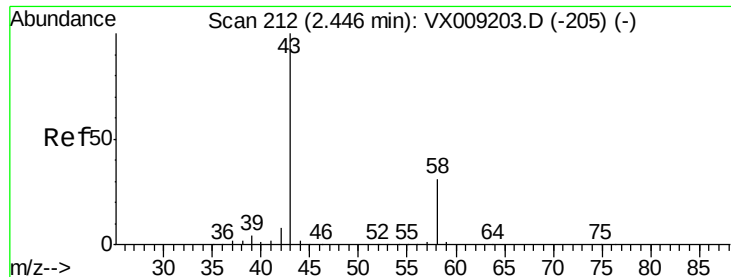
Tot Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 21.5 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.044 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 6.3 8.2 12.2#





#16

Acetone

Concen: 2.431 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

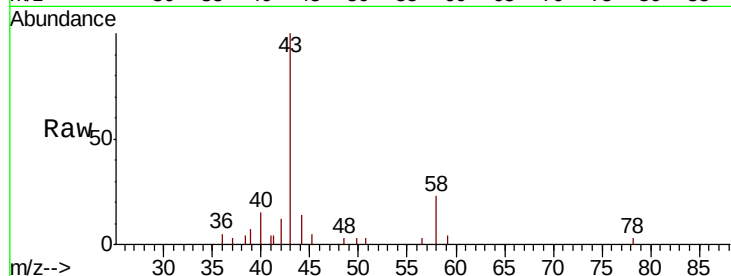
ClientSampleId :

Tot Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

58 23.2 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

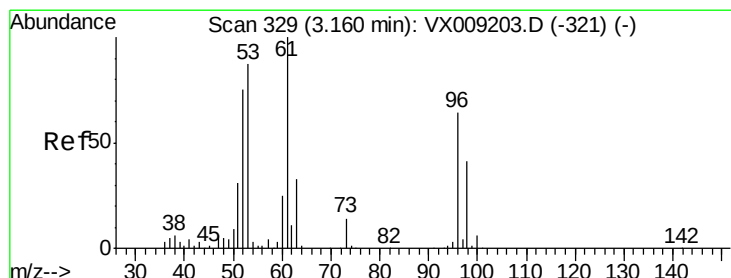
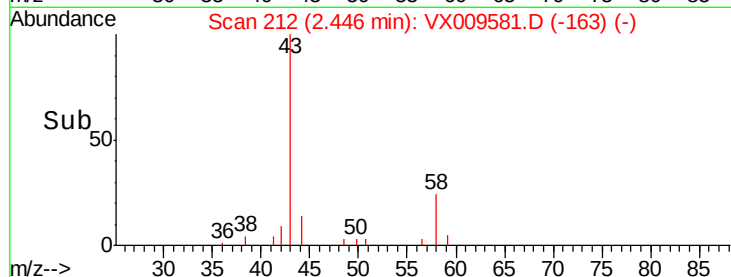
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.717 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

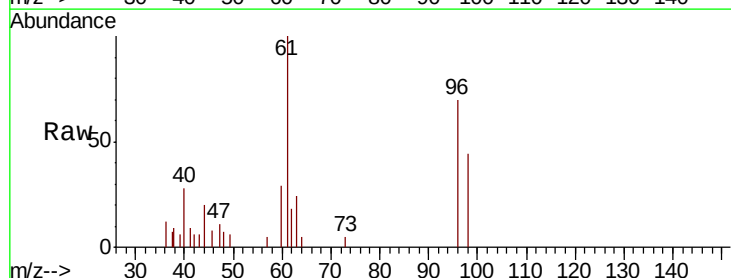
Tgt Ion: 96 Resp: 1329

Ion Ratio Lower Upper

96 100

61 141.9 124.5 186.7

98 62.3 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

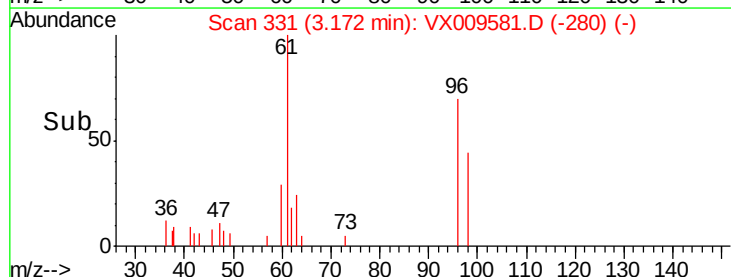
1000

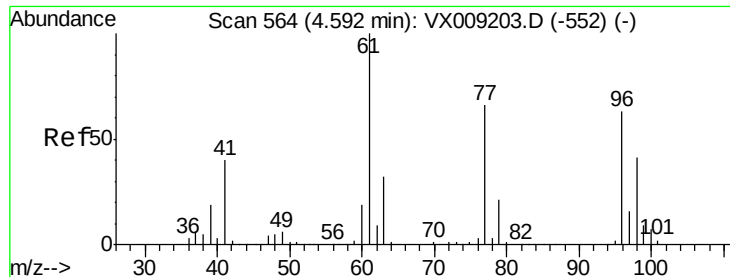
500

0

3.10 3.15 3.20

Time-->



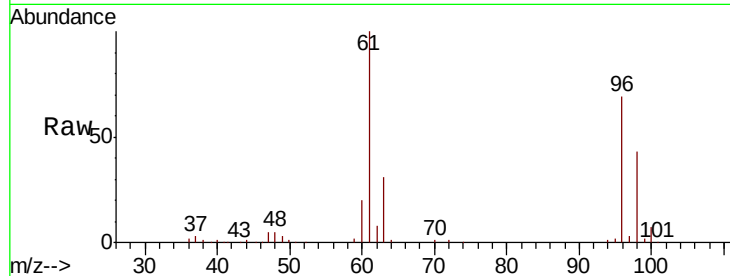


#27

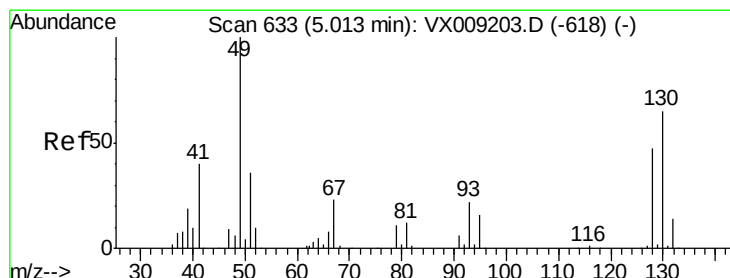
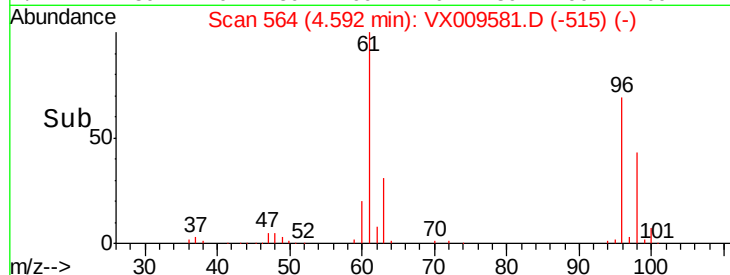
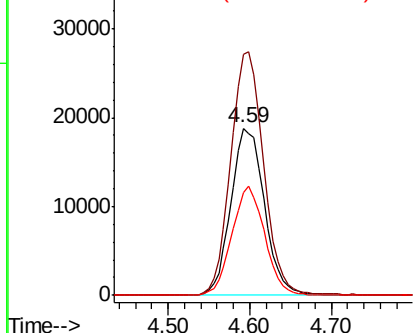
cis-1,2-Dichloroethene
Concen: 24.210 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	324.0
98	64.1	0.0	130.4



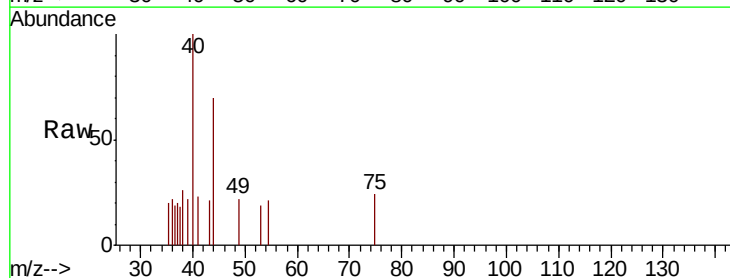
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



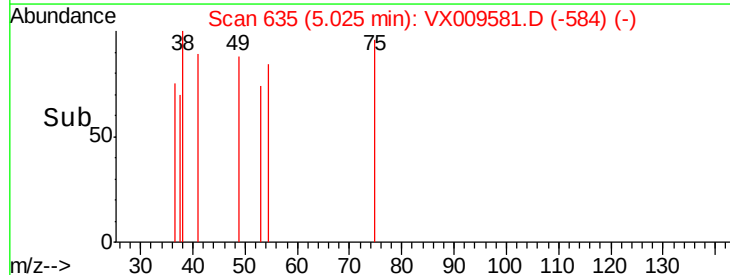
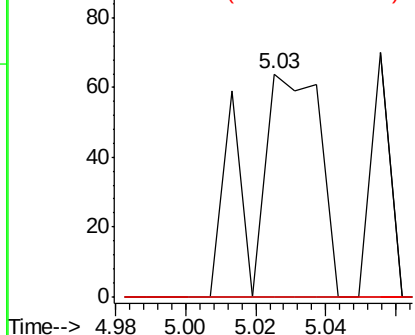
#28

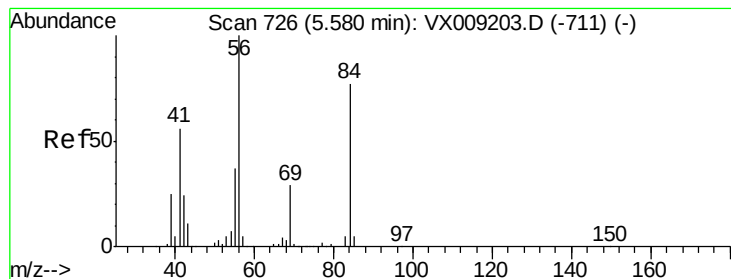
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

Tgt 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: 1.072 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

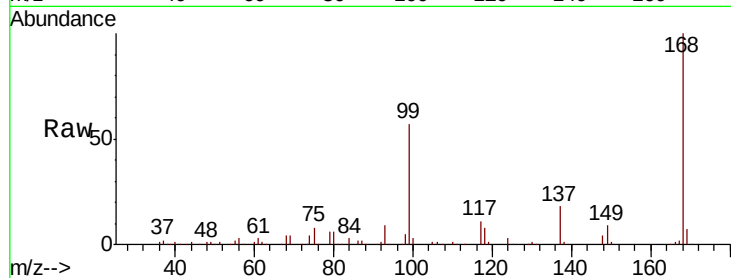
Tot Ion: 56 Resp: 3939

Ion Ratio Lower Upper

56 100

69 153.5 23.4 35.0#

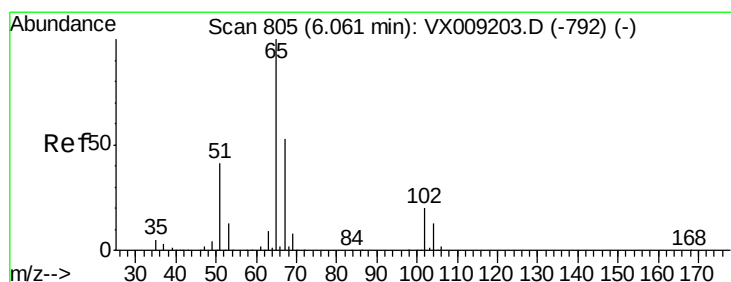
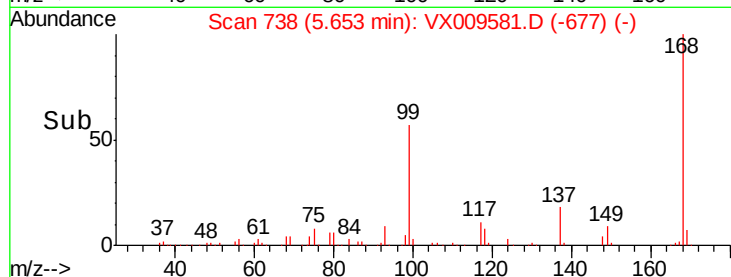
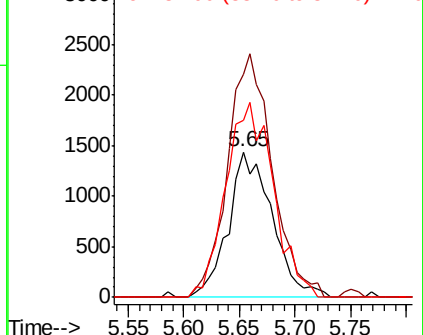
84 121.6 61.9 92.9#



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: 47.983 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009581.D

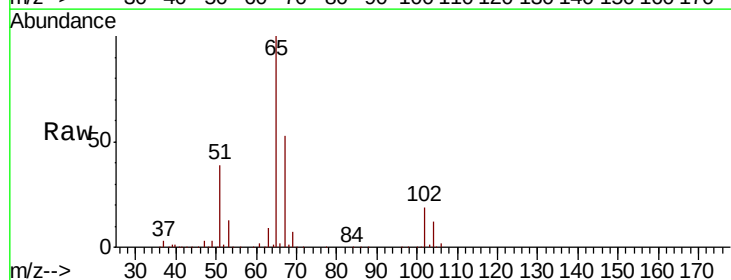
Acq: 15 May 2019 15:37

Tgt Ion: 65 Resp: 119290

Ion Ratio Lower Upper

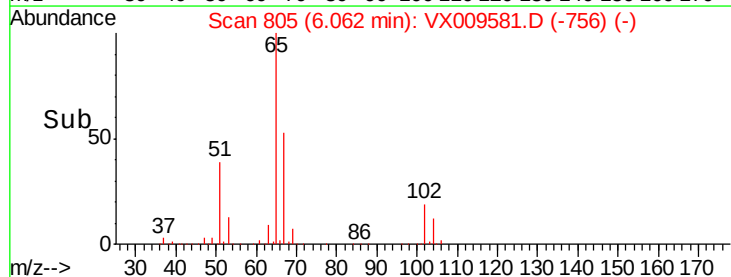
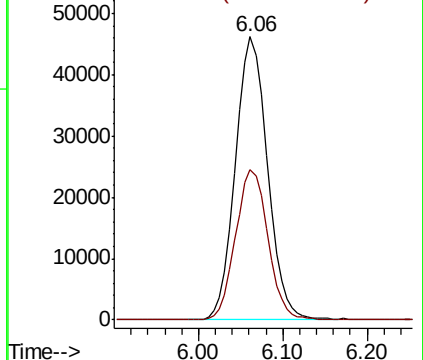
65 100

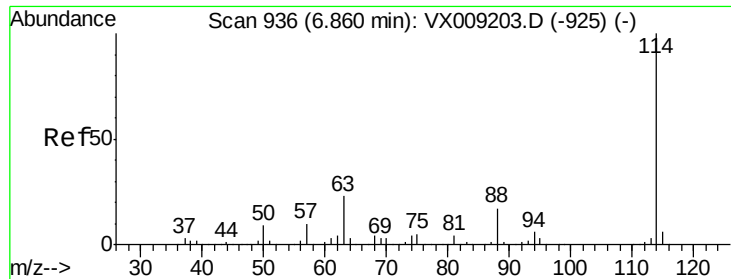
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

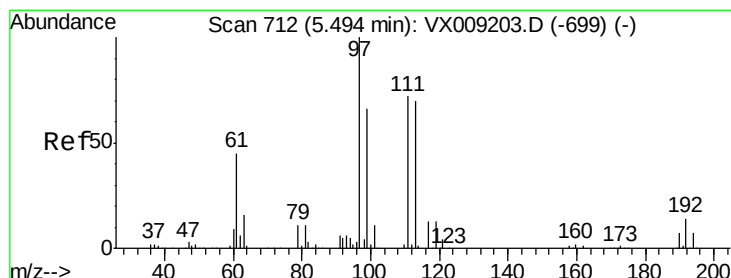
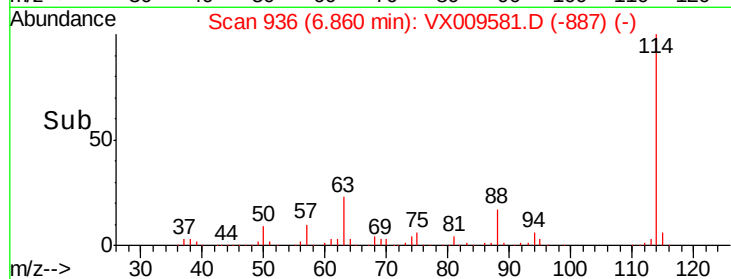
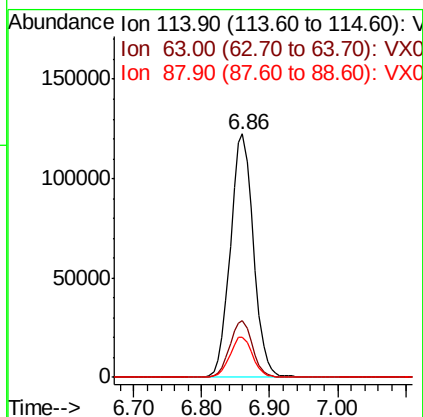
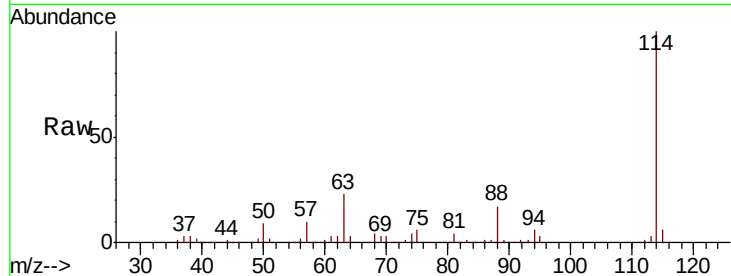




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009581.D
 Acq: 15 May 2019 15:37

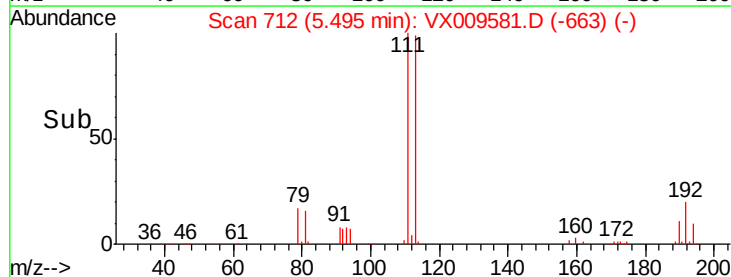
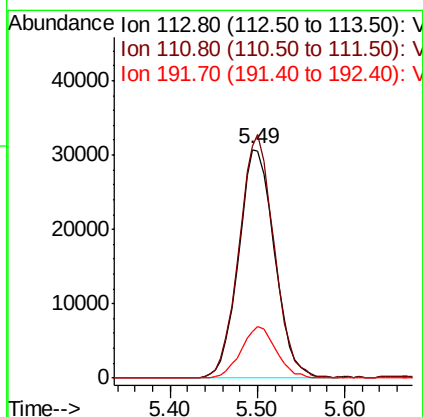
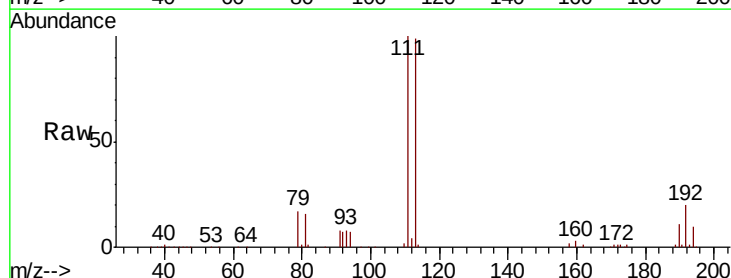
Instrument :
 MSVOA_X
 ClientSampleId :

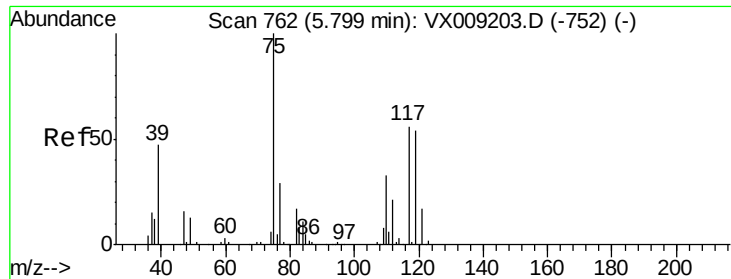
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	16.6	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.652 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009581.D
 Acq: 15 May 2019 15:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	21.9	17.0	25.6

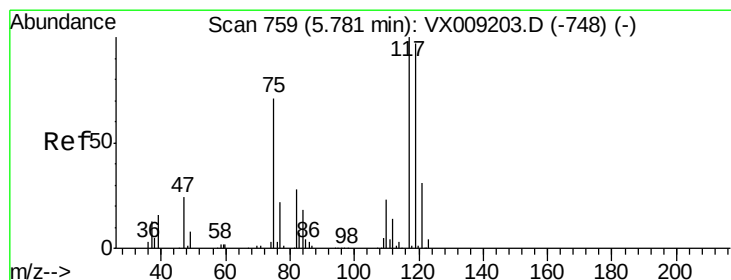
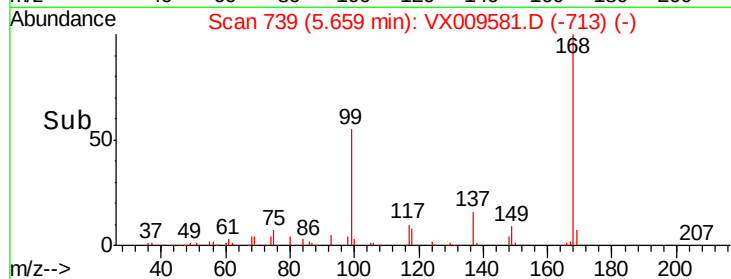
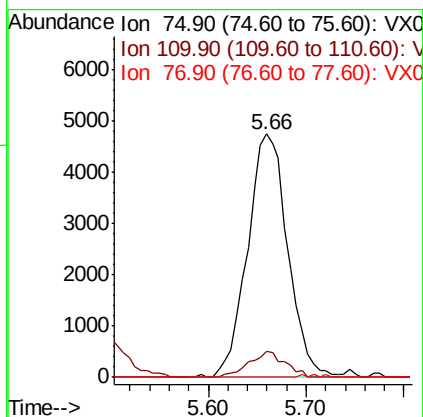
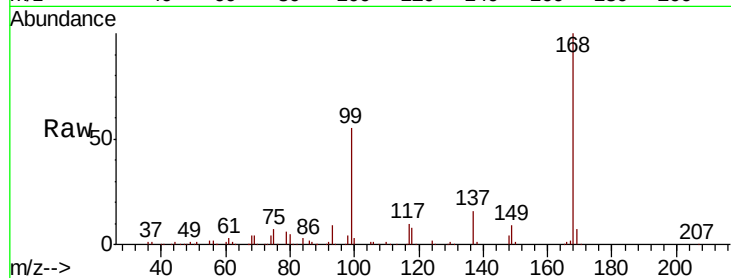




#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009581.D
 Acq: 15 May 2019 15:37

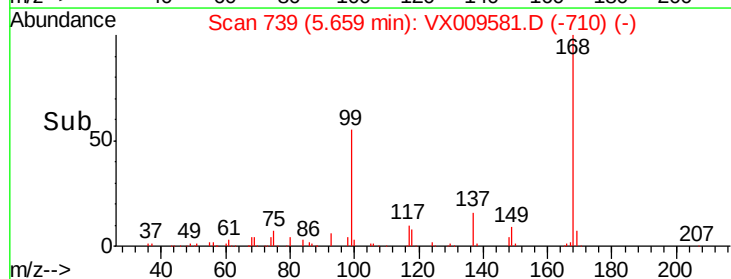
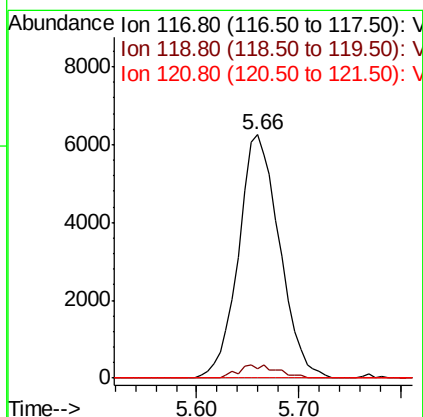
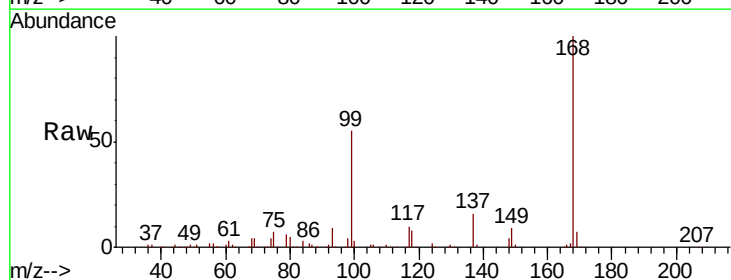
Instrument :
 MSVOA_X
 ClientSampleId :

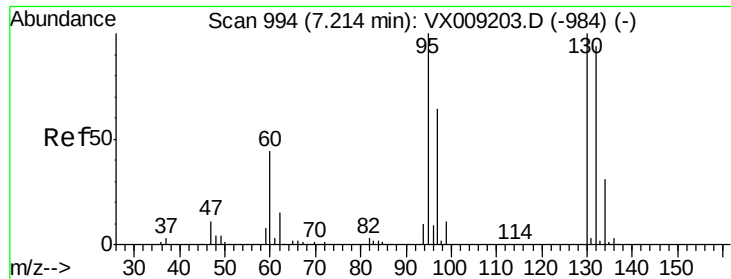
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.173 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009581.D
 Acq: 15 May 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.5	116.3#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 3.069 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

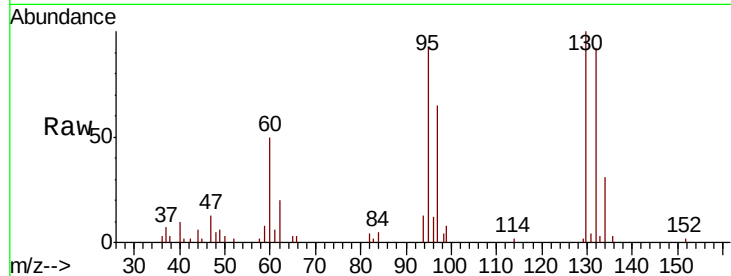
ClientSampleId :

Tot Ion:130 Resp: 6145

Ion Ratio Lower Upper

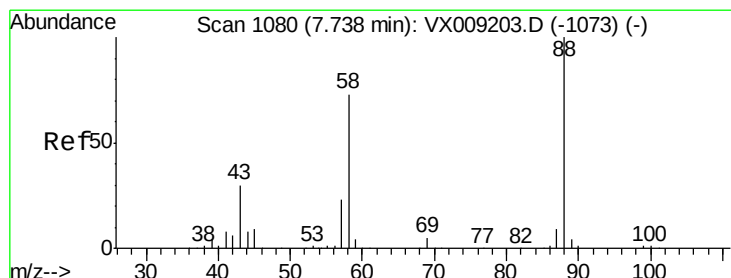
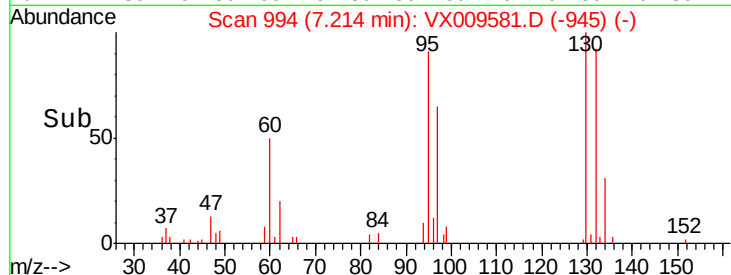
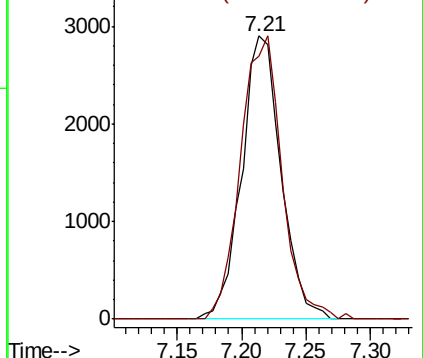
130 100

95 92.9 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: 0.333 ug/l

RT: 7.60 min Scan# 1057

Delta R.T. -0.14 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

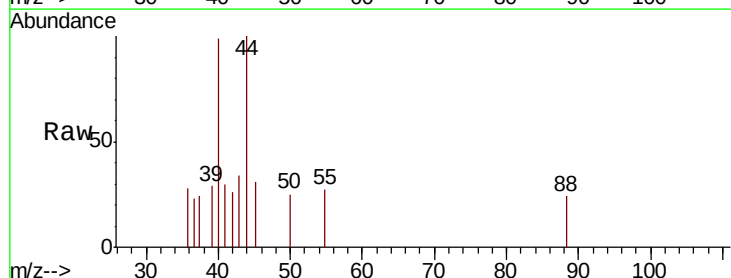
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

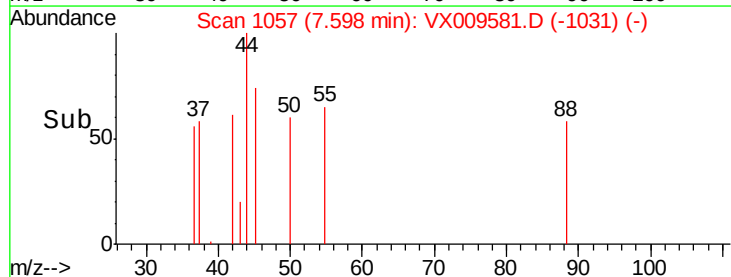
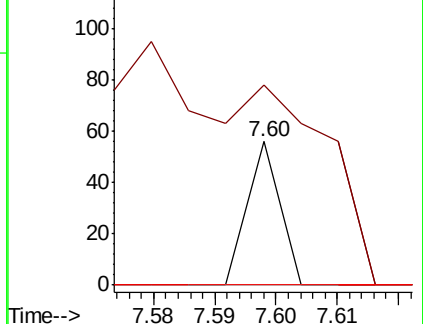
58 0.0 61.7 92.5#

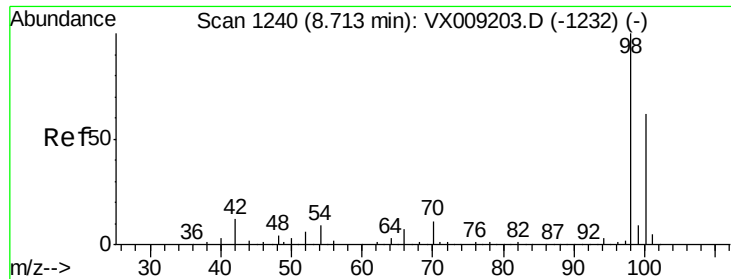


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

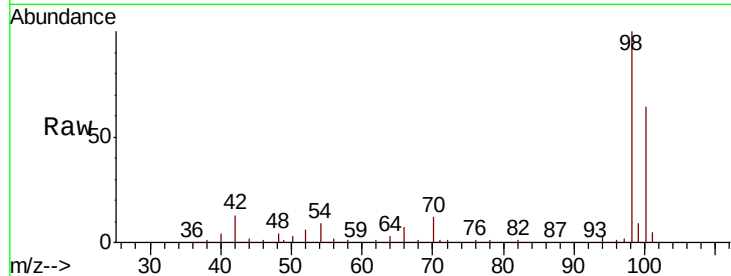




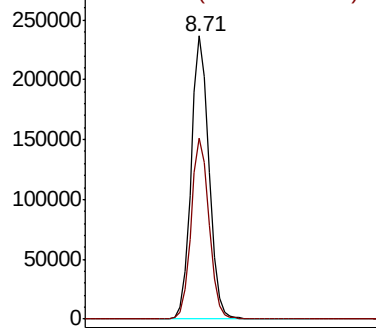
#50
Toluene-d8
Concen: 49.475 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

Instrument :
MSVOA_X
ClientSampled :

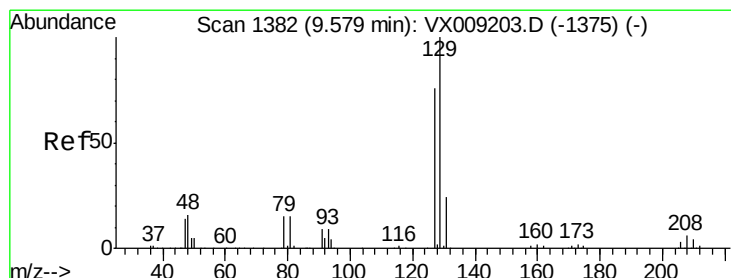
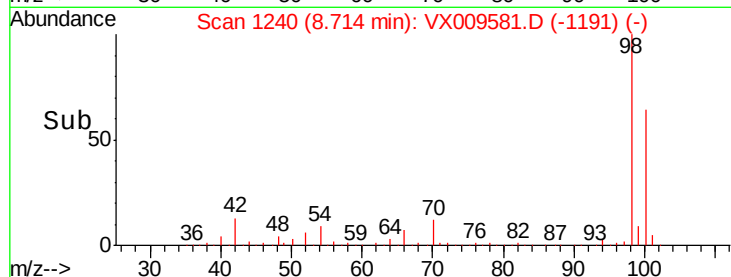
Tot Ion: 98 Resp: 361618
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

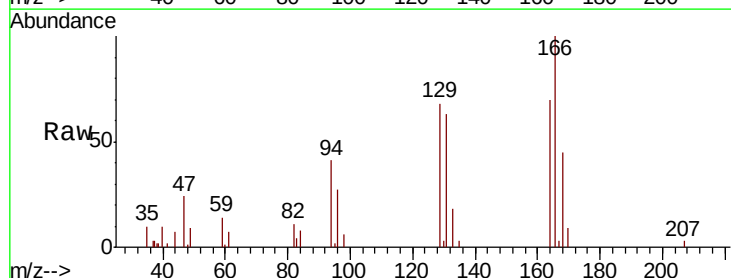


Time-->

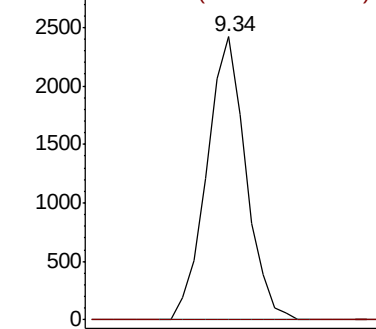


#60
Dibromochloromethane
Concen: 1.736 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009581.D
Acq: 15 May 2019 15:37

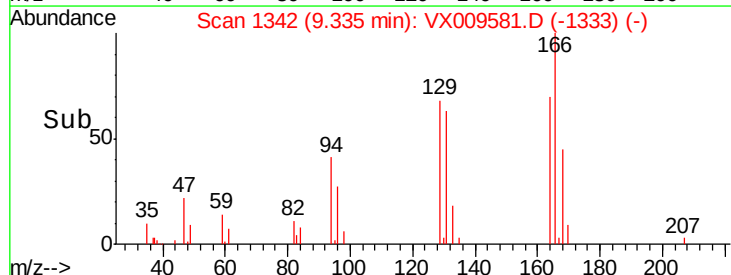
Tgt Ion:129 Resp: 3482
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

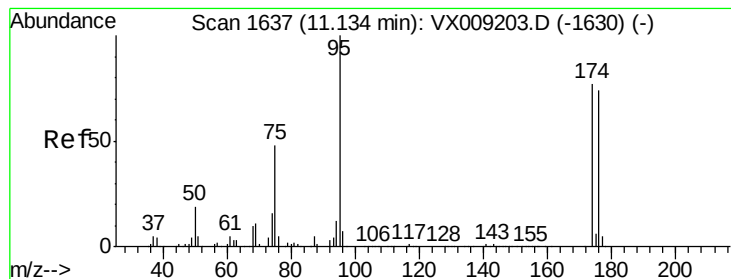


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 45.581 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

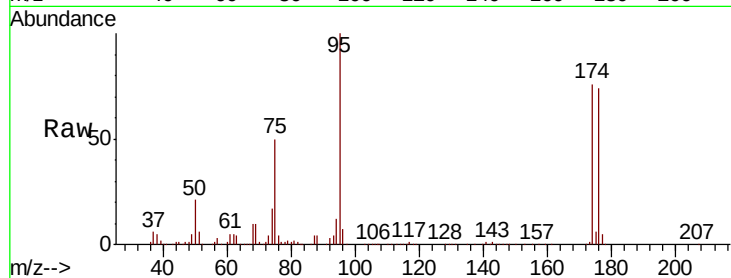
Tot Ion: 95 Resp: 121056

Ion Ratio Lower Upper

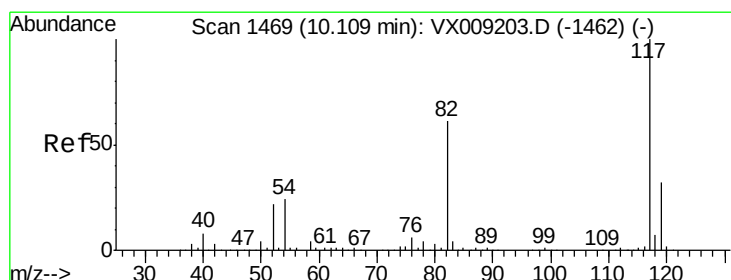
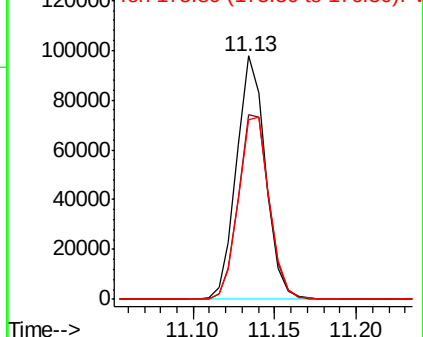
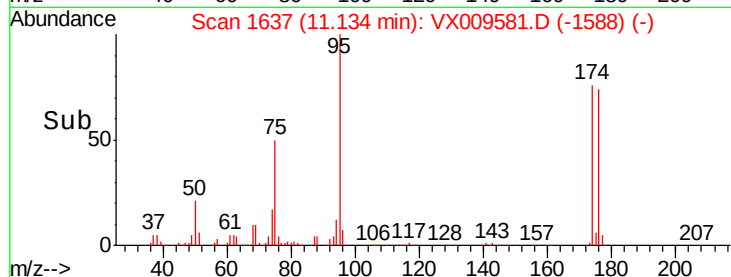
95 100

174 80.7 0.0 161.6

176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009581.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

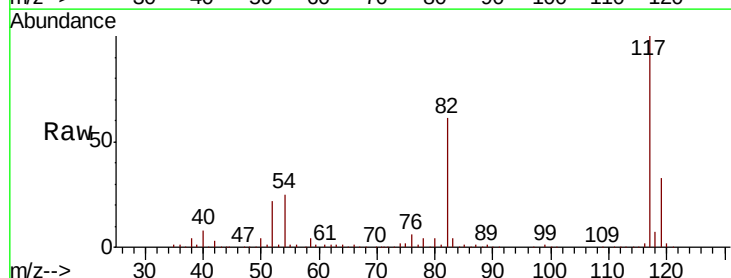
Tgt Ion: 117 Resp: 254087

Ion Ratio Lower Upper

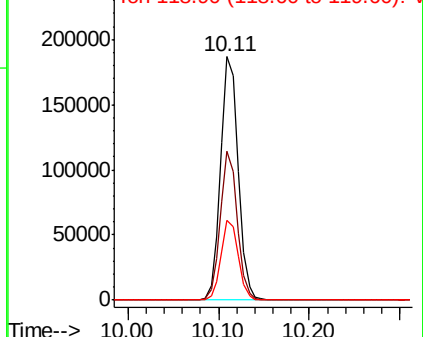
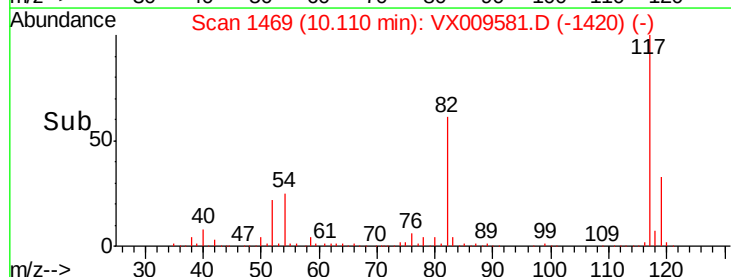
117 100

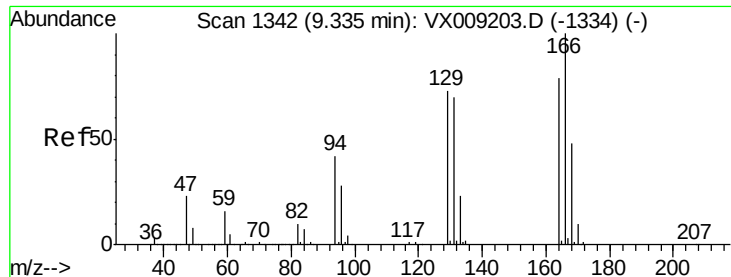
82 61.1 48.8 73.2

119 32.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009581.D (-1420) (-)





#64

Tetrachloroethene

Concen: 2.056 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 3584

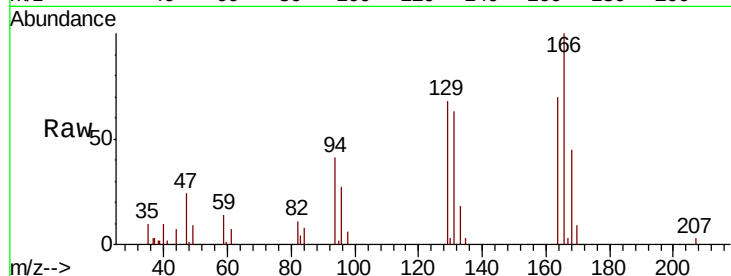
Ion Ratio Lower Upper

164 100

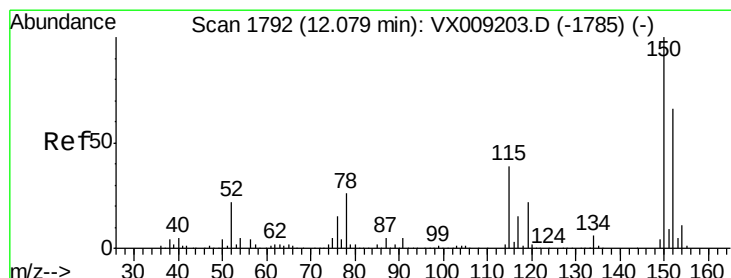
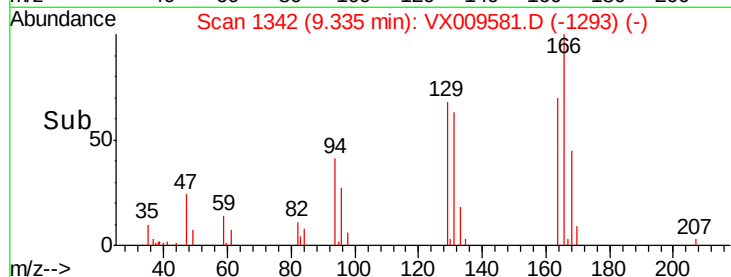
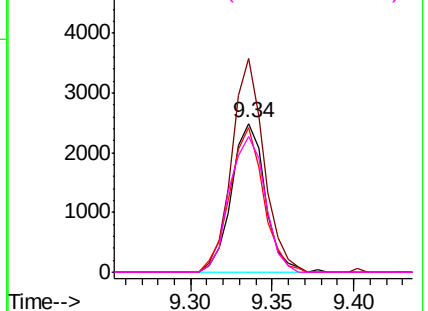
166 143.4 101.2 151.8

129 97.1 74.3 111.5

131 90.9 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: VX009581.D

Acq: 15 May 2019 15:37

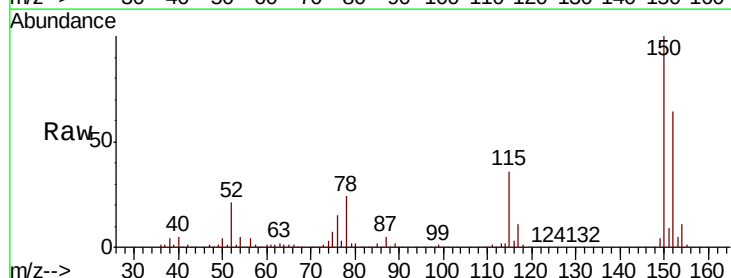
Tgt Ion:152 Resp: 111136

Ion Ratio Lower Upper

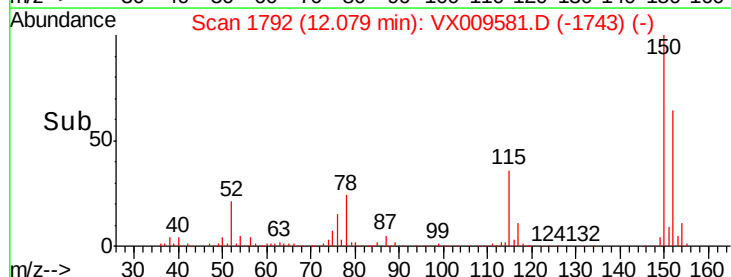
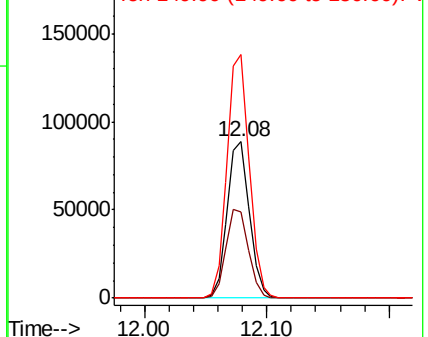
152 100

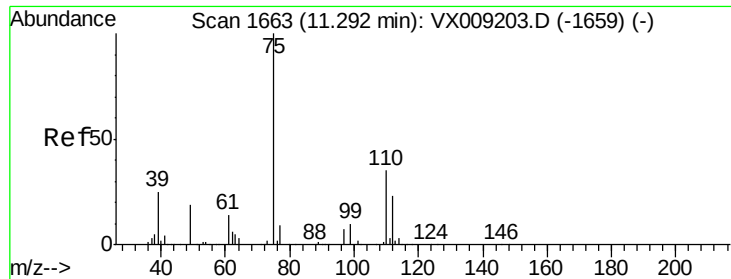
115 58.1 41.2 123.6

150 156.5 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: 23.660 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Instrument :

MSVOA_X

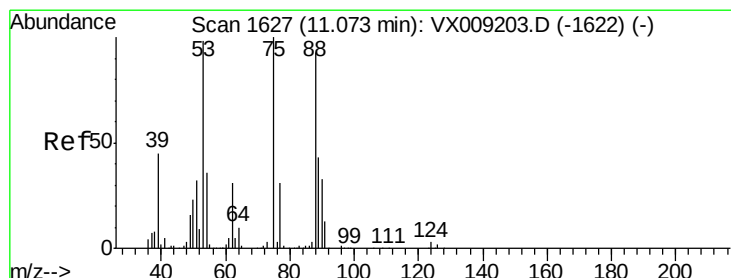
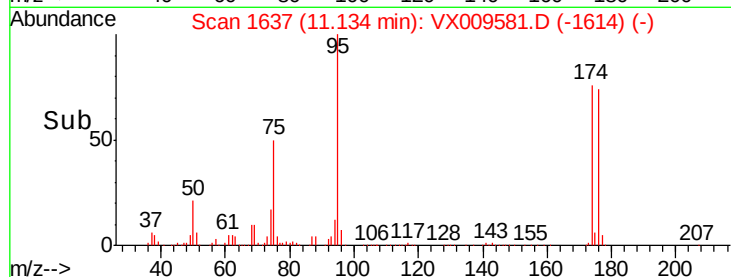
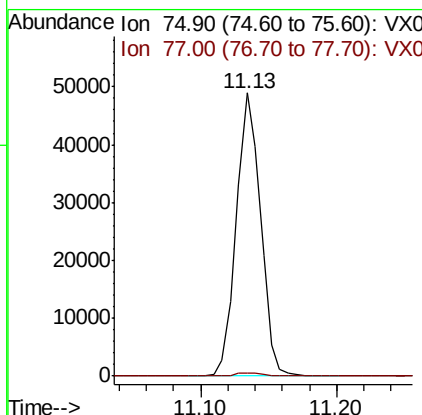
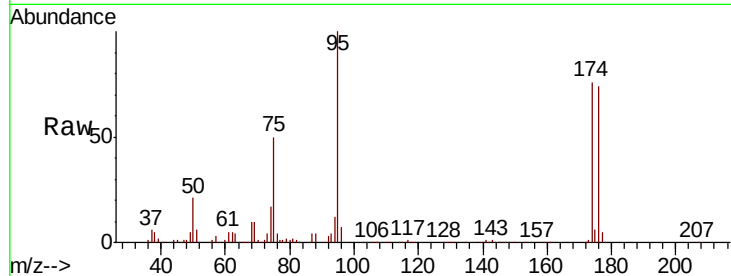
ClientSampled :

Tot Ion: 75 Resp: 60995

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.538 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009581.D

Acq: 15 May 2019 15:37

Tgt Ion: 75 Resp: 60995

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

