

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\
 Data File : VX009871.D
 Acq On : 23 May 2019 20:12
 Operator : JC/SP
 Sample : K3000-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

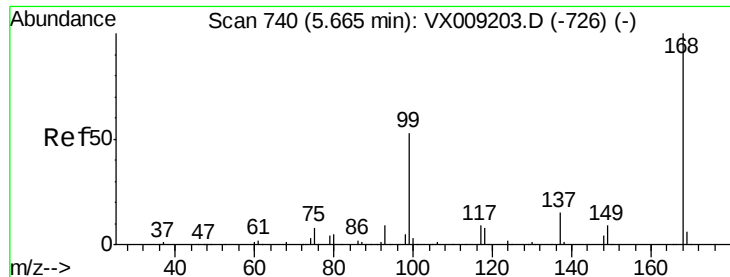
Quant Time: May 24 03:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	183738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	293398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117475	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	125129	49.89	ug/l	0.00
Spiked Amount						
			Recovery	=	99.78%	
35) Dibromofluoromethane	5.50	113	88931	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	373543	50.16	ug/l	0.00
Spiked Amount						
			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	128969	47.67	ug/l	0.00
Spiked Amount						
			Recovery	=	95.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	8945	3.968	ug/l	94
5) Bromomethane	1.65	94	320	0.237	ug/l #	79
6) Chloroethane	1.73	64	302	0.209	ug/l	96
11) Tert butyl alcohol	3.03	59	1139	1.962	ug/l #	83
16) Acetone	2.45	43	5097	3.784	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	6507	3.480	ug/l	95
25) 2-Butanone	4.71	43	455	0.217	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	69231	31.022	ug/l	92
28) Bromochloromethane	4.98	49	21	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	14737	5.405	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17505	7.066	ug/l #	16
40) Benzene	6.14	78	21358	2.531	ug/l	99
44) Trichloroethene	7.21	130	568	0.278	ug/l	64
65) Chlorobenzene	10.14	112	236994	44.713	ug/l	99
67) Ethyl Benzene	10.25	91	2292	0.235	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	66888	24.546	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66888	62.805	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	10238	2.687	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009871.D

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MSVOA_X

ClientSampleId :

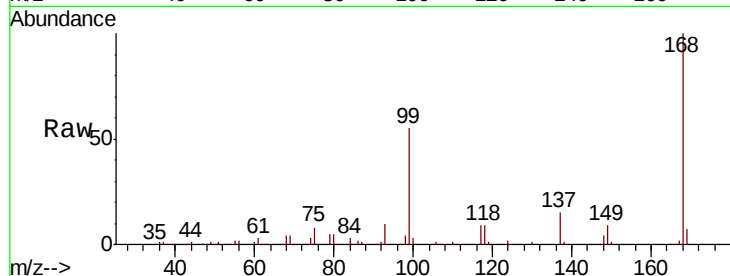
S36-0155

Tot Ion:168 Resp: 183738

Ion Ratio Lower Upper

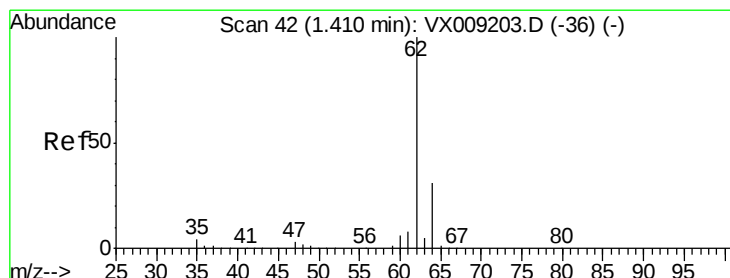
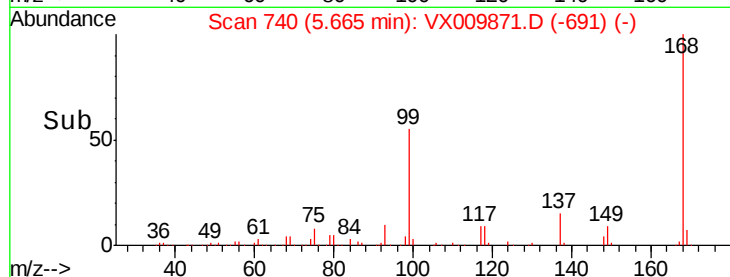
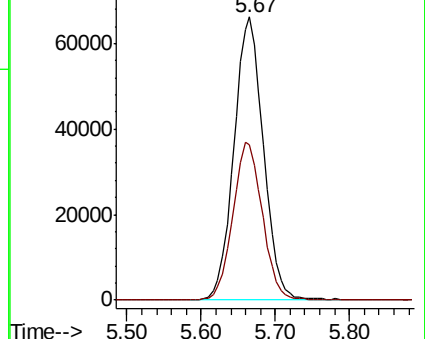
168 100

99 54.7 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: 3.968 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009871.D

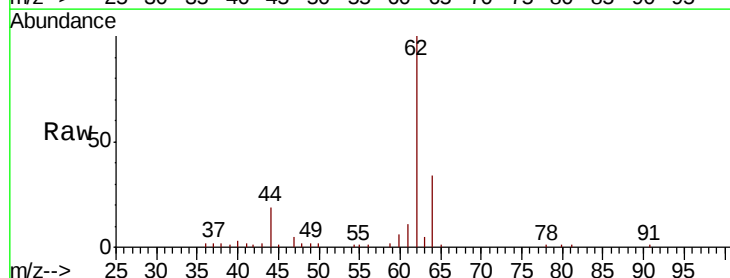
Acq: 23 May 2019 20:12

Tgt Ion: 62 Resp: 8945

Ion Ratio Lower Upper

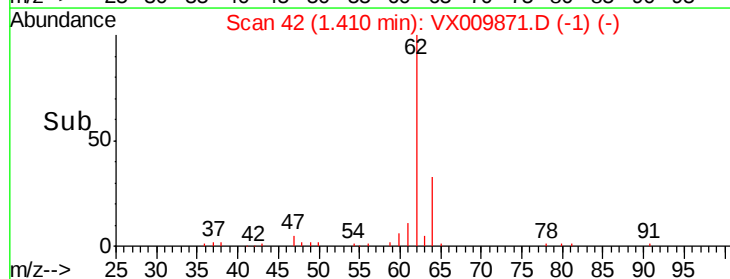
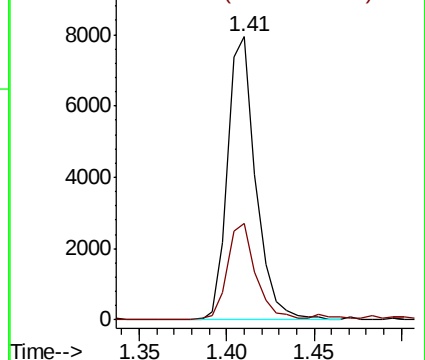
62 100

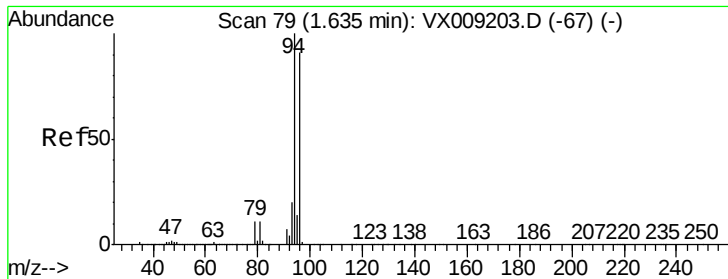
64 34.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.237 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampled :

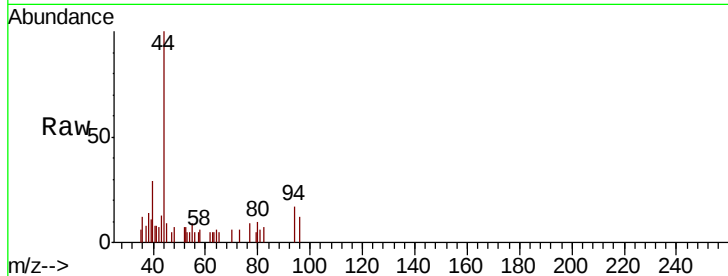
S36-0155

Tot Ion: 94 Resp: 320

Ion Ratio Lower Upper

94 100

96 70.9 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

150

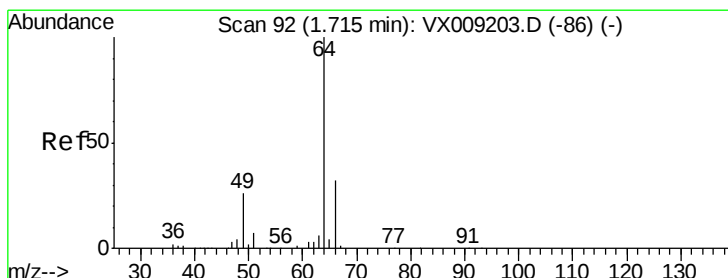
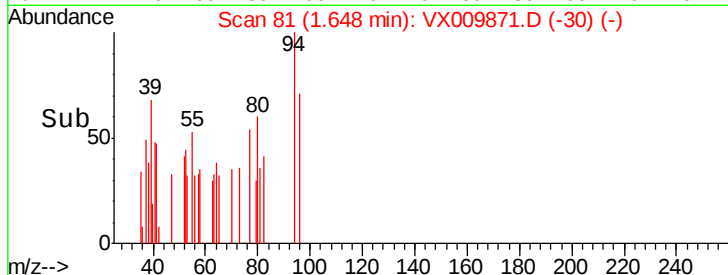
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009871.D

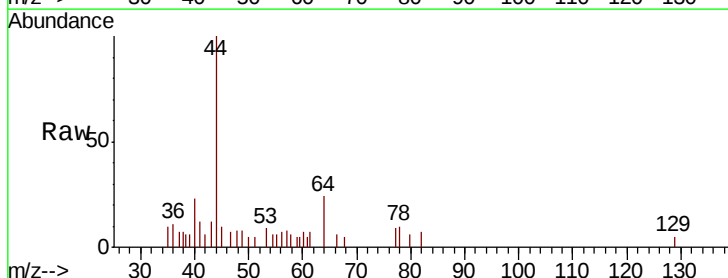
Acq: 23 May 2019 20:12

Tgt Ion: 64 Resp: 302

Ion Ratio Lower Upper

64 100

66 33.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

300

250

200

150

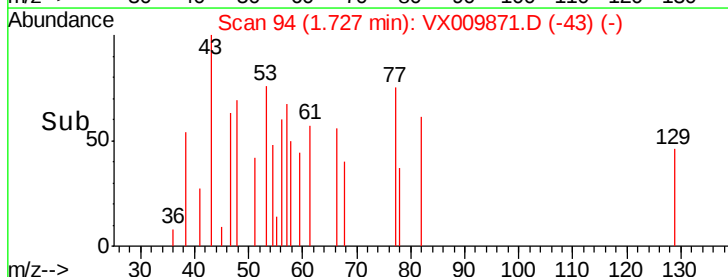
100

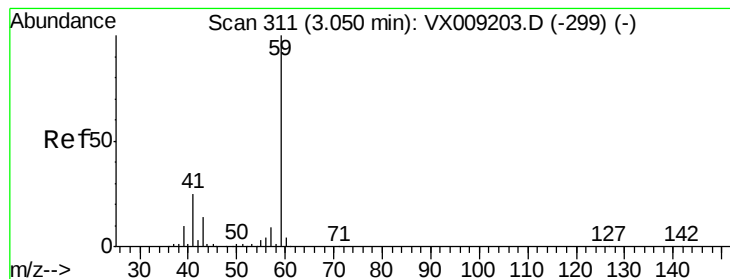
50

0

1.70 1.75

Time-->





#11

Tert butyl alcohol

Concen: 1.962 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampleId :

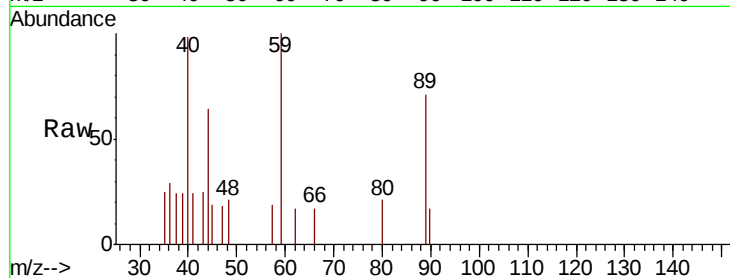
S36-0155

Tot Ion: 59 Resp: 1139

Ion Ratio Lower Upper

59 100

57 3.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

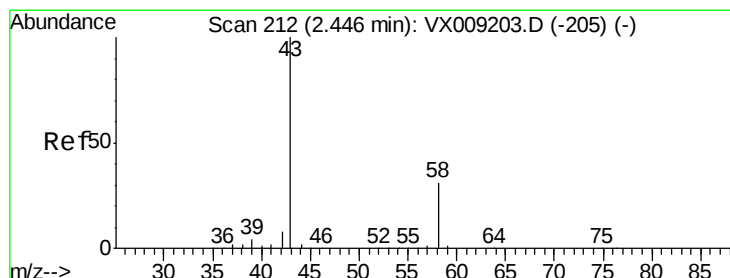
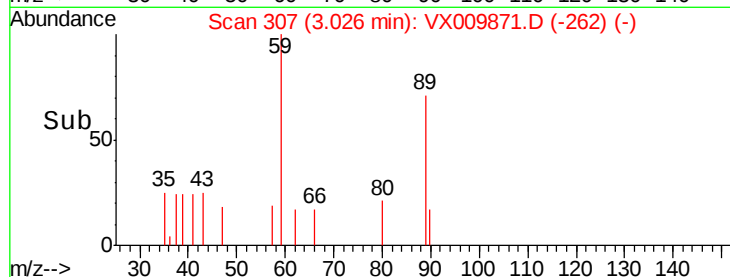
300

200

100

0

Time-->



#16

Acetone

Concen: 3.784 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009871.D

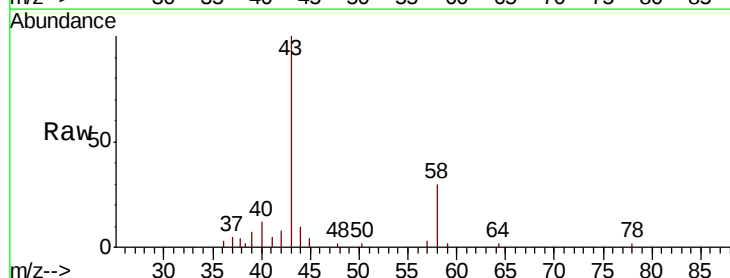
Acq: 23 May 2019 20:12

Tgt Ion: 43 Resp: 5097

Ion Ratio Lower Upper

43 100

58 30.1 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

3000

2500

2000

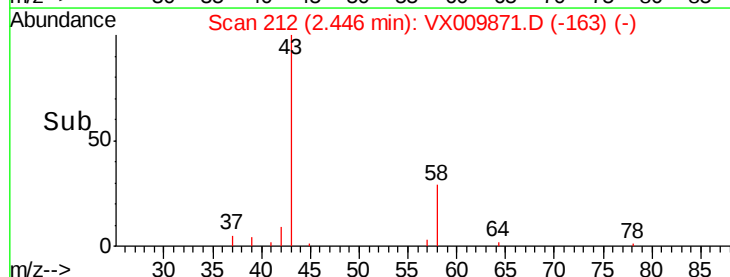
1500

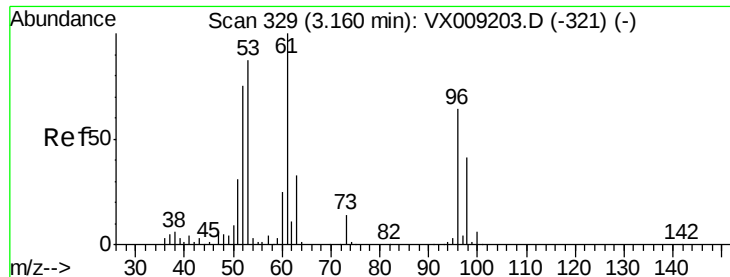
1000

500

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 3.480 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0155

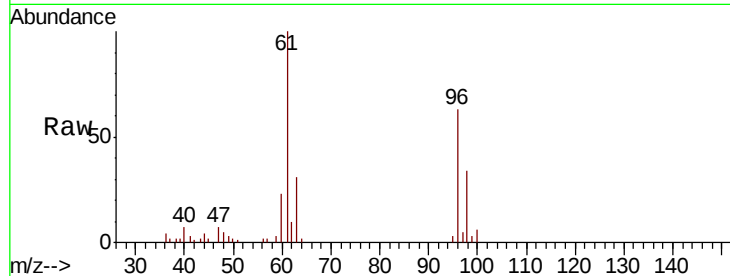
Tot Ion: 96 Resp: 6507

Ion Ratio Lower Upper

96 100

61 158.7 124.5 186.7

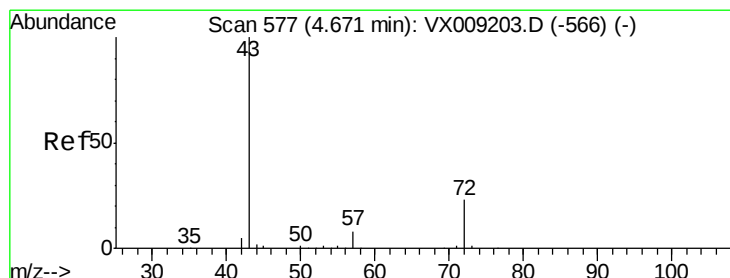
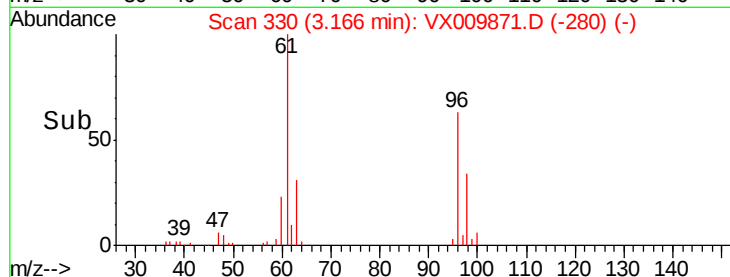
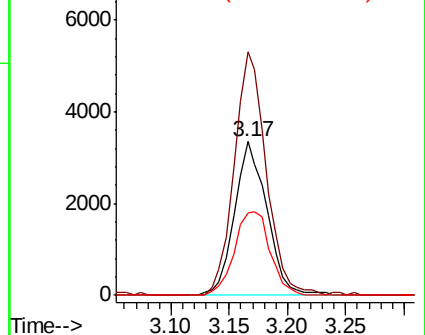
98 53.5 50.4 75.6



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



#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX009871.D

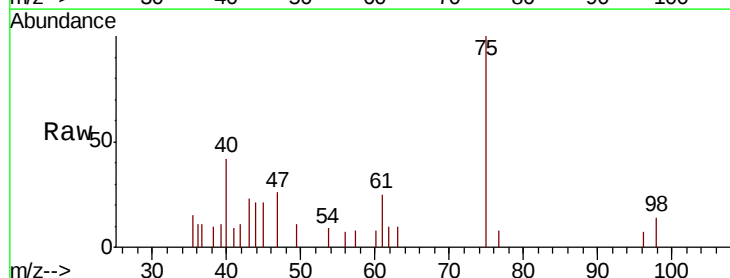
Acq: 23 May 2019 20:12

Tgt Ion: 43 Resp: 455

Ion Ratio Lower Upper

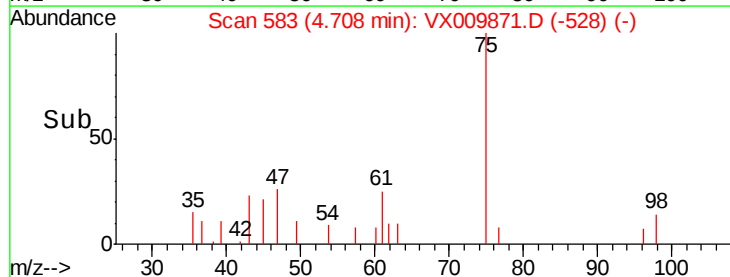
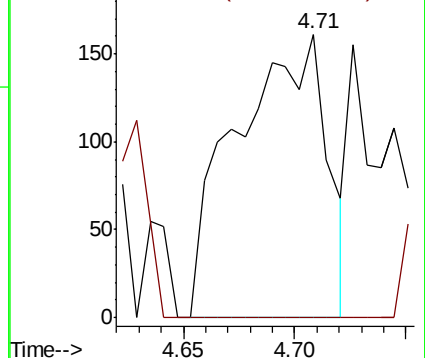
43 100

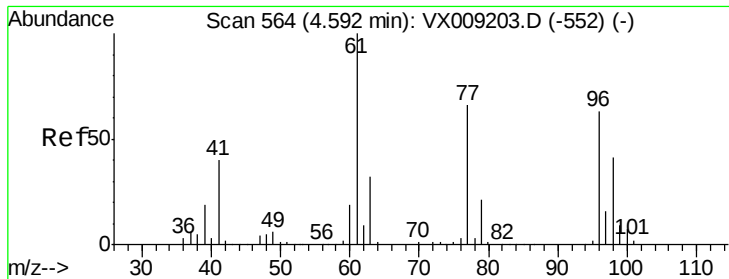
72 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



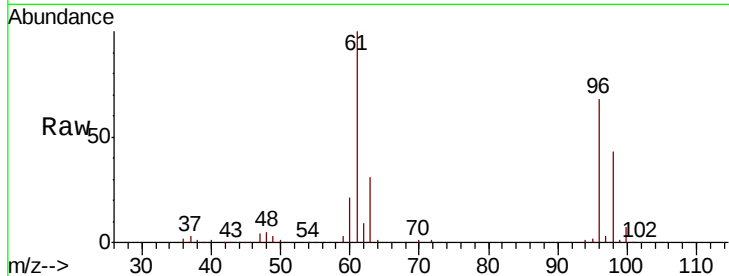


#27

cis-1,2-Dichloroethene
 Concen: 31.022 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	324.0
98	64.7	0.0	130.4

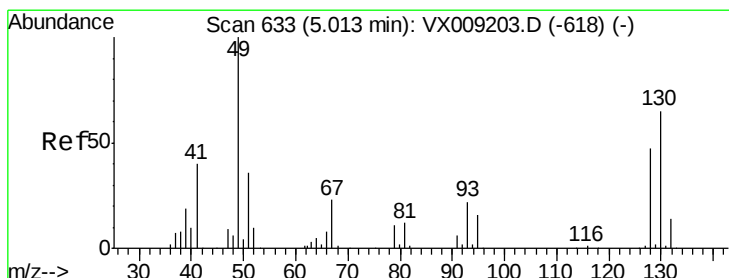
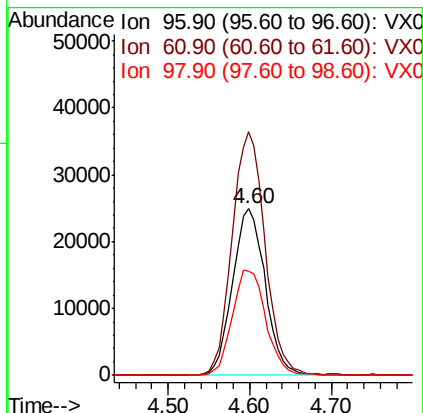
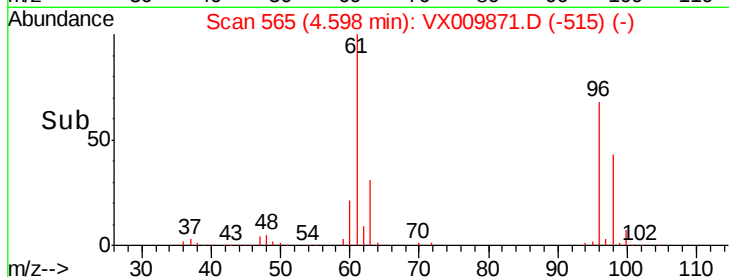


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

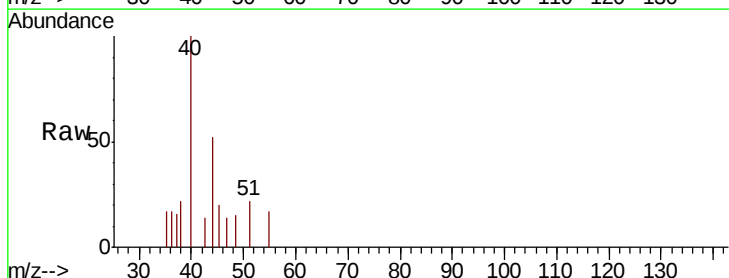
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: Below Cal
 RT: 4.98 min Scan# 628
 Delta R.T. -0.03 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#

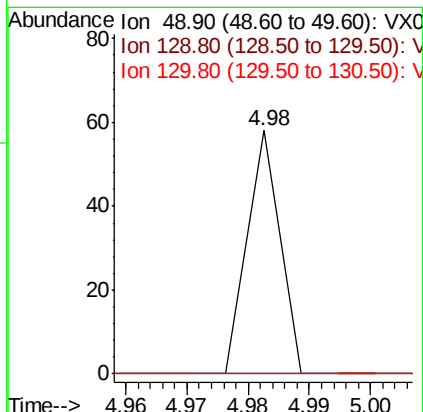
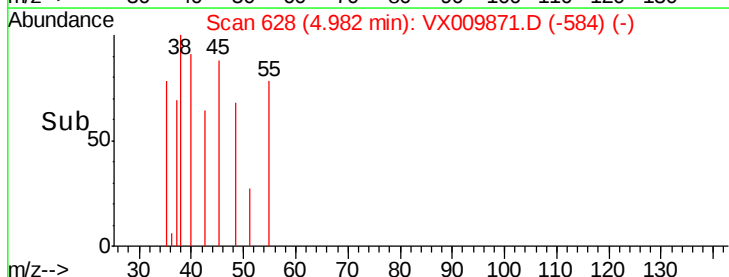


Abundance

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

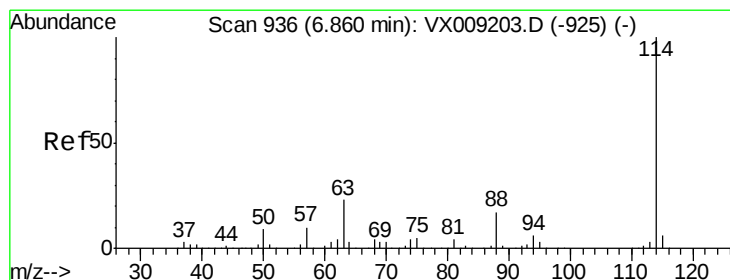
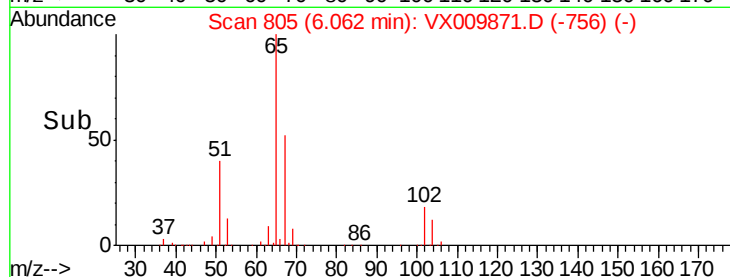
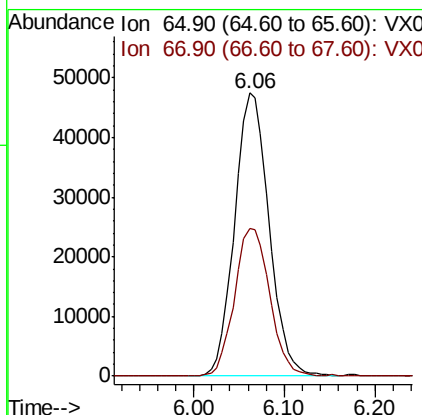
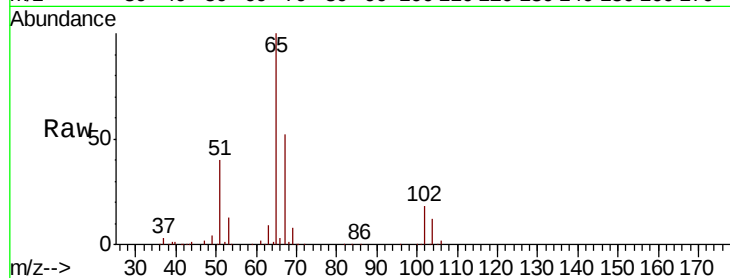




#33
 1,2-Dichloroethane-d4
 Concen: 49.887 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

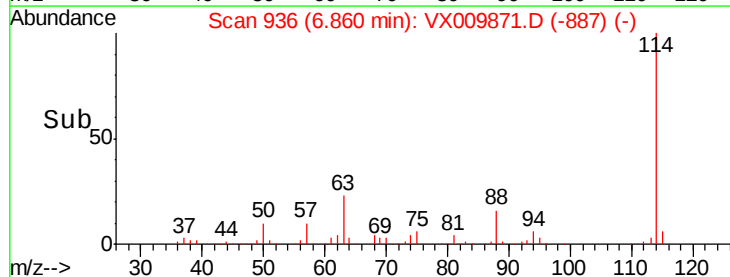
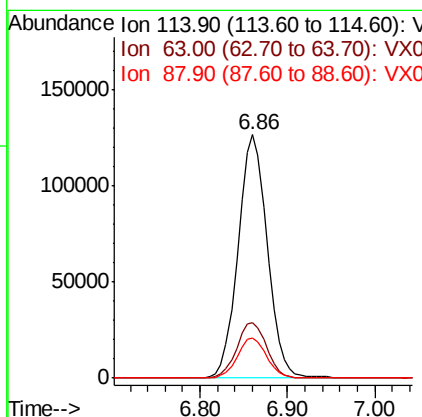
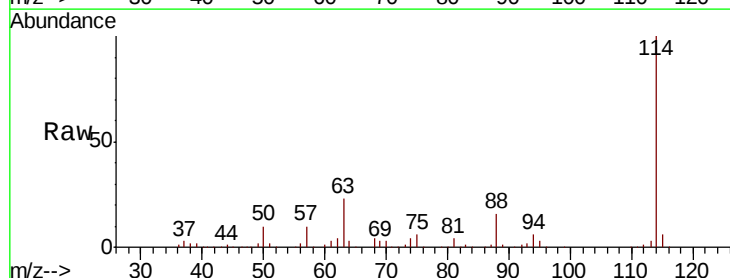
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

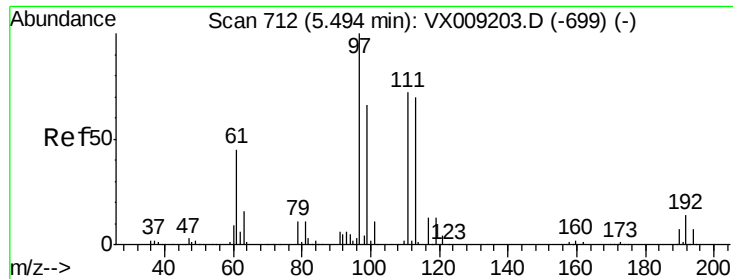
Tot Ion: 65 Resp: 125129
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Tgt Ion: 114 Resp: 293398
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.5 0.0 33.2

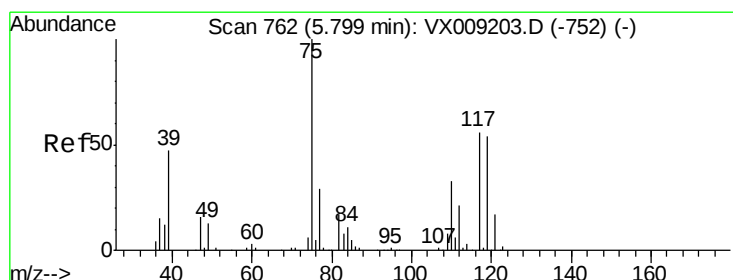
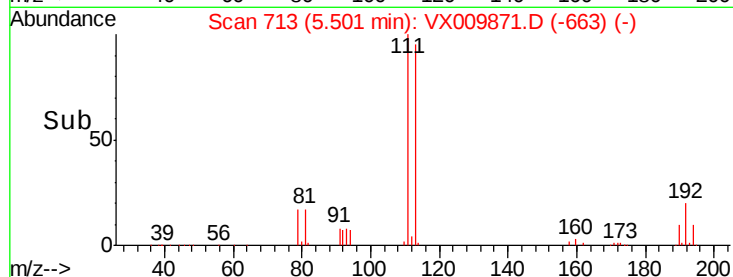
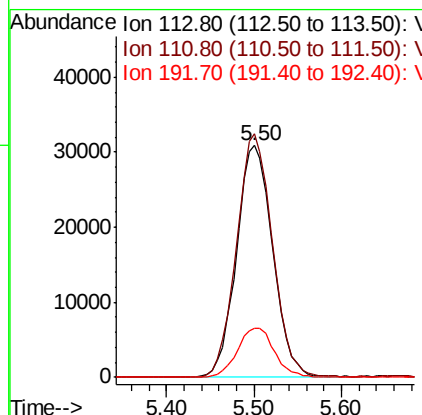
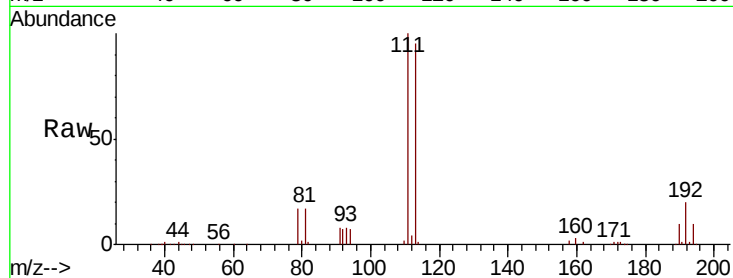




#35
 Dibromofluoromethane
 Concen: 48.216 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

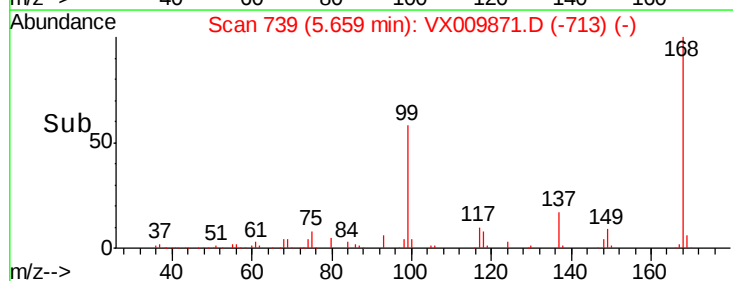
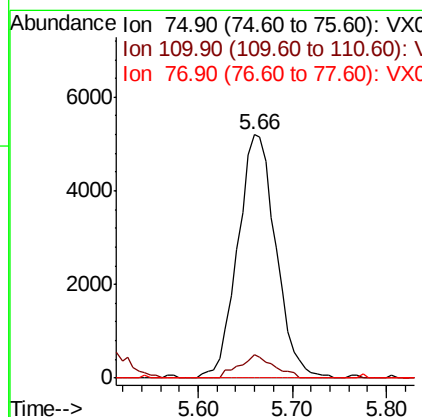
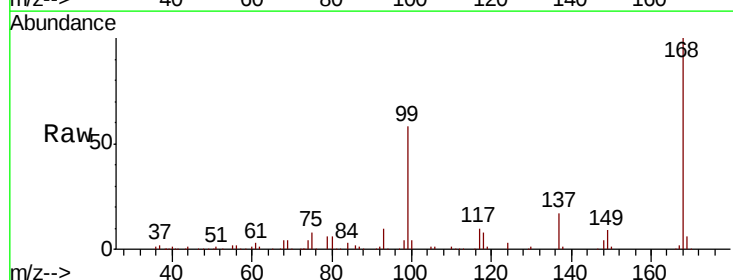
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

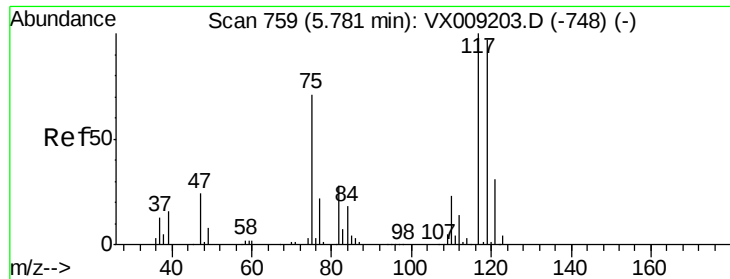
Tot Ion:113 Resp: 88931
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.8 124.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.405 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Tgt Ion: 75 Resp: 14737
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#

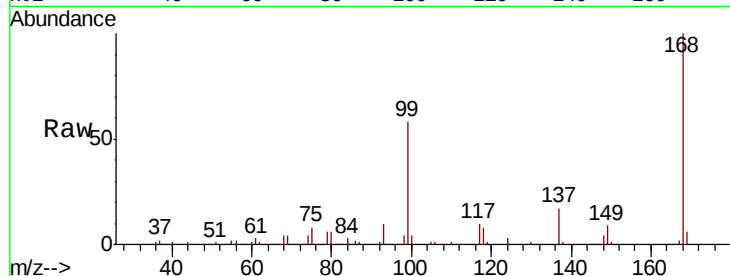




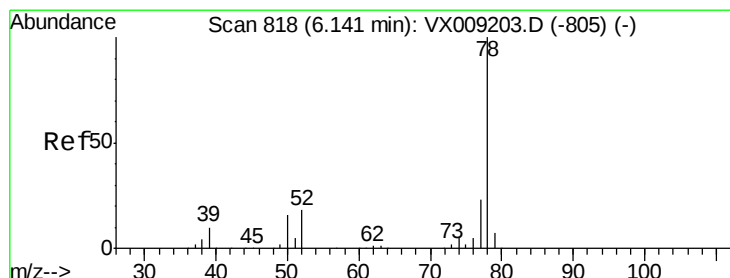
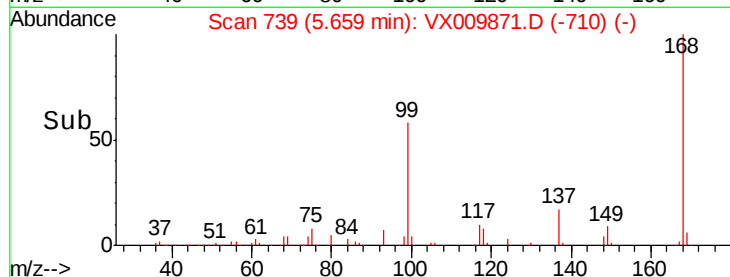
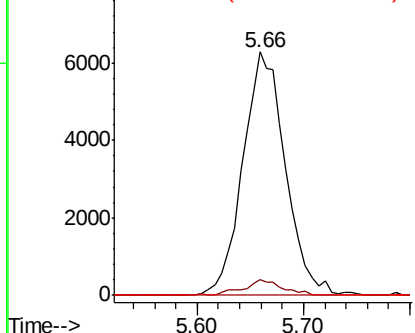
#38
 Carbon Tetrachloride
 Concen: 7.066 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

Tot Ion:117 Resp: 17505
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.5 116.3#
 121 0.0 24.7 37.1#

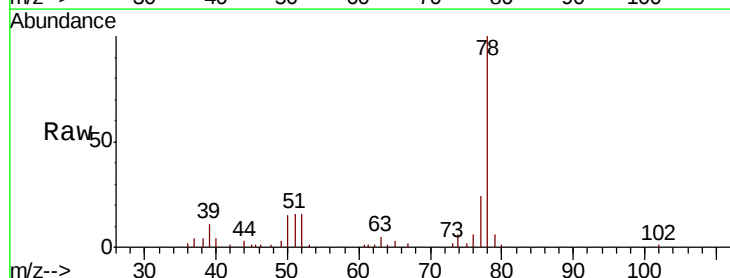


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

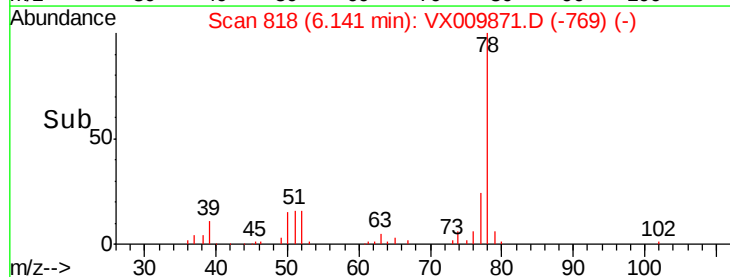
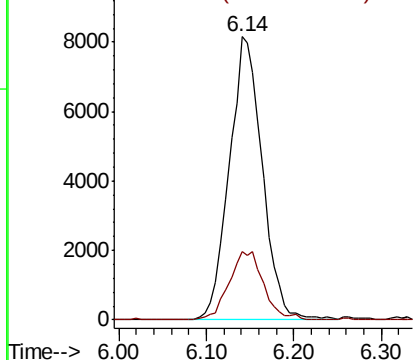


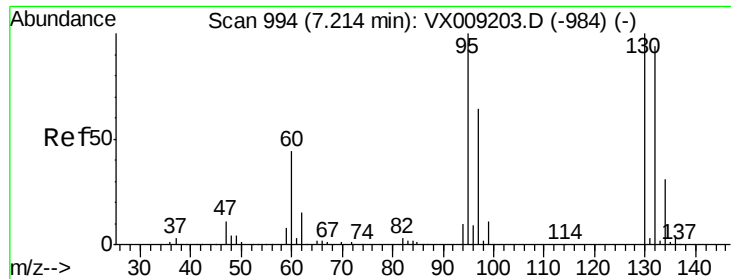
#40
 Benzene
 Concen: 2.531 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Tgt Ion: 78 Resp: 21358
 Ion Ratio Lower Upper
 78 100
 77 24.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0

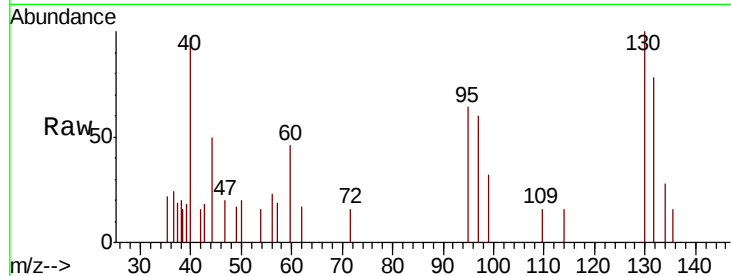




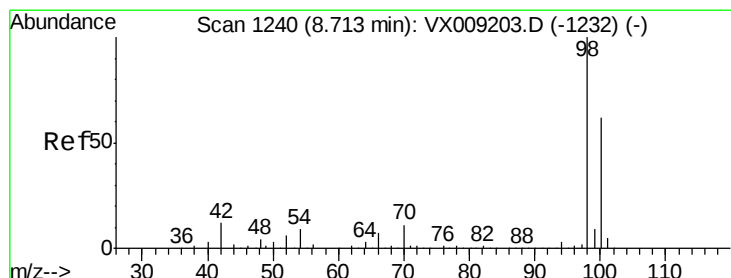
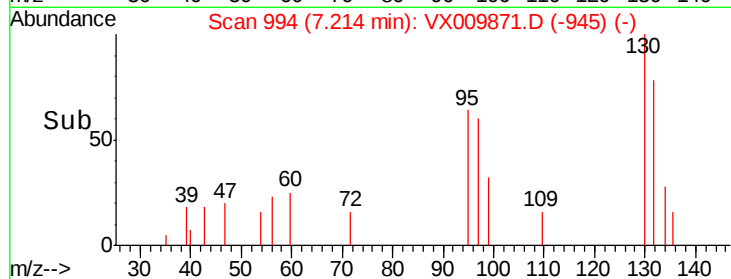
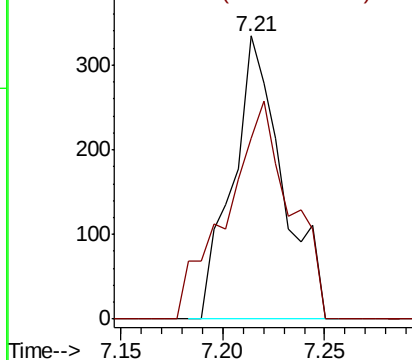
#44
 Trichloroethene
 Concen: 0.278 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0155

Tot Ion:130 Resp: 568
 Ion Ratio Lower Upper
 130 100
 95 64.1 0.0 199.2

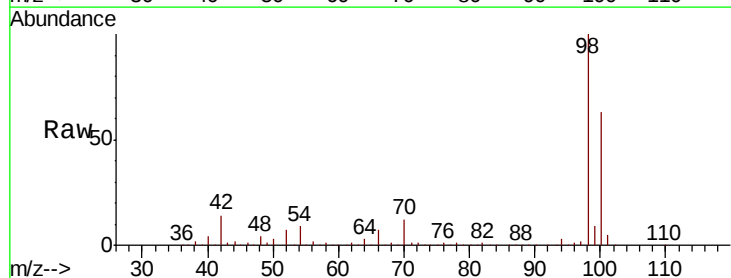


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

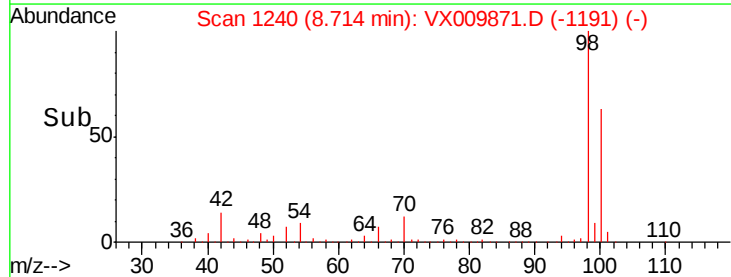
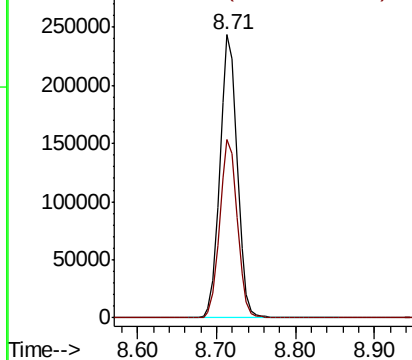


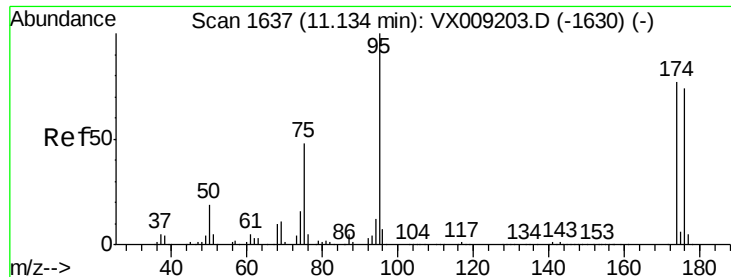
#50
 Toluene-d8
 Concen: 50.164 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009871.D
 Acq: 23 May 2019 20:12

Tgt Ion: 98 Resp: 373543
 Ion Ratio Lower Upper
 98 100
 100 64.0 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: 47.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0155

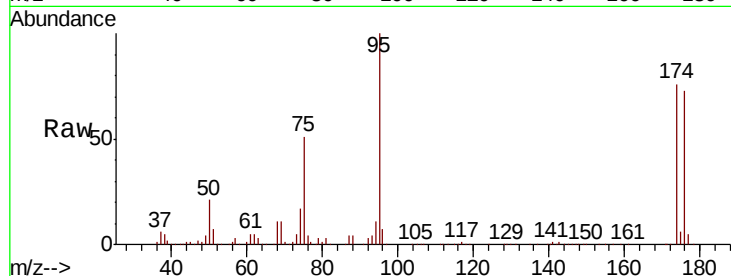
Tot Ion: 95 Resp: 128969

Ion Ratio Lower Upper

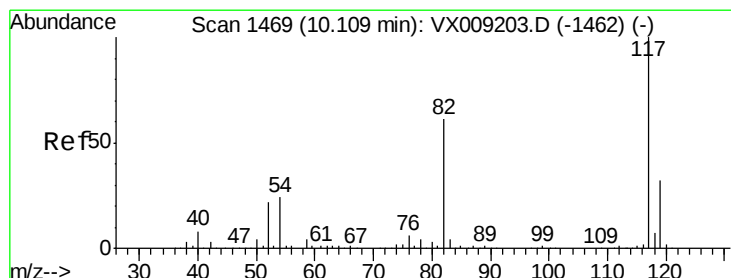
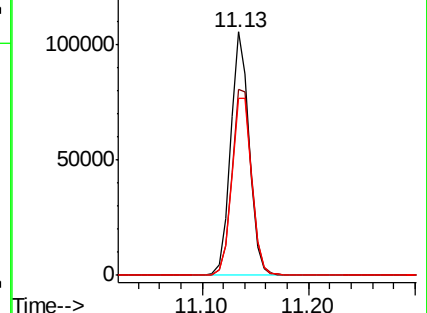
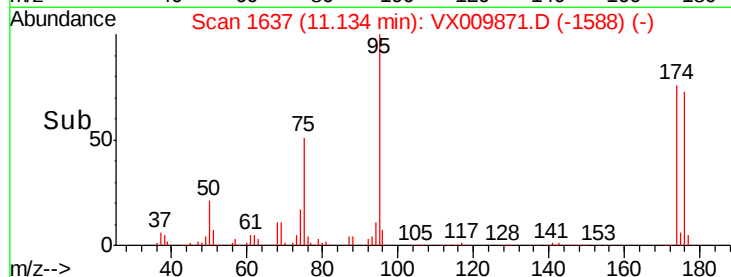
95 100

174 80.9 0.0 161.6

176 78.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009871.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

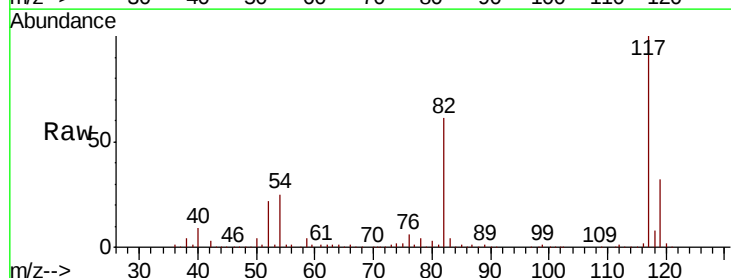
Tgt Ion: 117 Resp: 264956

Ion Ratio Lower Upper

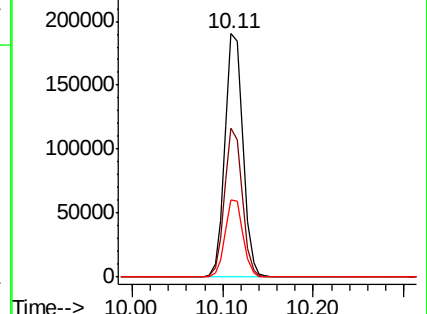
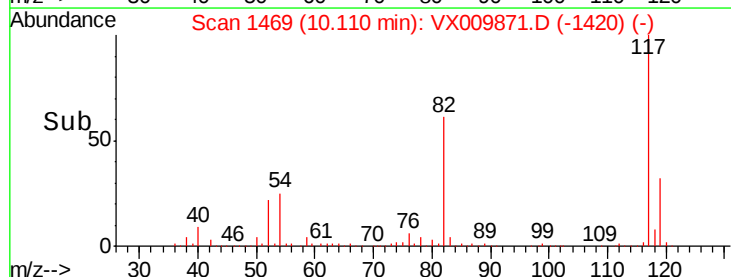
117 100

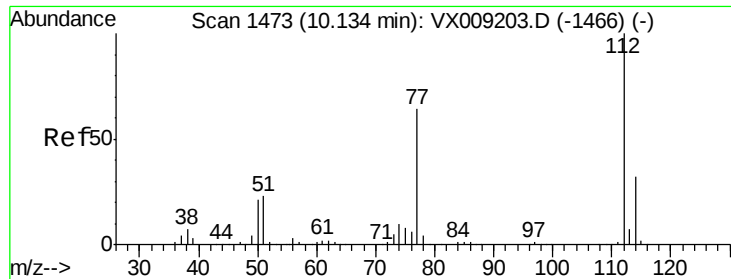
82 61.1 48.8 73.2

119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009871.D (-1420) (-)





#65

Chlorobenzene

Concen: 44.713 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampled :

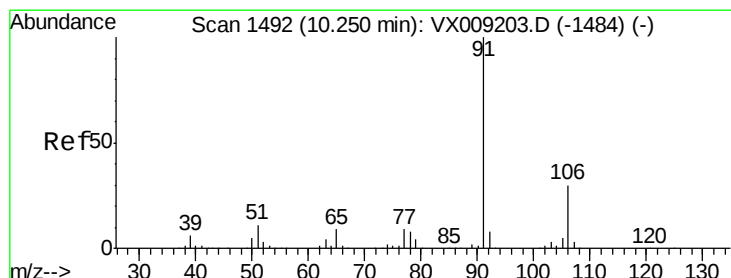
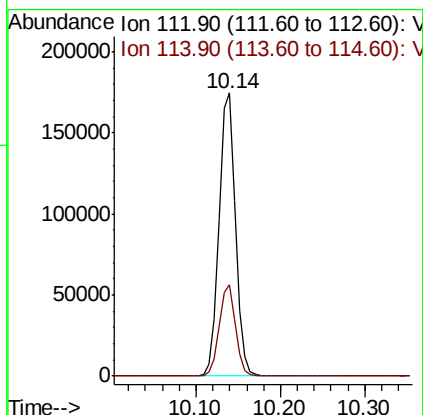
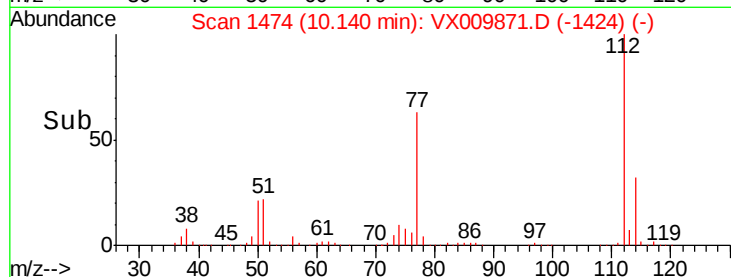
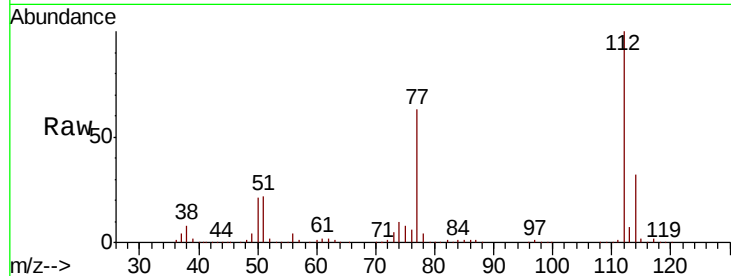
S36-0155

Tot Ion:112 Resp: 236994

Ion Ratio Lower Upper

112 100

114 32.4 25.5 38.3



#67

Ethyl Benzene

Concen: 0.235 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009871.D

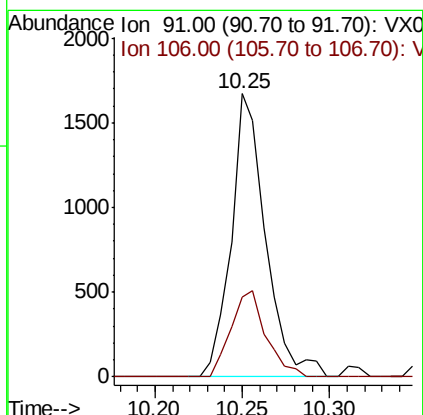
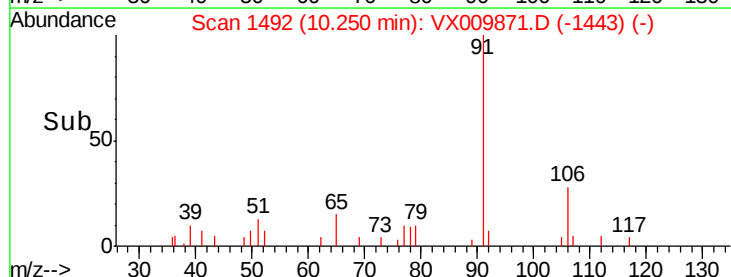
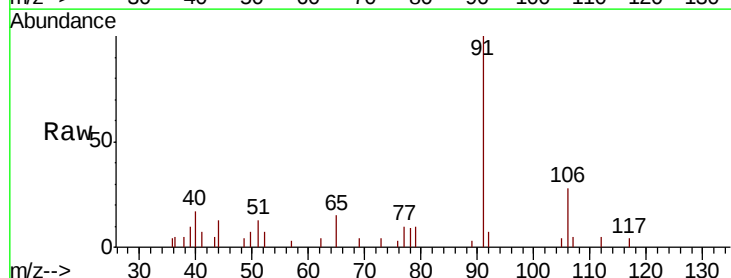
Acq: 23 May 2019 20:12

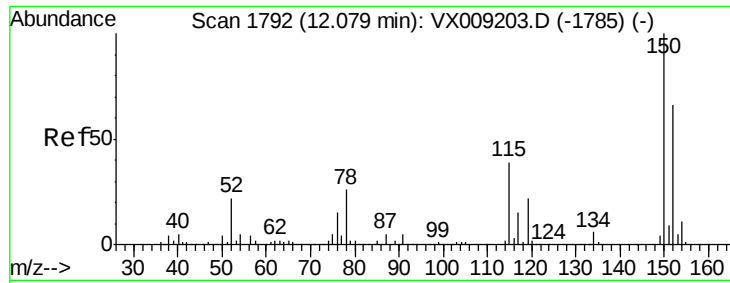
Tgt Ion: 91 Resp: 2292

Ion Ratio Lower Upper

91 100

106 28.2 24.0 36.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0155

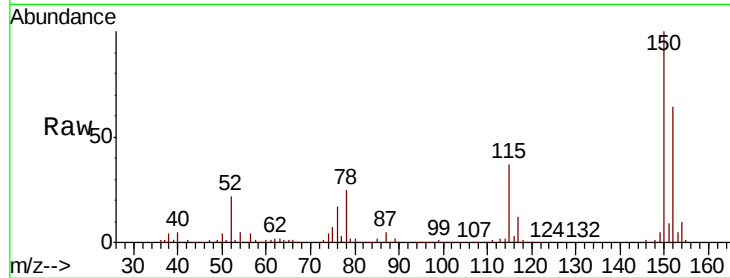
Tot Ion:152 Resp: 117475

Ion Ratio Lower Upper

152 100

115 59.5 41.2 123.6

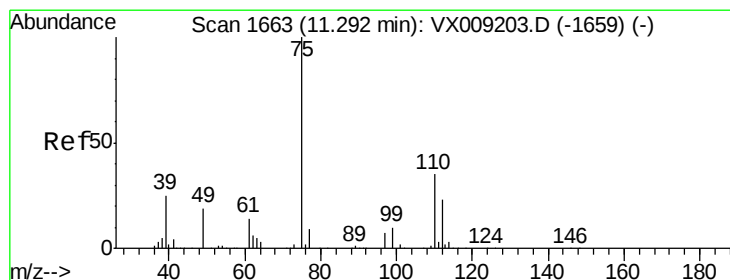
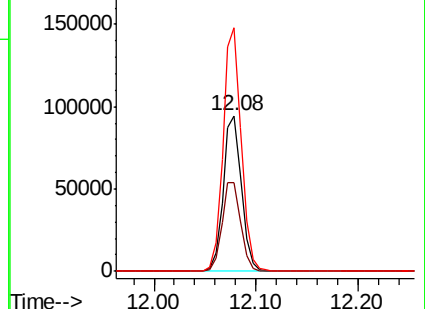
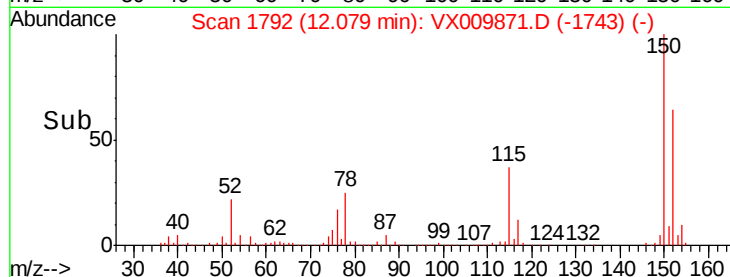
150 156.4 0.0 346.4



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: 24.546 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009871.D

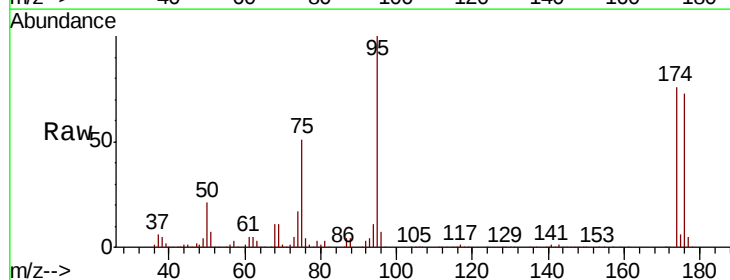
Acq: 23 May 2019 20:12

Tgt Ion: 75 Resp: 66888

Ion Ratio Lower Upper

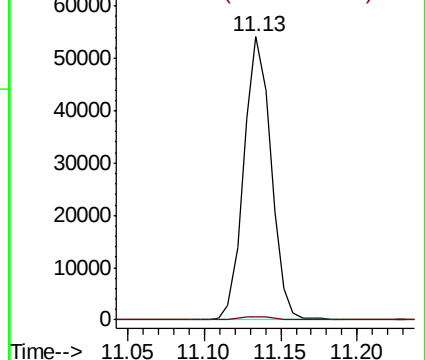
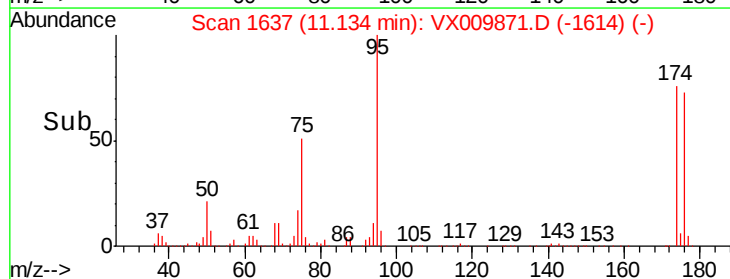
75 100

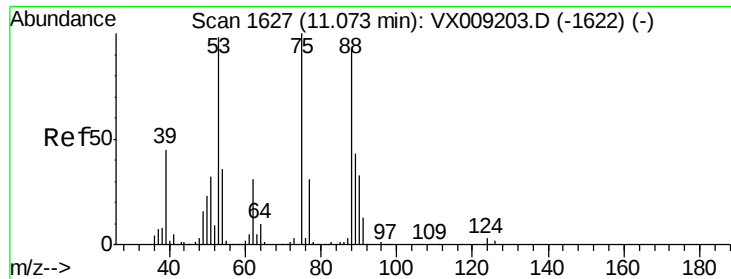
77 1.4 22.1 66.1#



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: 62.805 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0155

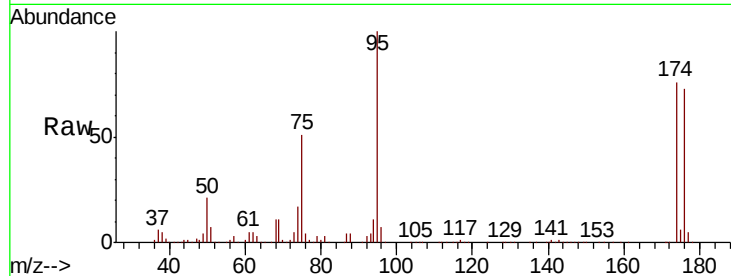
Tot Ion: 75 Resp: 66888

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

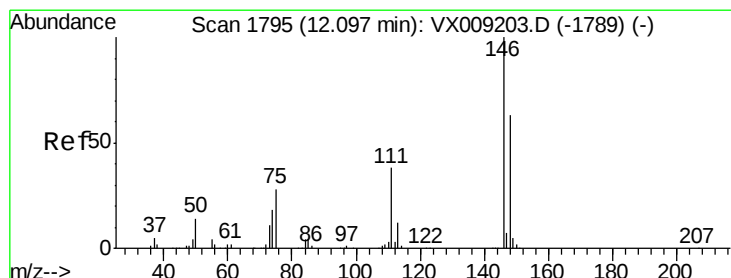
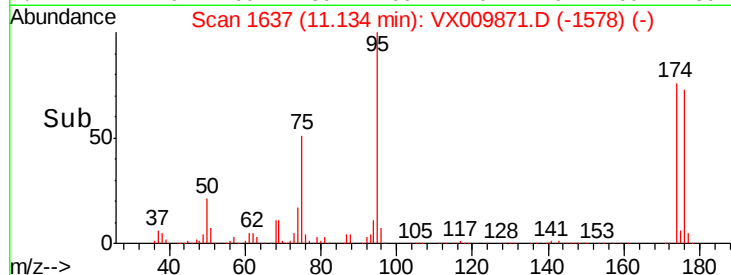
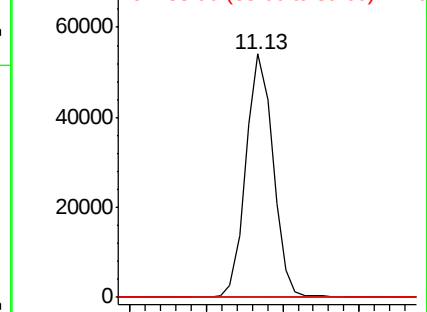
89 0.0 34.7 52.1#



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



#88

1,4-Dichlorobenzene

Concen: 2.687 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009871.D

Acq: 23 May 2019 20:12

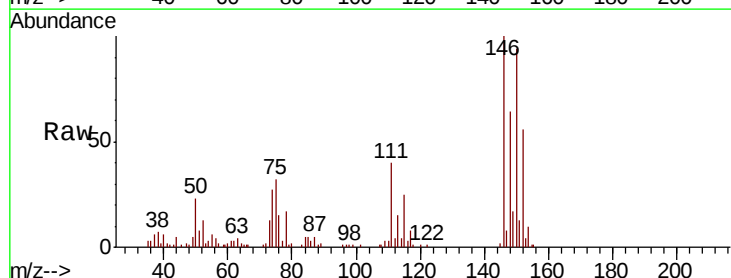
Tgt Ion: 146 Resp: 10238

Ion Ratio Lower Upper

146 100

111 54.0 19.6 58.8

148 68.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

