

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016628.D
 Acq On : 08 Jun 2020 11:01
 Operator : JC/SP
 Sample : VX0608WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

Quant Time: Jun 09 05:42:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	229858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	360570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	353079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	167032	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	131558	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	5.46	113	108454	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	8.70	98	434637	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.12	95	164729	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	526	0.37	ug/l	81
10) Methyl Iodide	2.50	142	867	3.38	ug/l #	91
12) 1,1-Dichloroethene	2.34	96	494	0.22	ug/l #	1
13) Acrolein	2.27	56	550	1.77	ug/l	94
15) Acrylonitrile	3.11	53	468	0.31	ug/l #	55
16) Acetone	2.42	43	1157	0.93	ug/l #	42
17) Carbon Disulfide	2.55	76	1573	0.24	ug/l #	93
31) Cyclohexane	5.63	56	4314	1.09	ug/l #	6
36) 1,1-Dichloropropene	5.62	75	16155	4.73	ug/l #	42
38) Carbon Tetrachloride	5.62	117	22540	6.28	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	80999	22.06	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	80999	54.27	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	962	0.28	ug/l	82
94) Hexachlorobutadiene	13.76	225	596	0.45	ug/l	96
96) 1,2,3-Trichlorobenzene	14.00	180	871	0.26	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016628.D

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MSVOA_X

ClientSampleId :

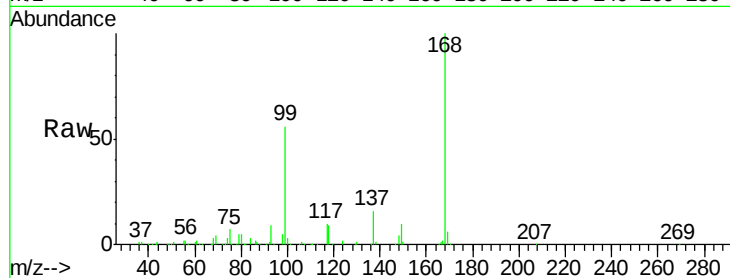
VX0608WBL01

Tgt Ion:168 Resp: 229858

Ion Ratio Lower Upper

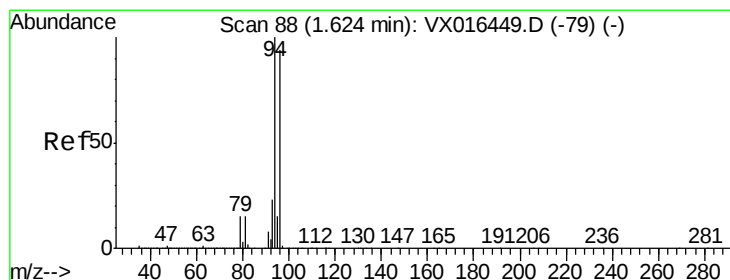
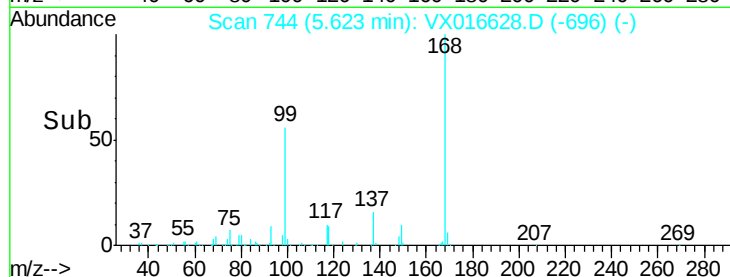
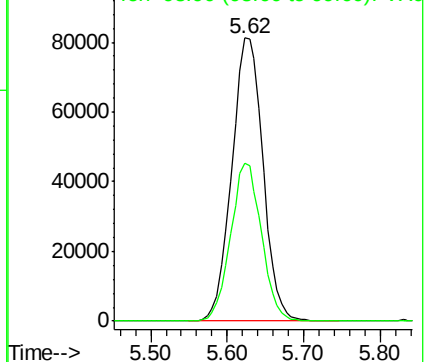
168 100

99 56.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.37 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016628.D

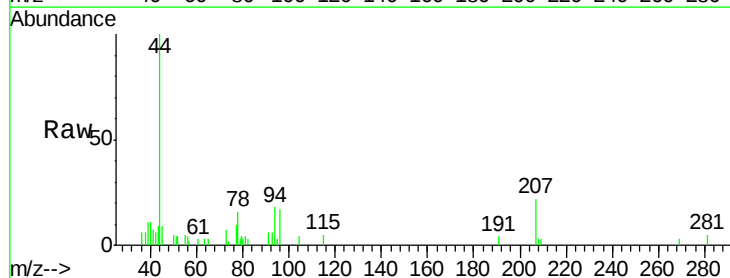
Acq: 08 Jun 2020 11:01

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

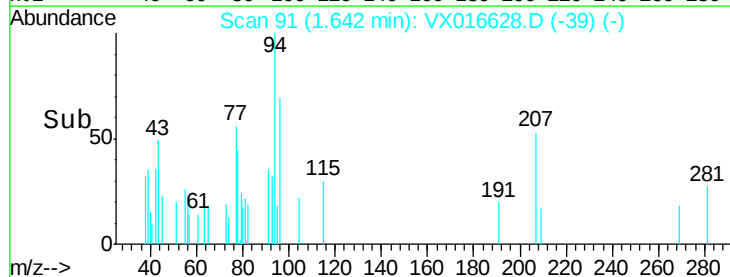
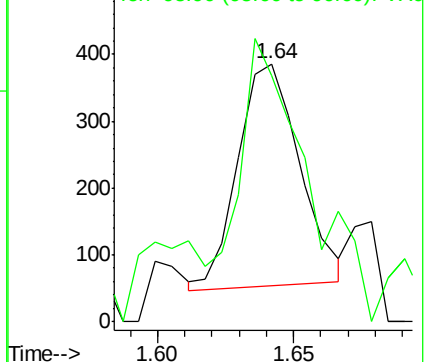
94 100

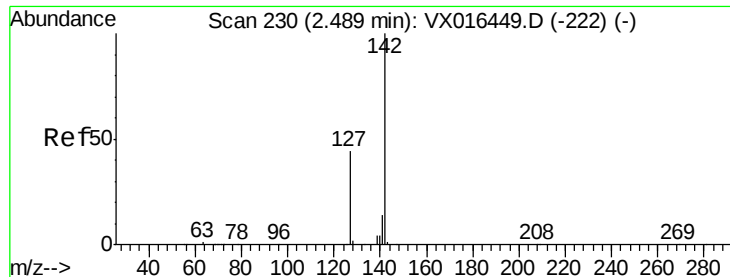
96 75.8 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

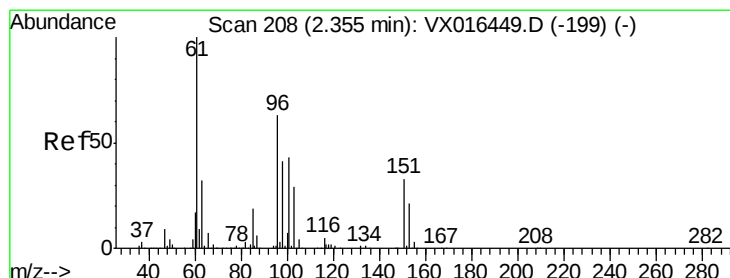
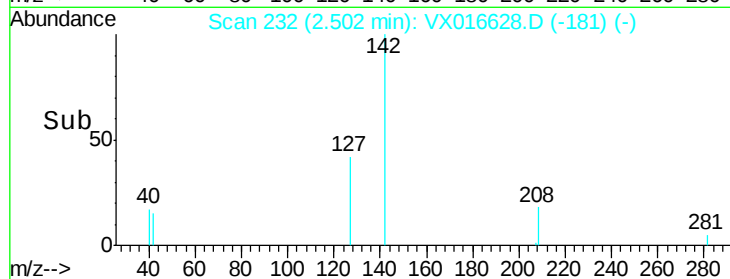
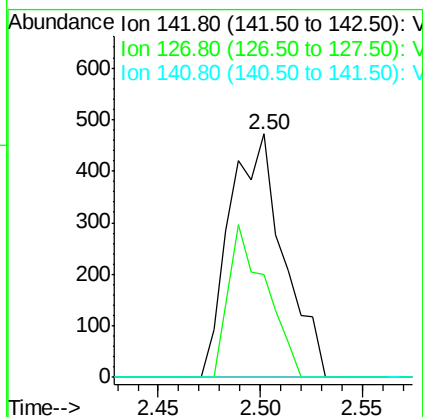
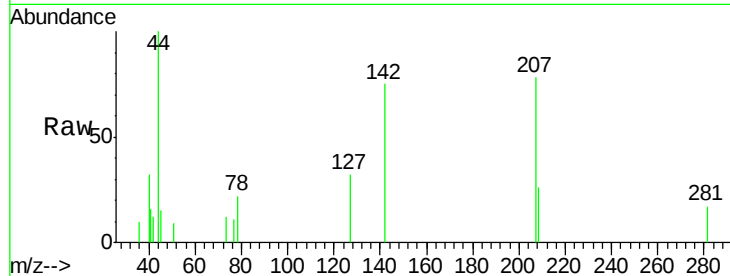




#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

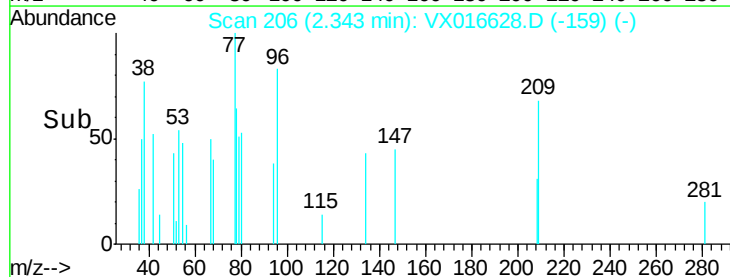
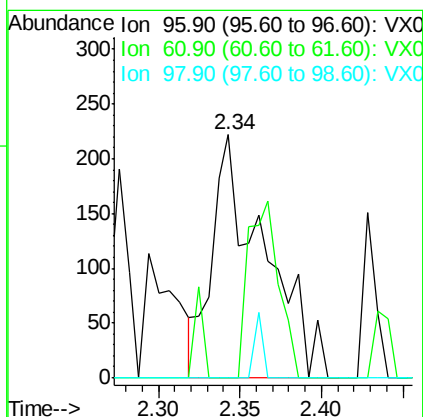
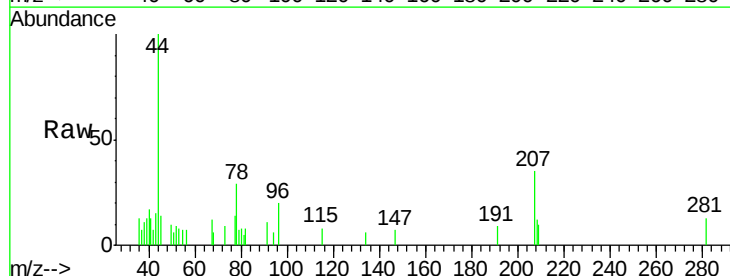
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

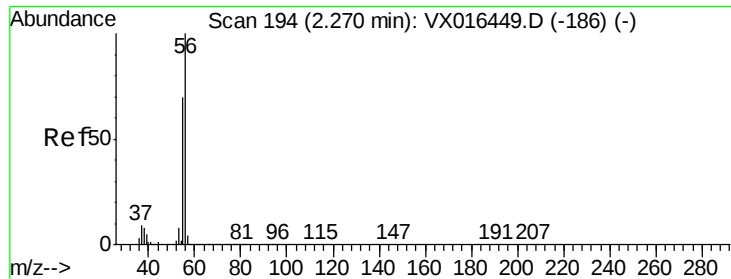
Tgt Ion: 142 Resp: 867
Ion Ratio Lower Upper
142 100
127 43.8 35.3 52.9
141 0.0 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 0.22 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.01 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

Tgt Ion: 96 Resp: 494
Ion Ratio Lower Upper
96 100
61 0.0 126.6 189.8#
98 0.0 51.3 76.9#





#13

Acrolein

Concen: 1.77 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

Instrument :

MSVOA_X

ClientSampled :

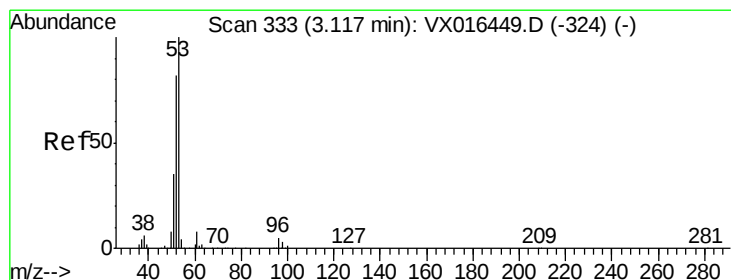
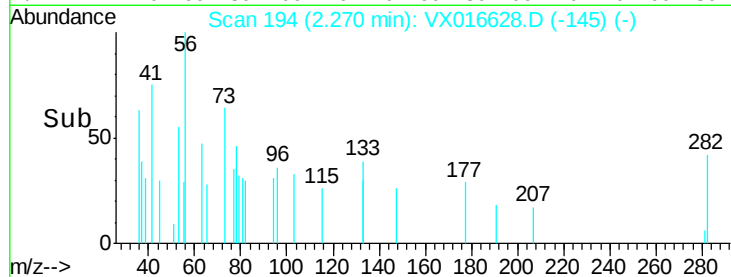
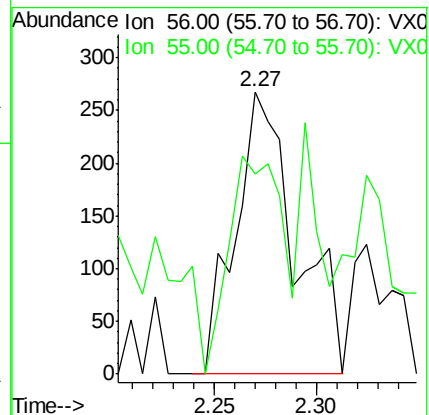
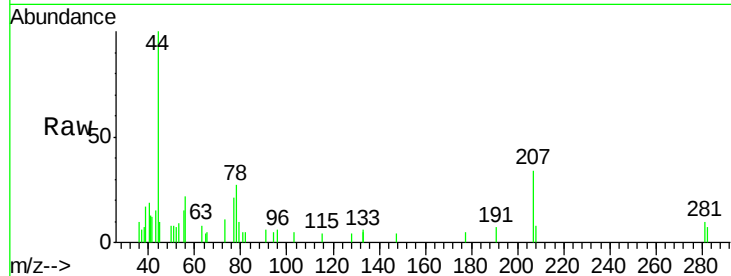
VX0608WBL01

Tgt Ion: 56 Resp: 550

Ion Ratio Lower Upper

56 100

55 68.0 58.3 87.5



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.11 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

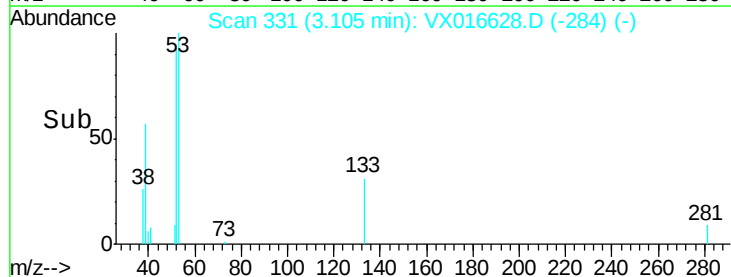
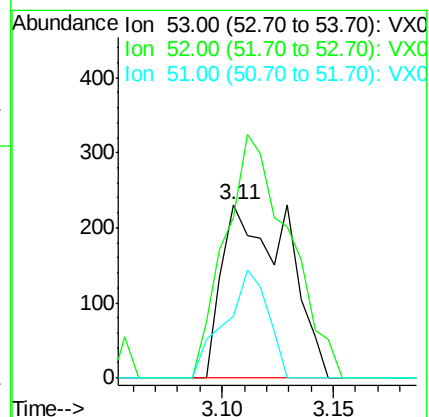
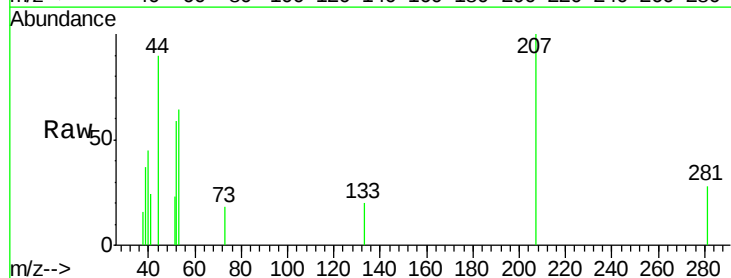
Tgt Ion: 53 Resp: 468

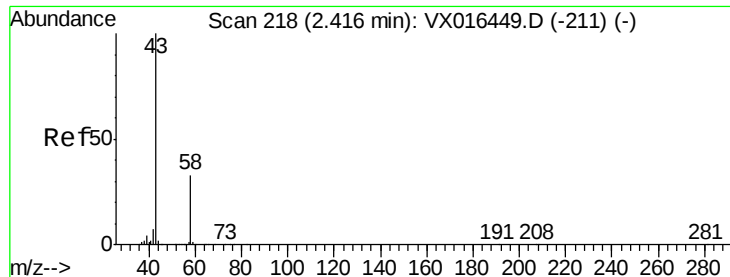
Ion Ratio Lower Upper

53 100

52 138.5 66.7 100.1#

51 41.2 28.6 43.0





#16

Acetone

Concen: 0.93 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

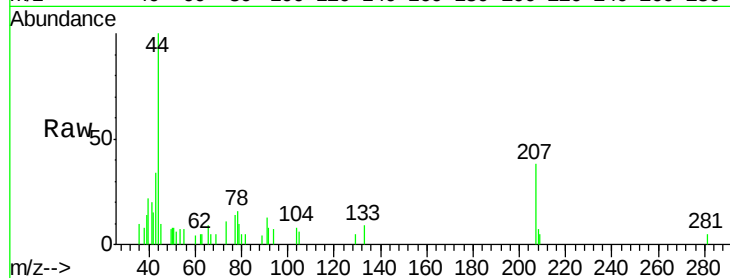
VX0608WBL01

Tgt Ion: 43 Resp: 1157

Ion Ratio Lower Upper

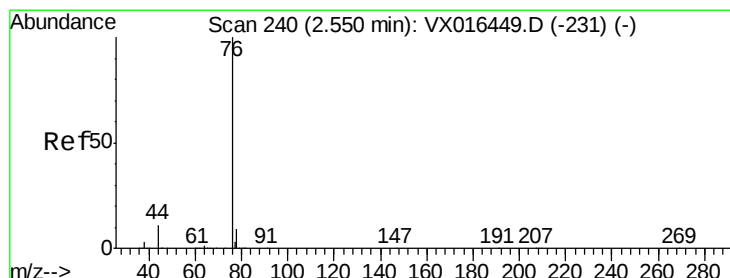
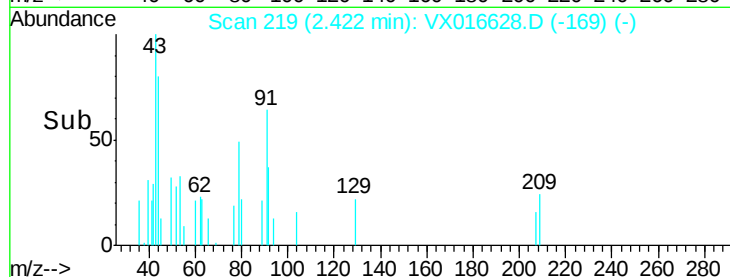
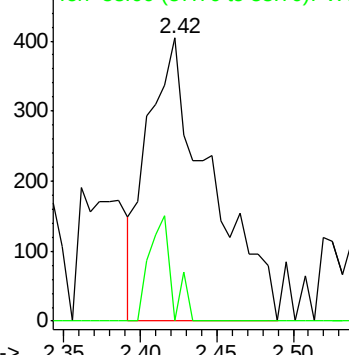
43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016628.D

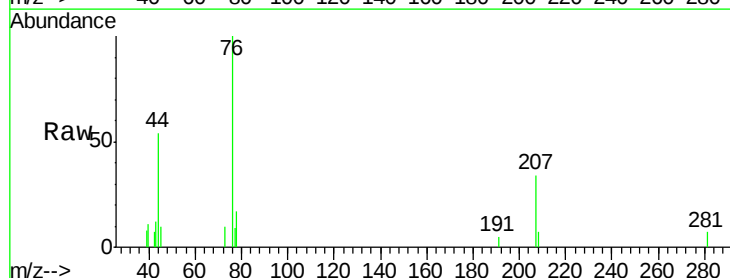
Acq: 08 Jun 2020 11:01

Tgt Ion: 76 Resp: 1573

Ion Ratio Lower Upper

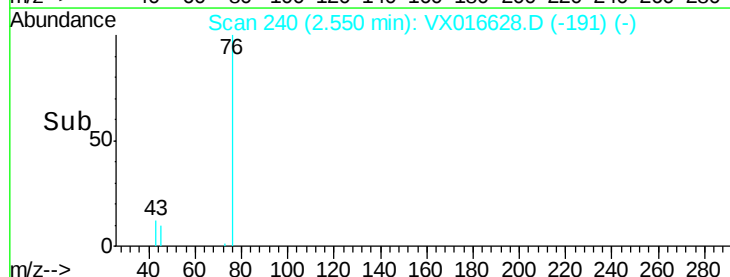
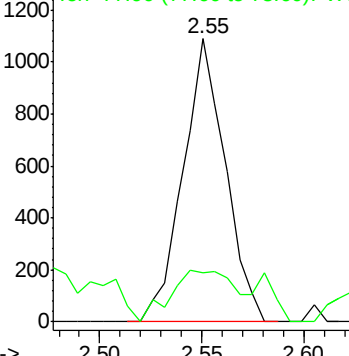
76 100

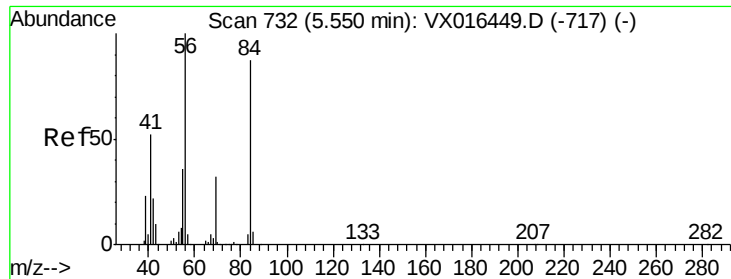
78 11.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

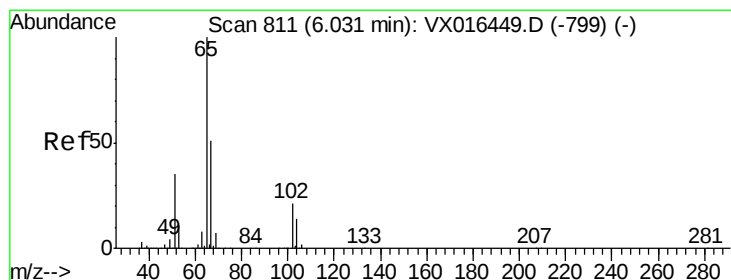
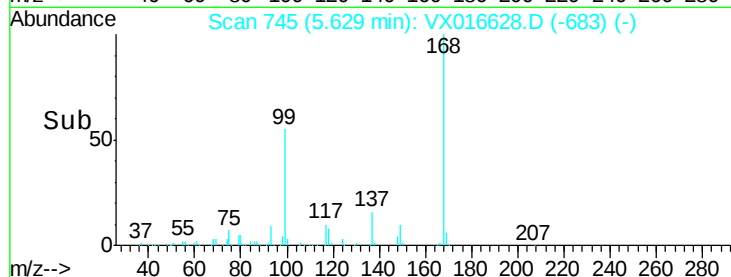
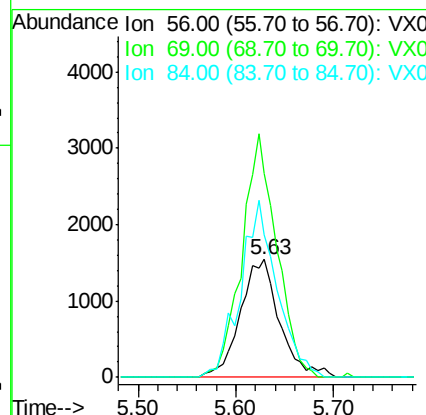
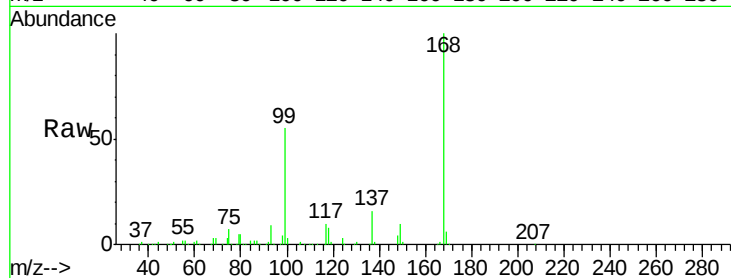




#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

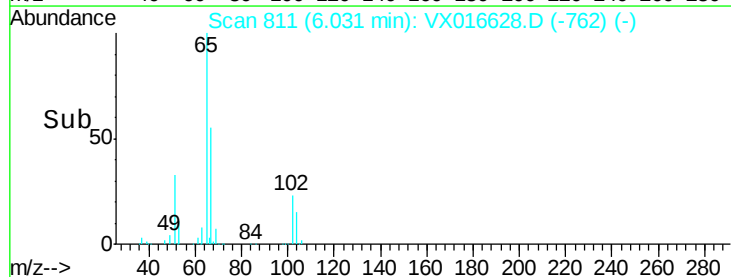
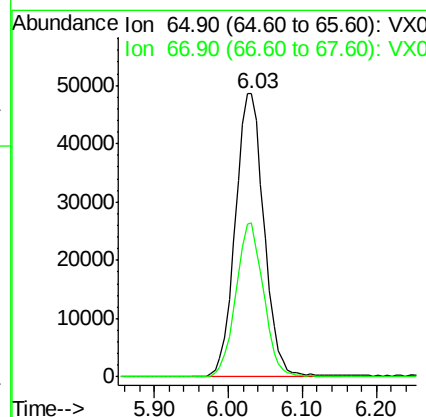
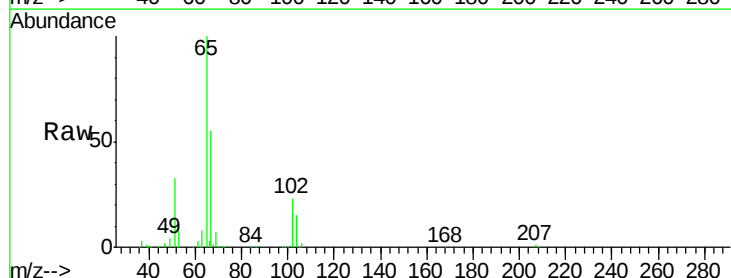
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

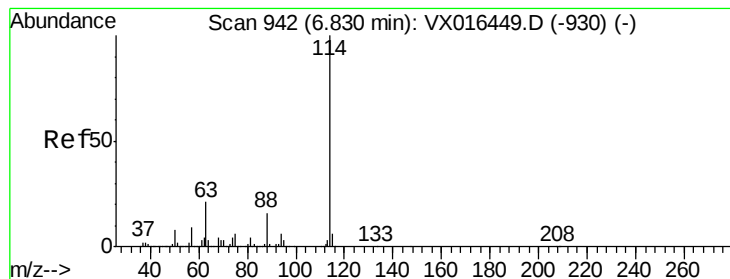
Tgt Ion: 56 Resp: 4314
Ion Ratio Lower Upper
56 100
69 173.2 25.7 38.5#
84 121.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.09 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

Tgt Ion: 65 Resp: 131558
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBL01

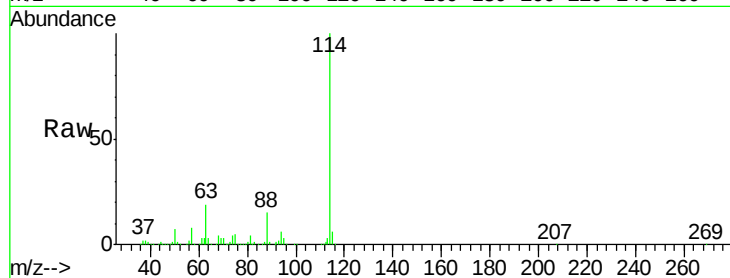
Tgt Ion:114 Resp: 360570

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

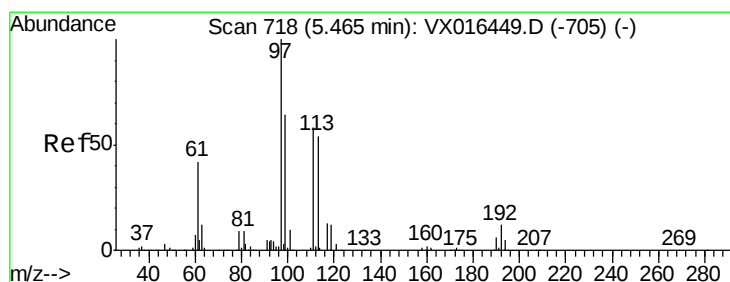
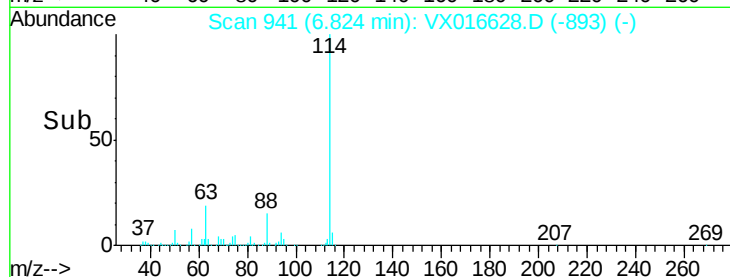
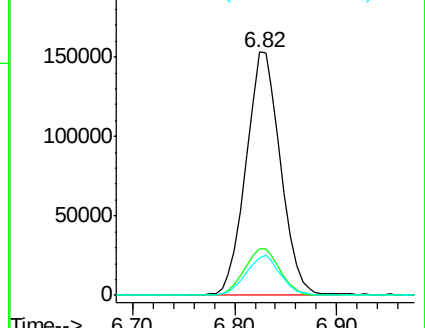
88 15.5 0.0 32.8



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: 48.85 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

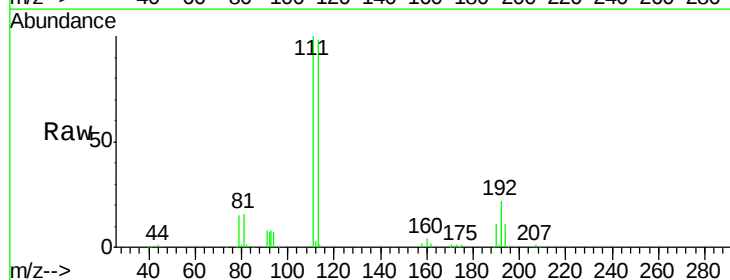
Tgt Ion:113 Resp: 108454

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

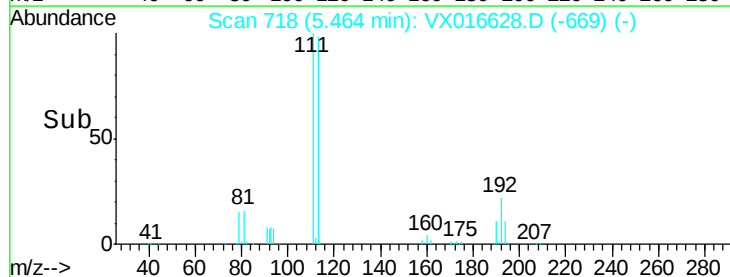
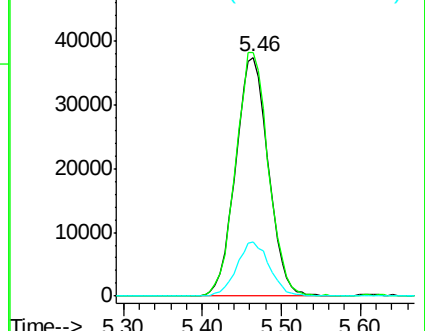
192 22.7 17.7 26.5

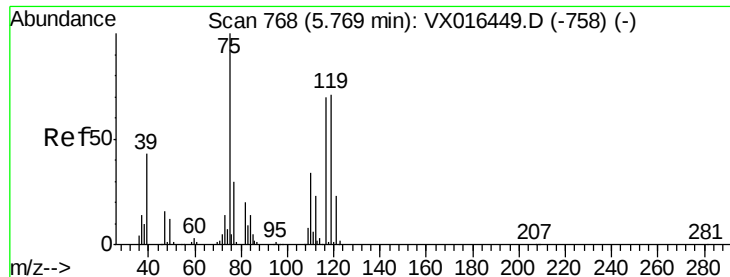


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

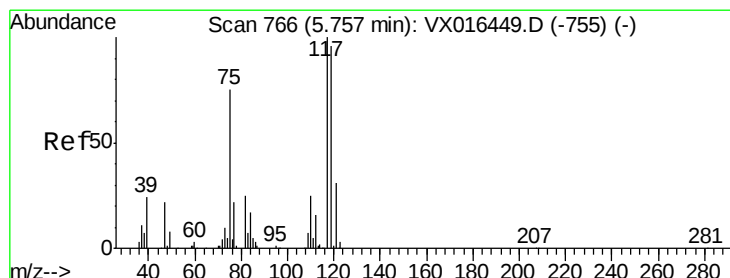
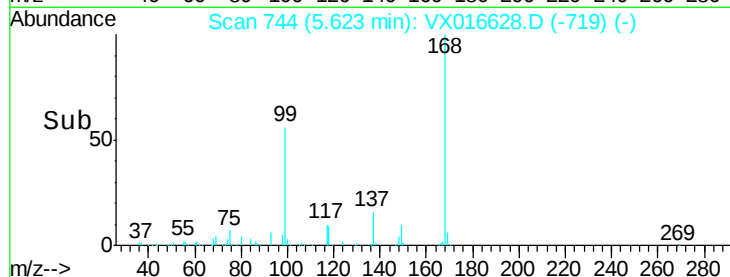
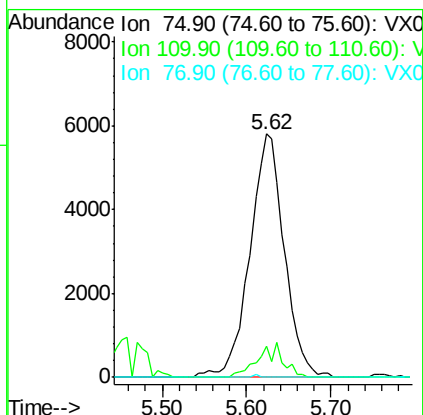
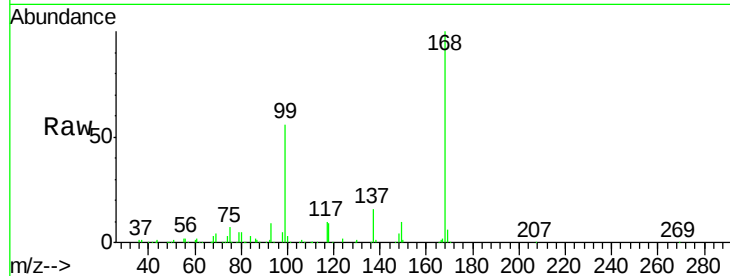




#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016628.D
 Acq: 08 Jun 2020 11:01

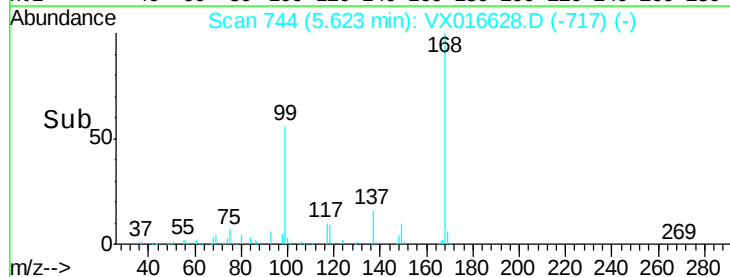
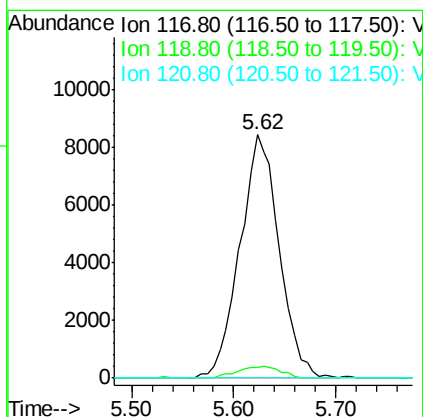
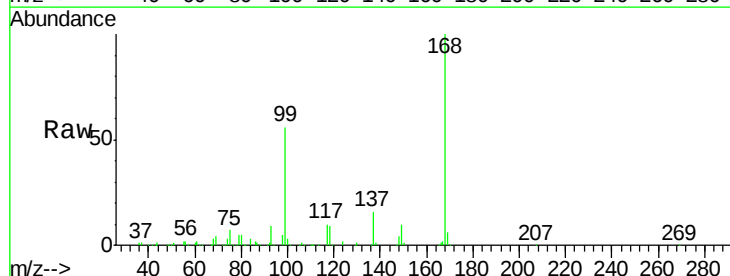
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

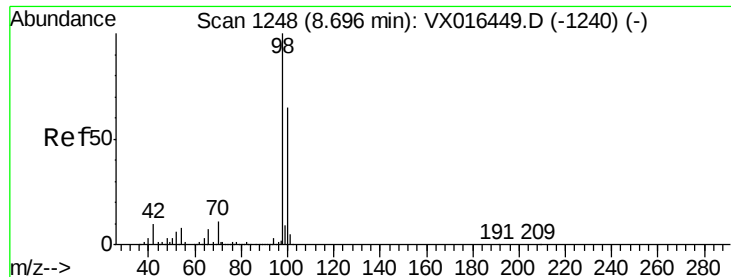
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.3#
77	0.1	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.28 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX016628.D
 Acq: 08 Jun 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 50.30 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

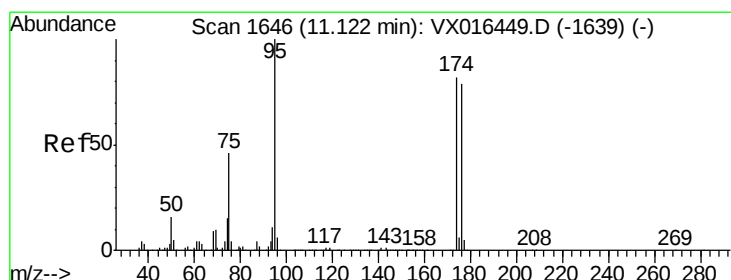
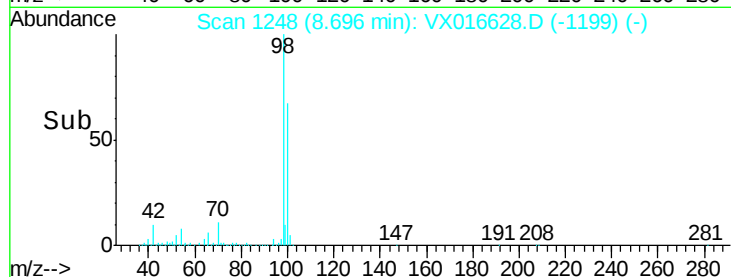
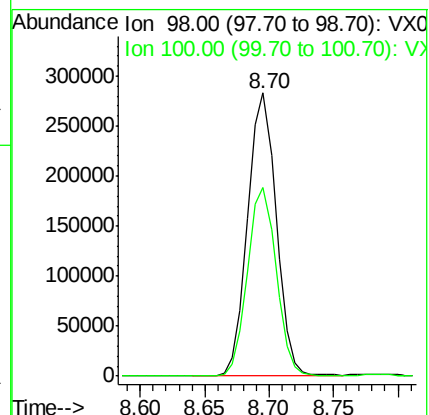
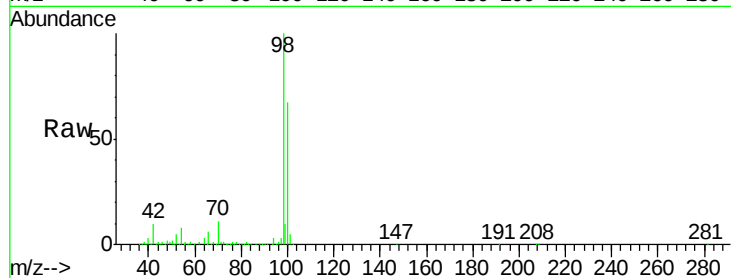
VX0608WBL01

Tgt Ion: 98 Resp: 434637

Ion Ratio Lower Upper

98 100

100 66.9 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 49.33 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

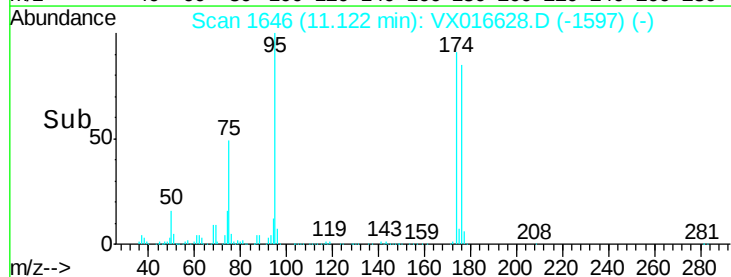
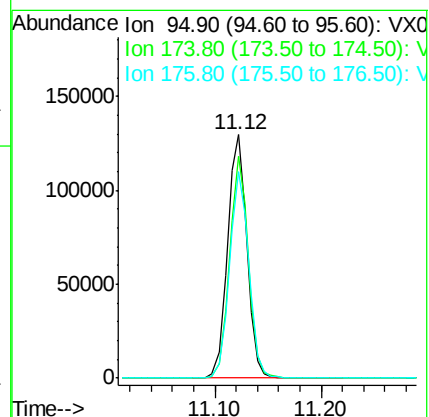
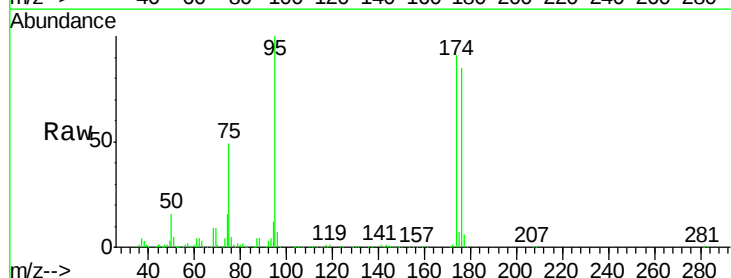
Tgt Ion: 95 Resp: 164729

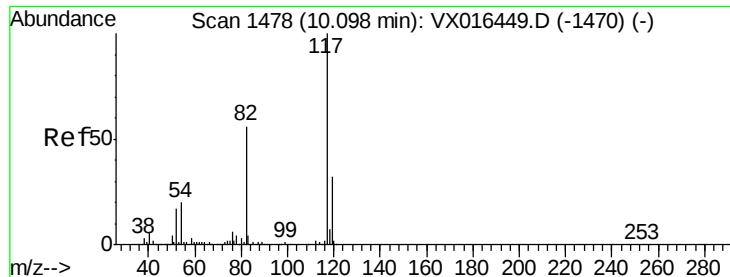
Ion Ratio Lower Upper

95 100

174 88.4 0.0 163.0

176 84.4 0.0 156.8

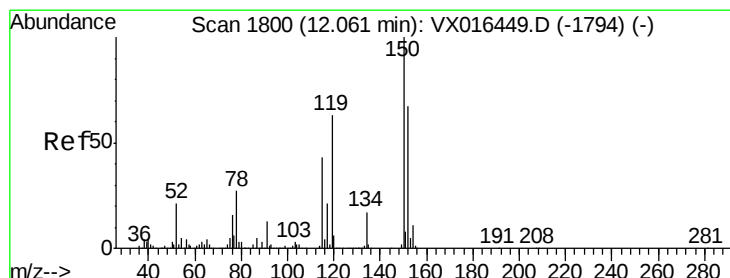
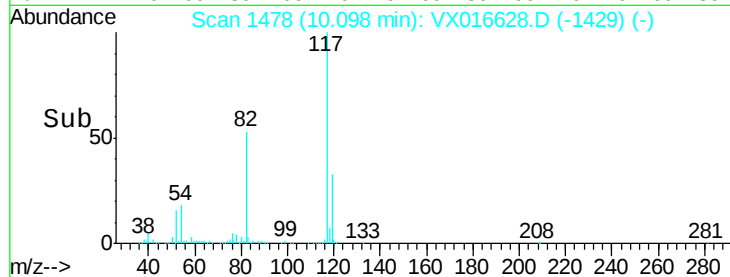
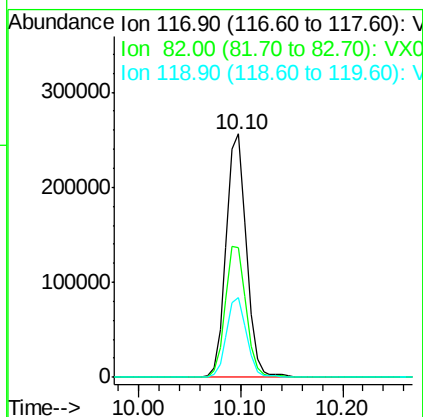
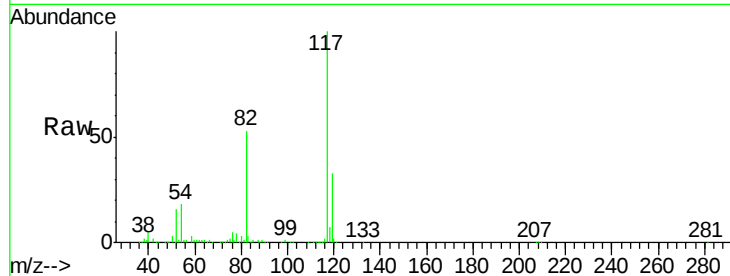




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

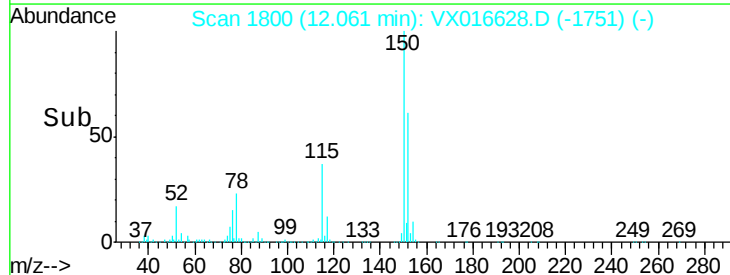
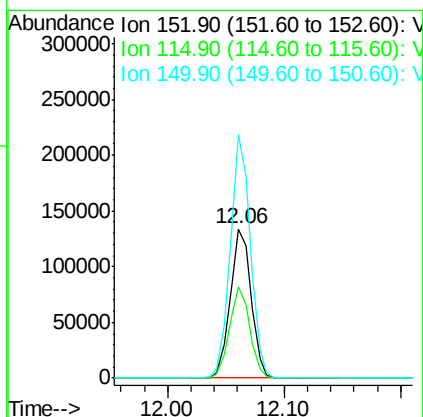
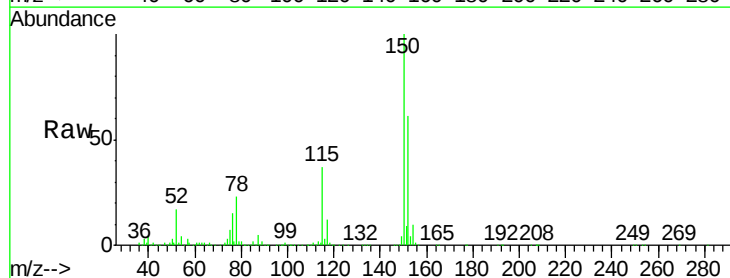
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

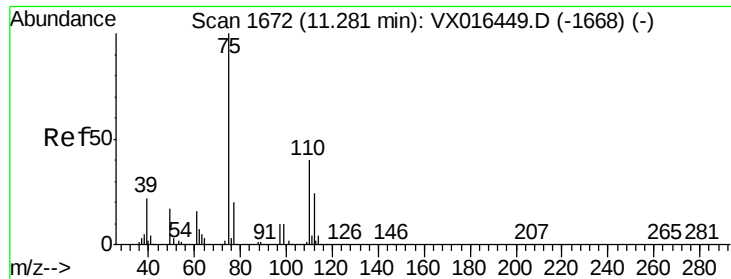
Tgt Ion:117 Resp: 353079
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.6
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016628.D
Acq: 08 Jun 2020 11:01

Tgt Ion:152 Resp: 167032
Ion Ratio Lower Upper
152 100
115 59.2 39.9 119.6
150 157.4 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.06 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

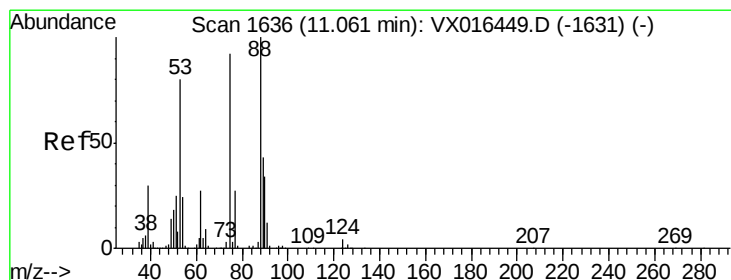
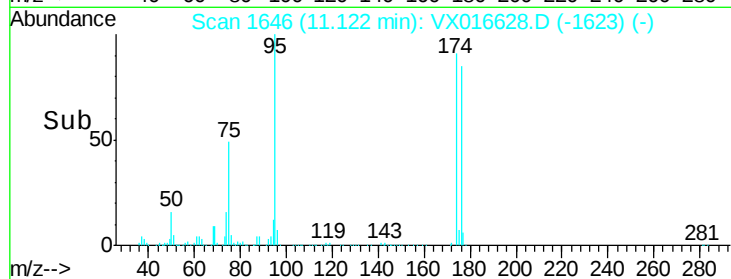
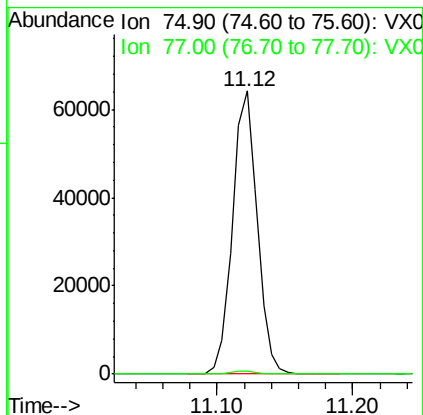
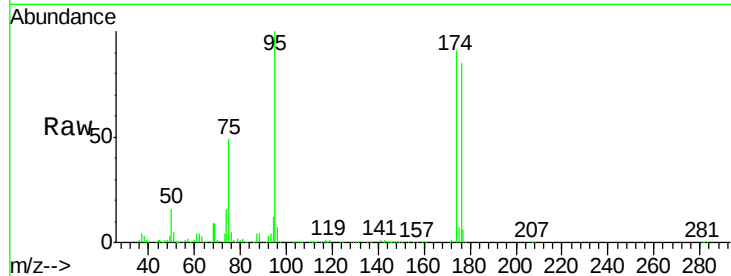
VX0608WBL01

Tgt Ion: 75 Resp: 80999

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.27 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016628.D

Acq: 08 Jun 2020 11:01

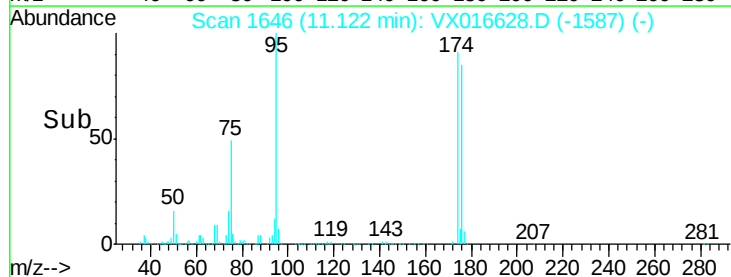
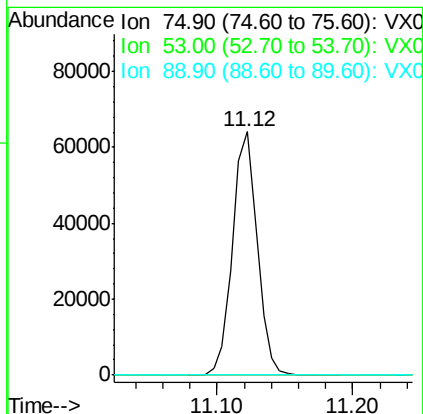
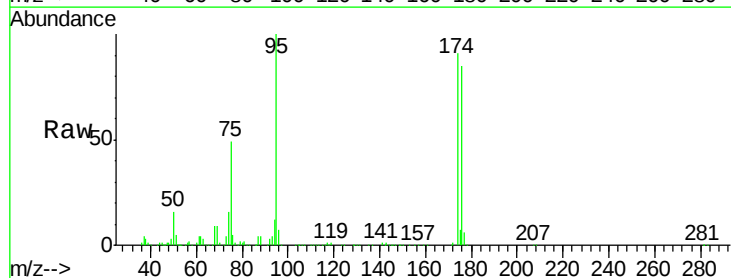
Tgt Ion: 75 Resp: 80999

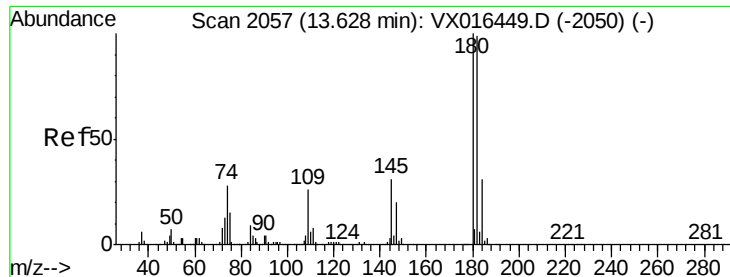
Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

89 0.0 36.6 55.0#

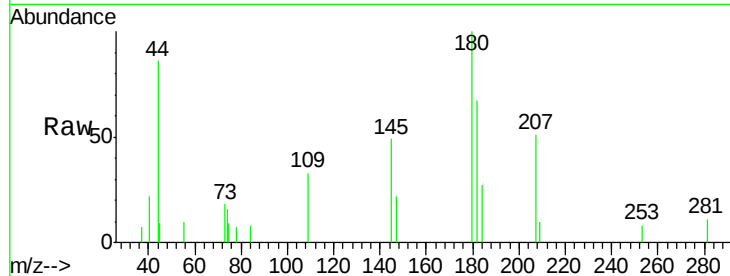




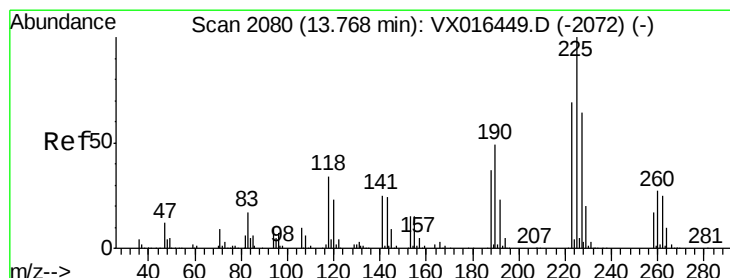
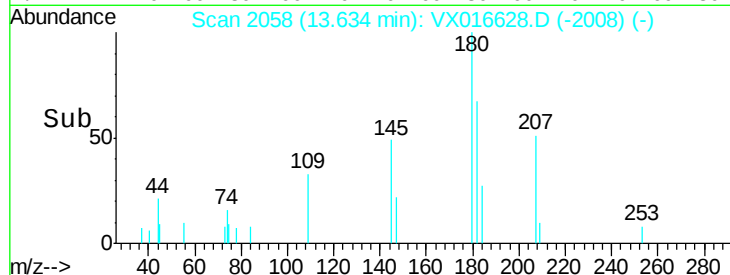
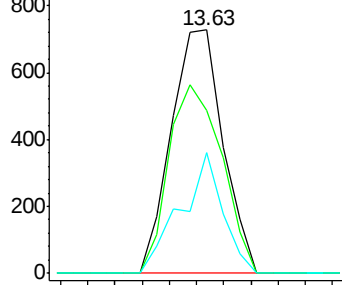
#93
 1,2,4-Trichlorobenzene
 Concen: 0.28 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016628.D
 Acq: 08 Jun 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

Tgt Ion:180 Resp: 962
 Ion Ratio Lower Upper
 180 100
 182 79.1 48.3 144.8
 145 40.1 15.4 46.2

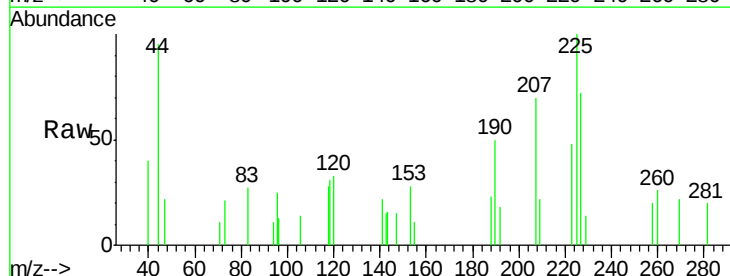


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

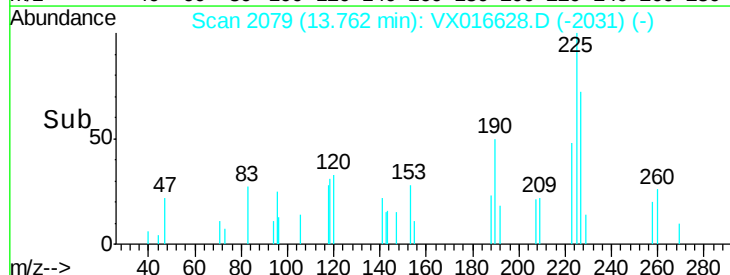
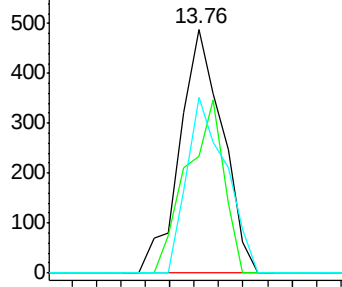


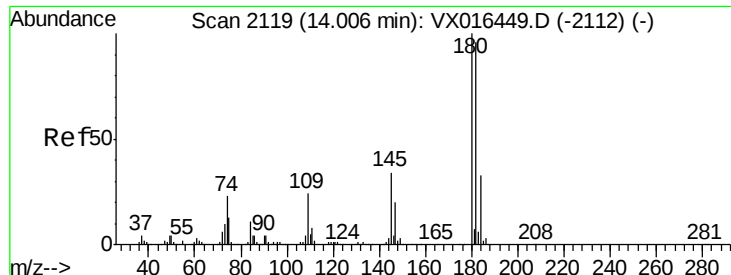
#94
 Hexachlorobutadiene
 Concen: 0.45 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016628.D
 Acq: 08 Jun 2020 11:01

Tgt Ion:225 Resp: 596
 Ion Ratio Lower Upper
 225 100
 223 61.7 32.3 96.8
 227 66.1 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

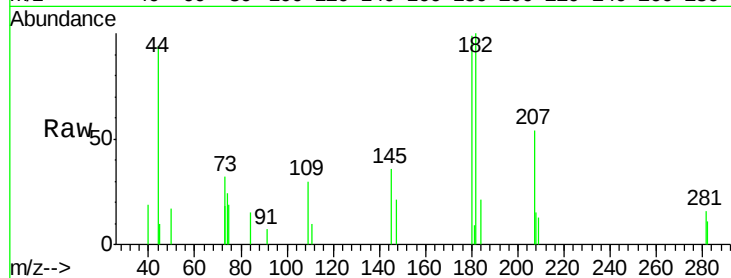




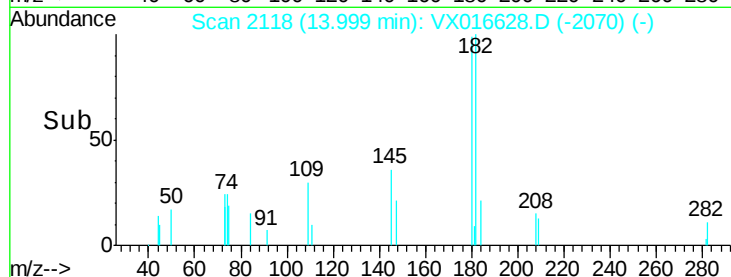
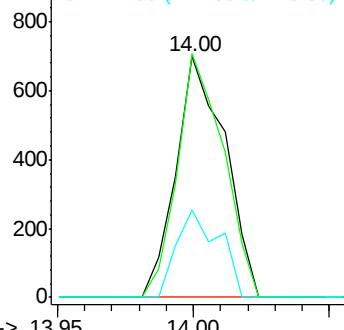
#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016628.D
 Acq: 08 Jun 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.8
145	31.6	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time--> 13.95 14.00