

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009579.D
 Acq On : 15 May 2019 14:50
 Operator : JC/SP
 Sample : K2857-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:10:35 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	181810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101779	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	120813	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	88709	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	8.71	98	362696	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	115251	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

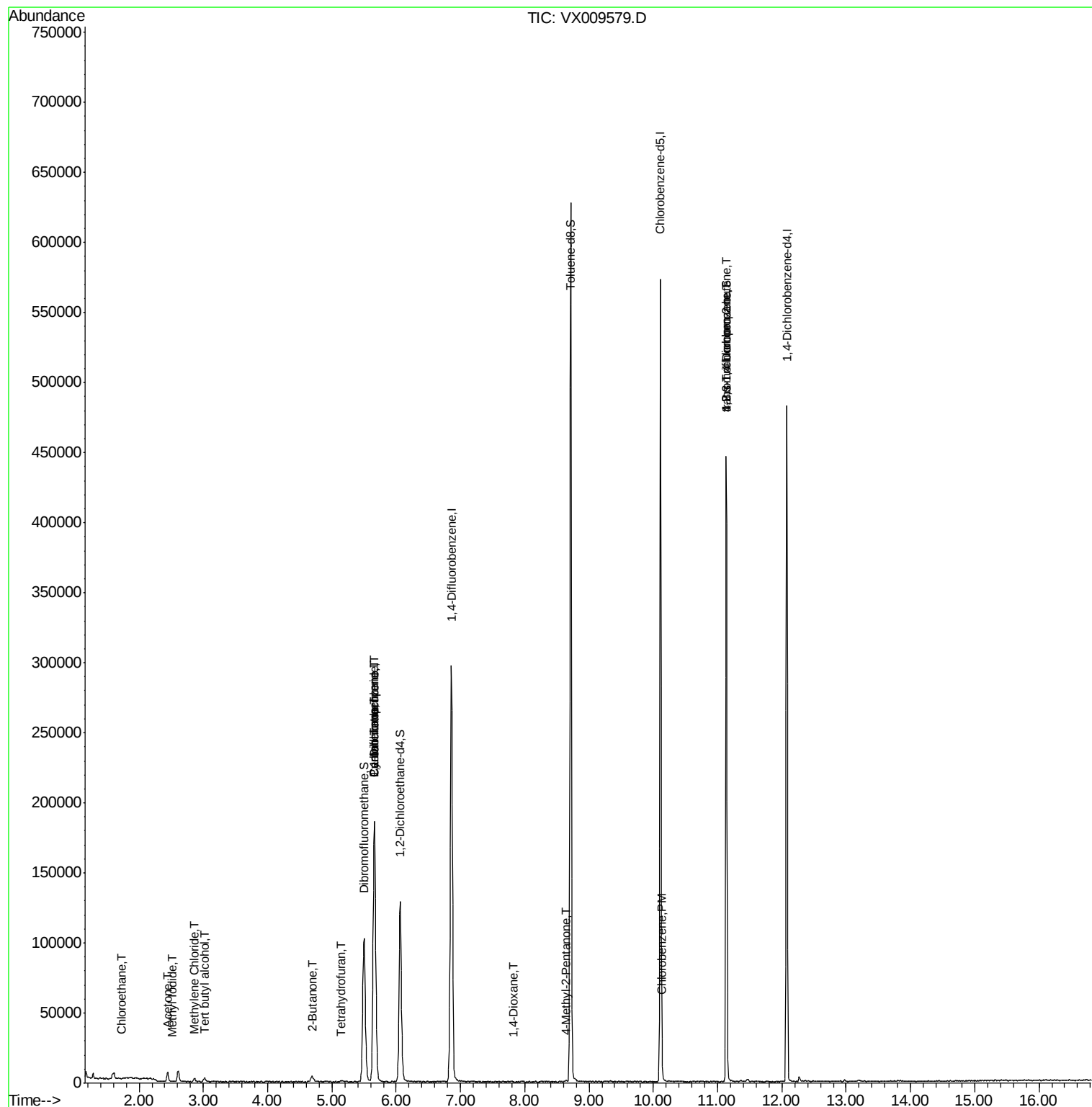
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	301	0.210	ug/l #	43
10) Methyl Iodide	2.52	142	50	4.617	ug/l #	42
11) Tert butyl alcohol	3.03	59	1870	3.255	ug/l #	79
16) Acetone	2.44	43	7291	5.471	ug/l	90
20) Methylene Chloride	2.87	84	896	0.415	ug/l	96
25) 2-Butanone	4.70	43	1652	0.798	ug/l	94
28) Bromochloromethane	4.97	49	82	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	570	0.428	ug/l #	62
31) Cyclohexane	5.66	56	3989	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14048	5.191	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16940	6.890	ug/l #	16
49) 1,4-Dioxane	7.82	88	20	0.330	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	926	0.235	ug/l #	87
65) Chlorobenzene	10.14	112	1332	0.265	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	59117	25.040	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59117	64.068	ug/l #	10

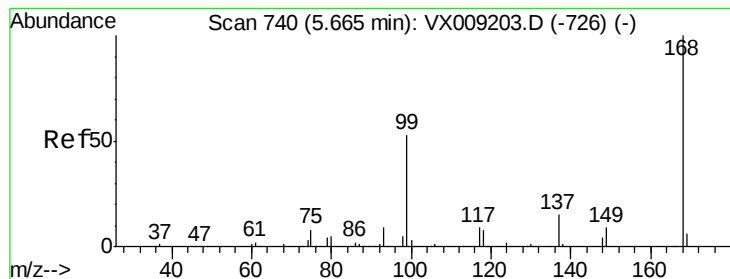
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009579.D

Acq: 15 May 2019 14:50

Instrument :

MSVOA_X

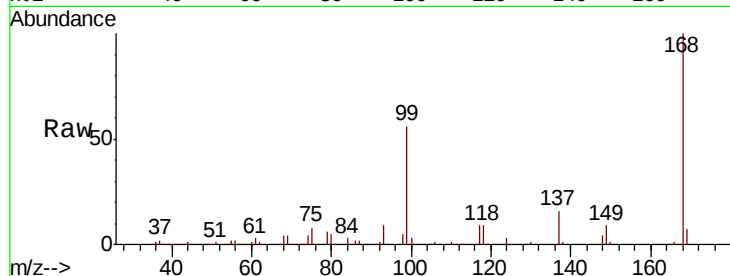
ClientSampleId :

Tot Ion:168 Resp: 181810

Ion Ratio Lower Upper

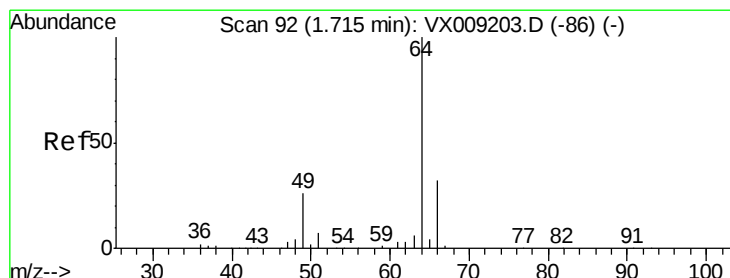
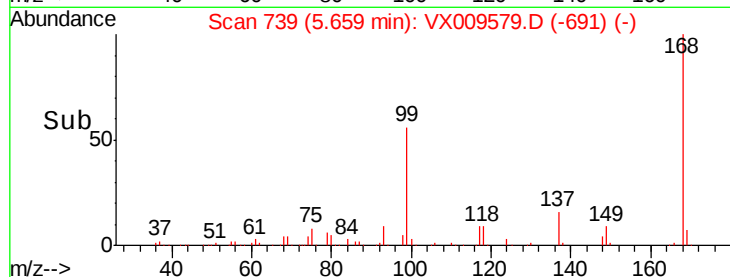
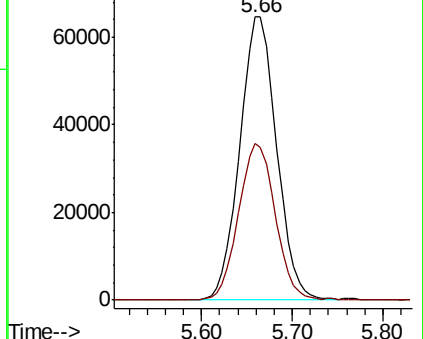
168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009579.D

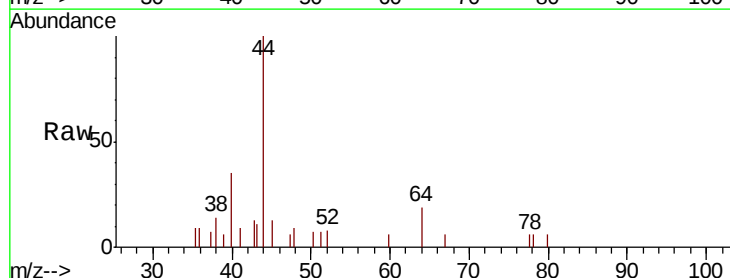
Acq: 15 May 2019 14:50

Tgt Ion: 64 Resp: 301

Ion Ratio Lower Upper

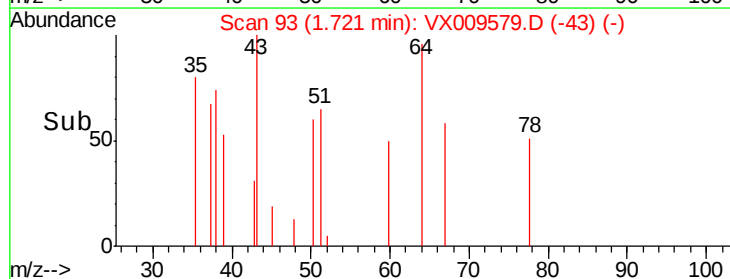
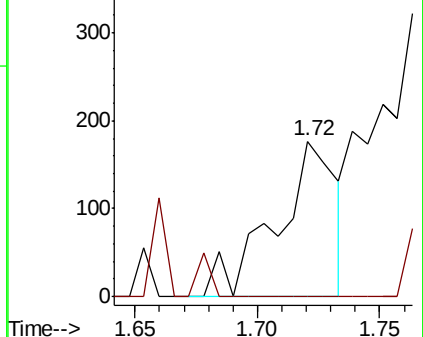
64 100

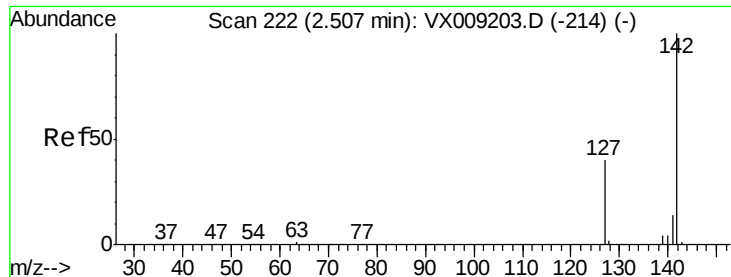
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

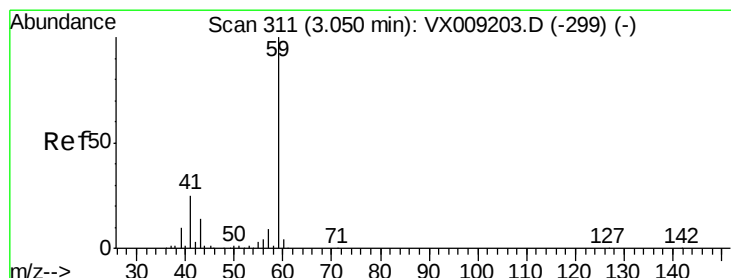
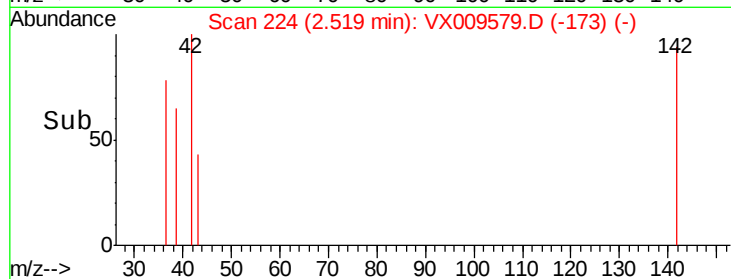
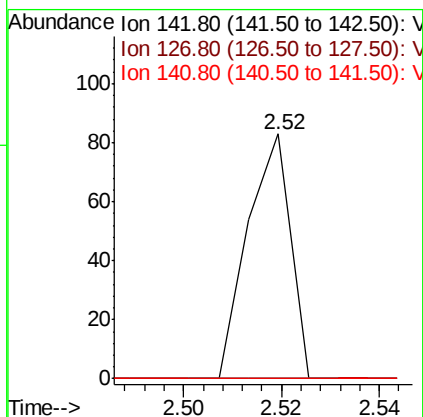
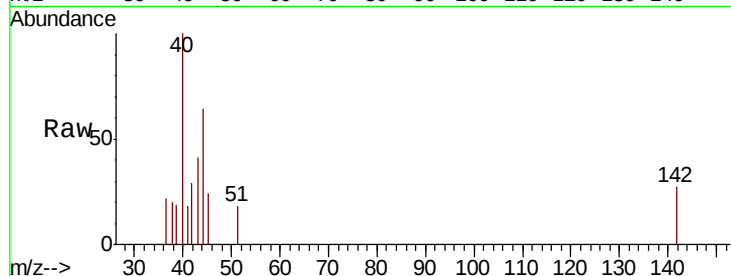




#10
Methvl Iodide
Concen: 4.617 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009579.D
Acq: 15 May 2019 14:50

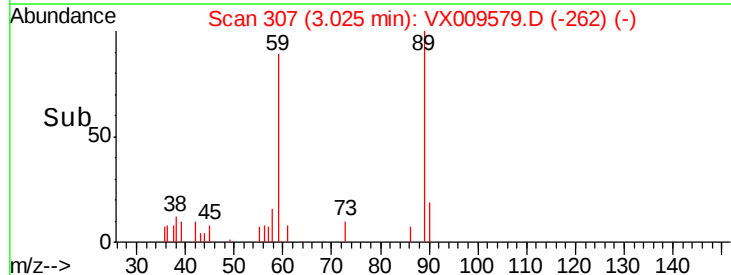
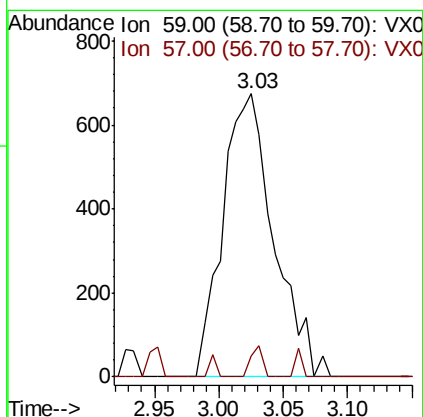
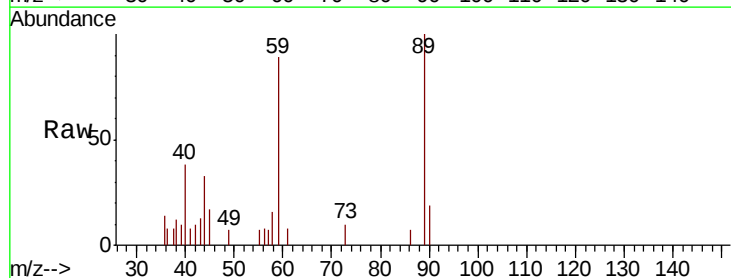
Instrument :
MSVOA_X
ClientSampled :

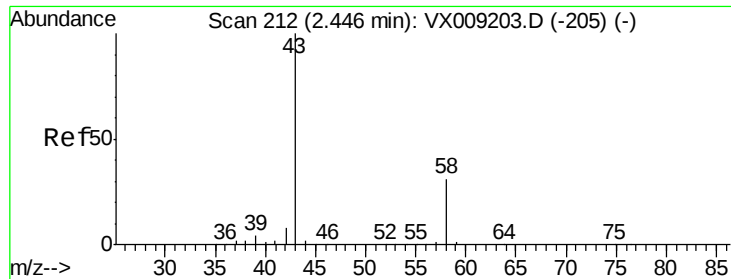
Tot Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.255 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009579.D
Acq: 15 May 2019 14:50

Tgt Ion: 59 Resp: 1870
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.2#





#16

Acetone

Concen: 5.471 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

Instrument :

MSVOA_X

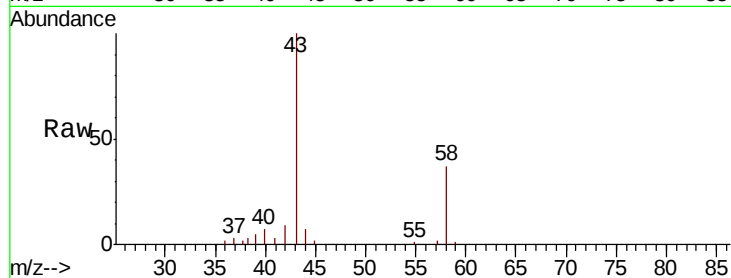
ClientSampleId :

Tot Ion: 43 Resp: 7291

Ion Ratio Lower Upper

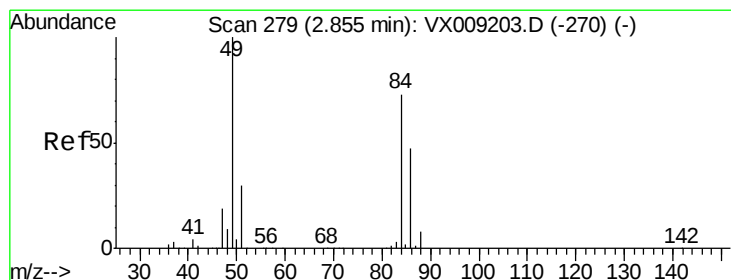
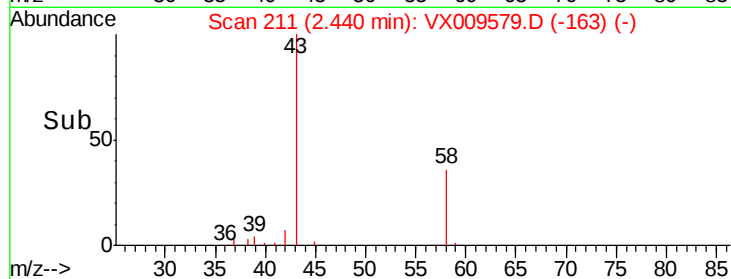
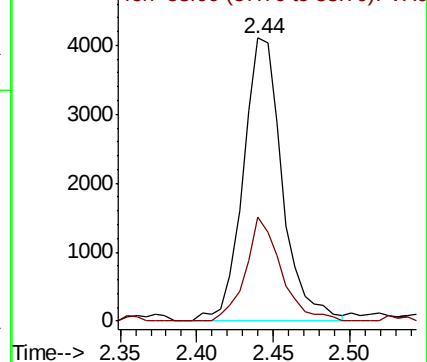
43 100

58 36.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.415 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

Tgt Ion: 84 Resp: 896

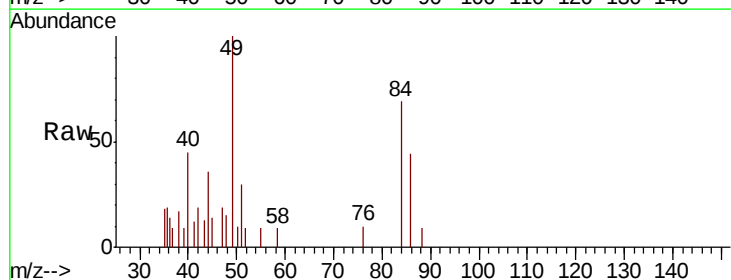
Ion Ratio Lower Upper

84 100

49 144.6 109.9 164.9

51 43.1 32.7 49.1

86 63.9 52.0 78.0

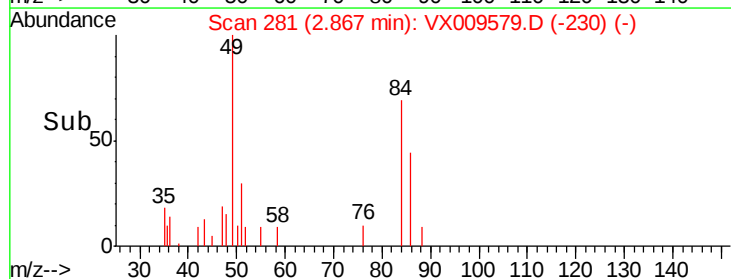
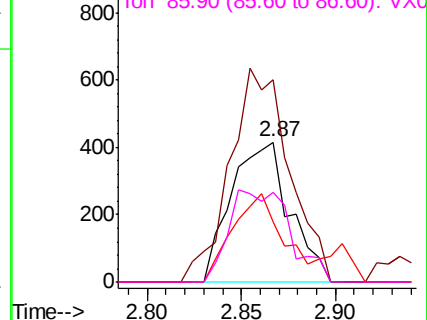


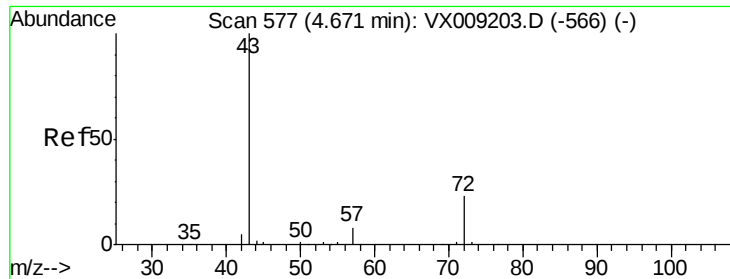
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.798 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

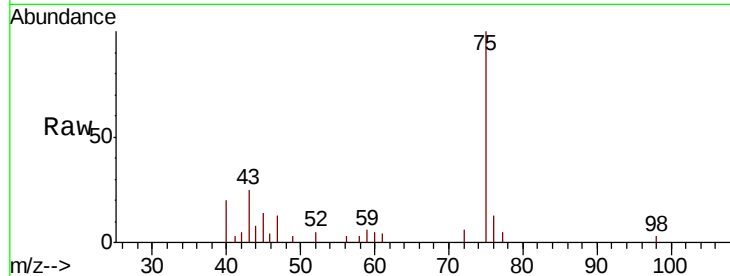
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1652

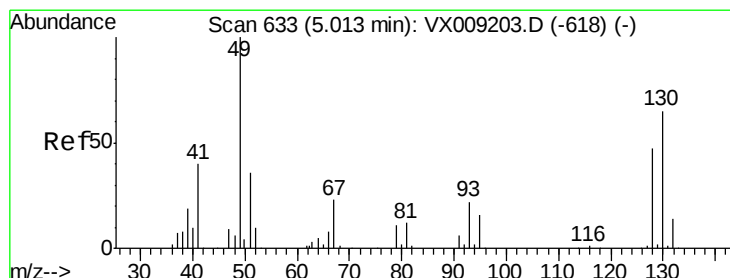
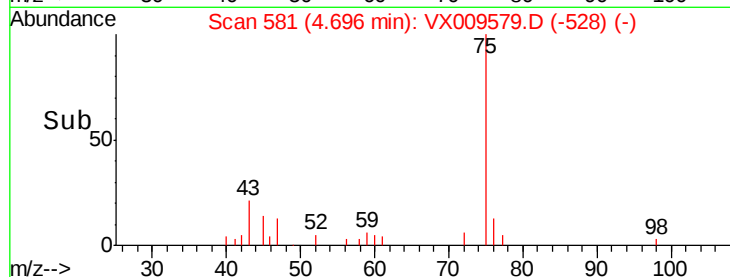
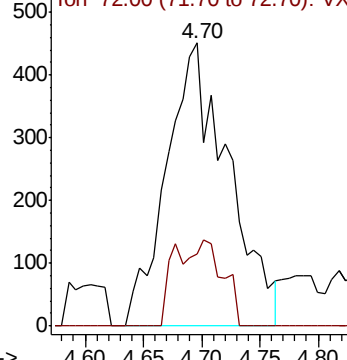
Ion Ratio Lower Upper

43 100

72 25.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 626

Delta R.T. -0.04 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

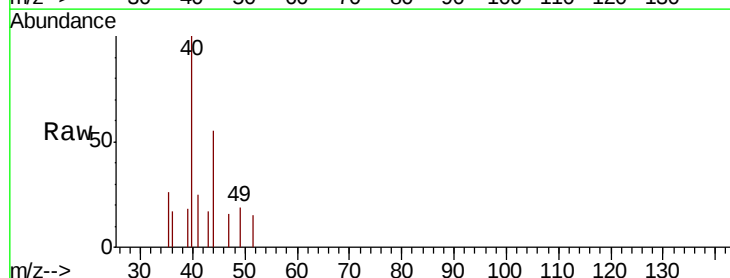
Tgt Ion: 49 Resp: 82

Ion Ratio Lower Upper

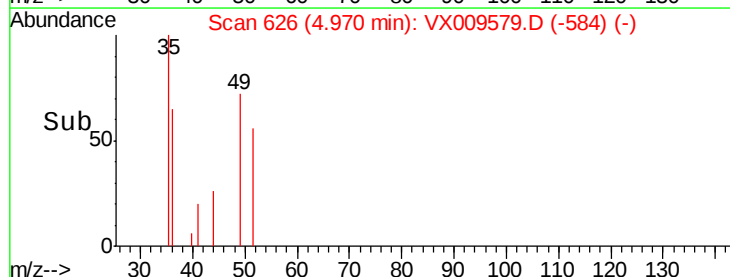
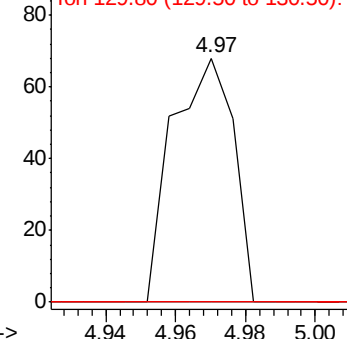
49 100

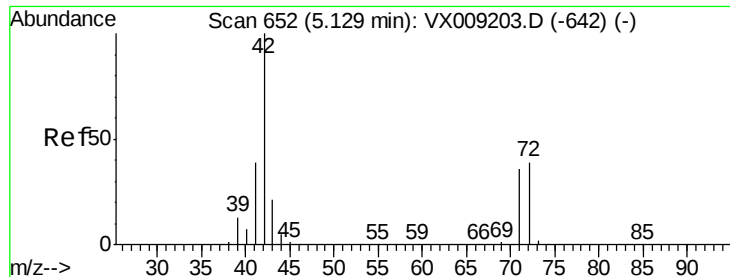
129 0.0 0.0 3.8

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





#29

Tetrahydrofuran

Concen: 0.428 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

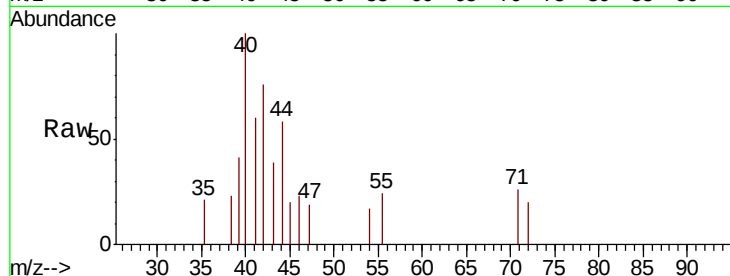
Tot Ion: 42 Resp: 570

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

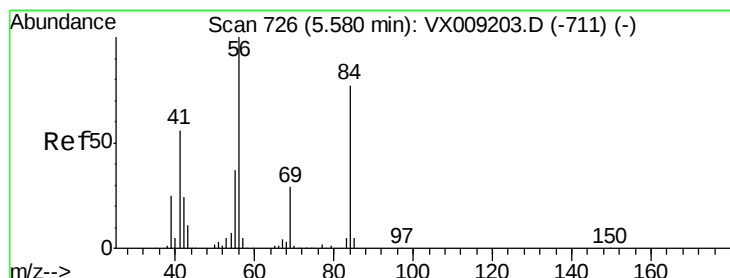
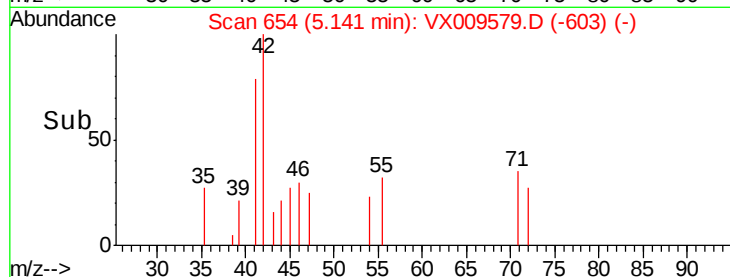
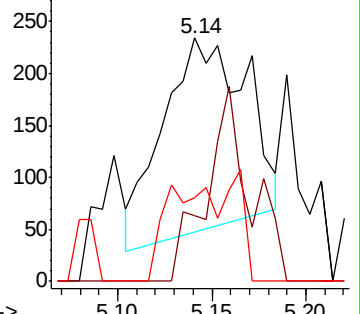
71 29.6 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

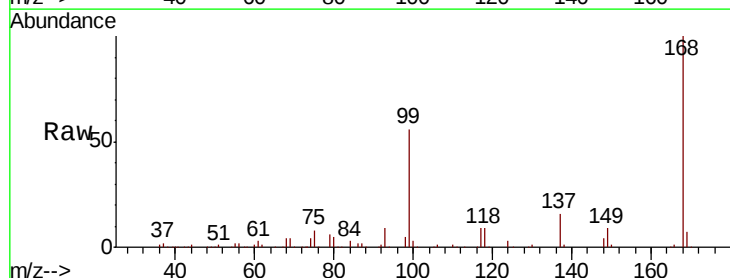
Tgt Ion: 56 Resp: 3989

Ion Ratio Lower Upper

56 100

69 175.9 23.4 35.0#

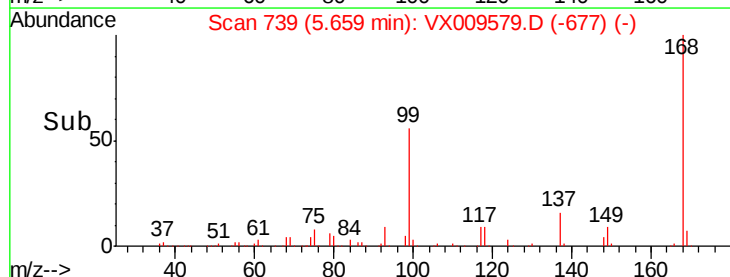
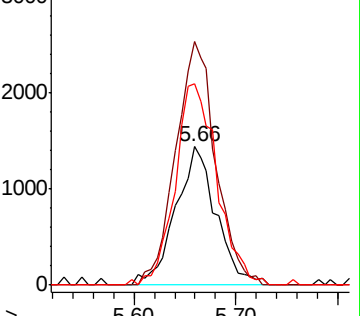
84 145.9 61.9 92.9#

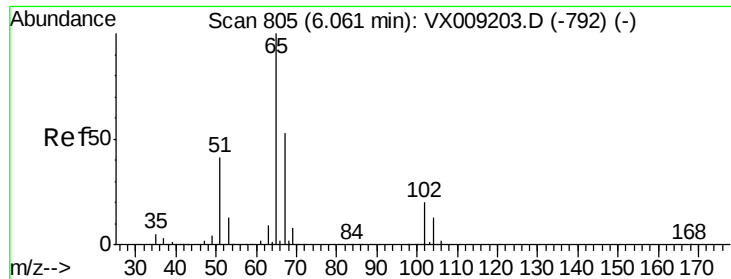


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.677 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

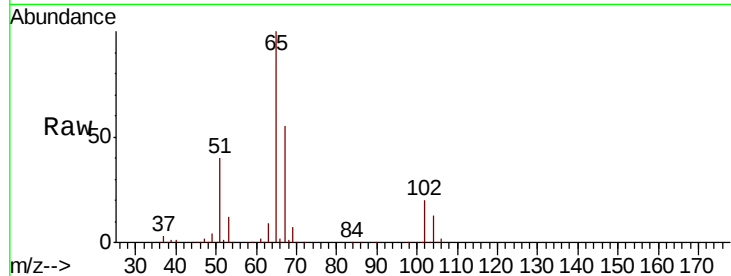
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 65 Resp: 120813

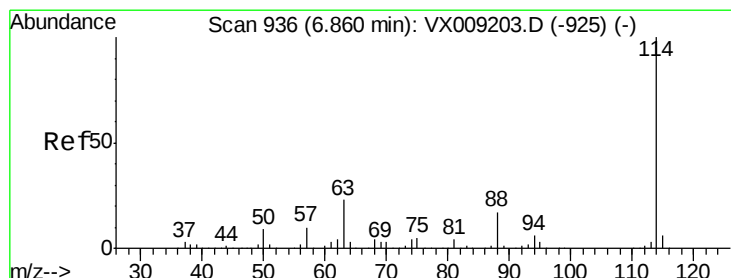
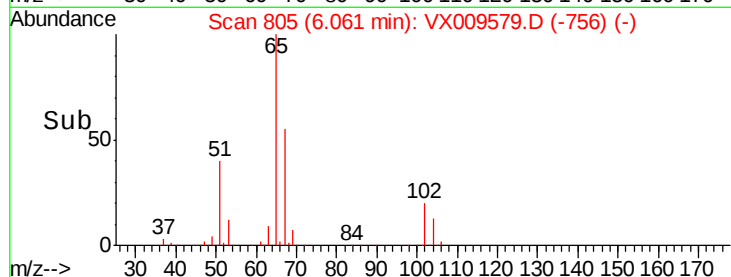
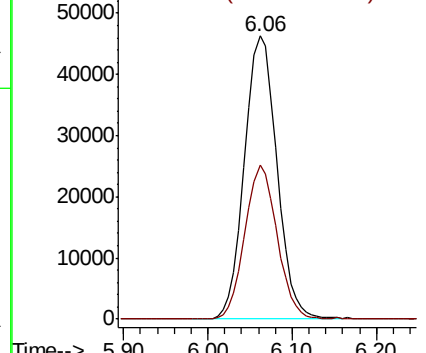
Ion Ratio Lower Upper

65 100

67 53.9 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: VX009579.D

Acq: 15 May 2019 14:50

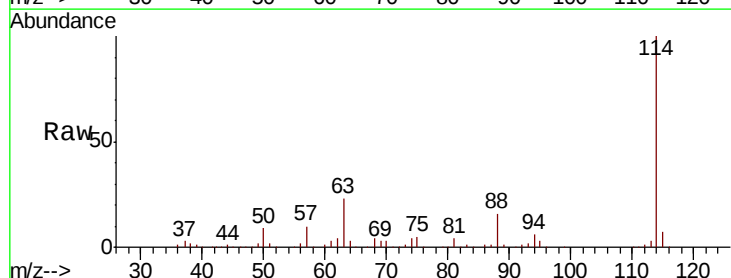
Tgt Ion: 114 Resp: 291208

Ion Ratio Lower Upper

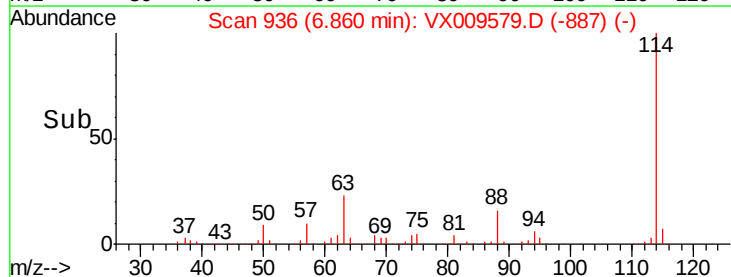
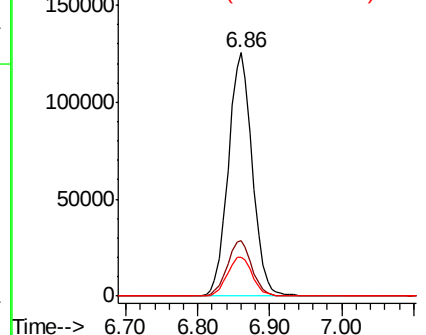
114 100

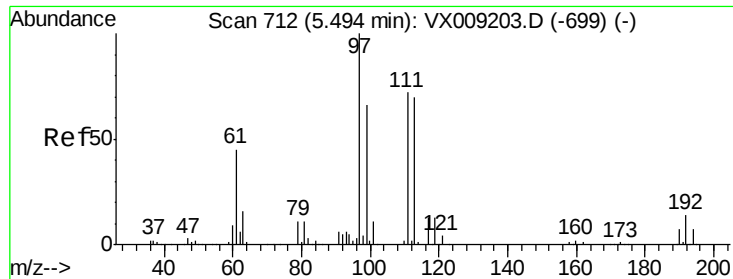
63 22.6 0.0 45.6

88 16.2 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

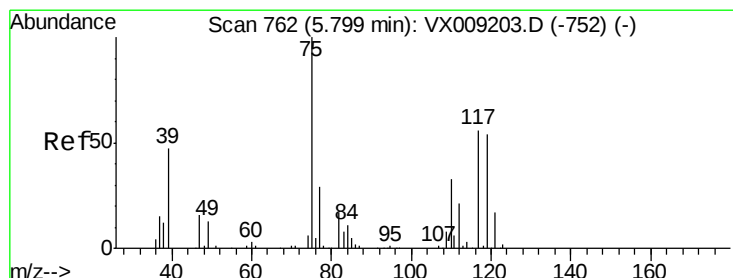
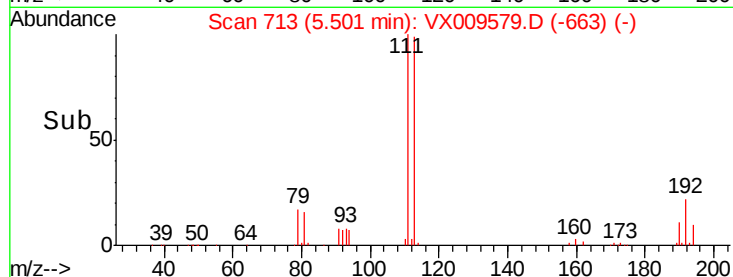
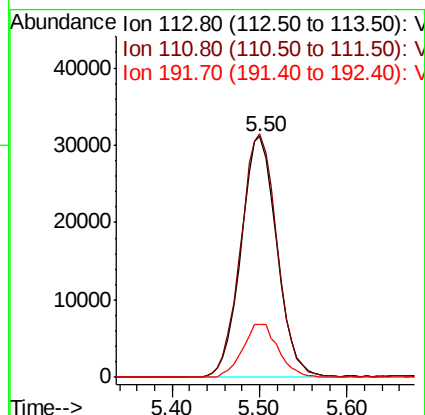
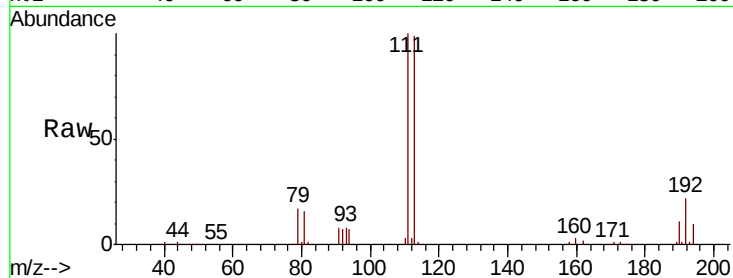




#35
 Dibromofluoromethane
 Concen: 48.458 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009579.D
 Acq: 15 May 2019 14:50

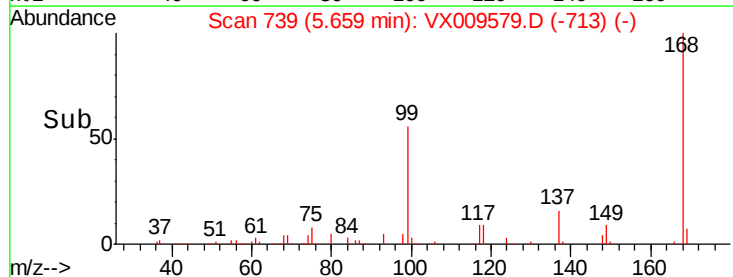
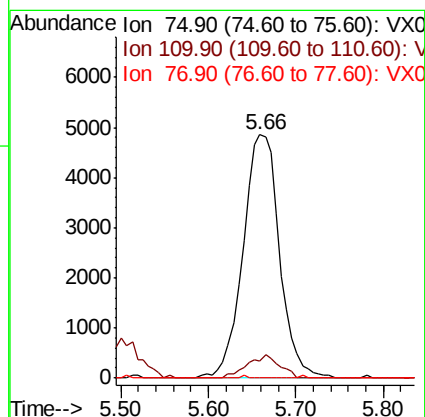
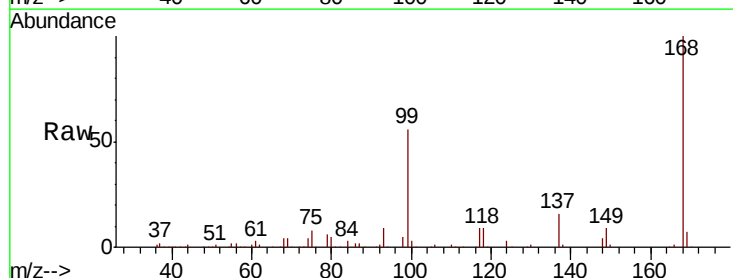
Instrument :
 MSVOA_X
 ClientSampleId :

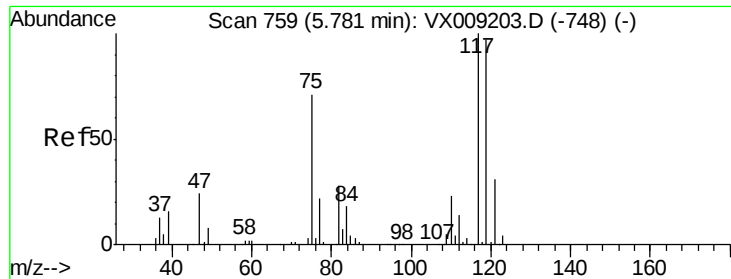
Tot Ion:113 Resp: 88709
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.191 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009579.D
 Acq: 15 May 2019 14:50

Tgt Ion: 75 Resp: 14048
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.890 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

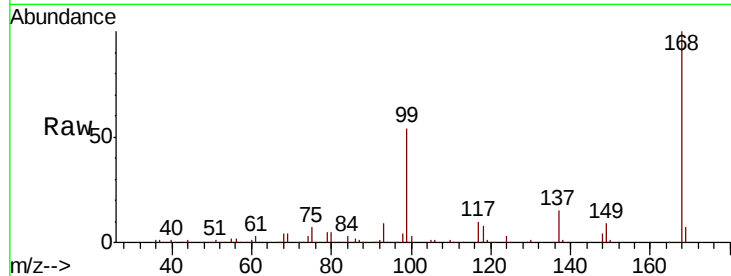
Tot Ion: 117 Resp: 16940

Ion Ratio Lower Upper

117 100

119 5.7 77.5 116.3#

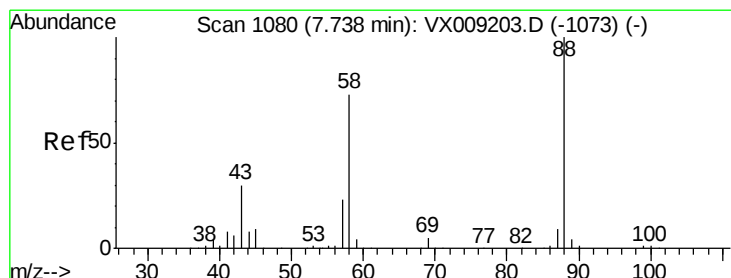
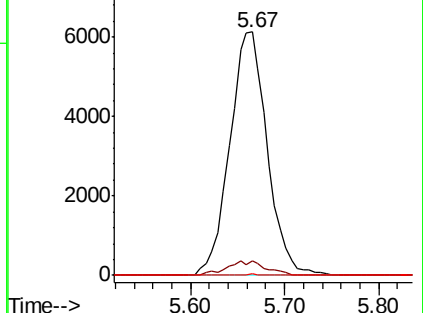
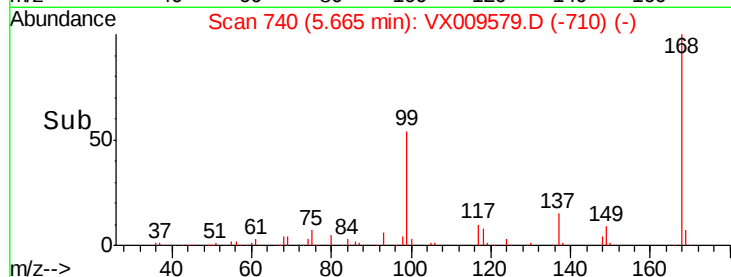
121 0.9 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.330 ug/l

RT: 7.82 min Scan# 1094

Delta R.T. 0.09 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

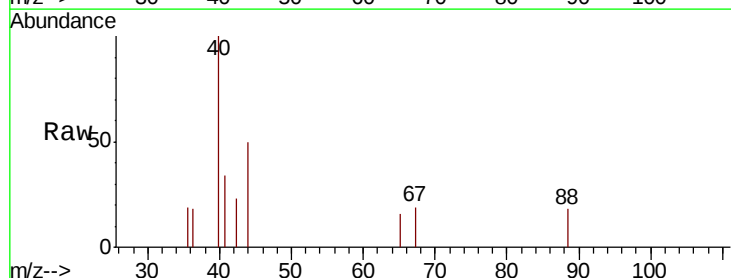
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 120.0 28.6 42.8#

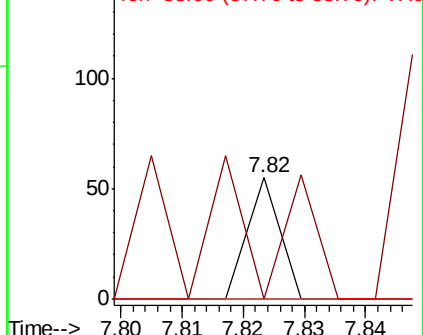
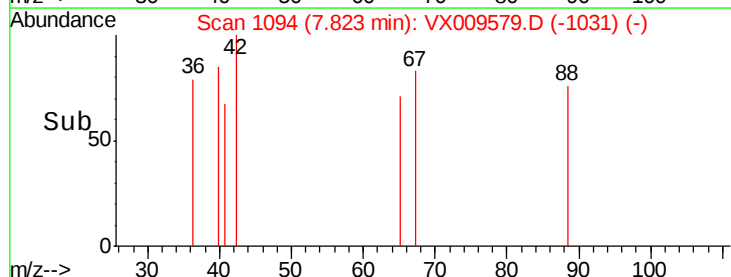
58 0.0 61.7 92.5#

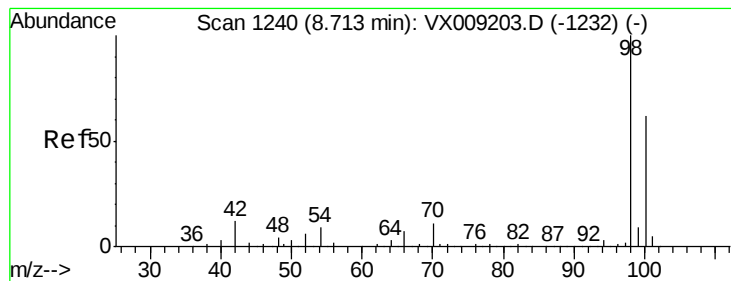


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.074 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

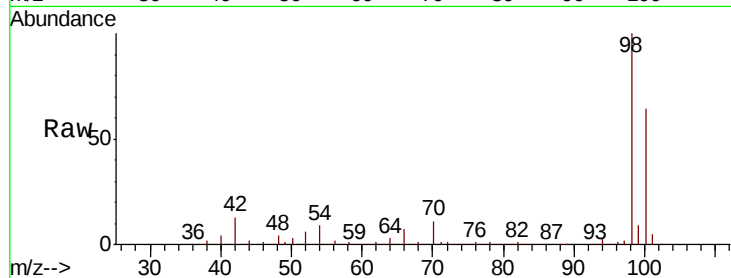
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 362696

Ion Ratio Lower Upper

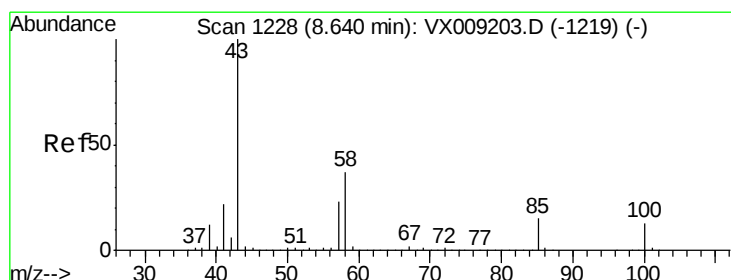
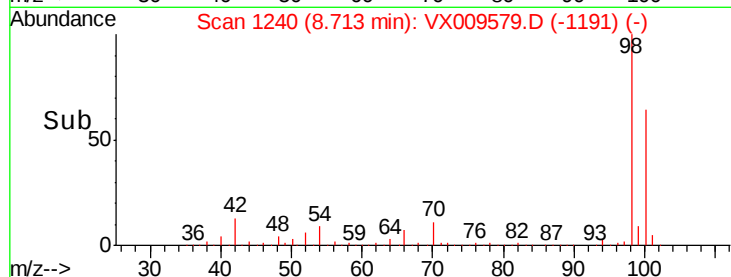
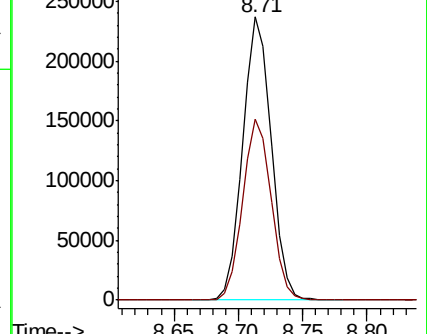
98 100

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): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009579.D

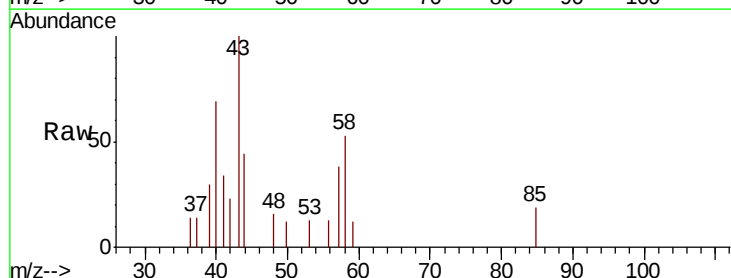
Acq: 15 May 2019 14:50

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

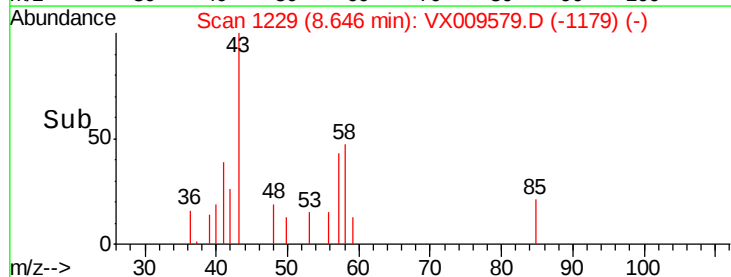
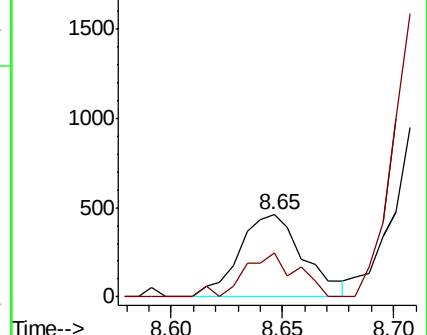
43 100

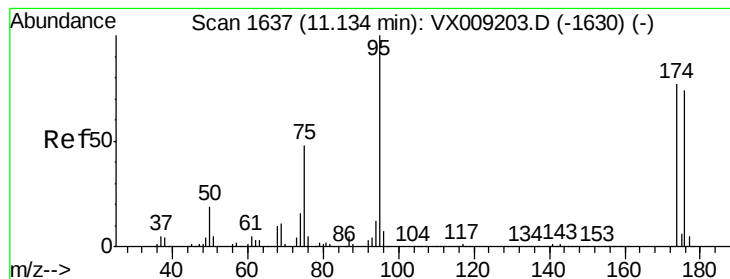
58 44.6 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

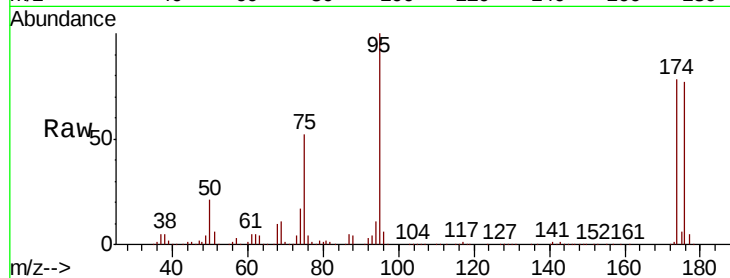
Tot Ion: 95 Resp: 115251

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

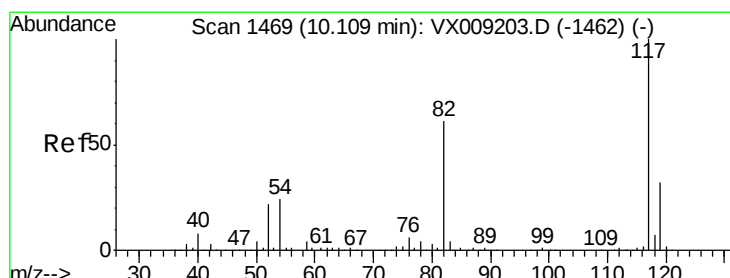
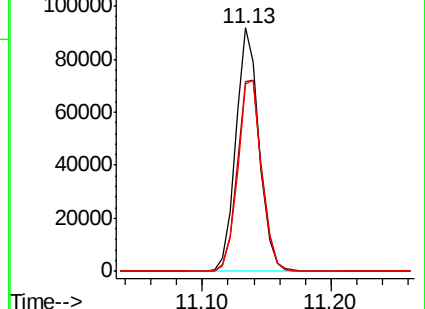
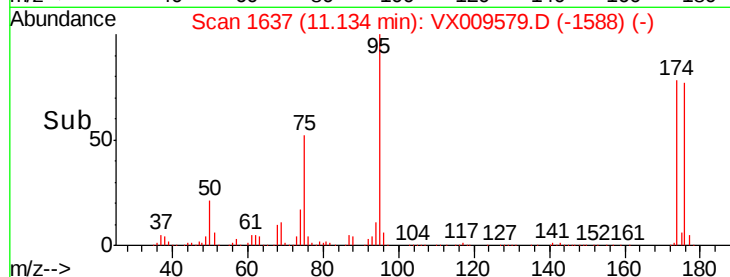
176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009579.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009579.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009579.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009579.D

Acq: 15 May 2019 14:50

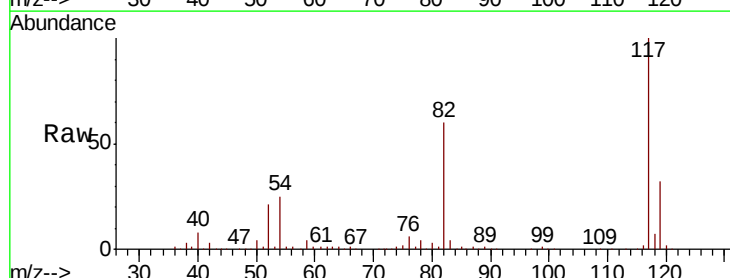
Tgt Ion: 117 Resp: 250903

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

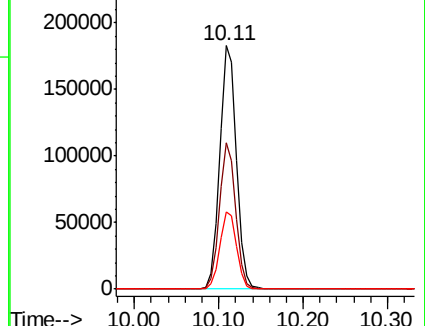
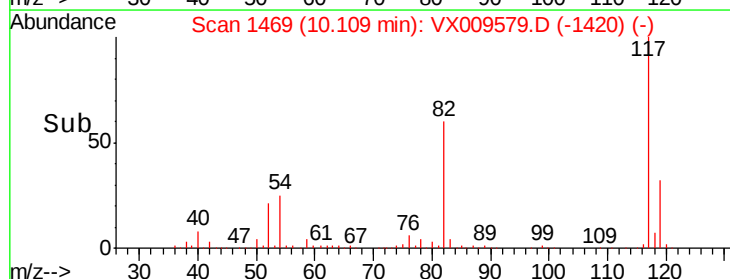
119 31.7 25.8 38.6

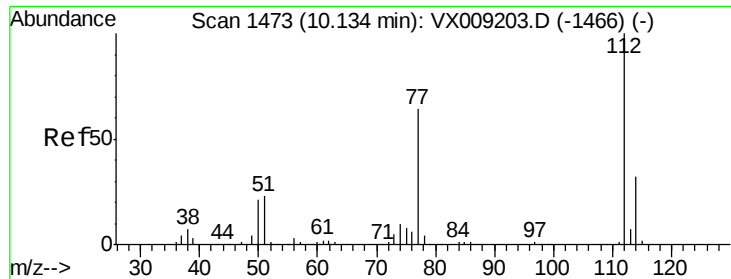


Abundance Ion 116.90 (116.60 to 117.60): VX009579.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009579.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009579.D (-1420) (-)

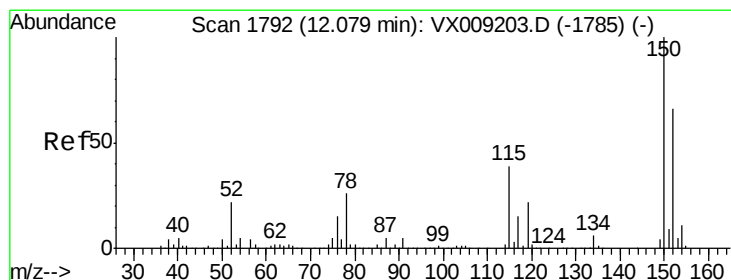
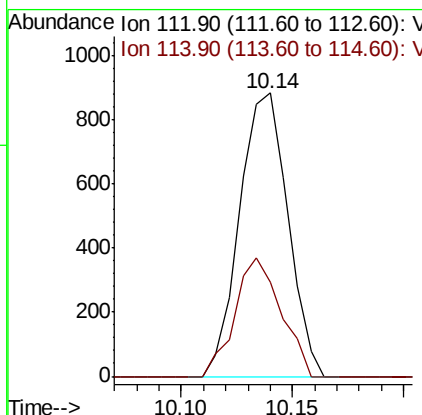
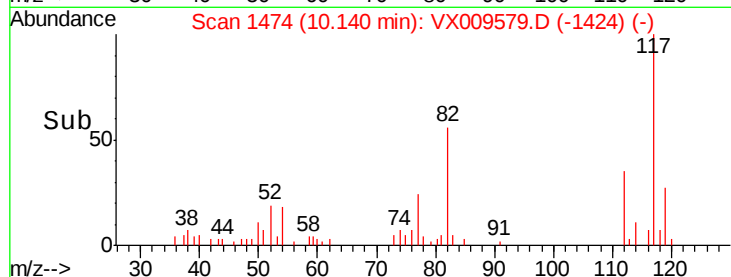
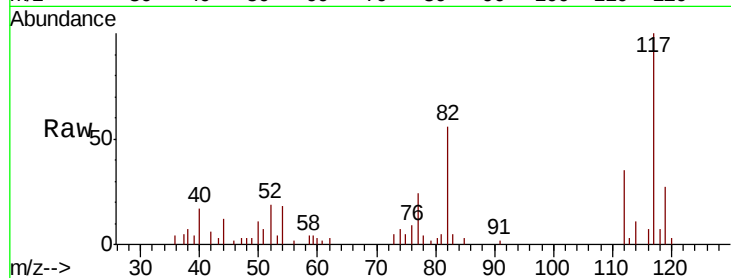




#65
Chlorobenzene
Concen: 0.265 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009579.D
Acq: 15 May 2019 14:50

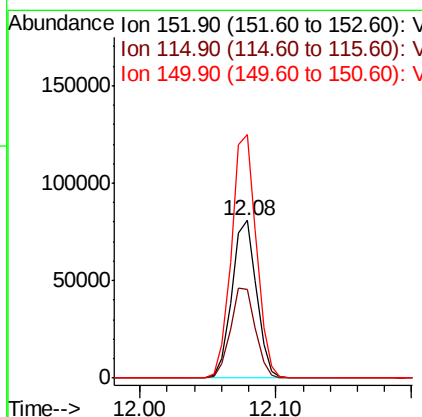
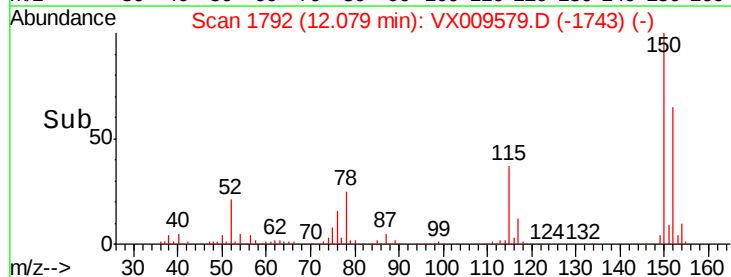
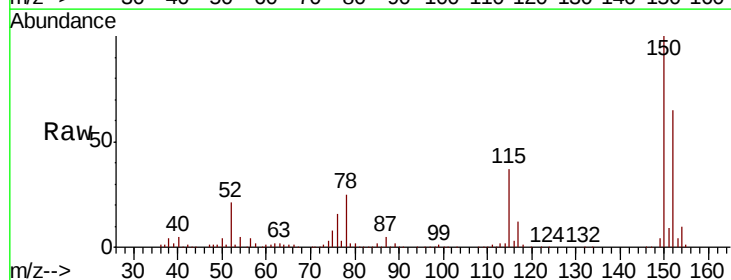
Instrument :
MSVOA_X
ClientSampleId :

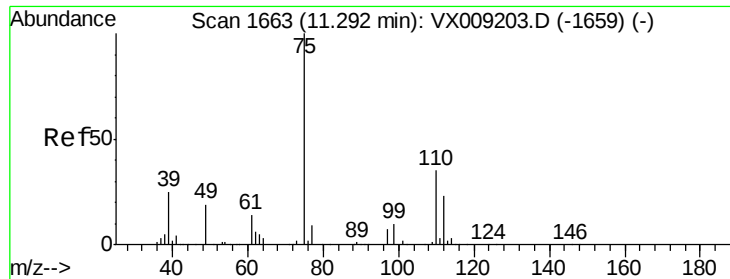
Tot Ion:112 Resp: 1332
Ion Ratio Lower Upper
112 100
114 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009579.D
Acq: 15 May 2019 14:50

Tgt Ion:152 Resp: 101779
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 156.3 0.0 346.4

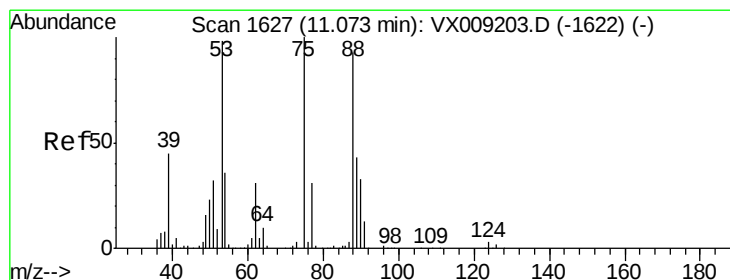
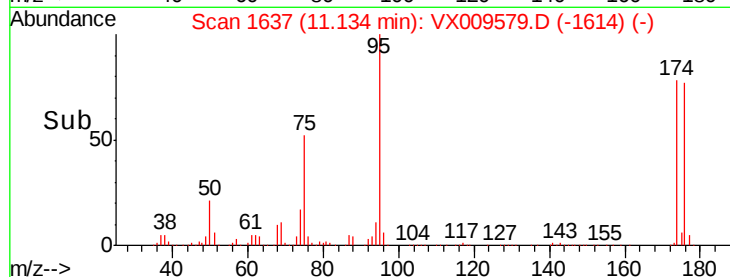
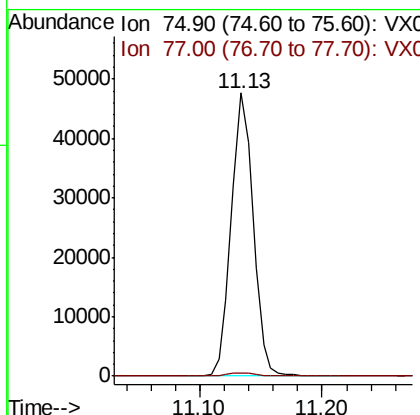
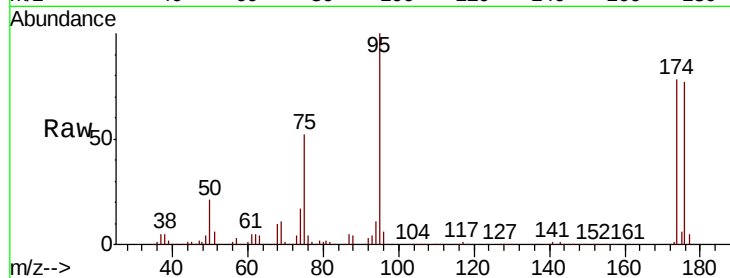




#76
 1,2,3-Trichloropropane
 Concen: 25.040 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009579.D
 Acq: 15 May 2019 14:50

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 59117
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.068 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009579.D
 Acq: 15 May 2019 14:50

Tgt Ion: 75 Resp: 59117
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.1 34.7 52.1#

