

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018402.D
 Acq On : 15 Sep 2020 13:15
 Operator : JC/SP
 Sample : VX0915WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBL01

Quant Time: Sep 16 03:35:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	461789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	736856	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	689801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	326839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	326856	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.46	113	257635	51.34	ug/l	-0.01
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	8.70	98	880236	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.12	95	320292	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

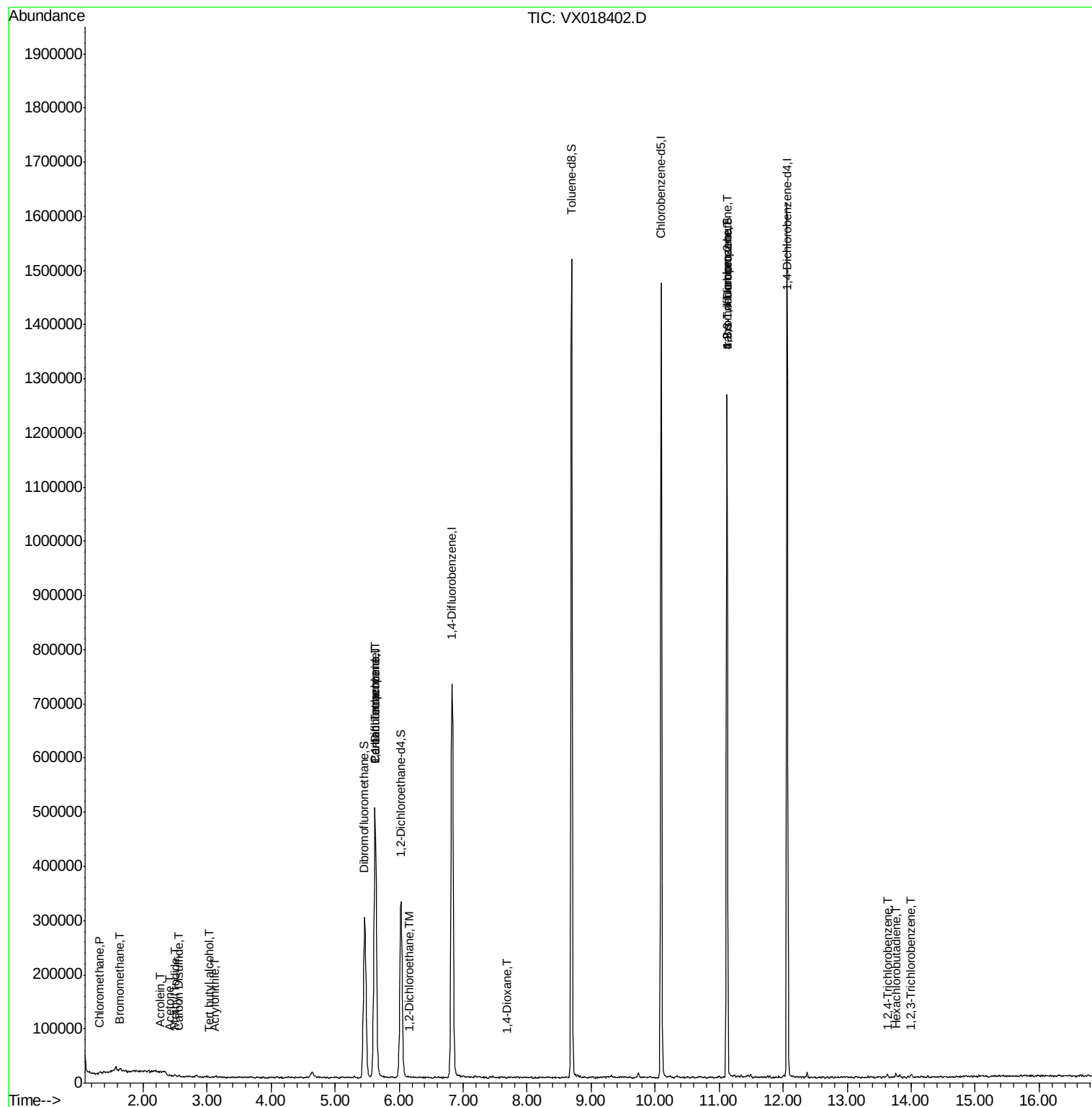
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1802	0.304	ug/l #	83
5) Bromomethane	1.64	94	2381	0.837	ug/l #	57
10) Methyl Iodide	2.50	142	3357	5.932	ug/l #	91
11) Tert butyl alcohol	3.04	59	320	0.257	ug/l #	1
13) Acrolein	2.28	56	573	1.109	ug/l #	66
15) Acrylonitrile	3.12	53	1498	0.530	ug/l #	82
16) Acetone	2.42	43	1908	0.764	ug/l #	71
17) Carbon Disulfide	2.56	76	3044	0.223	ug/l #	92
20) Methylene Chloride	2.83	84	2079	Below Cal	#	76
36) 1,1-Dichloropropene	5.62	75	35289	5.192	ug/l #	52
38) Carbon Tetrachloride	5.62	117	48047	6.273	ug/l #	16
42) 1,2-Dichloroethane	6.16	62	1632	0.213	ug/l	98
49) 1,4-Dioxane	7.68	88	29	0.252	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	169636	23.332	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	169636	63.015	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1807	0.275	ug/l	88
94) Hexachlorobutadiene	13.77	225	551	0.213	ug/l #	32
96) 1,2,3-Trichlorobenzene	14.00	180	1811	0.279	ug/l	85

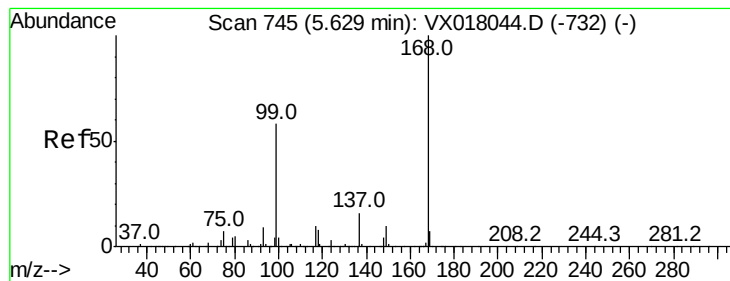
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

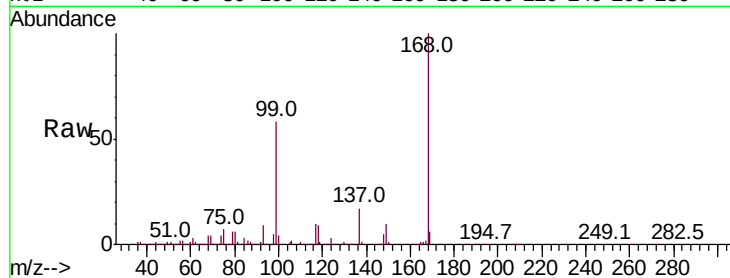
VX0915WBL01

Tot Ion:168 Resp: 461789

Ion Ratio Lower Upper

168 100

99 57.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

100000

50000

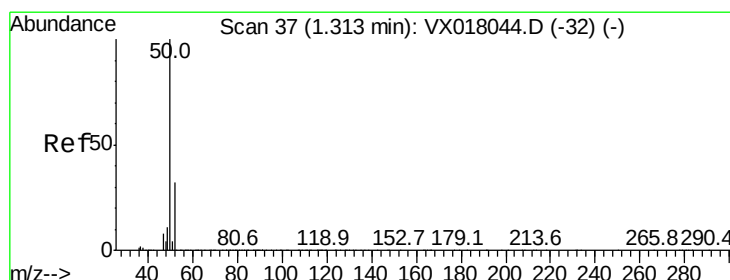
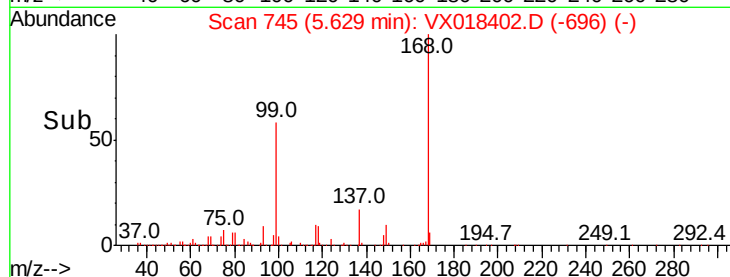
0

Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.304 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018402.D

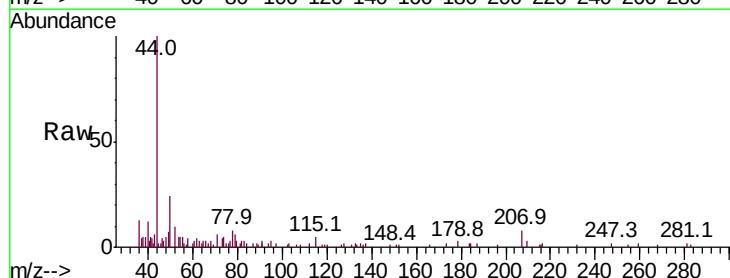
Acq: 15 Sep 2020 13:15

Tgt Ion: 50 Resp: 1802

Ion Ratio Lower Upper

50 100

52 22.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

500

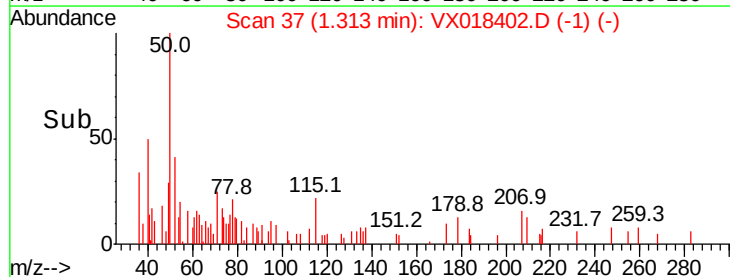
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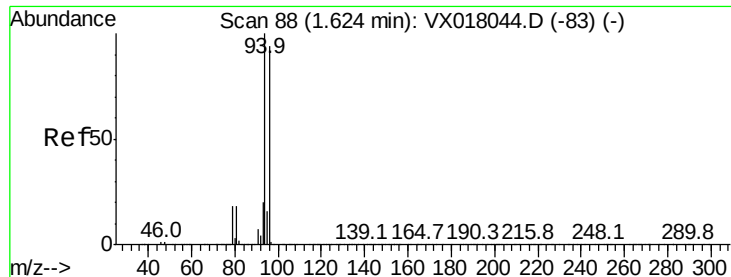
Time-->

1.25

1.30

1.35





#5

Bromomethane

Concen: 0.837 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampled :

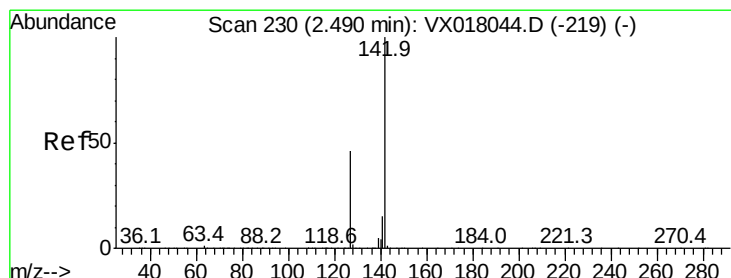
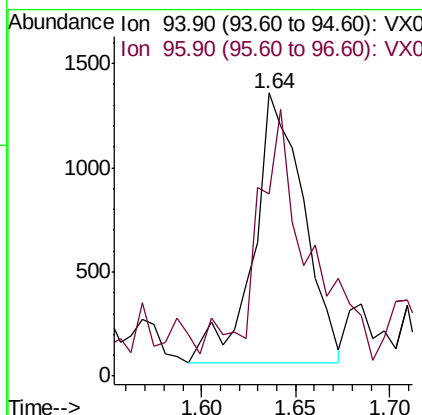
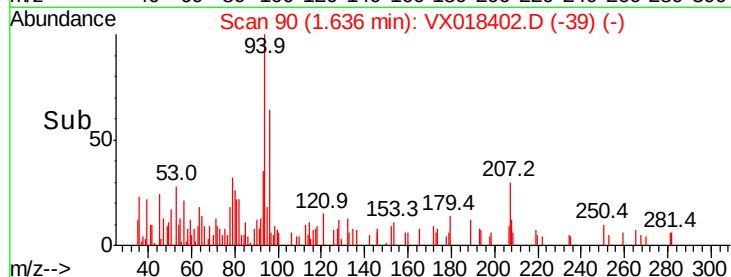
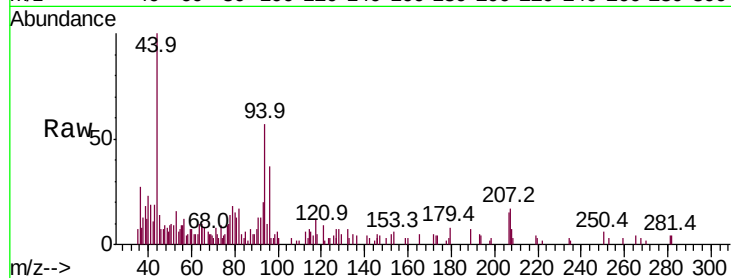
VX0915WBL01

Tot Ion: 94 Resp: 2381

Ion Ratio Lower Upper

94 100

96 52.3 74.8 112.2#



#10

Methyl Iodide

Concen: 5.932 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

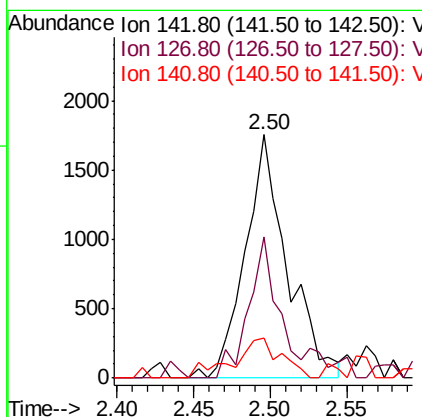
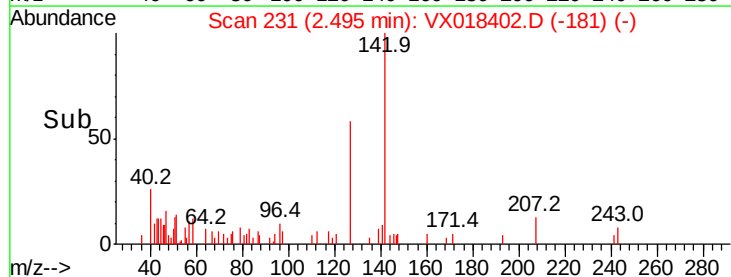
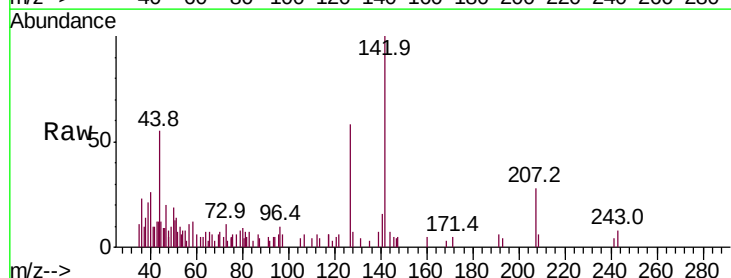
Tgt Ion: 142 Resp: 3357

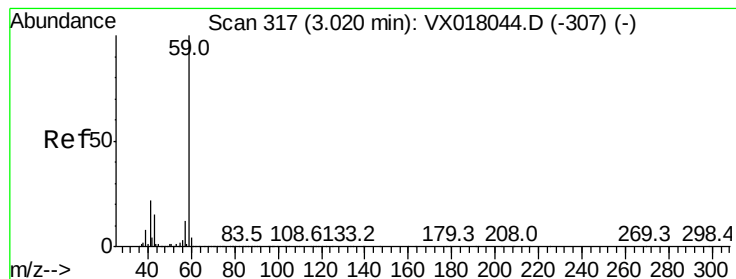
Ion Ratio Lower Upper

142 100

127 40.5 37.0 55.6

141 18.5 11.5 17.3#



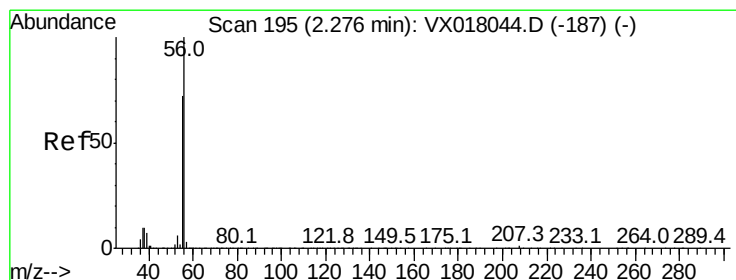
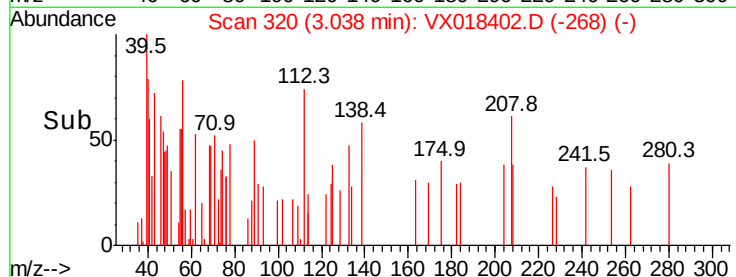
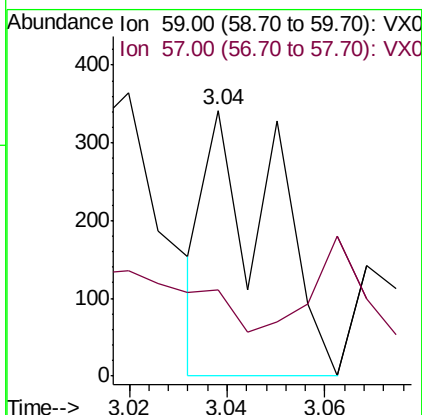
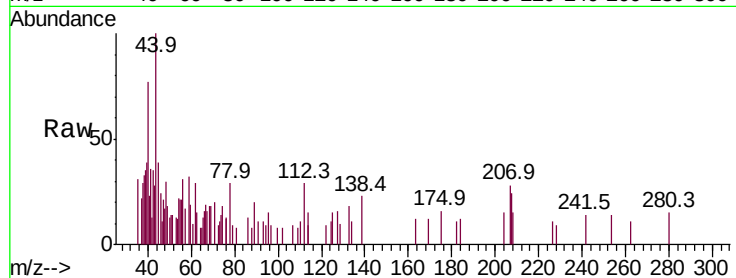


#11

Tert butyl alcohol
 Concen: 0.257 ug/l
 RT: 3.04 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VX018402.D
 Acq: 15 Sep 2020 13:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBL01

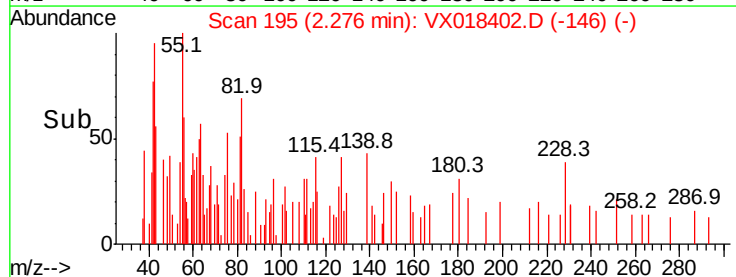
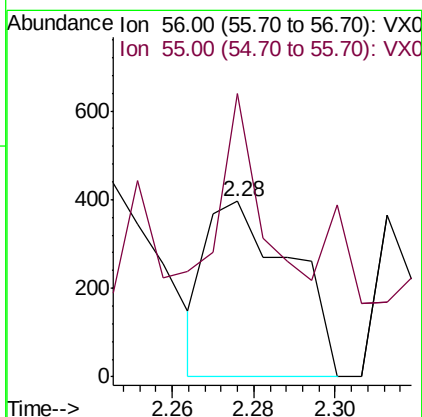
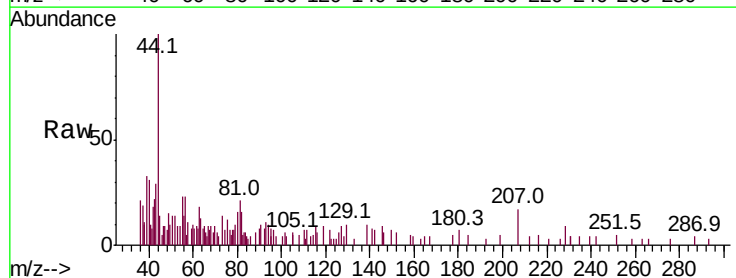
Tot Ion: 59 Resp: 320
 Ion Ratio Lower Upper
 59 100
 57 85.9 8.9 13.3#

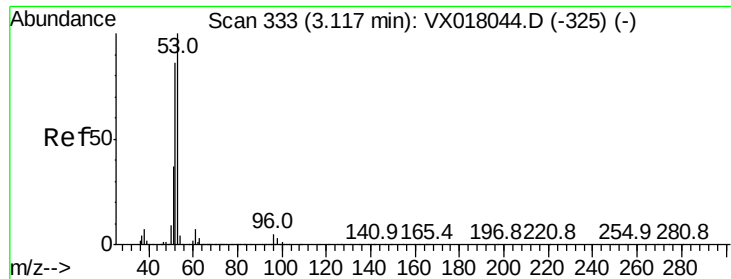


#13

Acrolein
 Concen: 1.109 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX018402.D
 Acq: 15 Sep 2020 13:15

Tgt Ion: 56 Resp: 573
 Ion Ratio Lower Upper
 56 100
 55 99.5 57.0 85.6#





#15

Acrylonitrile

Concen: 0.530 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

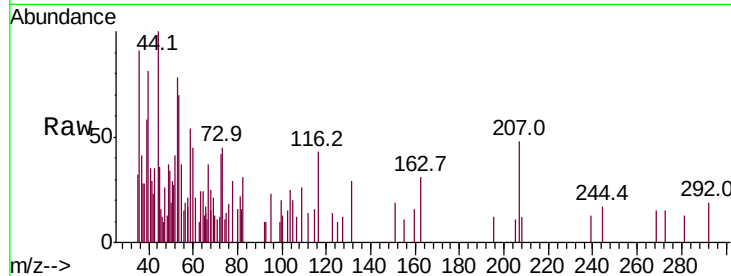
Tot Ion: 53 Resp: 1498

Ion Ratio Lower Upper

53 100

52 68.0 66.9 100.3

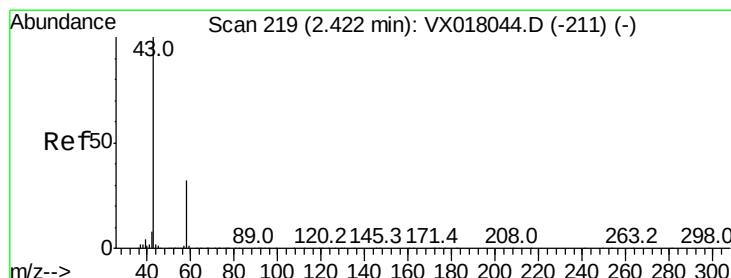
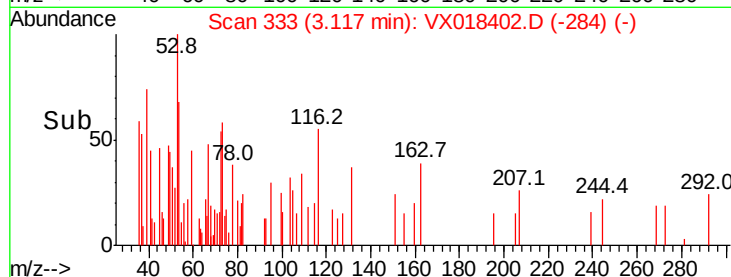
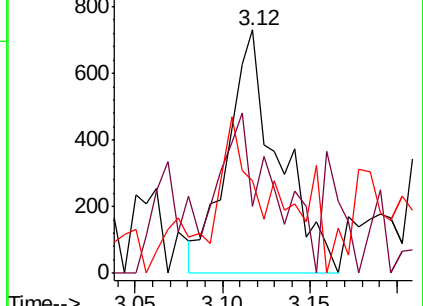
51 25.3 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.764 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018402.D

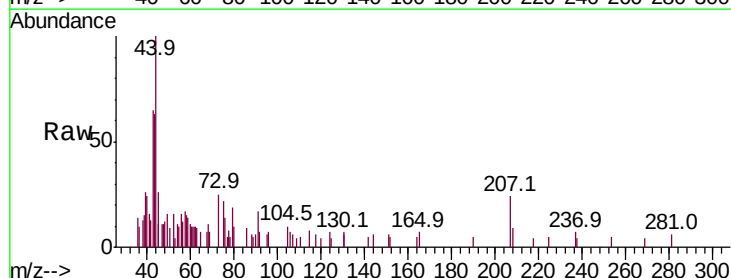
Acq: 15 Sep 2020 13:15

Tgt Ion: 43 Resp: 1908

Ion Ratio Lower Upper

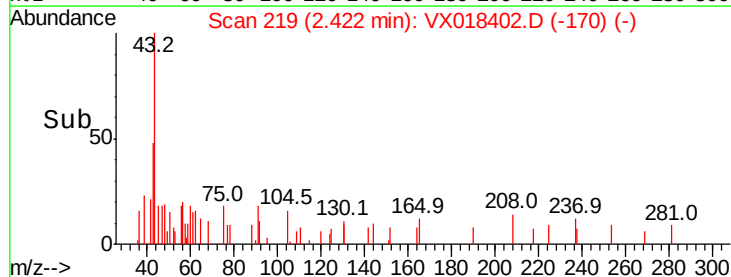
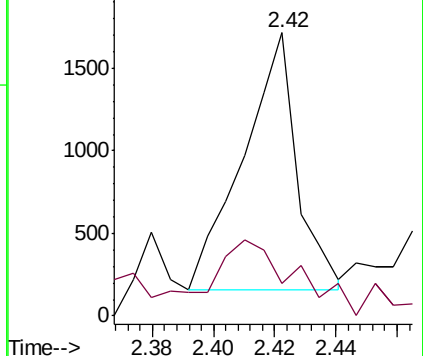
43 100

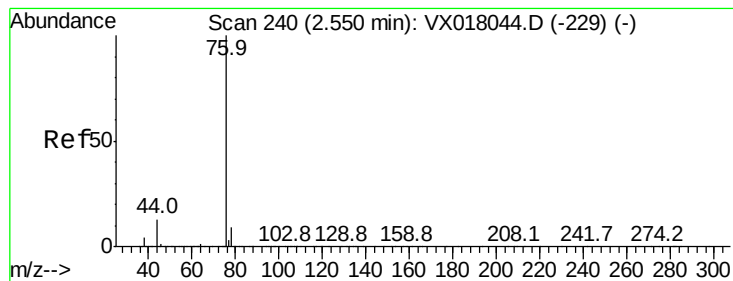
58 15.5 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.223 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

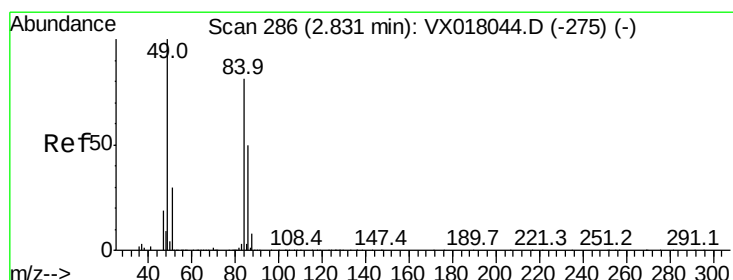
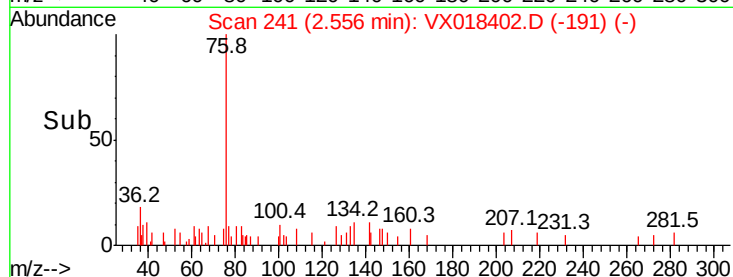
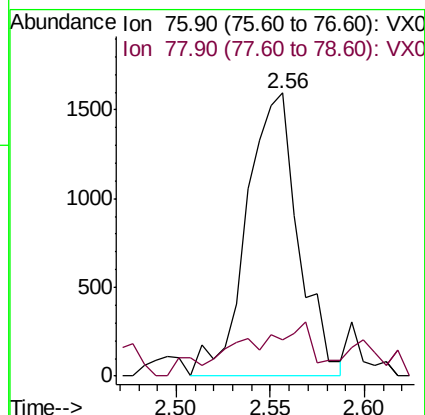
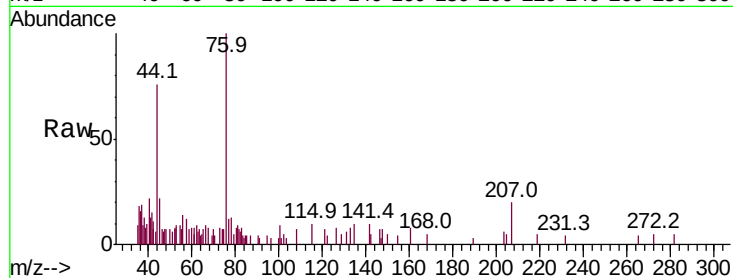
VX0915WBL01

Tot Ion: 76 Resp: 3044

Ion Ratio Lower Upper

76 100

78 6.4 7.4 11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Tgt Ion: 84 Resp: 2079

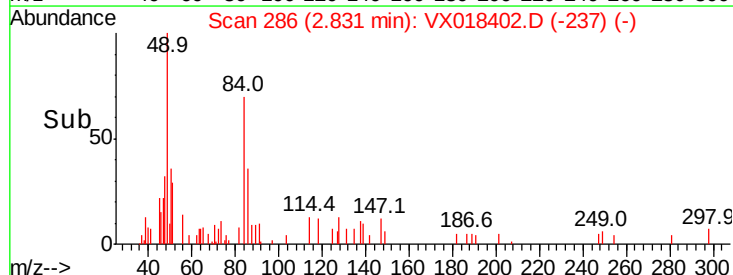
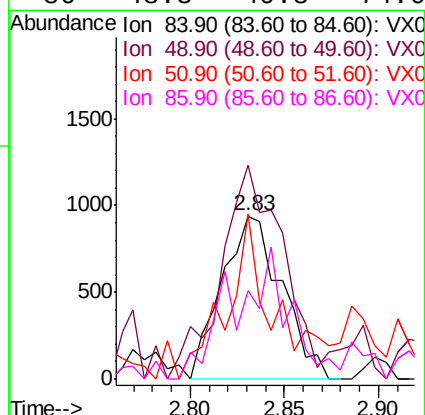
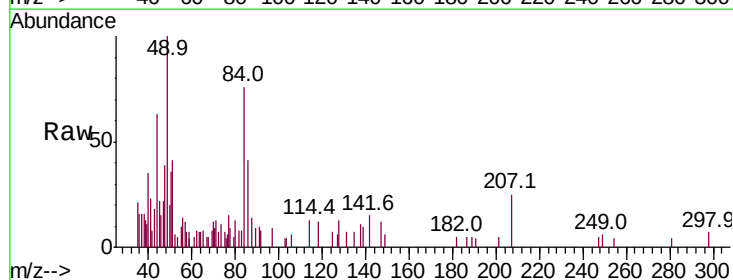
Ion Ratio Lower Upper

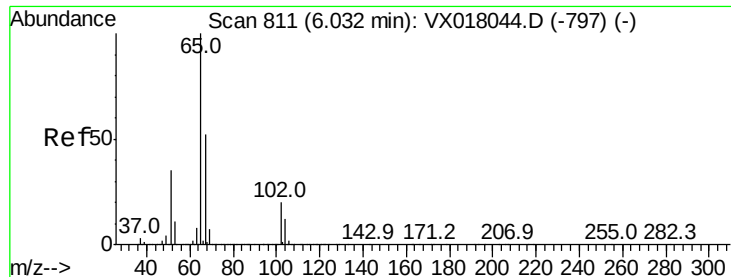
84 100

49 112.7 98.6 148.0

51 85.7 29.6 44.4#

86 48.3 49.8 74.6#

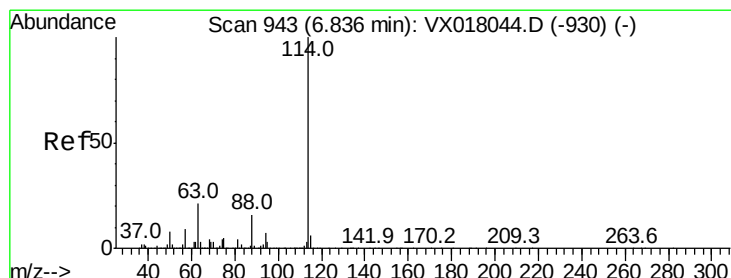
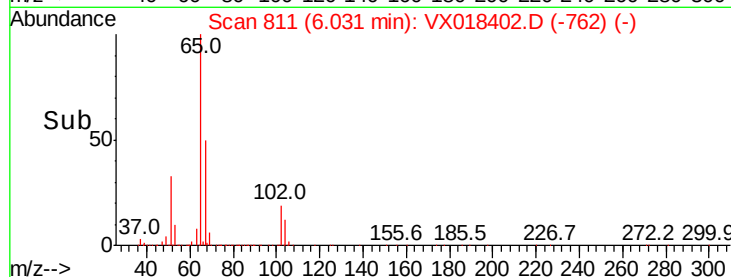
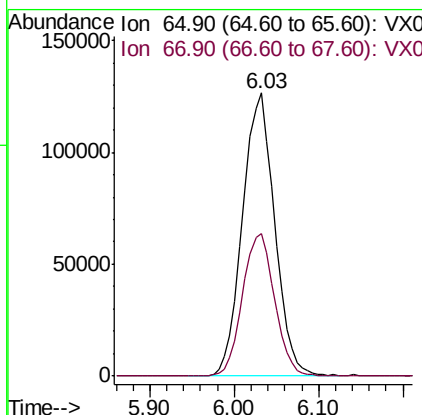
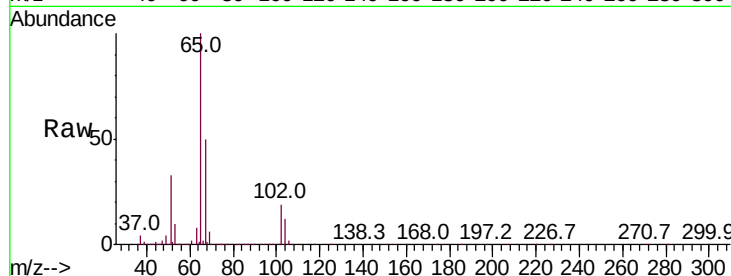




#33
 1,2-Dichloroethane-d4
 Concen: 50.985 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018402.D
 Acq: 15 Sep 2020 13:15

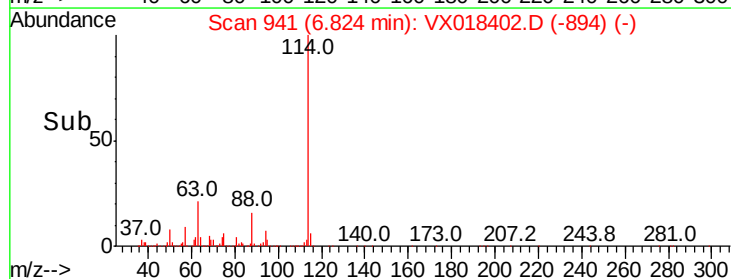
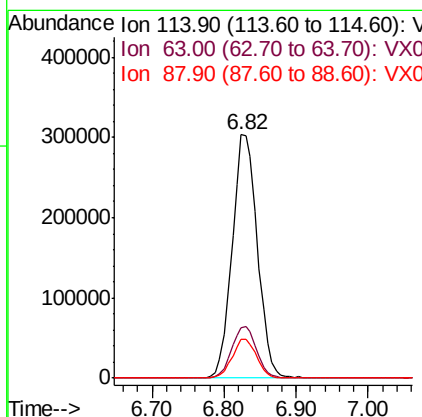
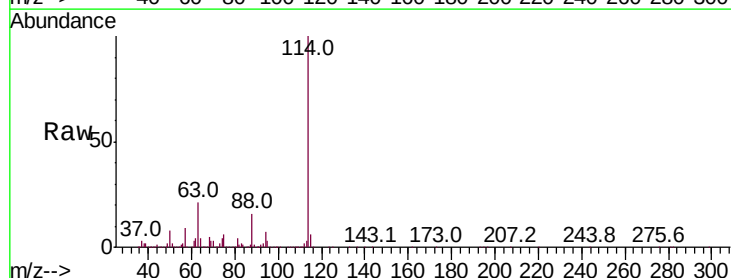
Instrument :
 MSVOA_X
 ClientSampled :
 VX0915WBL01

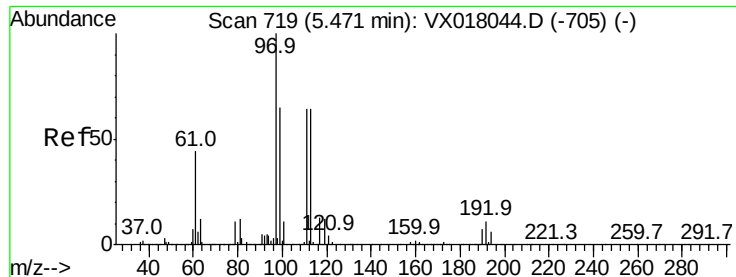
Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX018402.D
 Acq: 15 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.6
88	16.2	0.0	31.8





#35

Dibromofluoromethane

Concen: 51.339 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

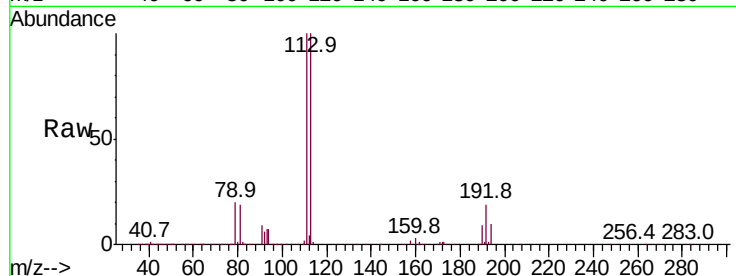
Tot Ion:113 Resp: 257635

Ion Ratio Lower Upper

113 100

111 100.1 81.6 122.4

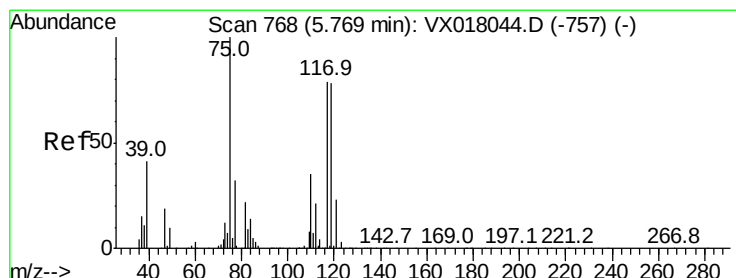
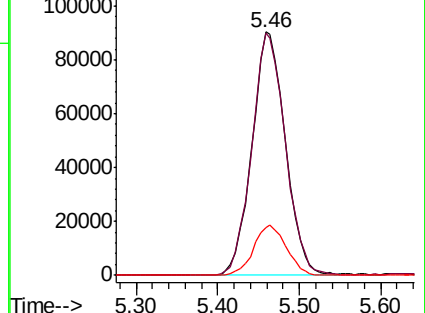
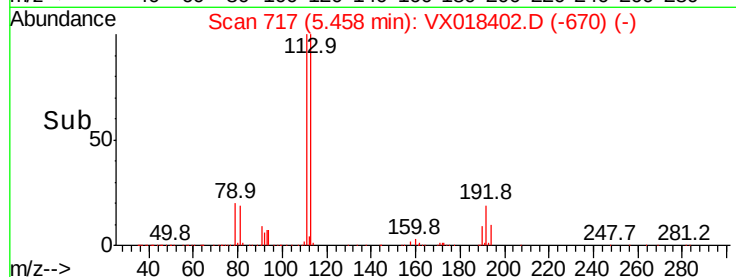
192 20.2 15.8 23.8



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: 5.192 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

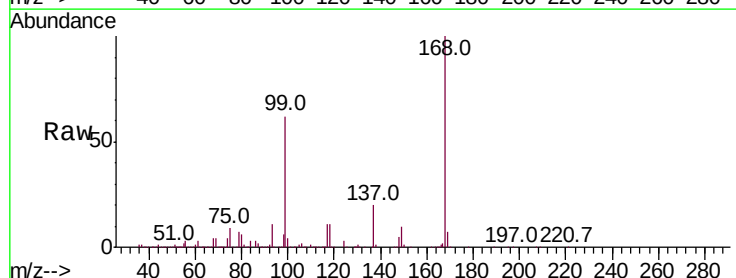
Tgt Ion: 75 Resp: 35289

Ion Ratio Lower Upper

75 100

110 11.3 18.0 54.0#

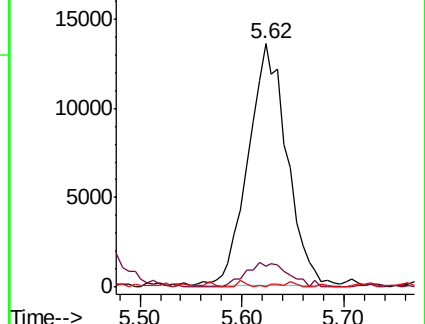
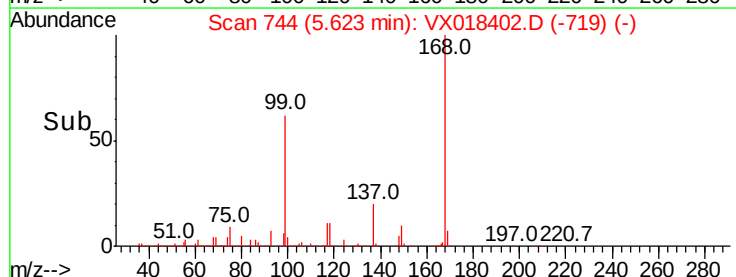
77 0.0 24.4 36.6#

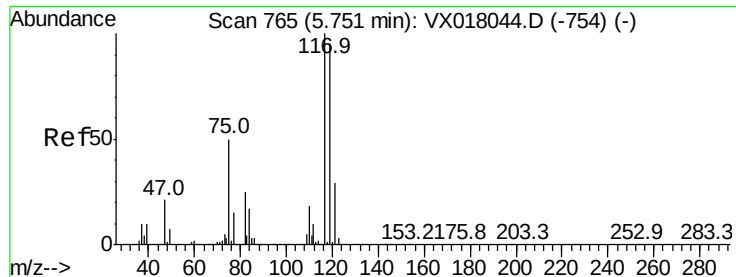


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.273 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

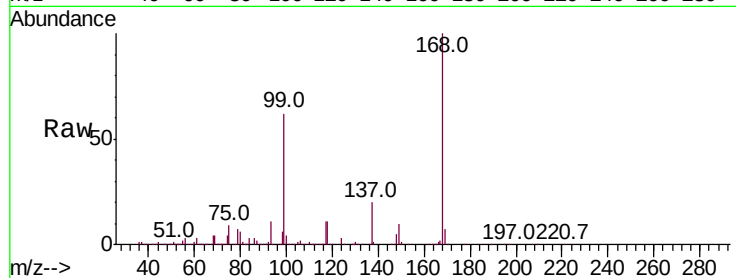
Tot Ion:117 Resp: 48047

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

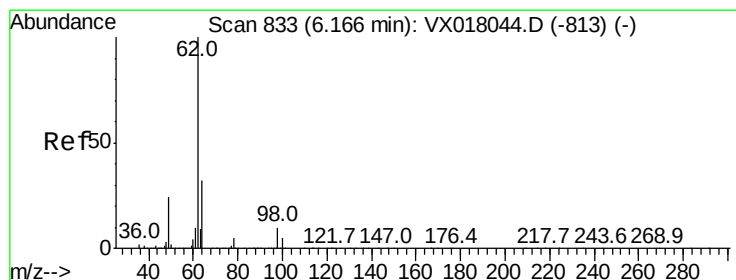
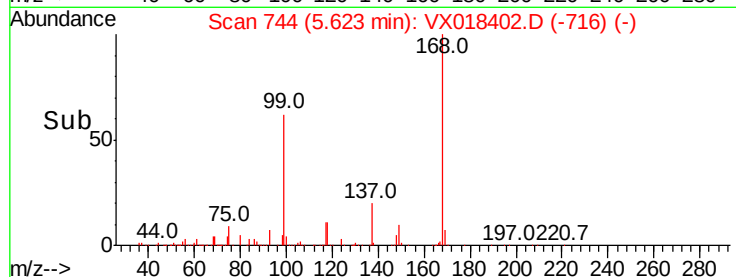
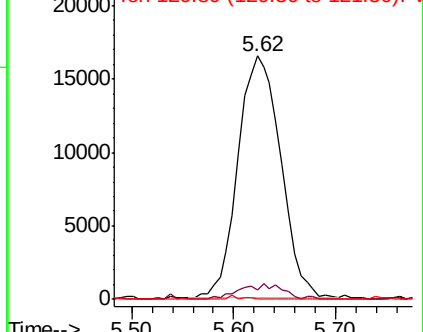
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.213 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018402.D

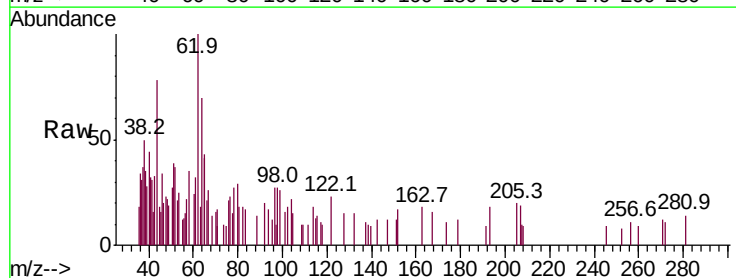
Acq: 15 Sep 2020 13:15

Tgt Ion: 62 Resp: 1632

Ion Ratio Lower Upper

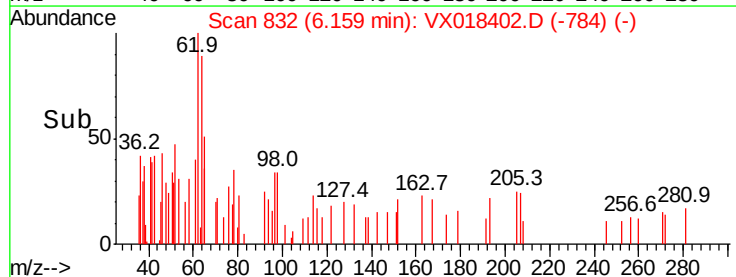
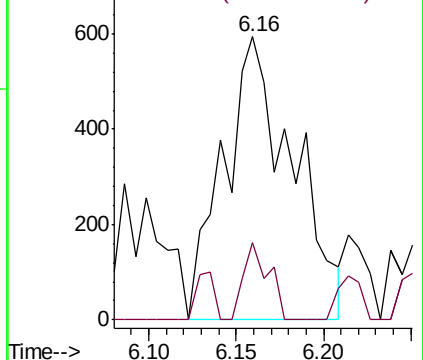
62 100

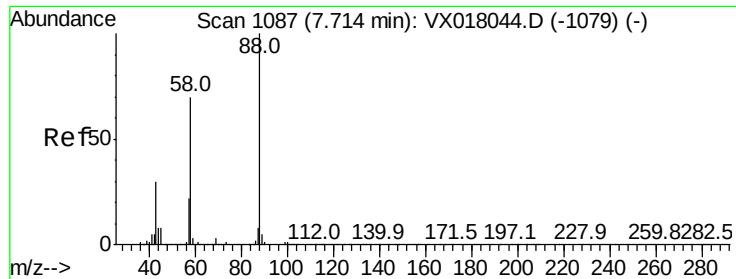
98 10.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

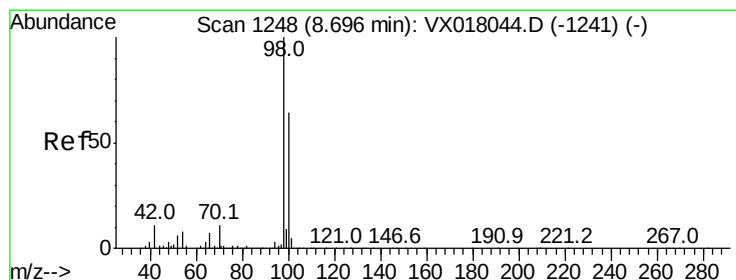
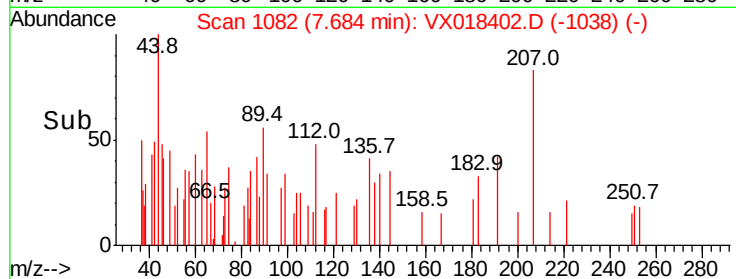
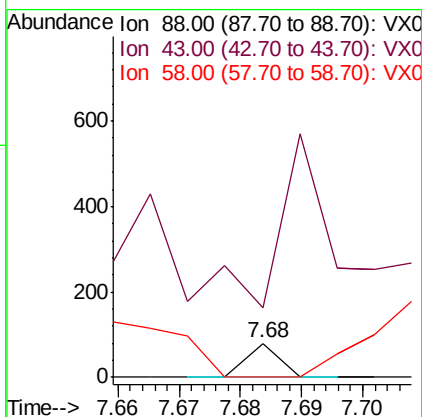
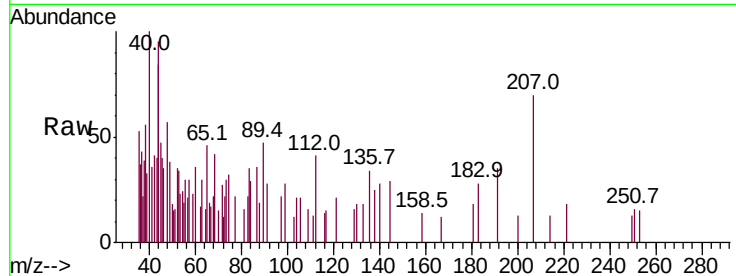




#49
1,4-Dioxane
Concen: 0.252 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX018402.D
Acq: 15 Sep 2020 13:15

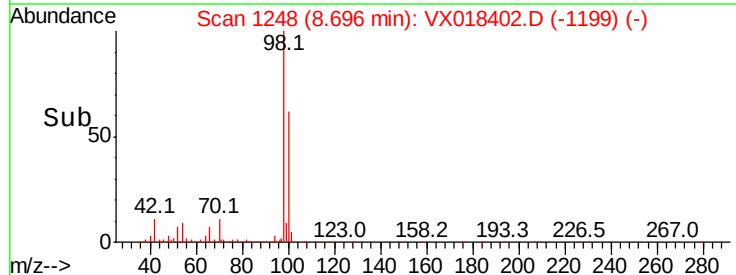
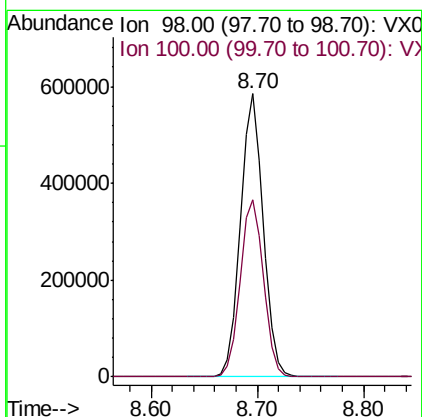
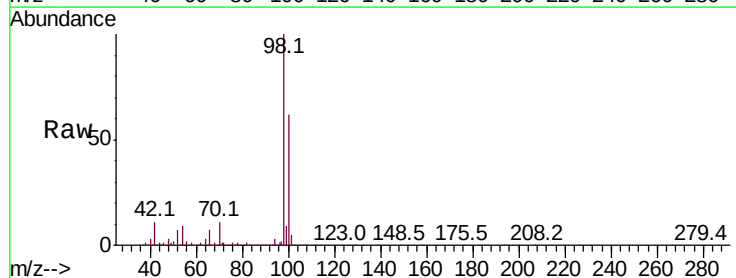
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL01

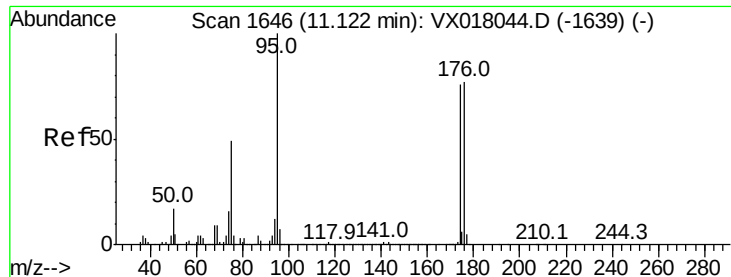
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1027.6 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 47.094 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018402.D
Acq: 15 Sep 2020 13:15

Tgt Ion: 98 Resp: 880236
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.554 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

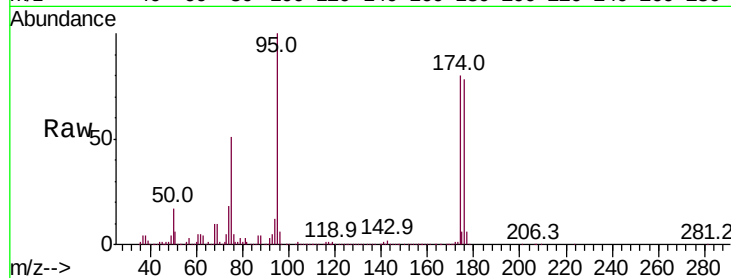
Tot Ion: 95 Resp: 320292

Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.2

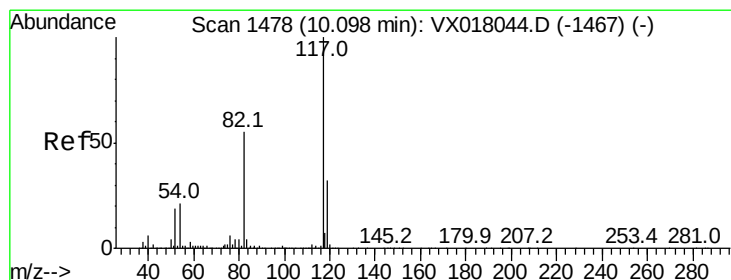
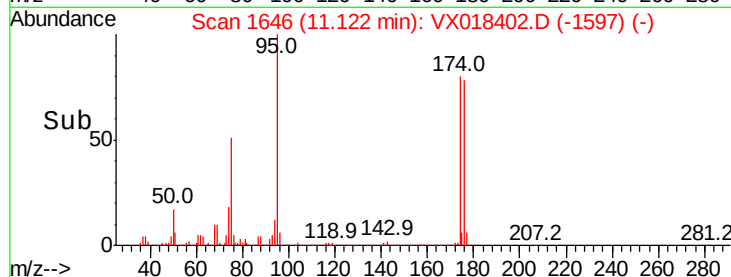
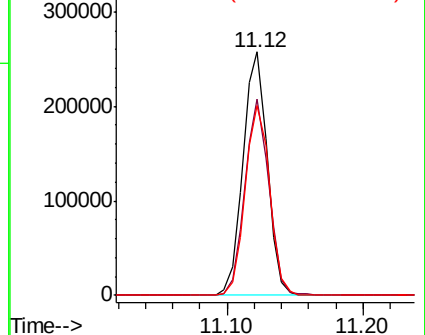
176 78.9 0.0 155.8



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

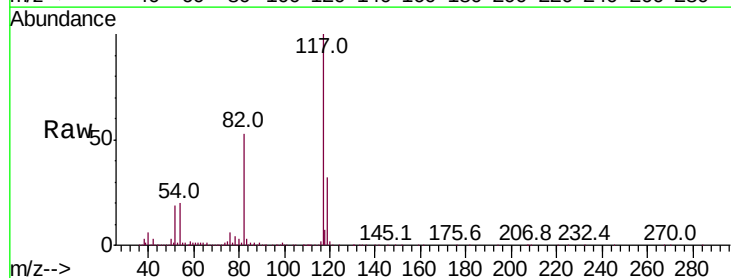
Tgt Ion: 117 Resp: 689801

Ion Ratio Lower Upper

117 100

82 53.1 44.2 66.2

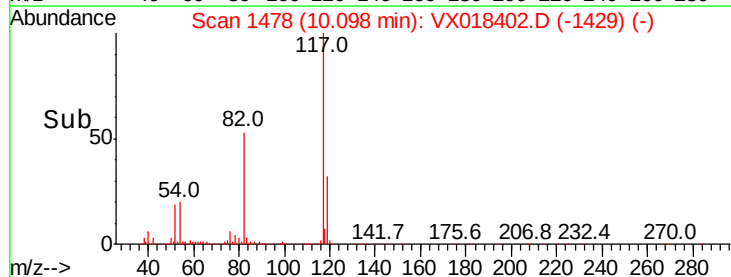
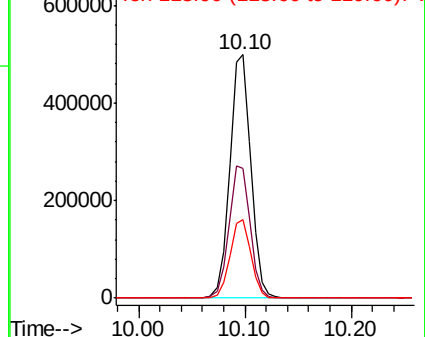
119 32.2 25.7 38.5

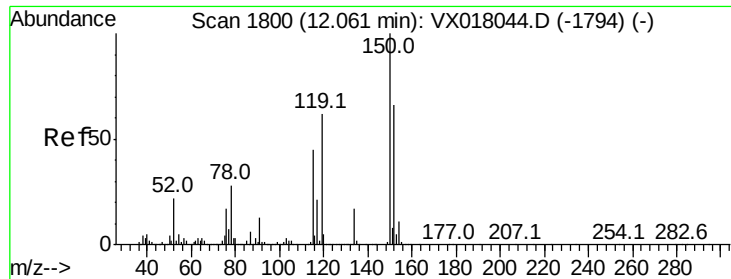


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

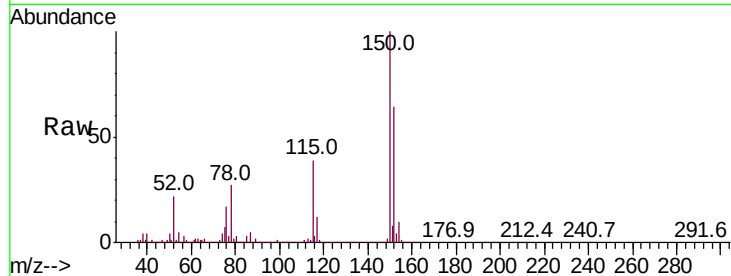
Tot Ion:152 Resp: 326839

Ion Ratio Lower Upper

152 100

115 58.8 41.5 124.5

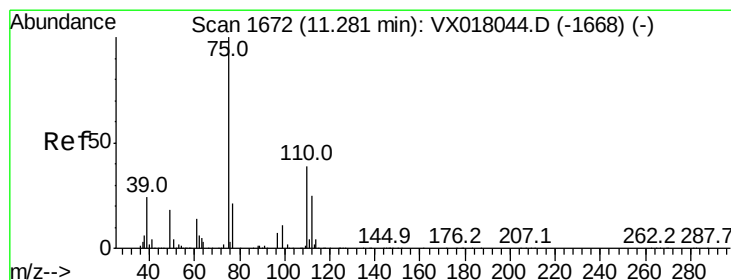
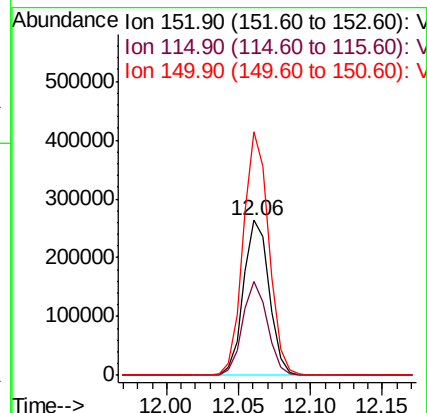
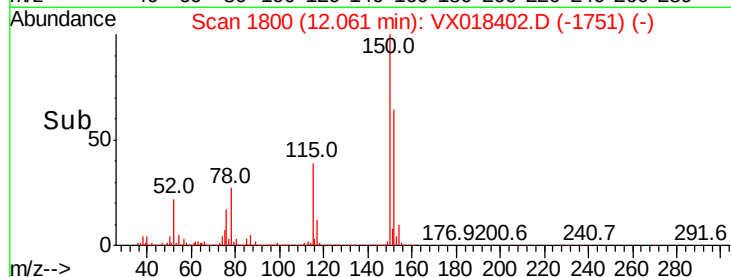
150 156.5 0.0 343.8



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: 23.332 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018402.D

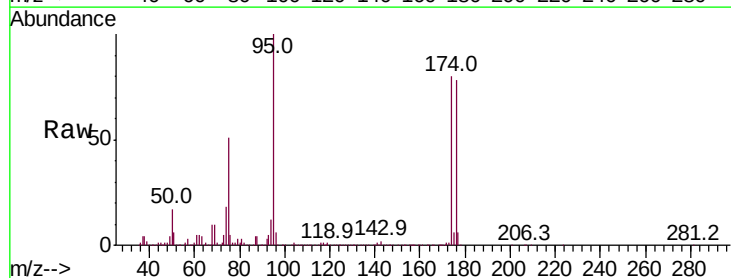
Acq: 15 Sep 2020 13:15

Tgt Ion: 75 Resp: 169636

Ion Ratio Lower Upper

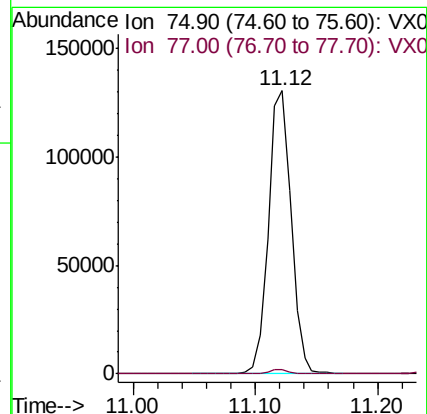
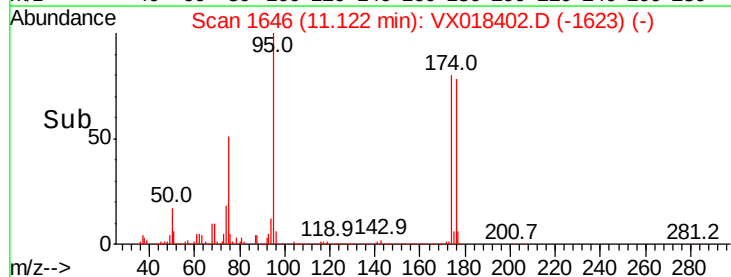
75 100

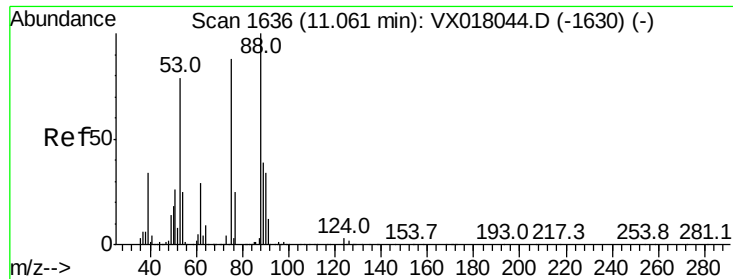
77 1.5 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

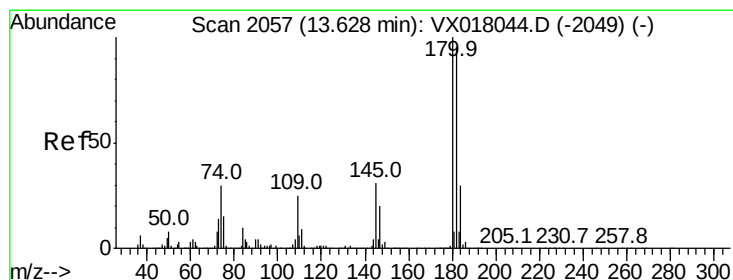
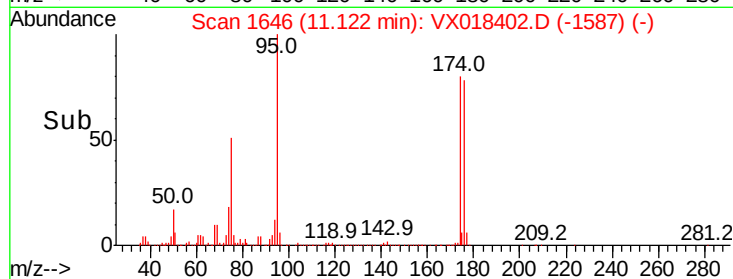
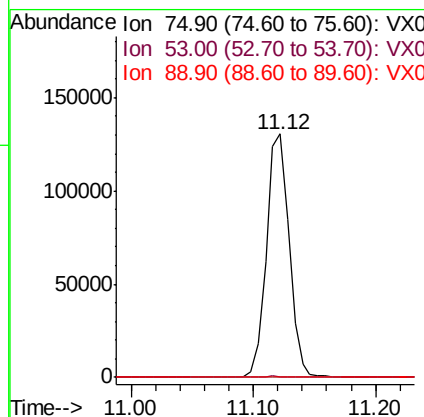
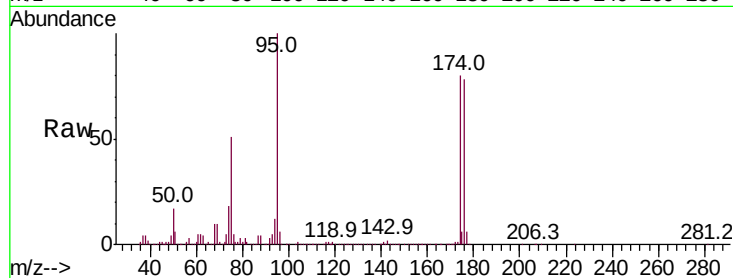




#81
trans-1,4-Dichloro-2-butene
Concen: 63.015 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018402.D
Acq: 15 Sep 2020 13:15

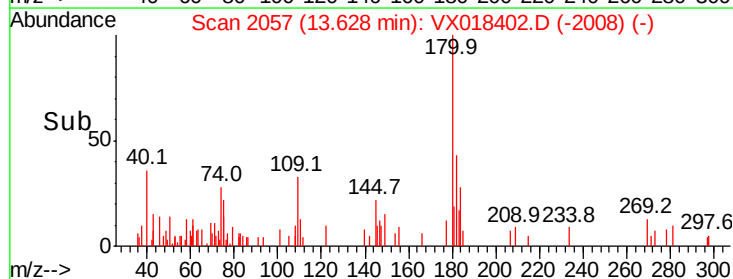
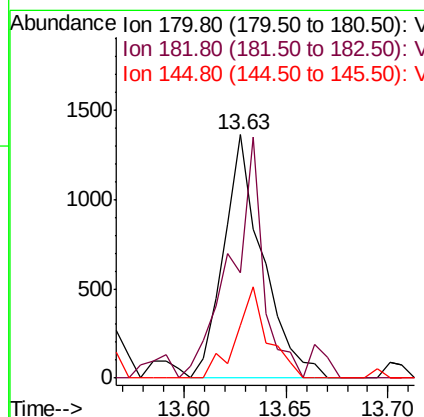
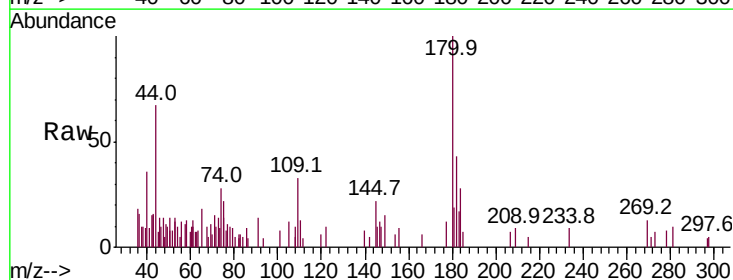
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL01

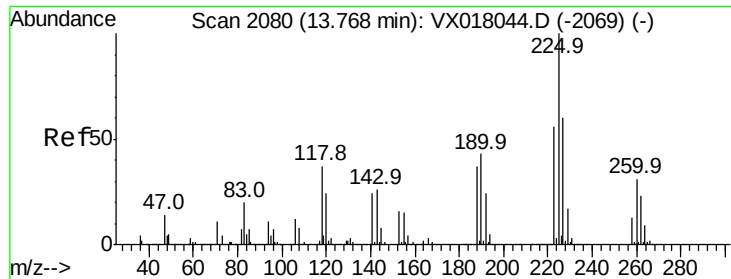
Tot Ion: 75 Resp: 169636
Ion Ratio Lower Upper
75 100
53 0.5 74.7 112.1#
89 0.1 36.6 54.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.275 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX018402.D
Acq: 15 Sep 2020 13:15

Tgt Ion:180 Resp: 1807
Ion Ratio Lower Upper
180 100
182 80.9 47.5 142.6
145 30.2 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.213 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL01

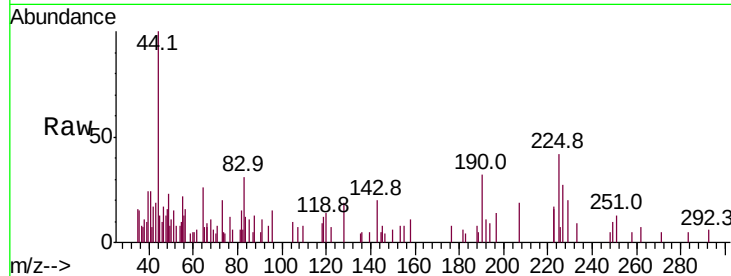
Tot Ion:225 Resp: 551

Ion Ratio Lower Upper

225 100

223 127.6 30.7 92.1#

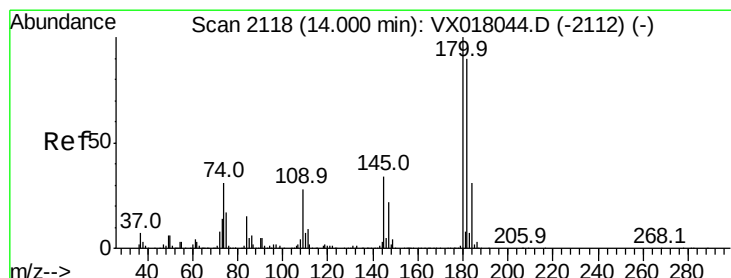
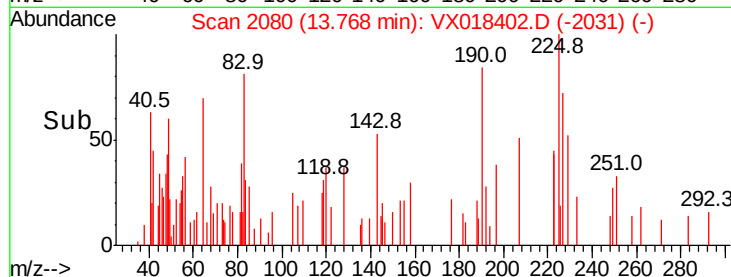
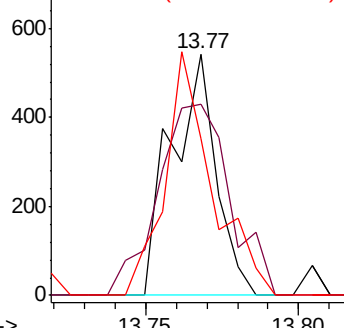
227 105.1 32.6 97.8#



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: 0.279 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX018402.D

Acq: 15 Sep 2020 13:15

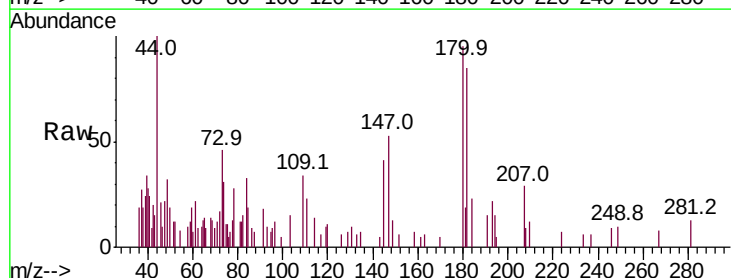
Tgt Ion:180 Resp: 1811

Ion Ratio Lower Upper

180 100

182 78.6 47.3 142.0

145 28.6 17.5 52.6



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

