

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008578.D
 Acq On : 01 Apr 2019 18:53
 Operator : JC/SP
 Sample : K2210-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 01:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123608	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	153302	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	5.50	113	111934	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.71	98	457102	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	150986	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

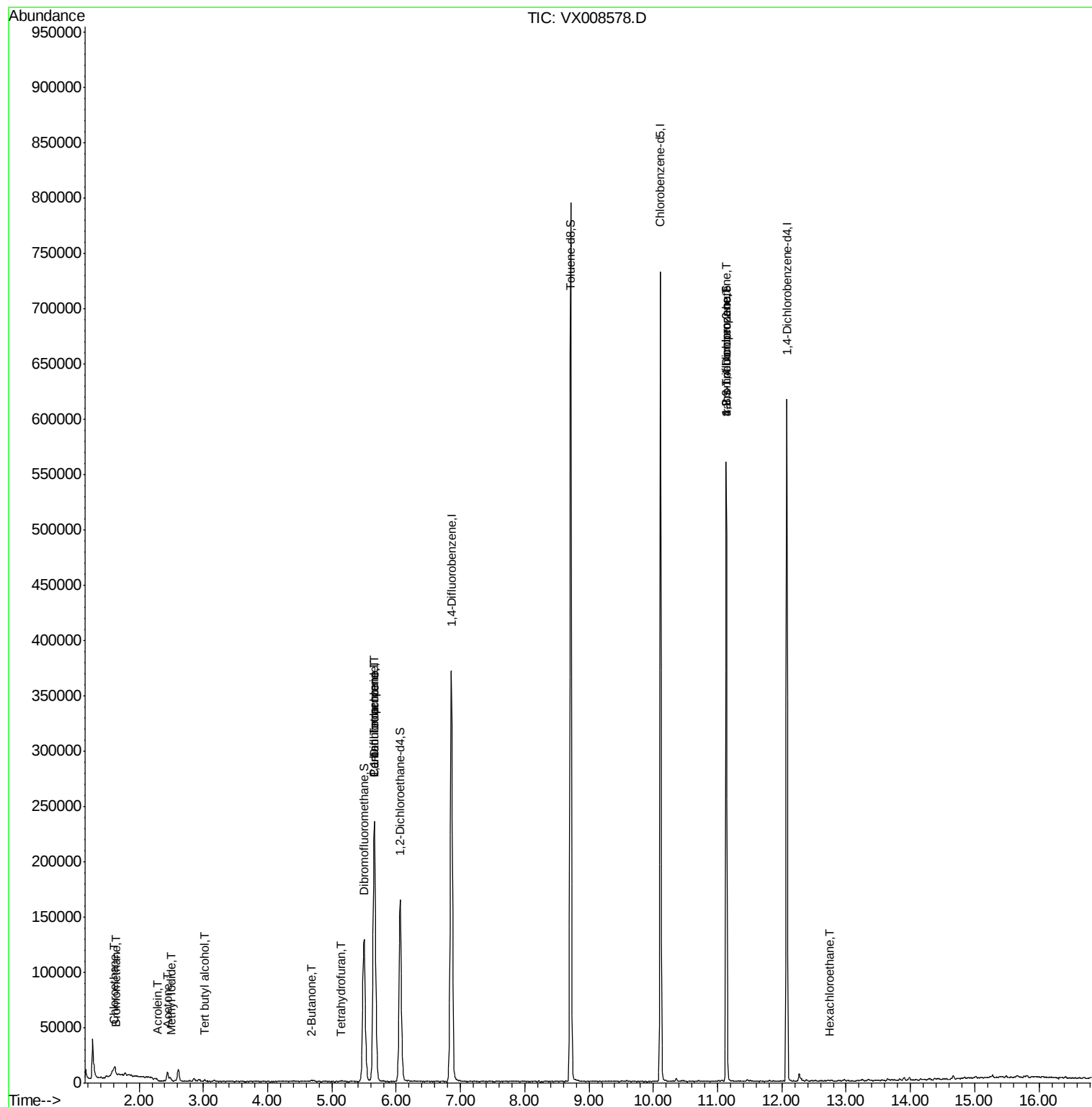
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	636	Below Cal	#	86
5) Bromomethane	1.64	94	692	2.162	ug/l #	80
6) Chloroethane	1.60	64	9519	4.476	ug/l #	50
10) Methyl Iodide	2.51	142	271	4.233	ug/l #	78
11) Tert butyl alcohol	3.02	59	835	1.140	ug/l #	80
13) Acrolein	2.29	56	151	0.284	ug/l #	16
16) Acetone	2.44	43	9041	5.231	ug/l	97
17) Carbon Disulfide	2.57	76	1352	Below Cal		98
20) Methylene Chloride	2.86	84	964	Below Cal		97
21) trans-1,2-Dichloroethene	3.17	96	41	Below Cal	#	3
25) 2-Butanone	4.68	43	1890	0.682	ug/l	99
29) Tetrahydrofuran	5.14	42	1144	0.626	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	18172	4.641	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21683	6.636	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	76012	20.685	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	76012	66.251	ug/l #	9
90) Hexachloroethane	12.75	117	414	0.288	ug/l #	10

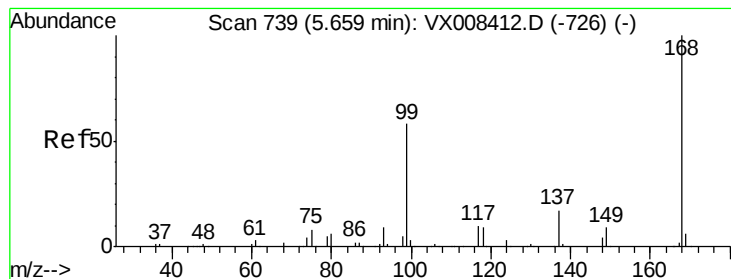
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

Instrument :

MSVOA_X

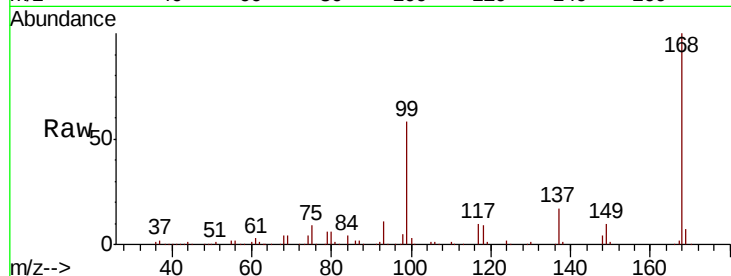
ClientSampled :

Tot Ion:168 Resp: 218111

Ion Ratio Lower Upper

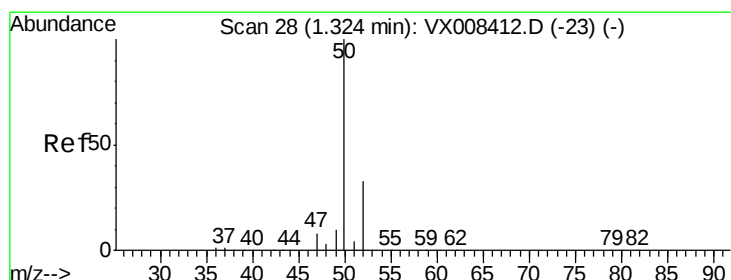
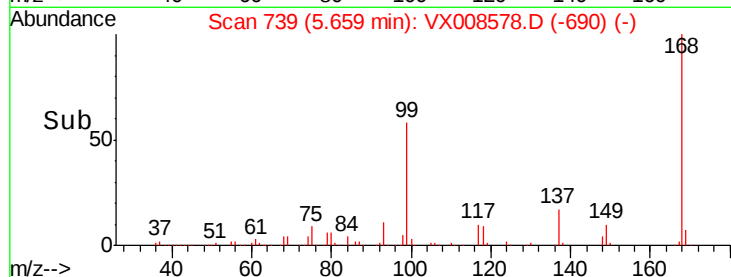
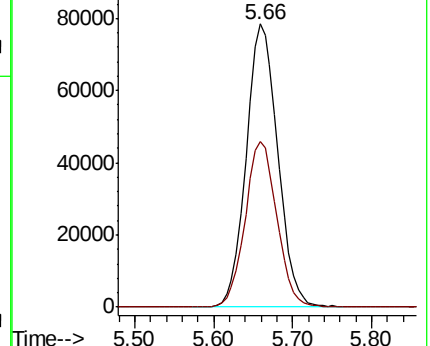
168 100

99 58.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008578.D

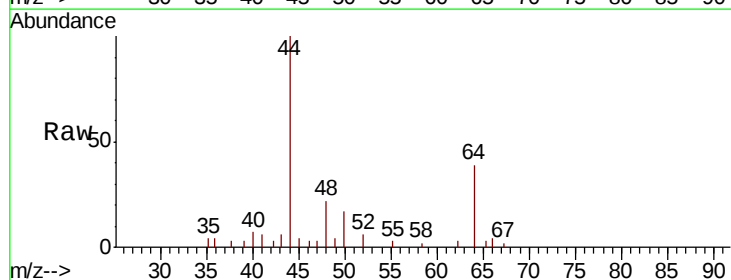
Acq: 01 Apr 2019 18:53

Tgt Ion: 50 Resp: 636

Ion Ratio Lower Upper

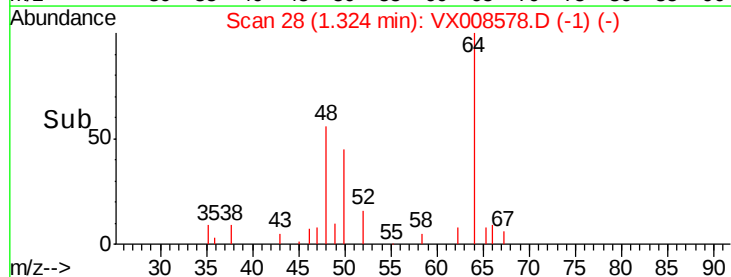
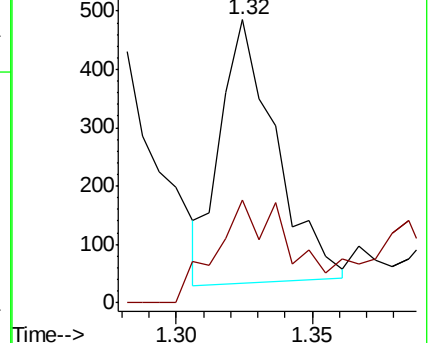
50 100

52 25.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.162 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

Instrument :

MSVOA_X

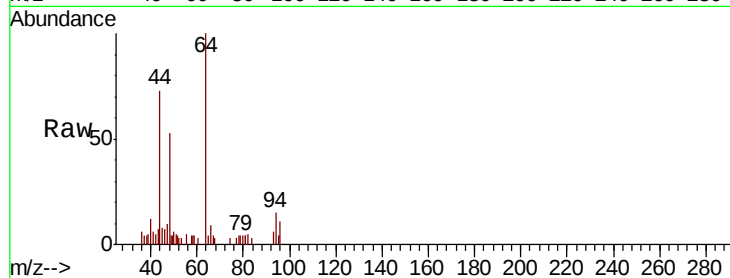
ClientSampleId :

Tot Ion: 94 Resp: 692

Ion Ratio Lower Upper

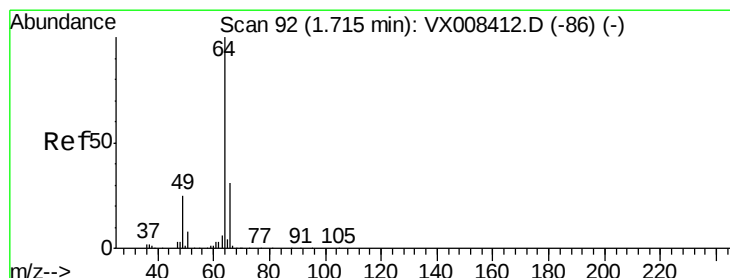
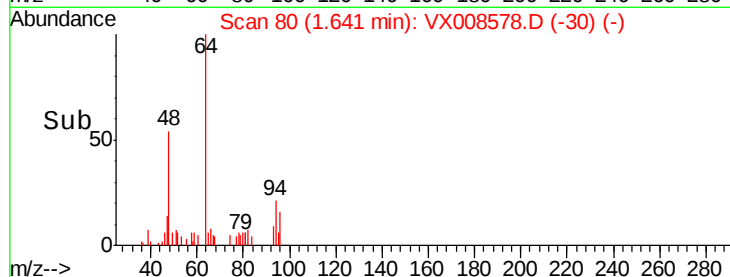
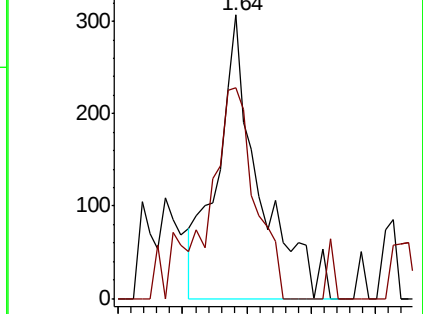
94 100

96 74.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.476 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX008578.D

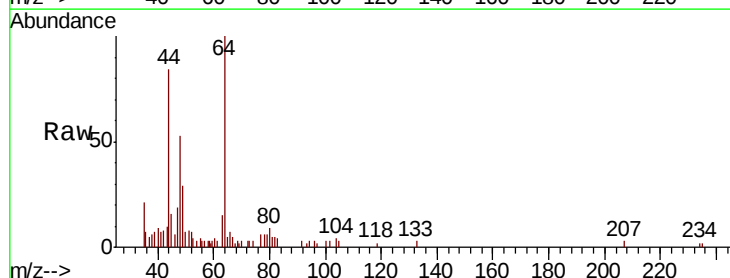
Acq: 01 Apr 2019 18:53

Tgt Ion: 64 Resp: 9519

Ion Ratio Lower Upper

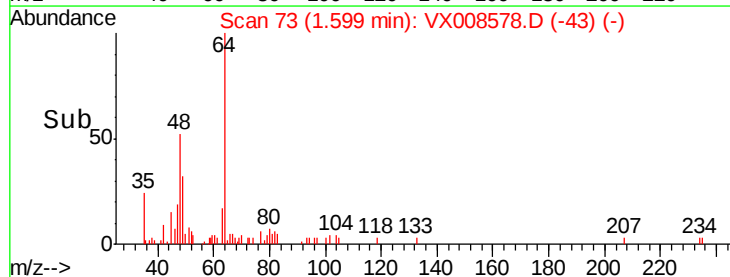
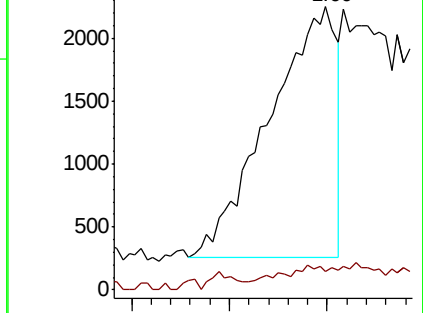
64 100

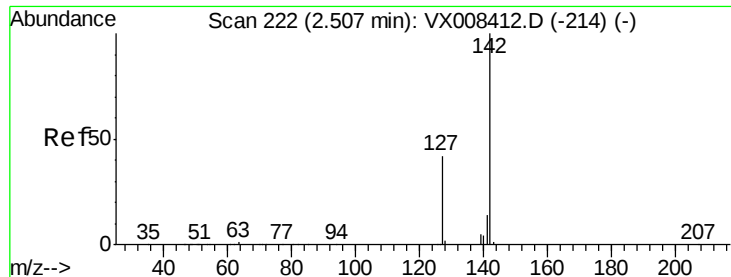
66 3.8 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

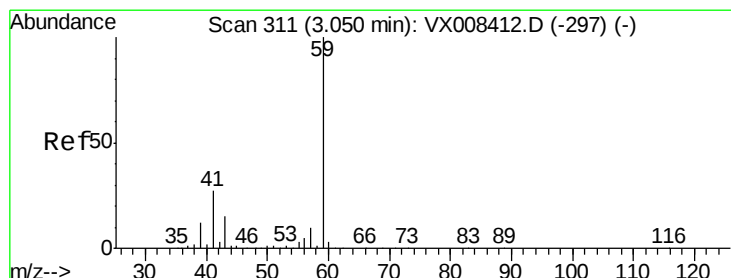
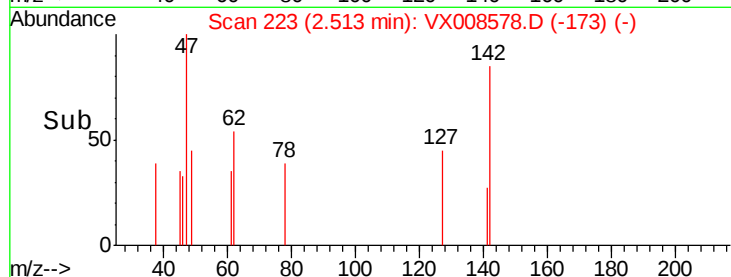
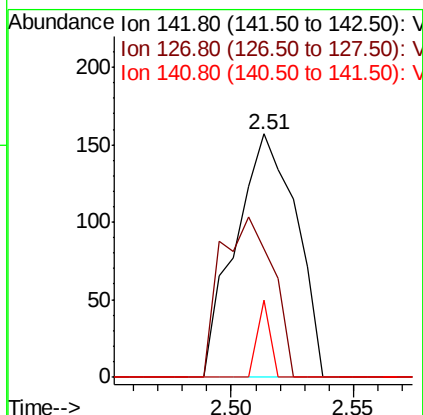
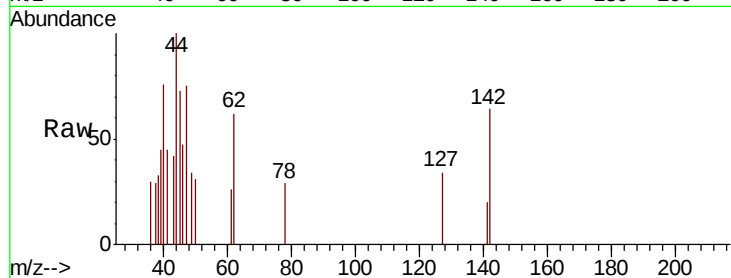




#10
Methyl Iodide
Concen: 4.233 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

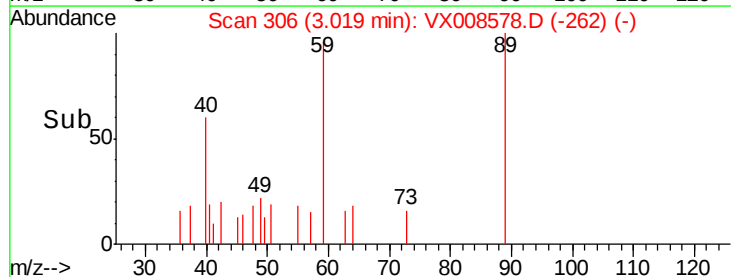
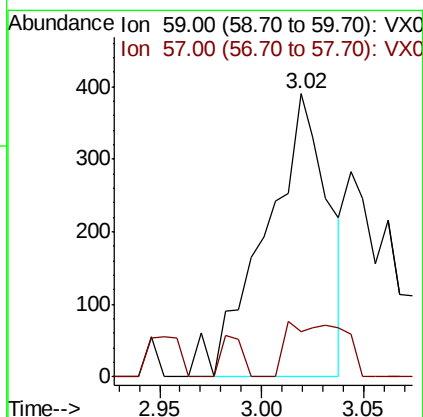
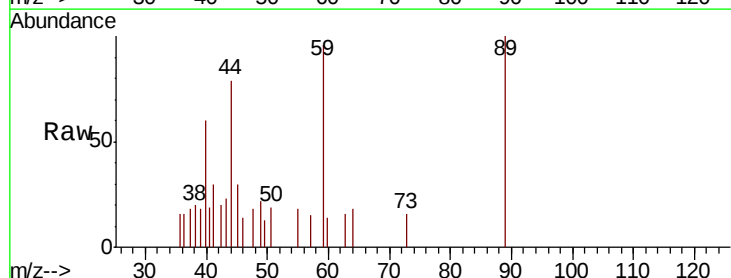
Instrument :
MSVOA_X
ClientSampled :

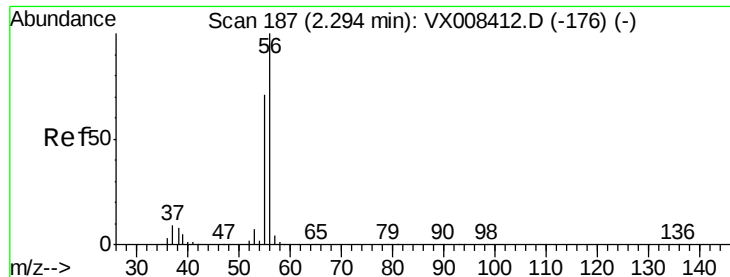
Tot Ion: 142 Resp: 271
Ion Ratio Lower Upper
142 100
127 56.5 33.6 50.4#
141 6.6 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.140 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

Tgt Ion: 59 Resp: 835
Ion Ratio Lower Upper
59 100
57 17.6 8.2 12.4#





#13

Acrolein

Concen: 0.284 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

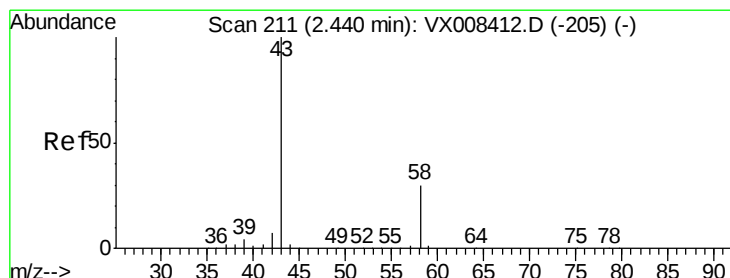
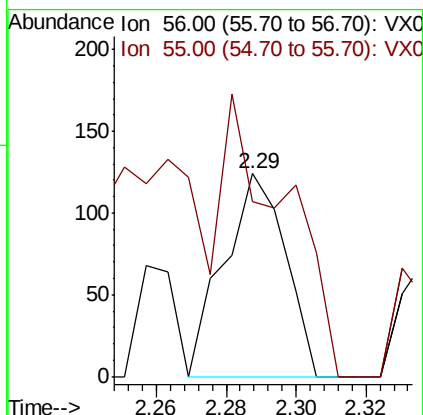
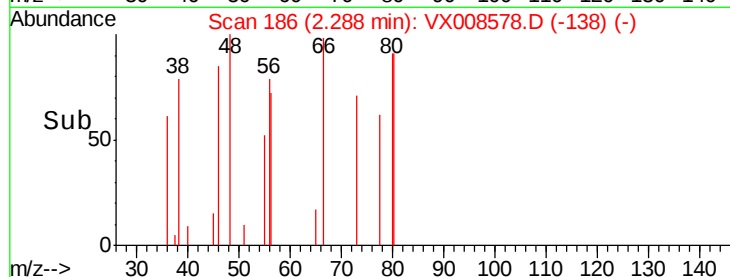
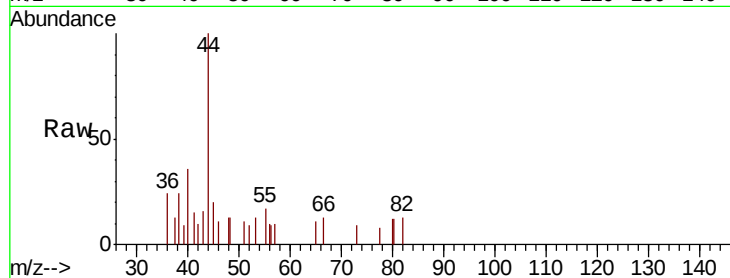
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 139.7 56.5 84.7#



#16

Acetone

Concen: 5.231 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008578.D

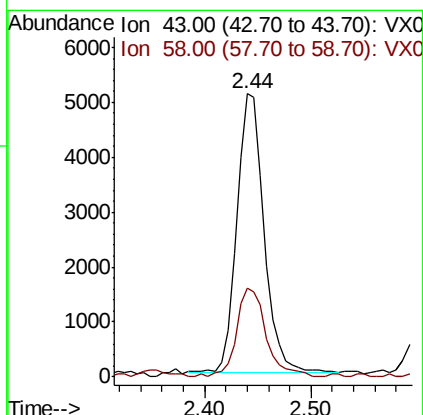
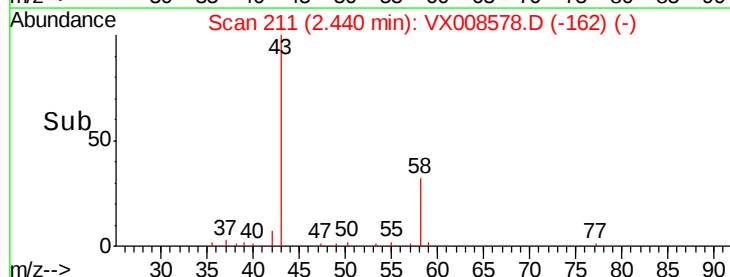
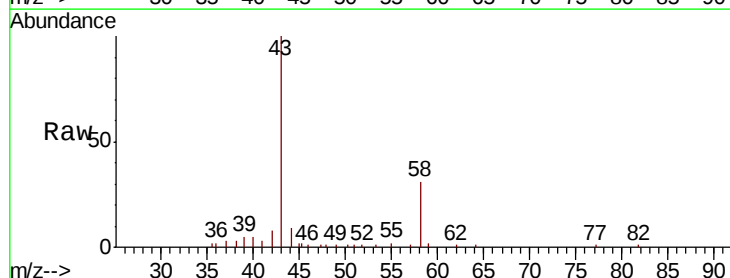
Acq: 01 Apr 2019 18:53

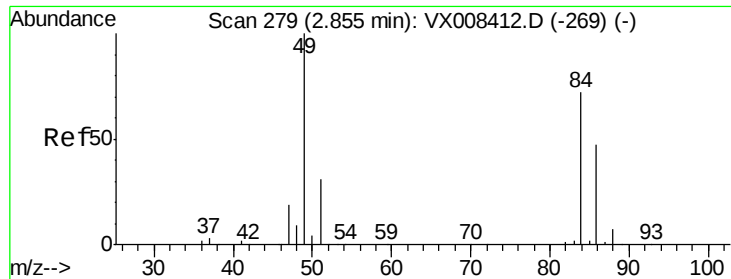
Tgt Ion: 43 Resp: 9041

Ion Ratio Lower Upper

43 100

58 32.0 24.2 36.2

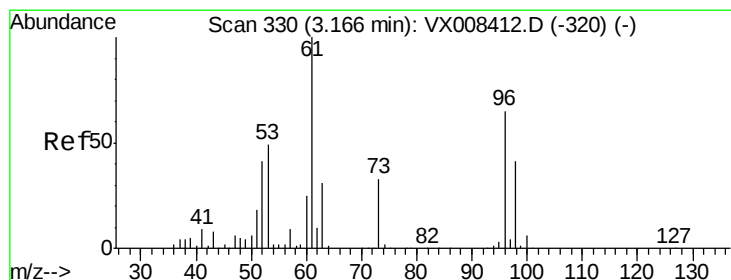
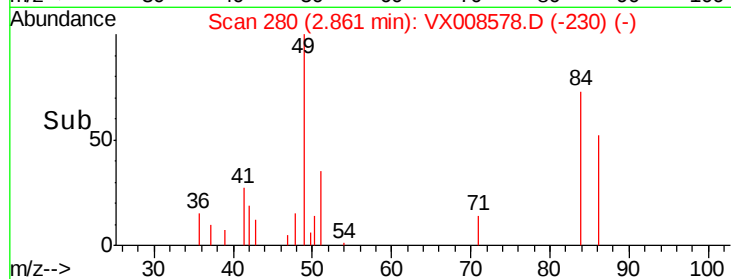
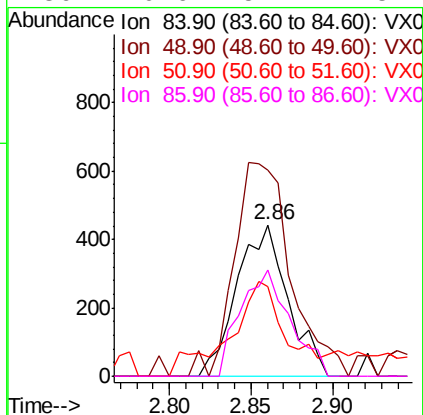
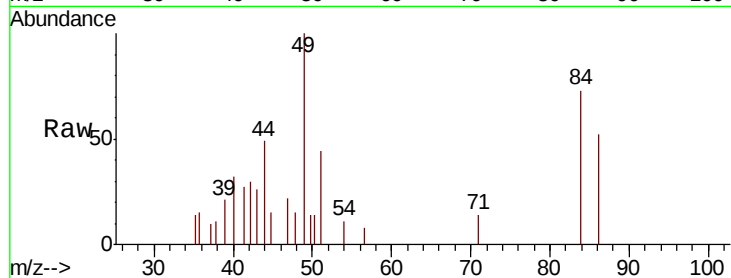




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

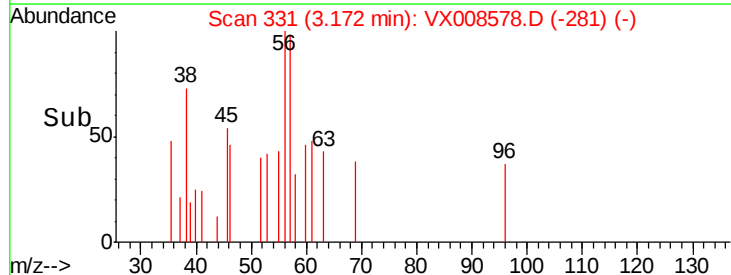
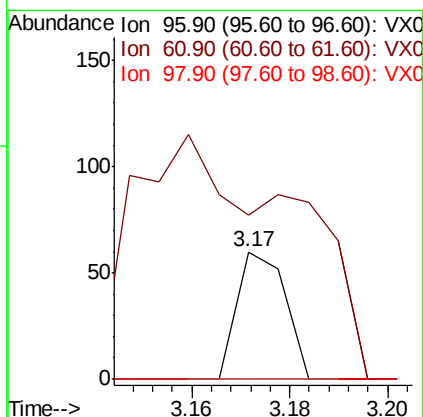
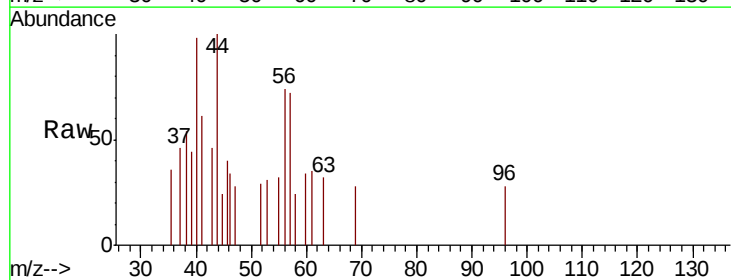
Instrument :
MSVOA_X
ClientSampleId :

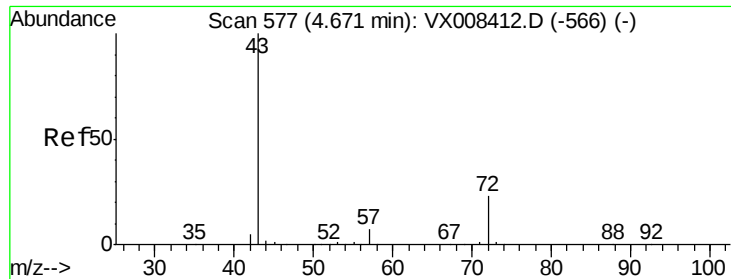
Tot Ion: 84 Resp: 964
Ion Ratio Lower Upper
84 100
49 136.2 110.6 165.8
51 44.6 33.9 50.9
86 70.6 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

Tgt Ion: 96 Resp: 41
Ion Ratio Lower Upper
96 100
61 20.0 122.6 184.0#
98 0.0 50.9 76.3#





#25

2-Butanone

Concen: 0.682 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

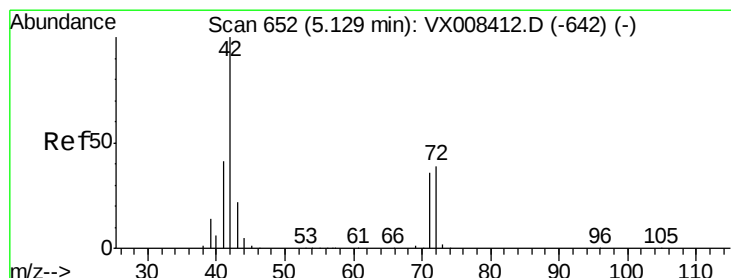
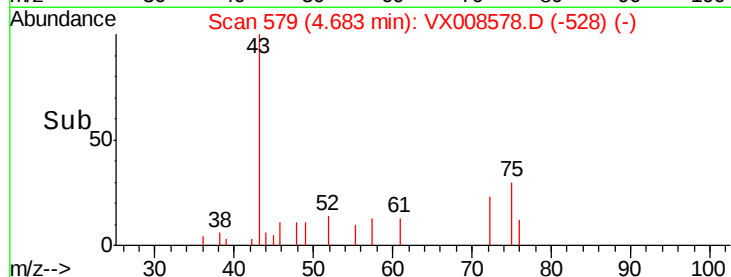
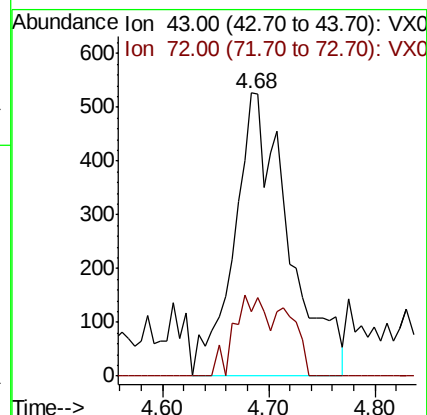
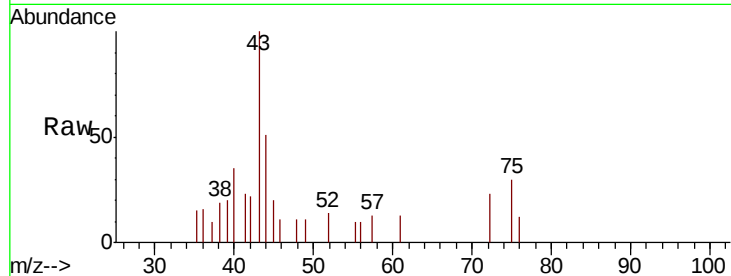
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.626 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

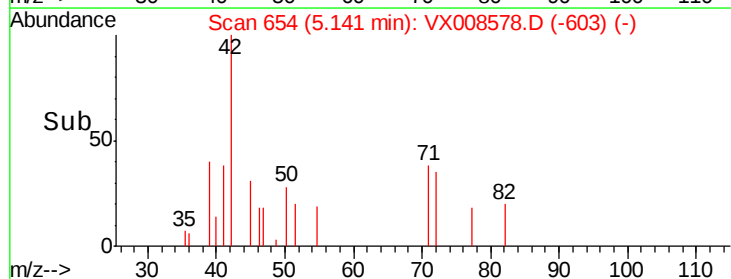
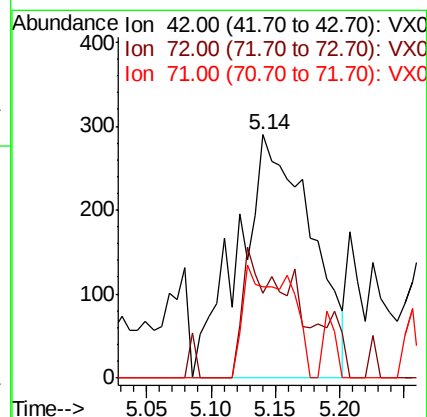
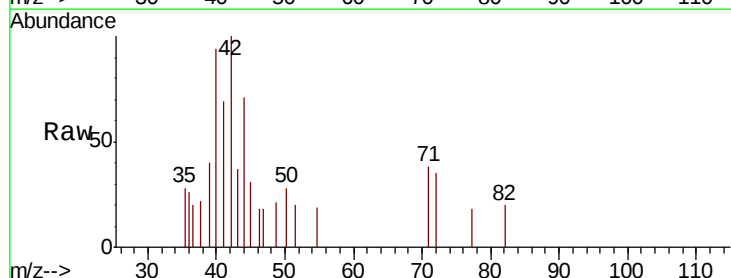
Tgt Ion: 42 Resp: 1144

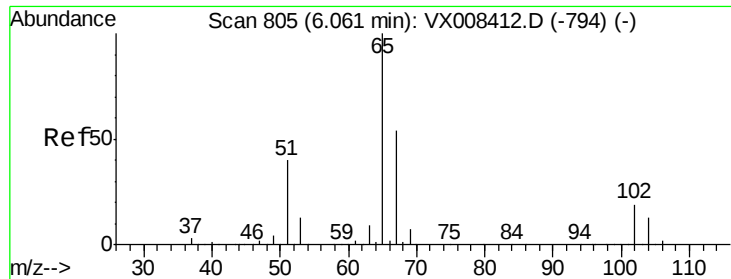
Ion Ratio Lower Upper

42 100

72 32.4 31.4 47.2

71 13.1 29.4 44.2#

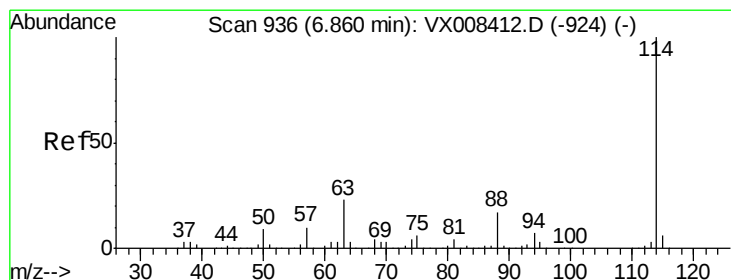
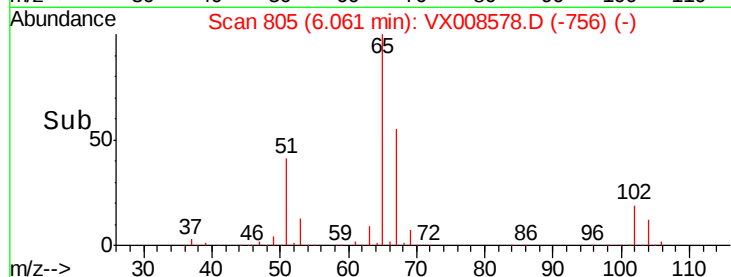
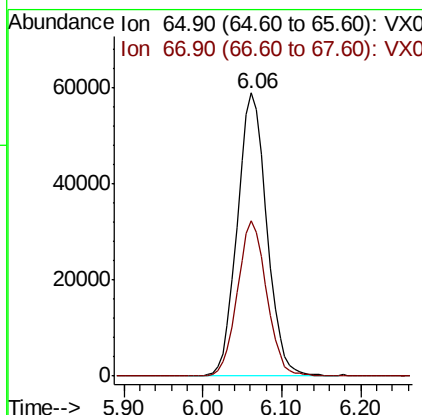
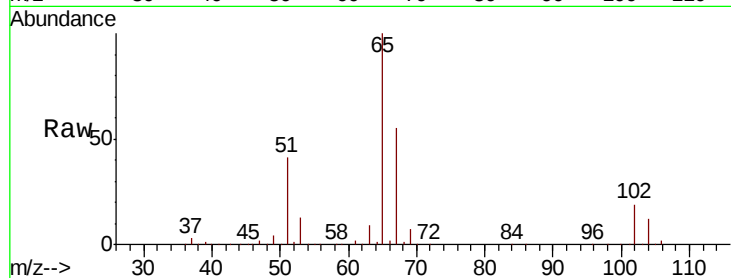




#33
 1,2-Dichloroethane-d4
 Concen: 46.362 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008578.D
 Acq: 01 Apr 2019 18:53

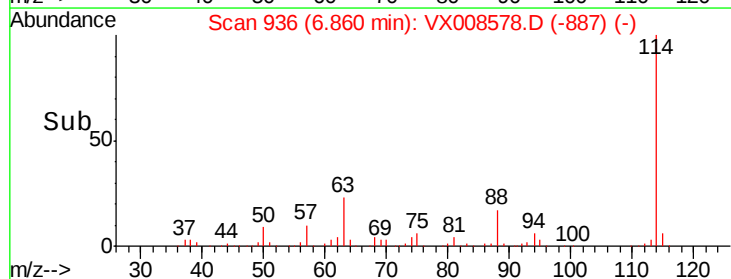
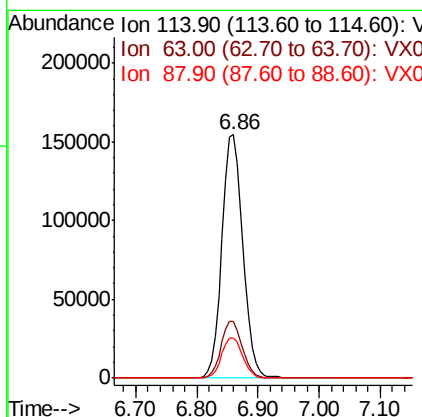
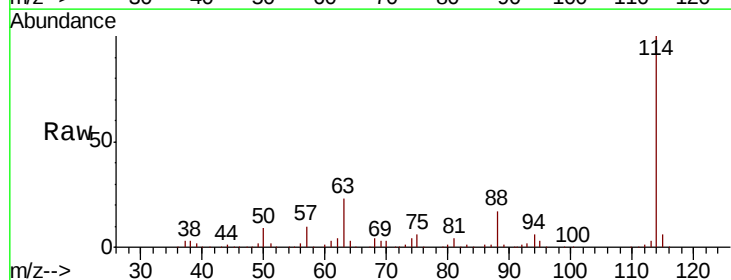
Instrument :
 MSVOA_X
 ClientSampleId :

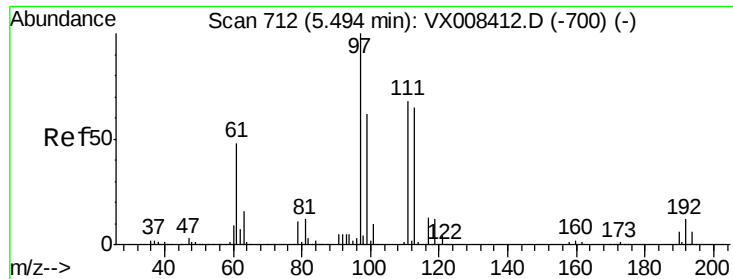
Tot Ion: 65 Resp: 153302
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008578.D
 Acq: 01 Apr 2019 18:53

Tgt Ion: 114 Resp: 367208
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.7 0.0 33.2

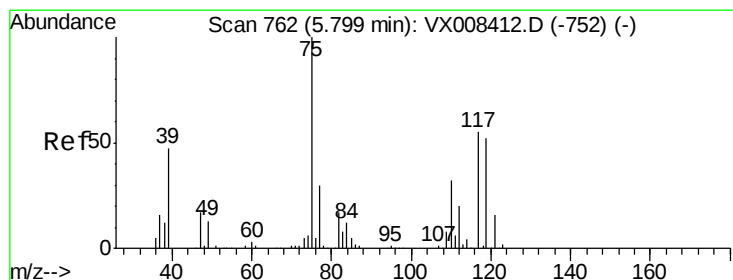
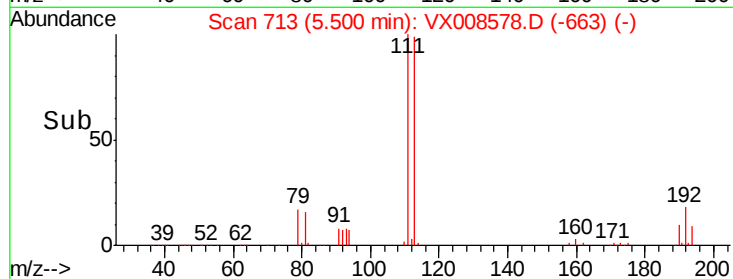
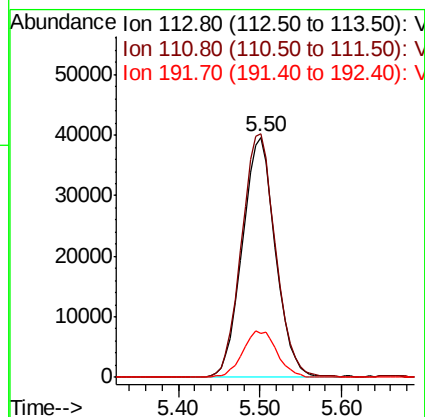
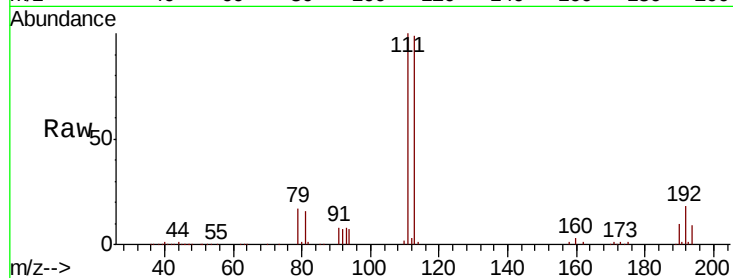




#35
 Dibromofluoromethane
 Concen: 46.749 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008578.D
 Acq: 01 Apr 2019 18:53

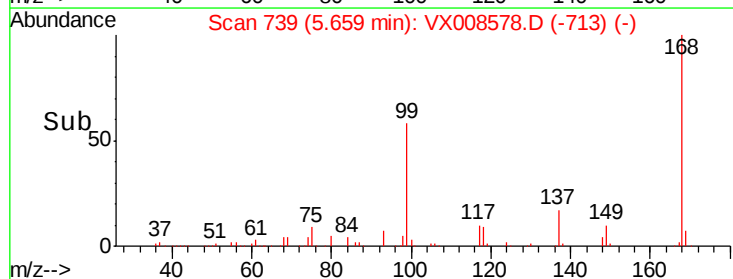
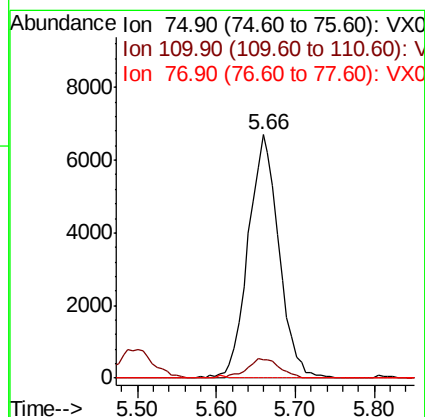
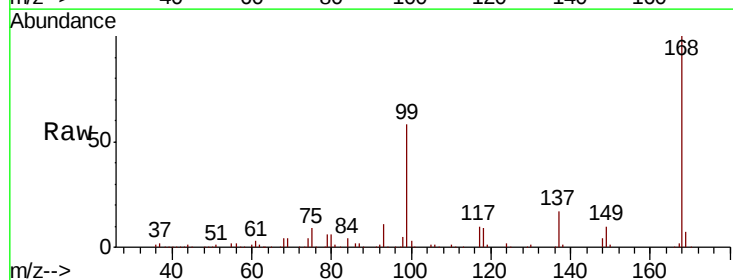
Instrument :
 MSVOA_X
 ClientSampled :

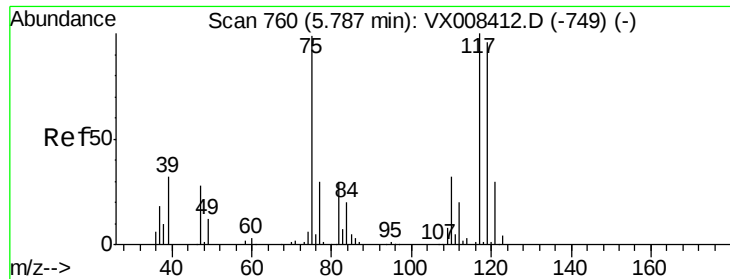
Tot Ion:113 Resp: 111934
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.0 124.4
 192 20.1 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.641 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008578.D
 Acq: 01 Apr 2019 18:53

Tgt Ion: 75 Resp: 18172
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.7#
 77 0.0 24.2 36.2#

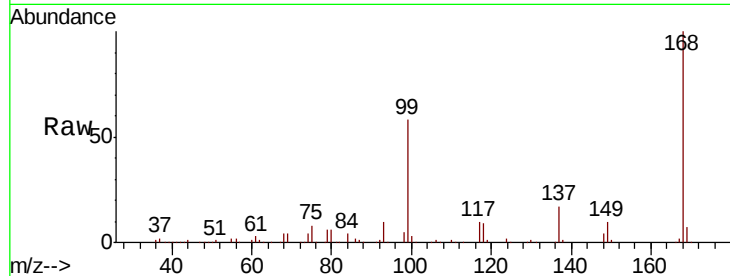




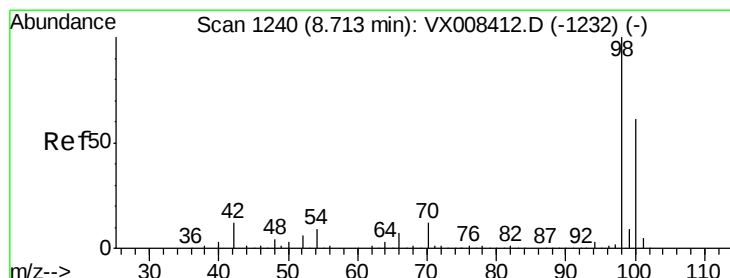
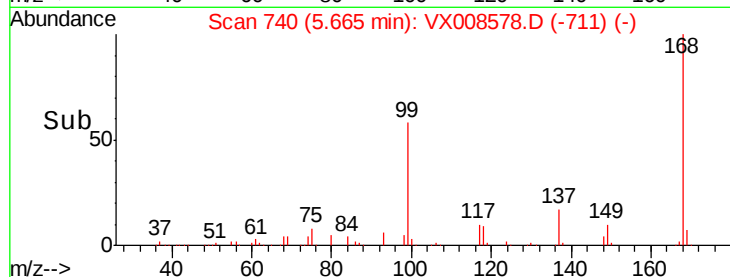
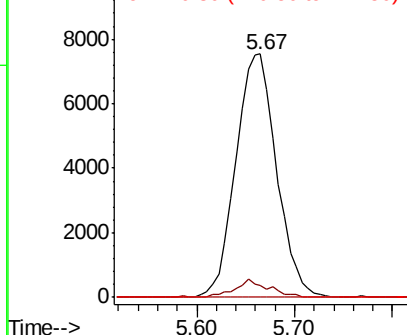
#38
Carbon Tetrachloride
Concen: 6.636 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 21683
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 24.3 36.5#

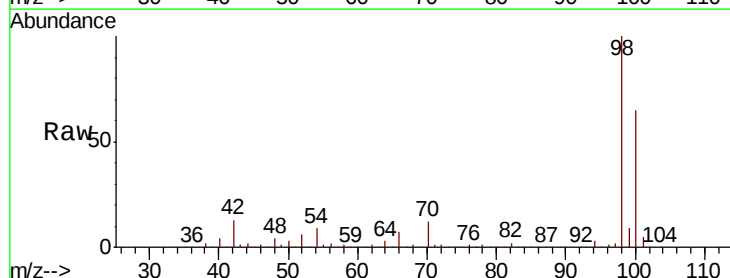


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

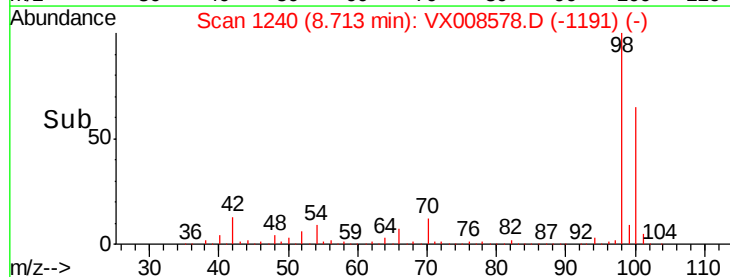
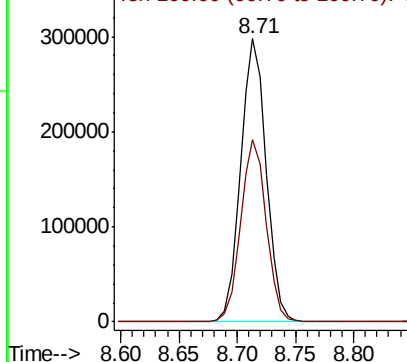


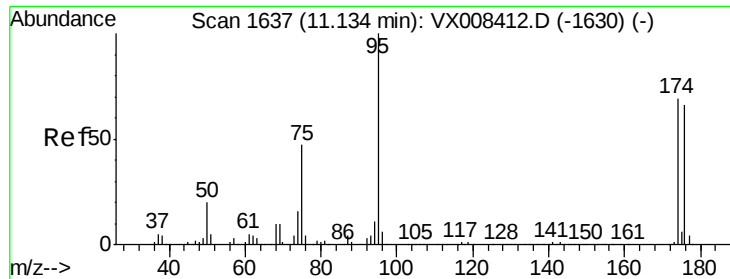
#50
Toluene-d8
Concen: 47.744 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008578.D
Acq: 01 Apr 2019 18:53

Tgt Ion: 98 Resp: 457102
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



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





#62

4-Bromofluorobenzene

Concen: 42.558 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

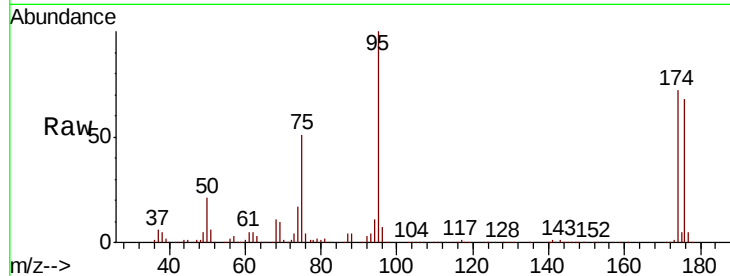
Tot Ion: 95 Resp: 150986

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.2

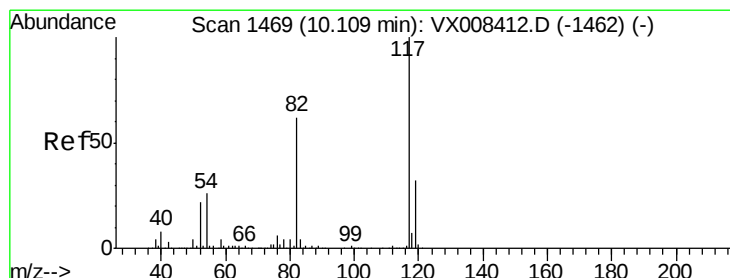
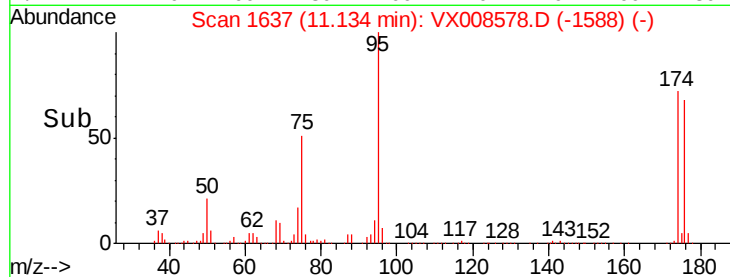
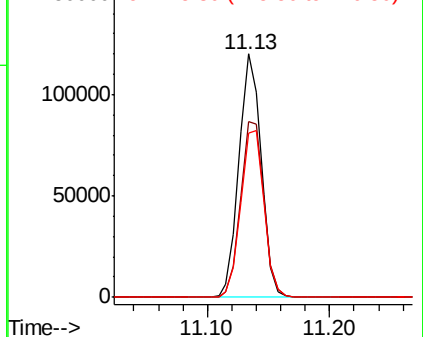
176 72.0 0.0 142.4



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: VX008578.D

Acq: 01 Apr 2019 18:53

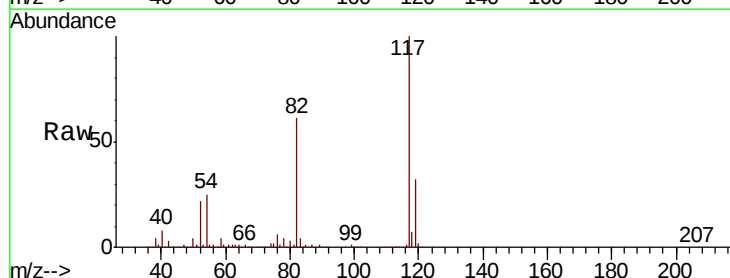
Tgt Ion: 117 Resp: 312340

Ion Ratio Lower Upper

117 100

82 61.0 49.4 74.2

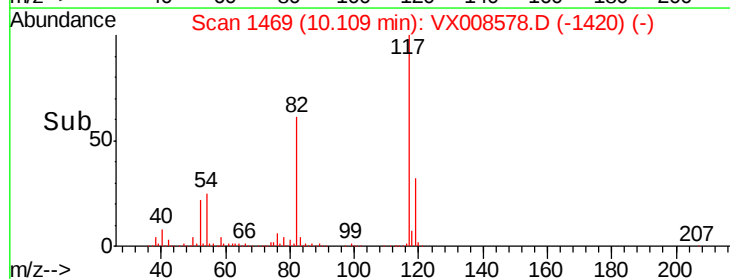
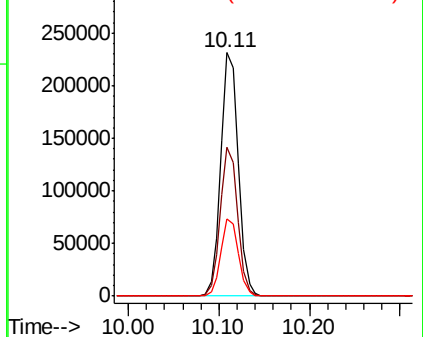
119 31.8 25.4 38.0

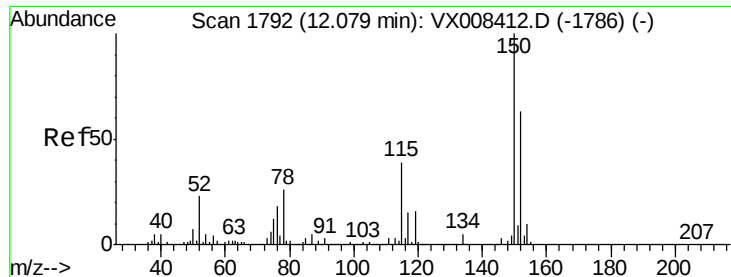


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

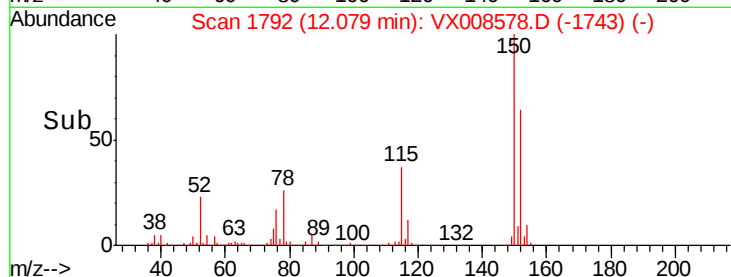
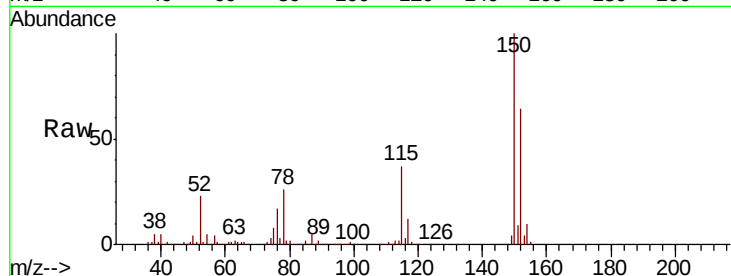
Tot Ion:152 Resp: 123608

Ion Ratio Lower Upper

152 100

115 60.9 43.5 130.5

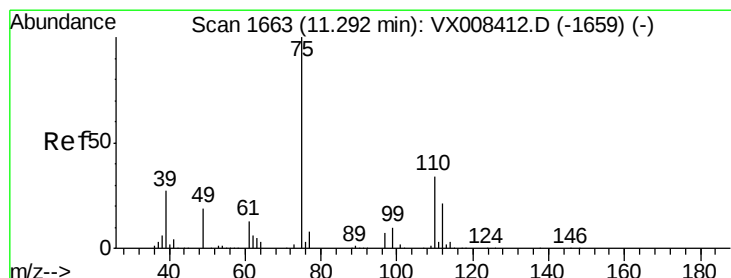
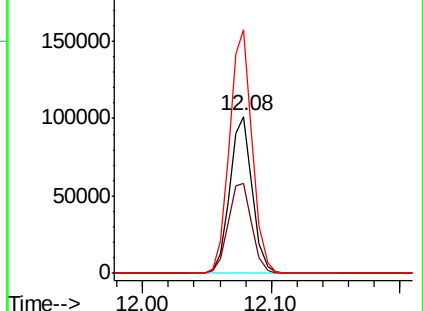
150 157.0 0.0 348.8



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: 20.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008578.D

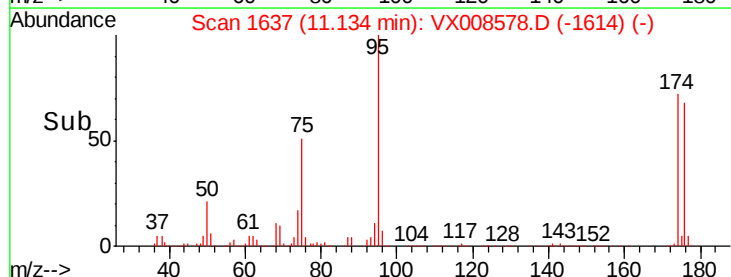
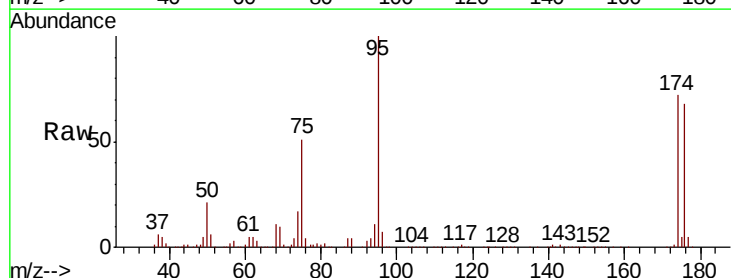
Acq: 01 Apr 2019 18:53

Tgt Ion: 75 Resp: 76012

Ion Ratio Lower Upper

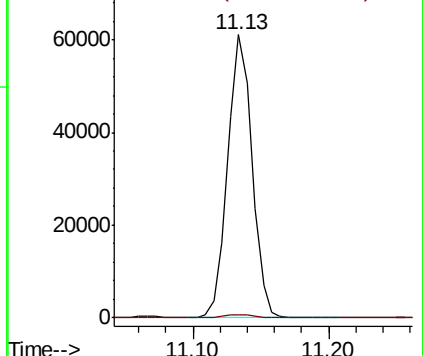
75 100

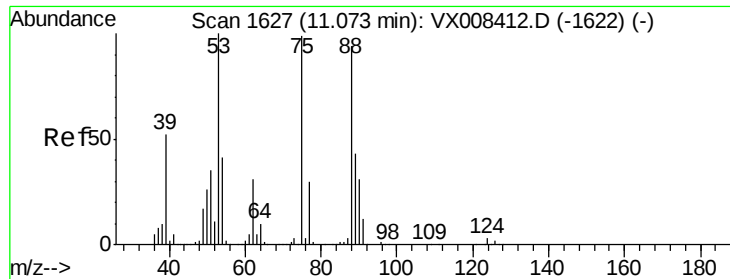
77 1.3 21.9 65.7#



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: 66.251 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008578.D

Acq: 01 Apr 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

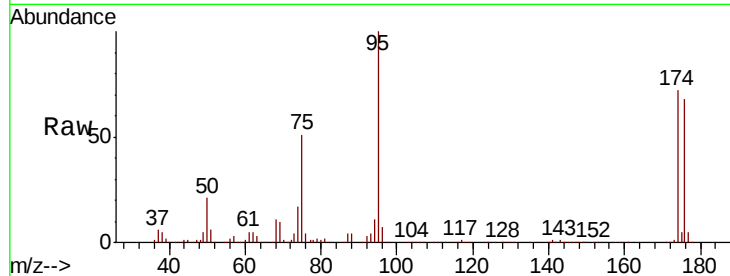
Tot Ion: 75 Resp: 76012

Ion Ratio Lower Upper

75 100

53 0.0 82.1 123.1#

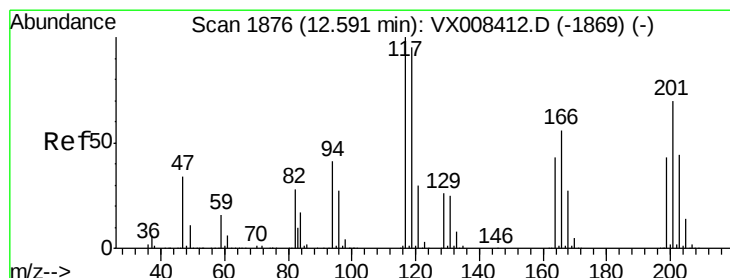
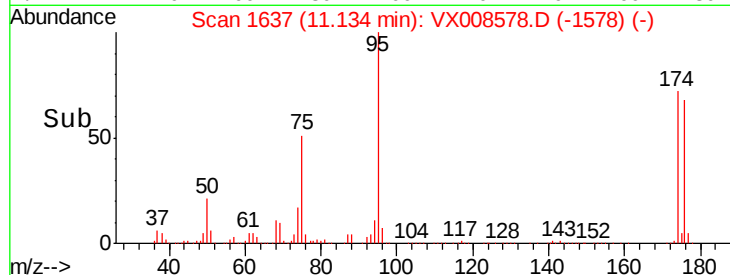
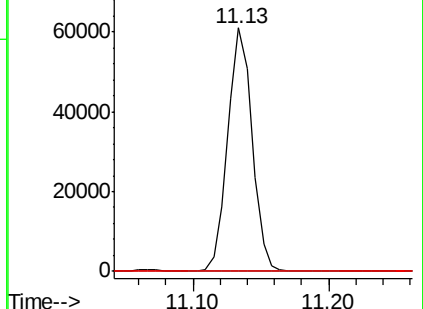
89 0.0 34.6 52.0#



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



#90

Hexachloroethane

Concen: 0.288 ug/l

RT: 12.75 min Scan# 1902

Delta R.T. 0.16 min

Lab File: VX008578.D

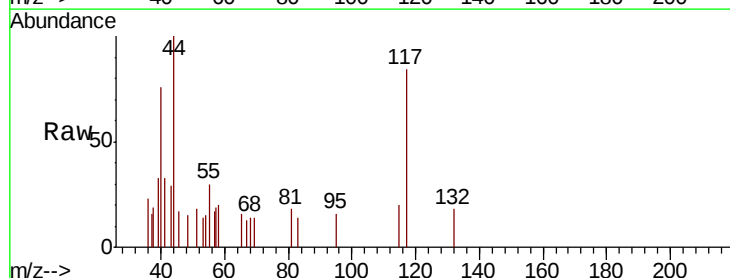
Acq: 01 Apr 2019 18:53

Tgt Ion: 117 Resp: 414

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

