

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009761.D
 Acq On : 21 May 2019 20:28
 Operator : JC/SP
 Sample : K2973-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0158

Quant Time: May 22 07:08:32 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	178731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105262	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	121072	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.50	113	88323	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	361111	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	116537	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	

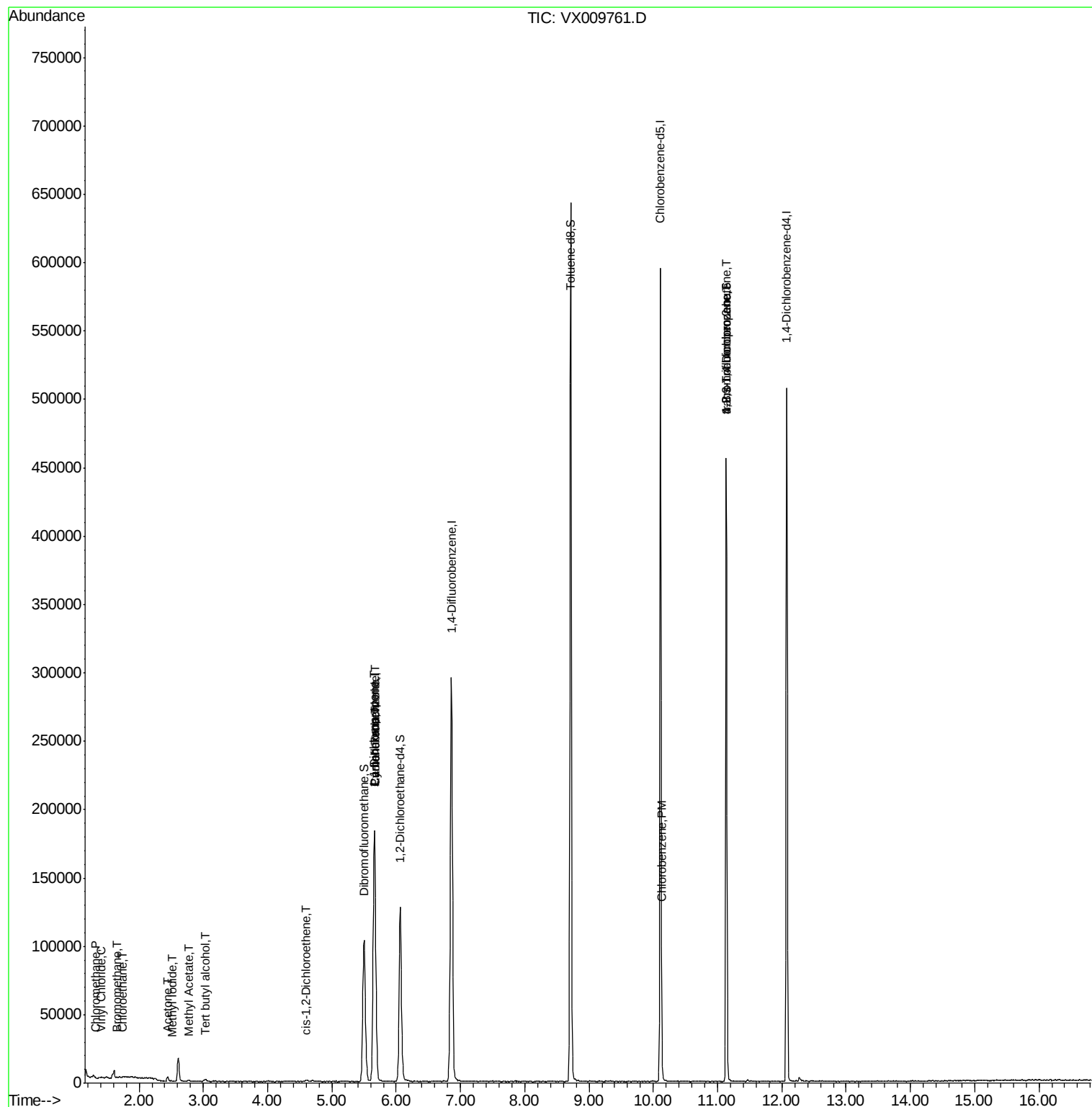
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	499	0.222	ug/l #	69
4) Vinyl Chloride	1.41	62	575	0.262	ug/l #	64
5) Bromomethane	1.65	94	329	0.250	ug/l #	61
6) Chloroethane	1.73	64	1091	0.775	ug/l #	49
10) Methyl Iodide	2.51	142	55	4.620	ug/l #	42
11) Tert butyl alcohol	3.04	59	1436	2.543	ug/l	95
16) Acetone	2.45	43	3755	2.866	ug/l	97
18) Methyl Acetate	2.78	43	665	0.213	ug/l #	70
27) cis-1,2-Dichloroethene	4.59	96	511	0.235	ug/l	82
28) Bromochloromethane	5.04	49	59	Below Cal	#	20
31) Cyclohexane	5.67	56	4299	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13988	5.268	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17033	7.061	ug/l #	15
65) Chlorobenzene	10.13	112	1747	0.346	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	60111	24.619	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60111	62.990	ug/l #	10

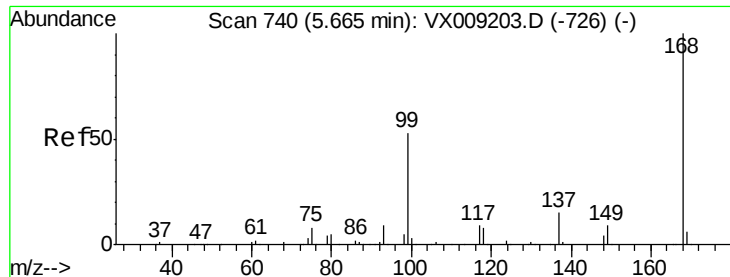
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
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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: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

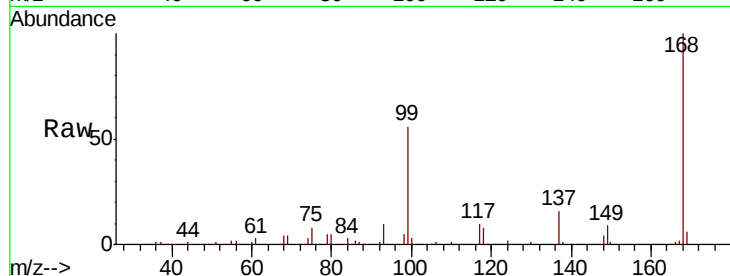
S36-0158

Tot Ion:168 Resp: 178731

Ion Ratio Lower Upper

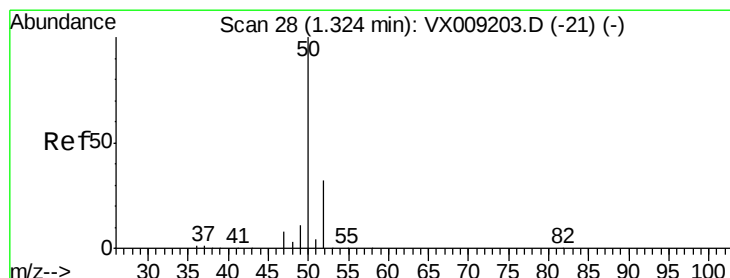
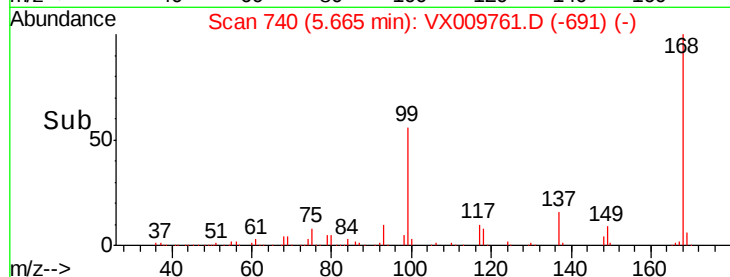
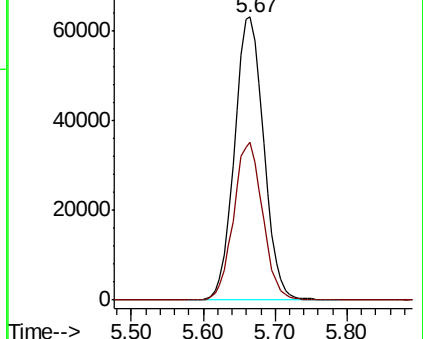
168 100

99 55.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009761.D

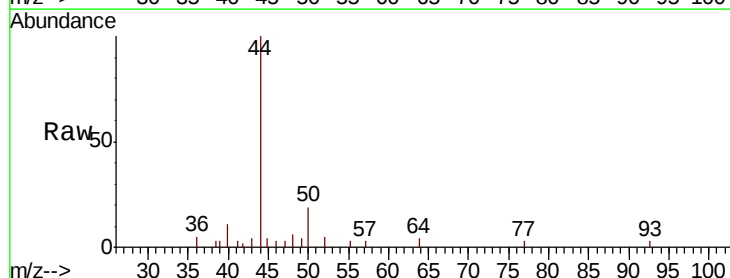
Acq: 21 May 2019 20:28

Tgt Ion: 50 Resp: 499

Ion Ratio Lower Upper

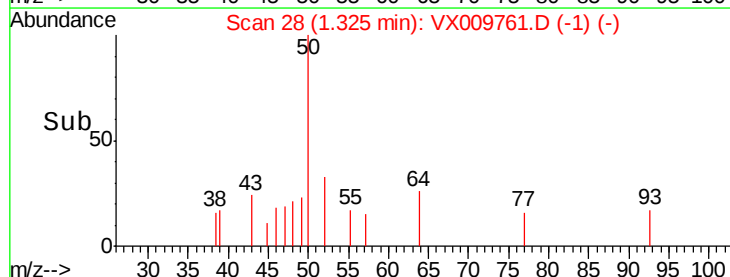
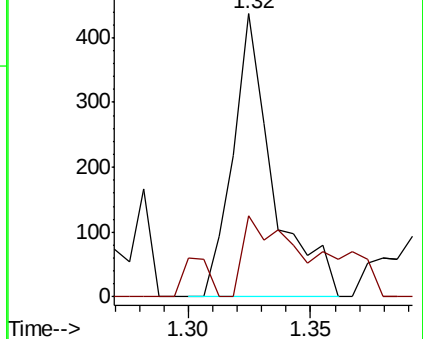
50 100

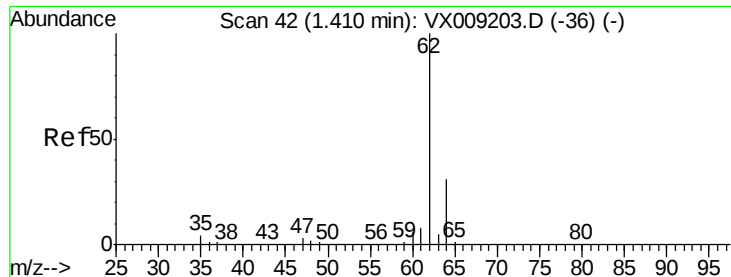
52 15.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.262 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

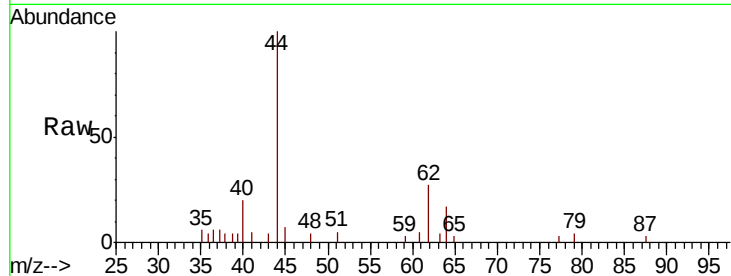
S36-0158

Tot Ion: 62 Resp: 575

Ion Ratio Lower Upper

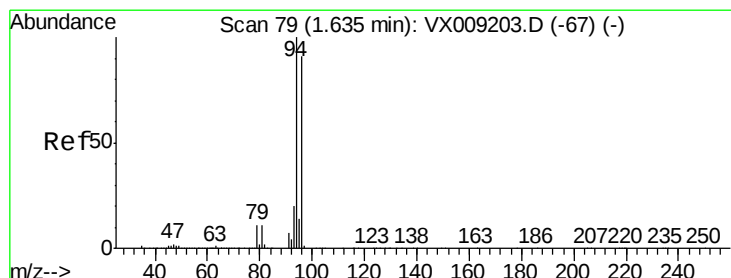
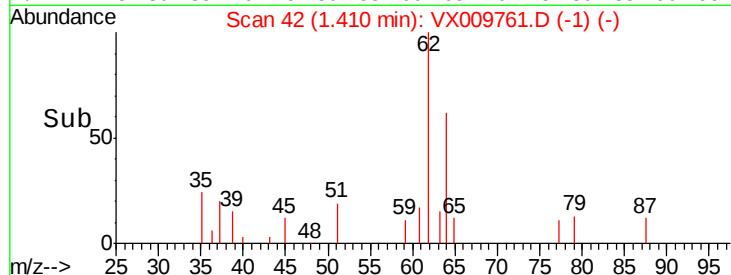
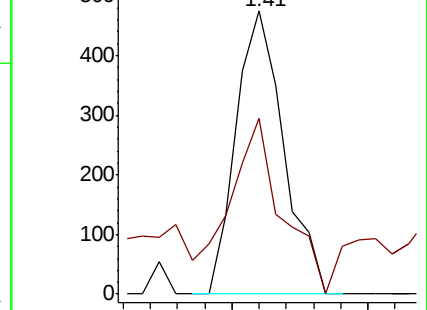
62 100

64 50.4 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009761.D

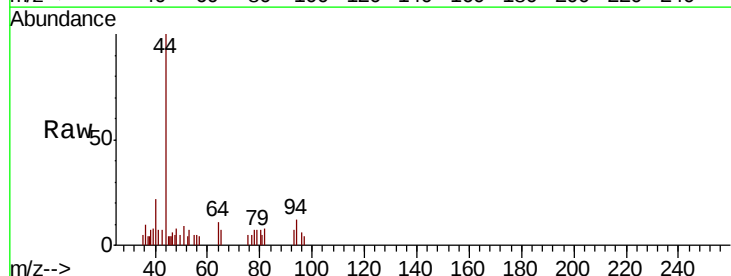
Acq: 21 May 2019 20:28

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

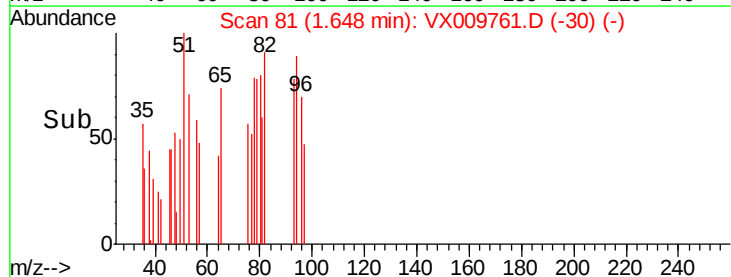
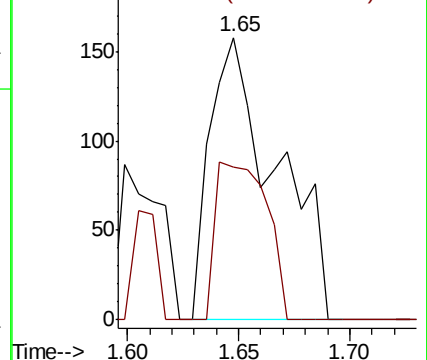
94 100

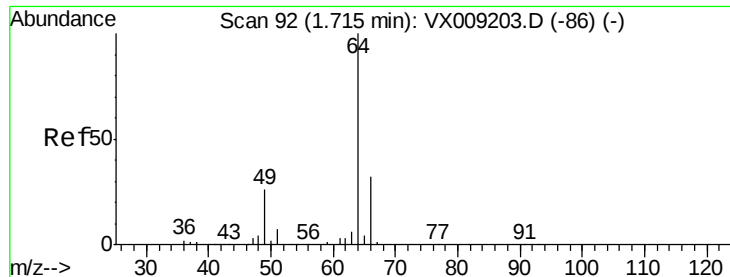
96 53.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.775 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

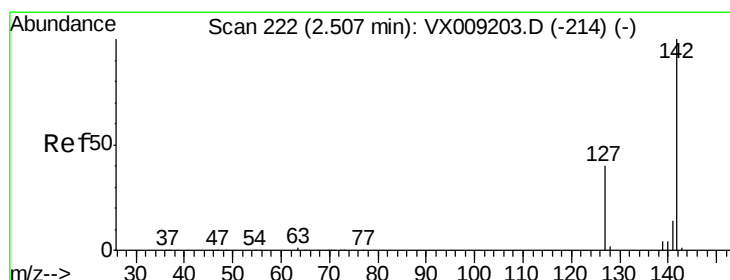
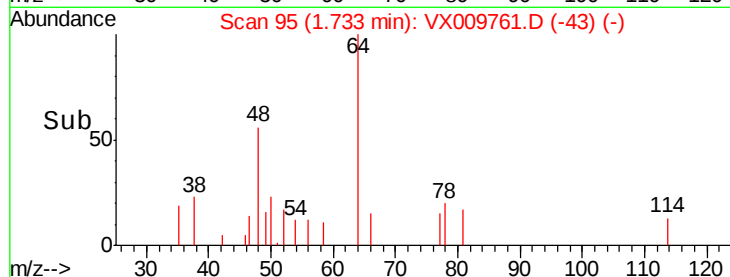
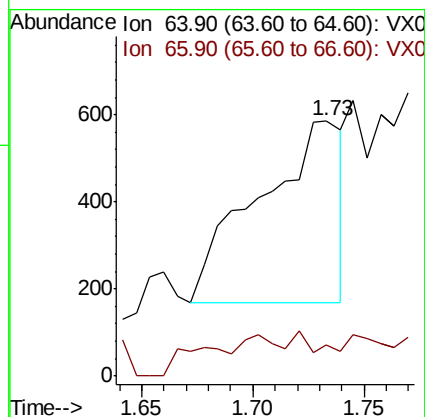
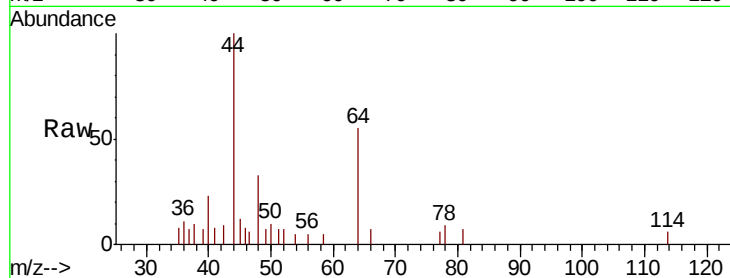
S36-0158

Tot Ion: 64 Resp: 1091

Ion Ratio Lower Upper

64 100

66 3.3 25.3 37.9#



#10

Methyl Iodide

Concen: 4.620 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

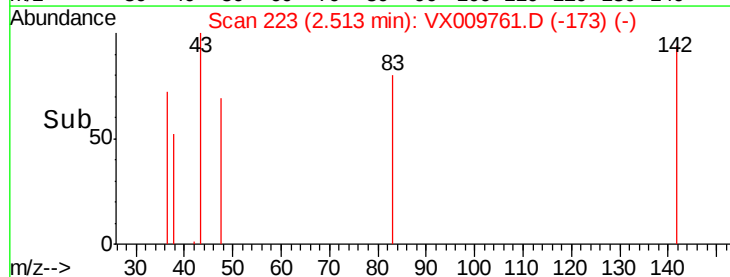
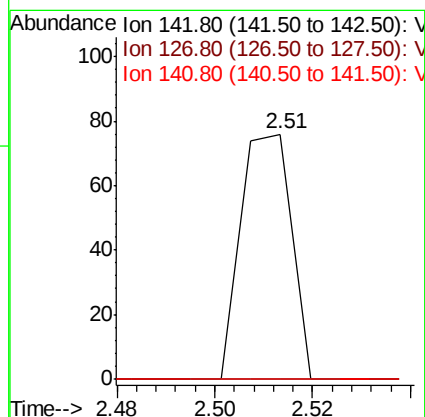
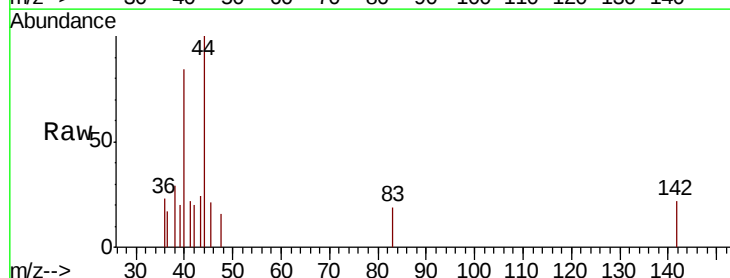
Tgt Ion: 142 Resp: 55

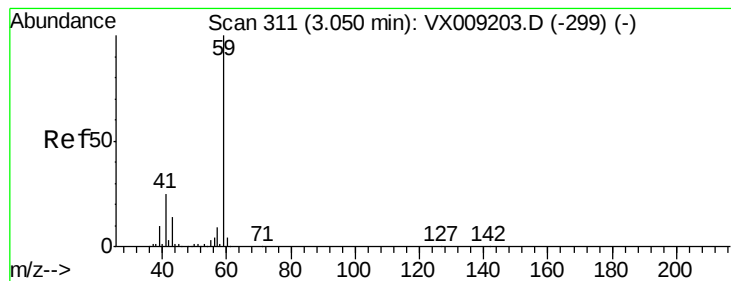
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



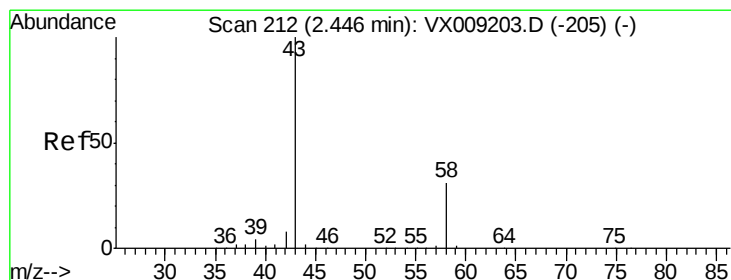
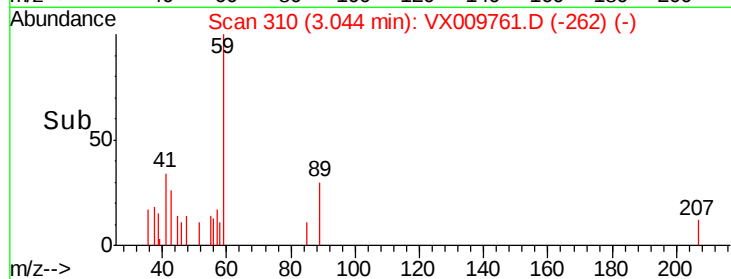
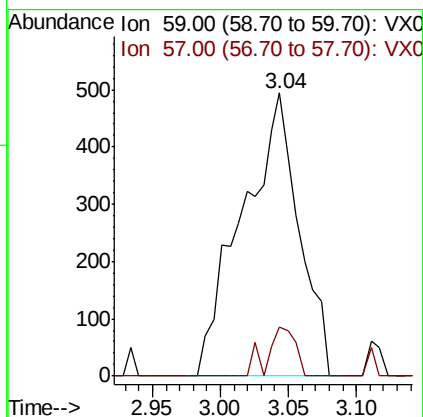
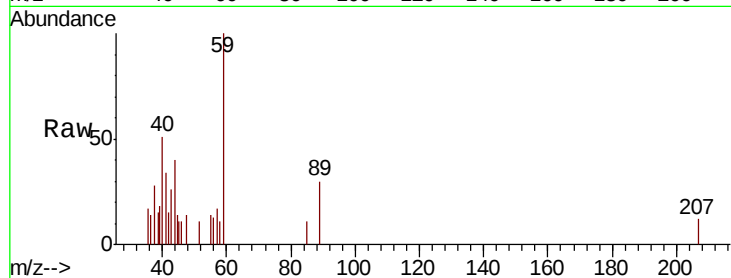


#11

Tert butyl alcohol
 Concen: 2.543 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009761.D
 Acq: 21 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0158

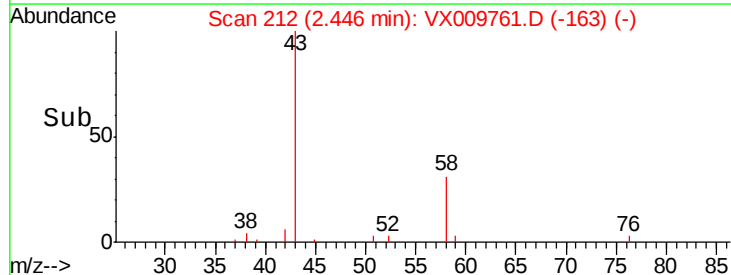
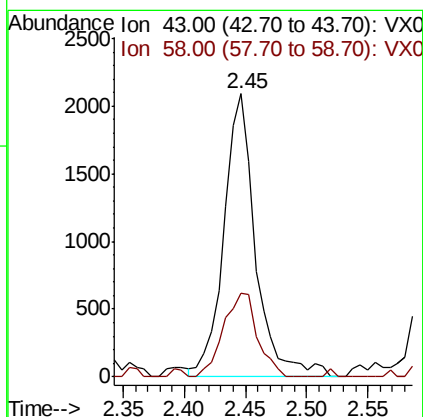
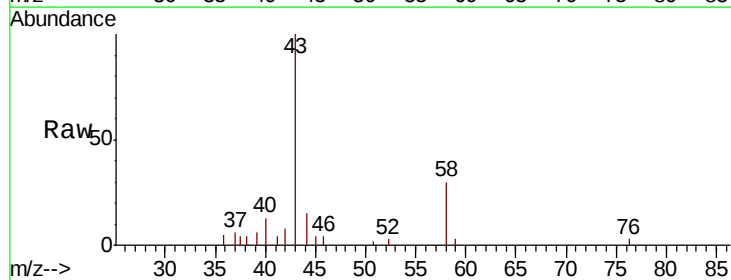
Tot Ion: 59 Resp: 1436
 Ion Ratio Lower Upper
 59 100
 57 8.5 8.2 12.2

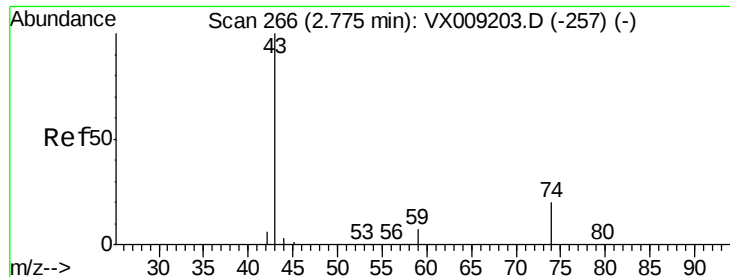


#16

Acetone
 Concen: 2.866 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009761.D
 Acq: 21 May 2019 20:28

Tgt Ion: 43 Resp: 3755
 Ion Ratio Lower Upper
 43 100
 58 29.5 24.9 37.3

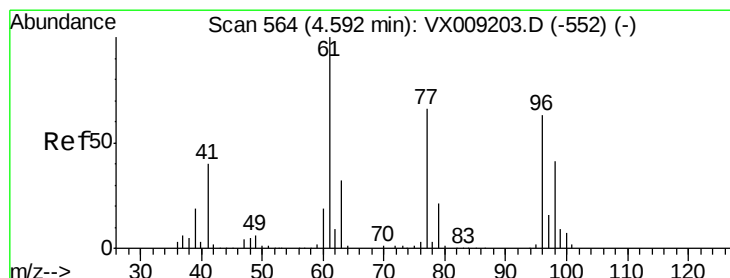
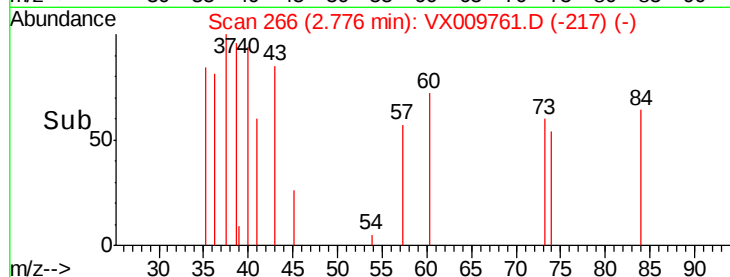
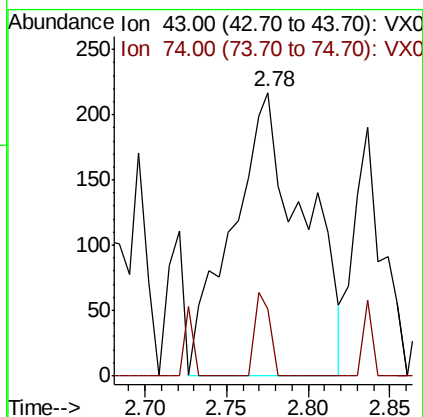
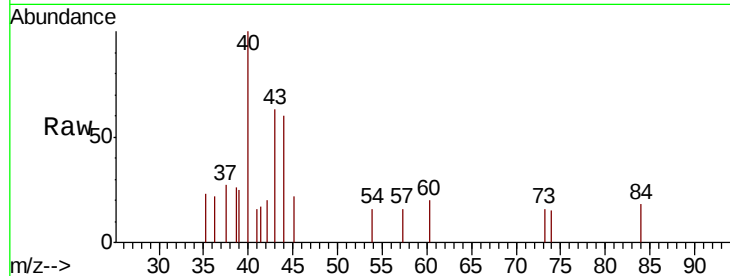




#18
Methvl Acetate
Concen: 0.213 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

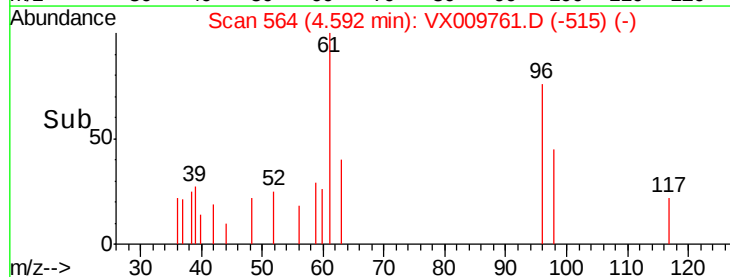
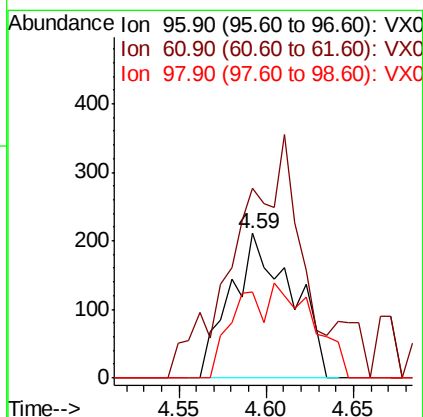
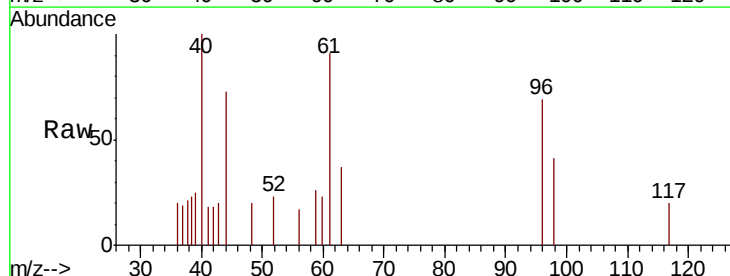
Instrument :
MSVOA_X
ClientSampled :
S36-0158

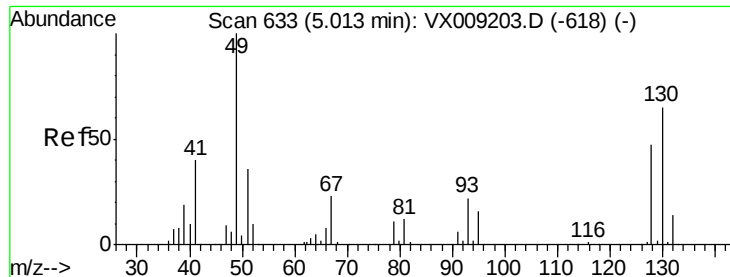
Tot Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
74 6.3 16.2 24.4#



#27
cis-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Tgt Ion: 96 Resp: 511
Ion Ratio Lower Upper
96 100
61 174.6 0.0 324.0
98 33.9 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S36-0158

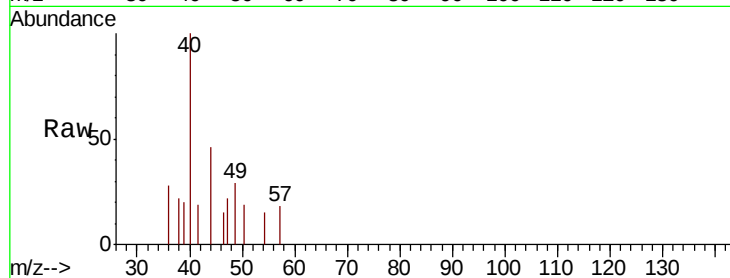
Tot Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

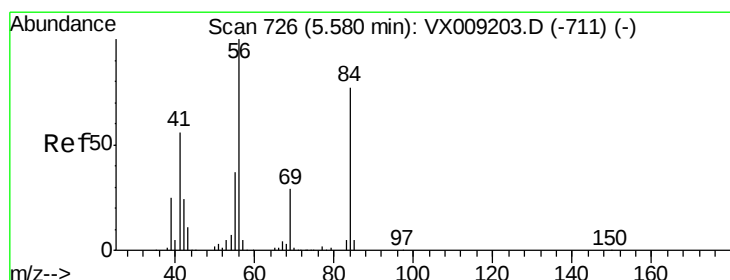
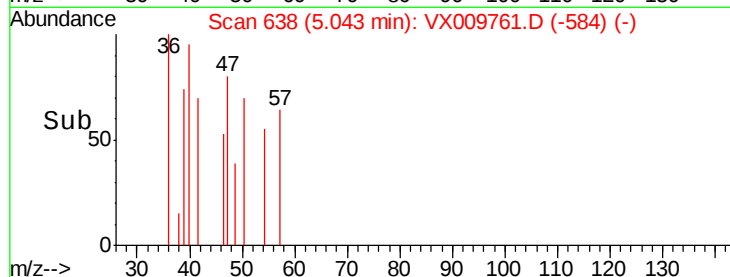
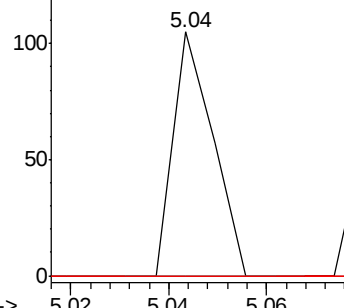
130 0.0 51.2 76.8#



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: 1.192 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

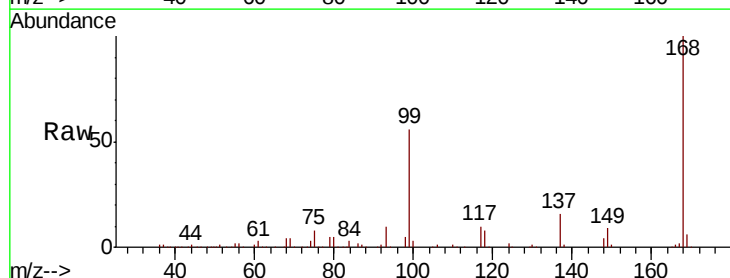
Tgt Ion: 56 Resp: 4299

Ion Ratio Lower Upper

56 100

69 168.1 23.4 35.0#

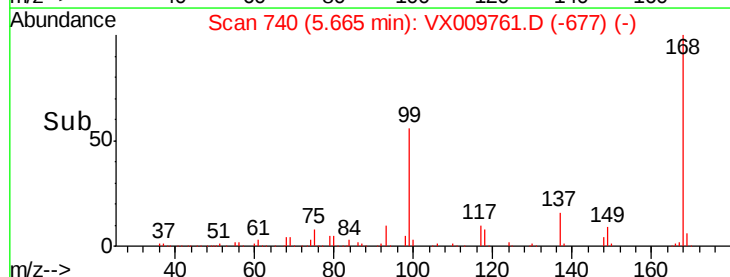
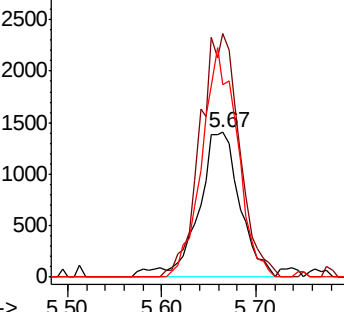
84 132.9 61.9 92.9#

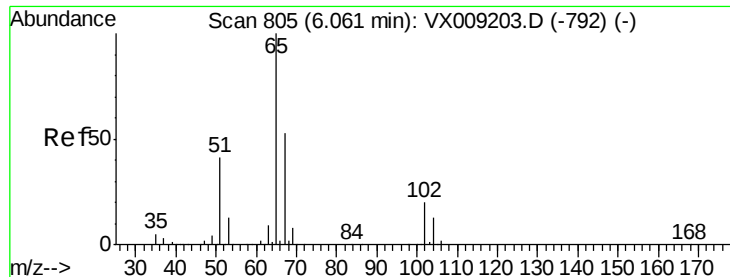


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.622 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

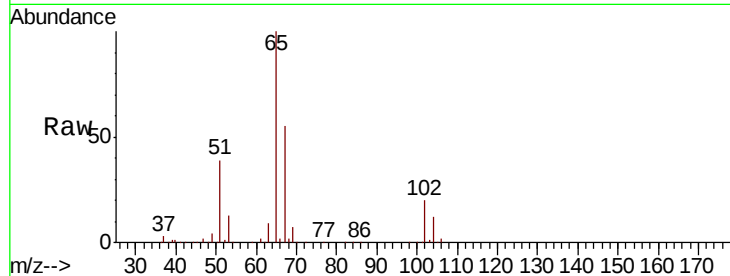
S36-0158

Tot Ion: 65 Resp: 121072

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

6.06

50000

40000

30000

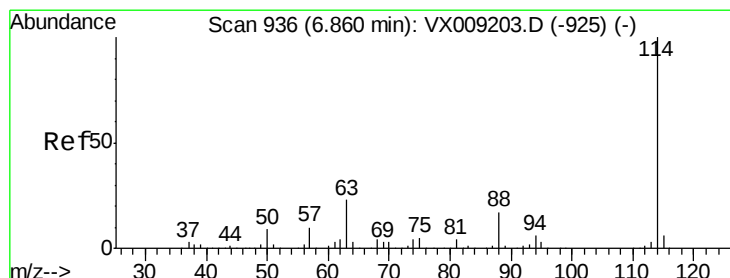
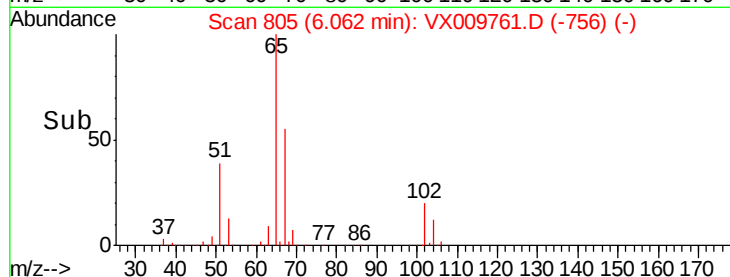
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

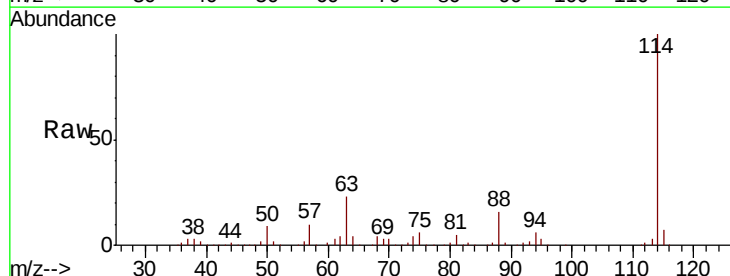
Tgt Ion: 114 Resp: 285712

Ion Ratio Lower Upper

114 100

63 23.2 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

6.86

150000

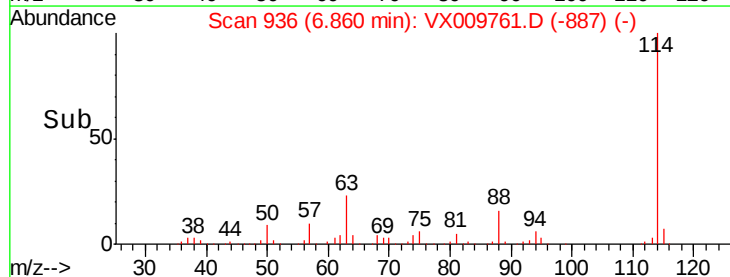
100000

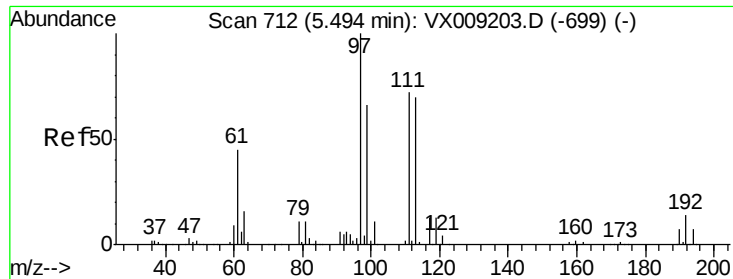
50000

0

6.80 6.90 7.00

Time-->

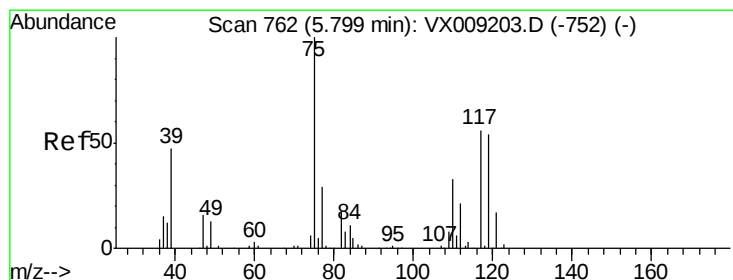
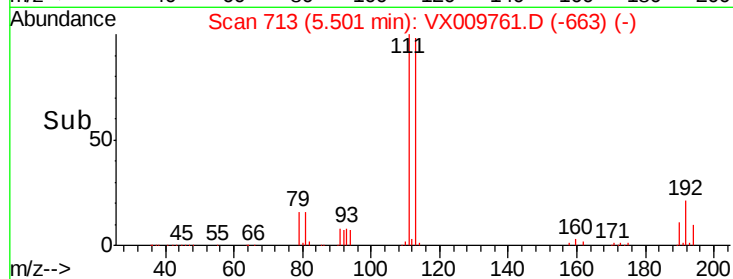
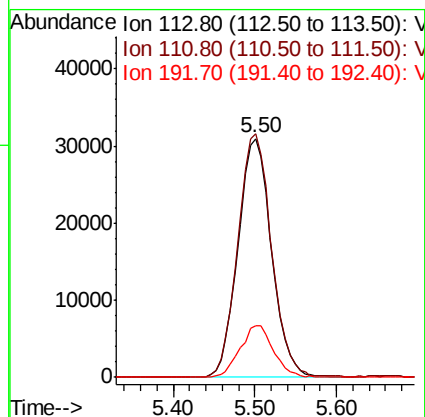
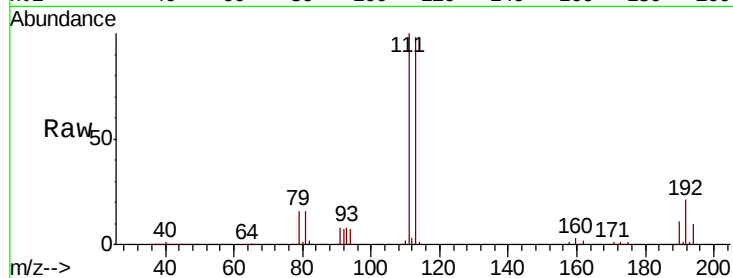




#35
Dibromofluoromethane
Concen: 49.175 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

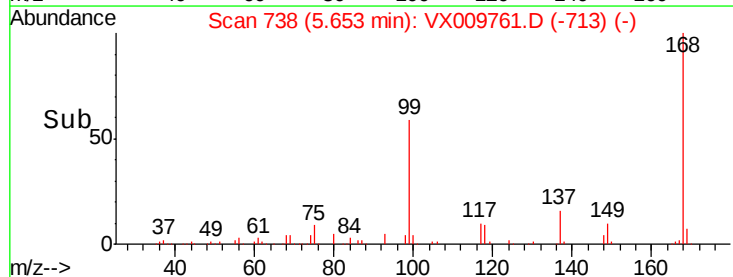
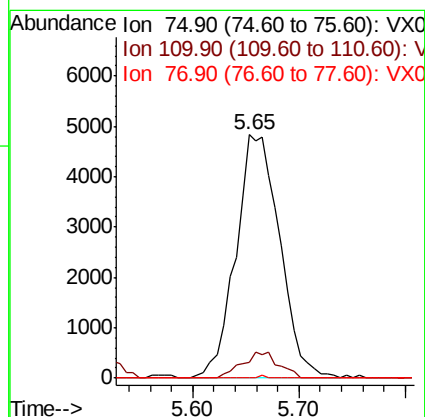
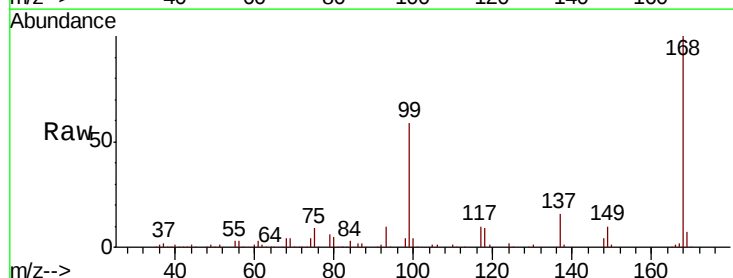
Instrument :
MSVOA_X
ClientSampleId :
S36-0158

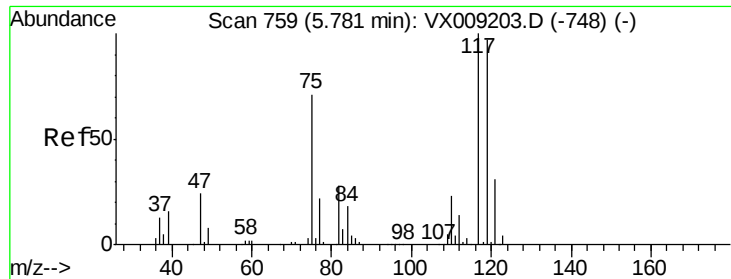
Tot Ion:113 Resp: 88323
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.268 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Tgt Ion: 75 Resp: 13988
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.2 24.8 37.2#

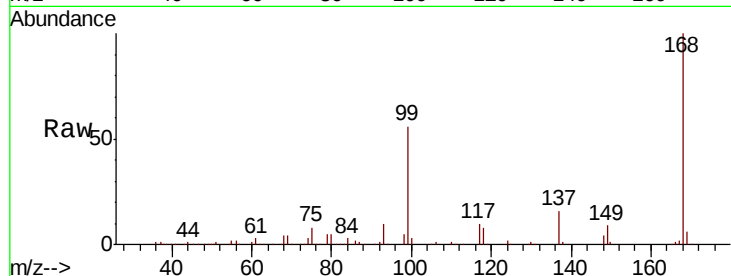




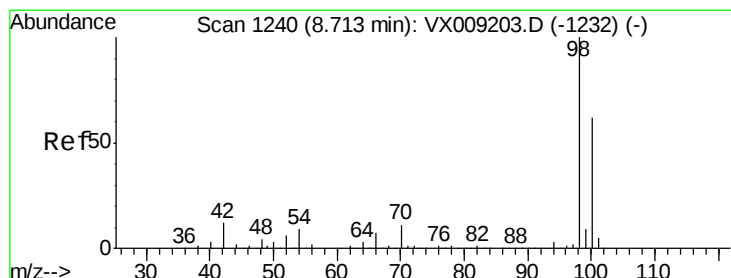
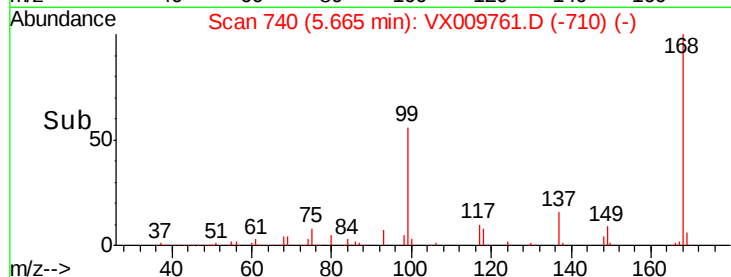
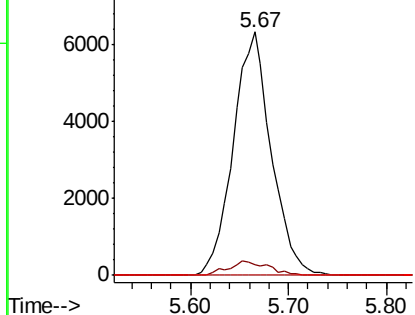
#38
Carbon Tetrachloride
Concen: 7.061 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S36-0158

Tot Ion:117 Resp: 17033
Ion Ratio Lower Upper
117 100
119 4.6 77.5 116.3#
121 0.0 24.7 37.1#

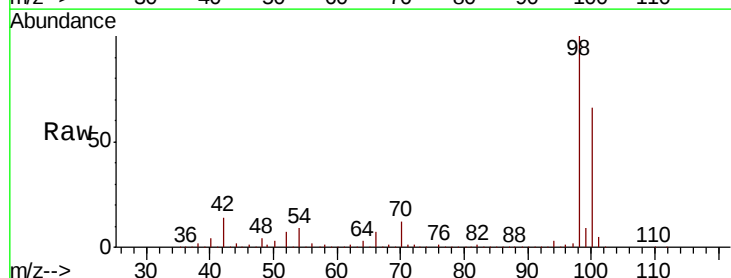


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

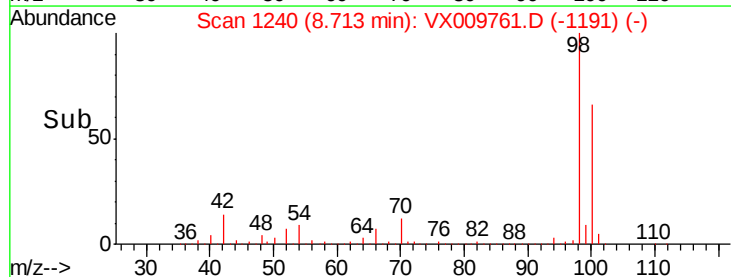
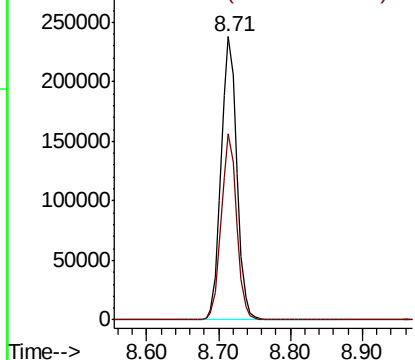


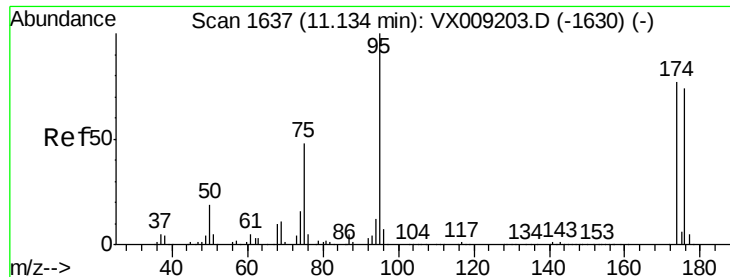
#50
Toluene-d8
Concen: 49.799 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Tgt Ion: 98 Resp: 361111
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 44.229 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S36-0158

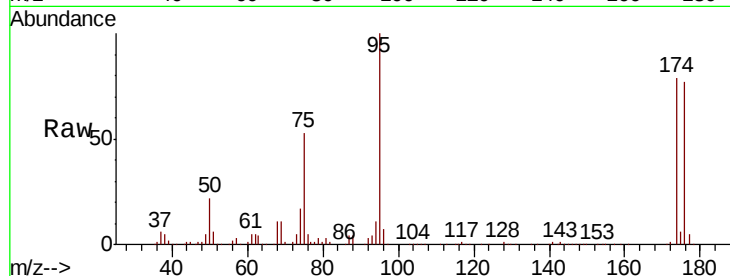
Tot Ion: 95 Resp: 116537

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

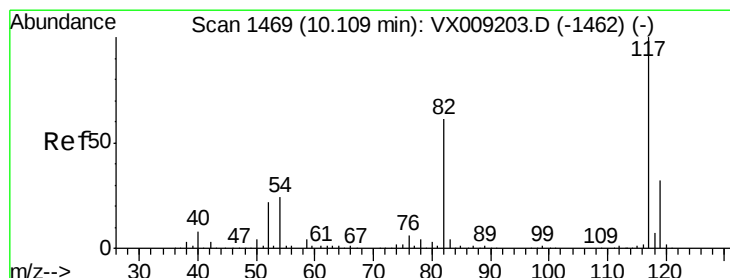
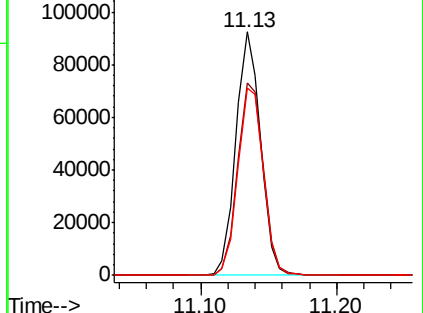
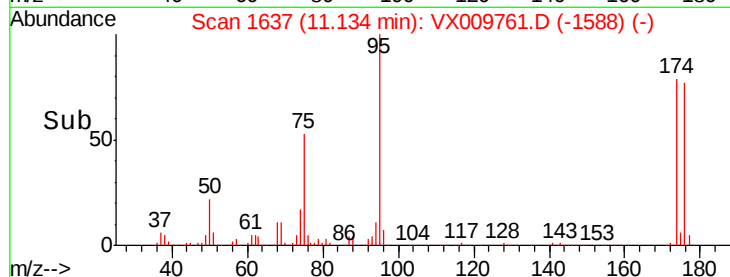
176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009761.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009761.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009761.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009761.D

Acq: 21 May 2019 20:28

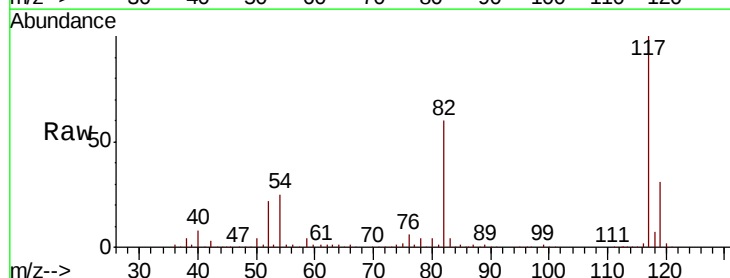
Tgt Ion: 117 Resp: 252477

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

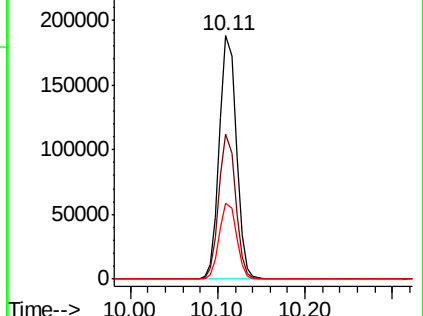
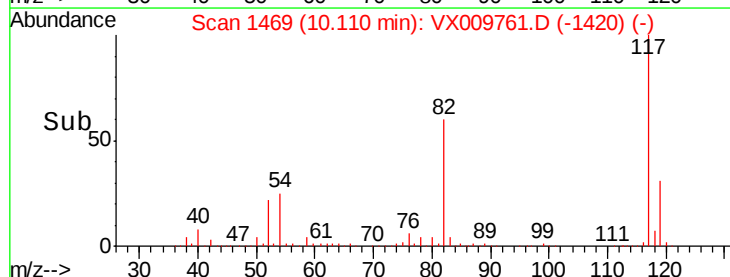
119 31.5 25.8 38.6

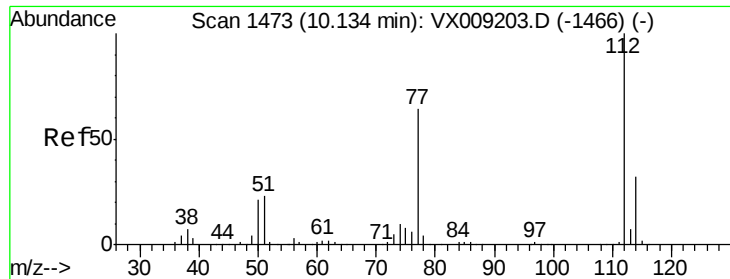


Abundance Ion 116.90 (116.60 to 117.60): VX009761.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009761.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009761.D (-1420) (-)

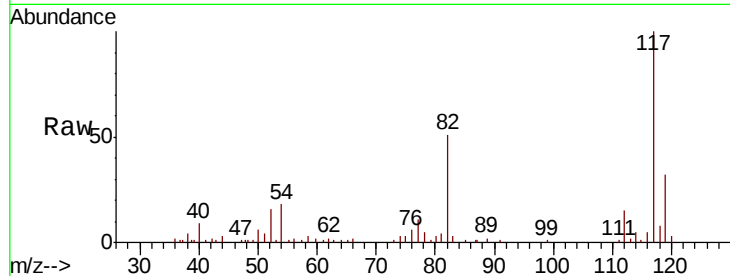




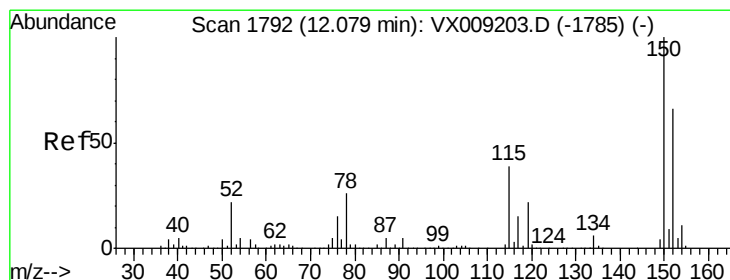
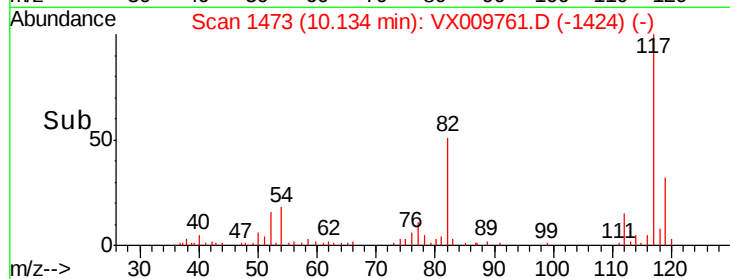
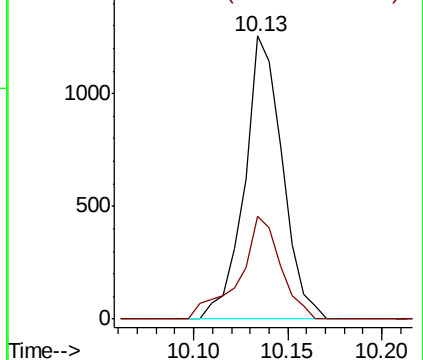
#65
Chlorobenzene
Concen: 0.346 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Instrument :
MSVOA_X
ClientSampled :
S36-0158

Tot Ion:112 Resp: 1747
Ion Ratio Lower Upper
112 100
114 36.1 25.5 38.3

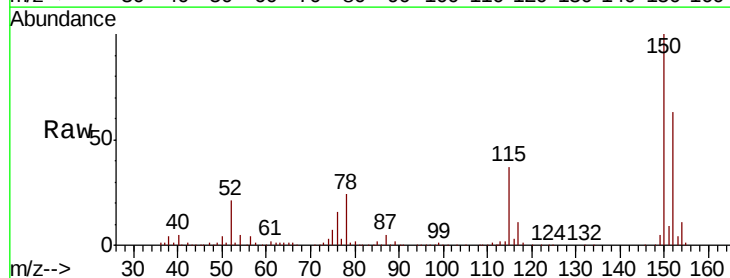


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

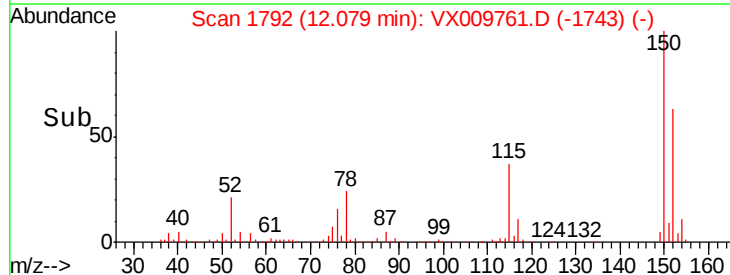
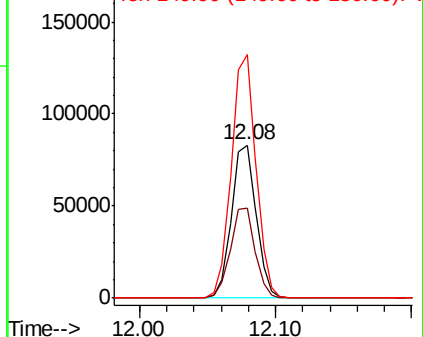


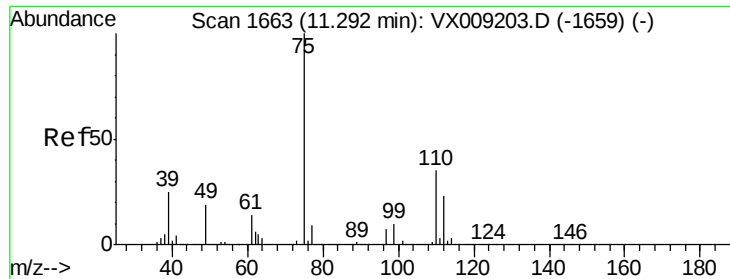
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009761.D
Acq: 21 May 2019 20:28

Tgt Ion:152 Resp: 105262
Ion Ratio Lower Upper
152 100
115 59.1 41.2 123.6
150 158.2 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

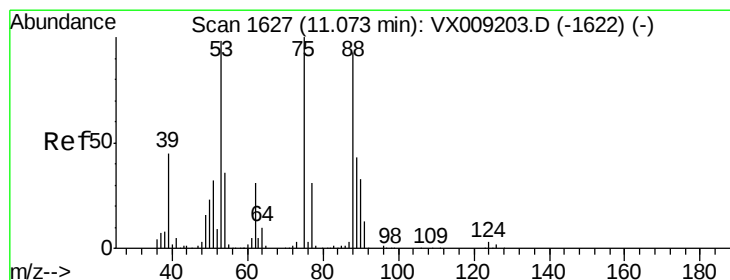
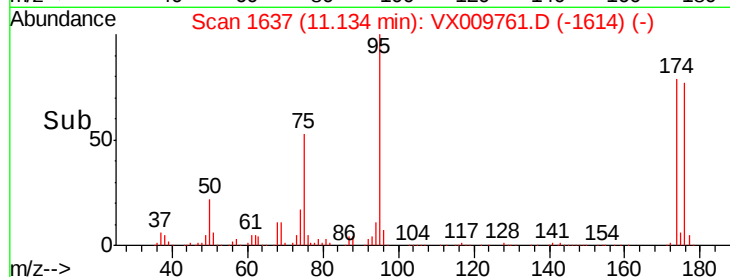
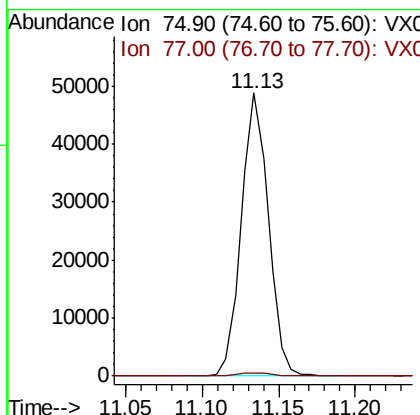
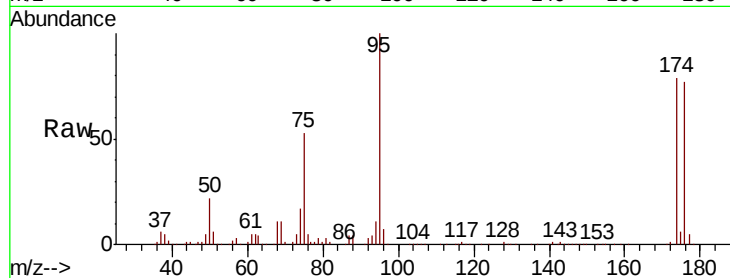




#76
 1,2,3-Trichloropropane
 Concen: 24.619 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009761.D
 Acq: 21 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0158

Tot Ion: 75 Resp: 60111
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.990 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009761.D
 Acq: 21 May 2019 20:28

Tgt Ion: 75 Resp: 60111
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.0 118.6#
 89 0.0 34.7 52.1#

