

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018231.D
 Acq On : 03 Sep 2020 13:51
 Operator : JC/SP
 Sample : L3903-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:20:19 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	471189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	771487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	737835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	369241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	347062	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	5.47	113	267693	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	8.70	98	942801	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.12	95	345402	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

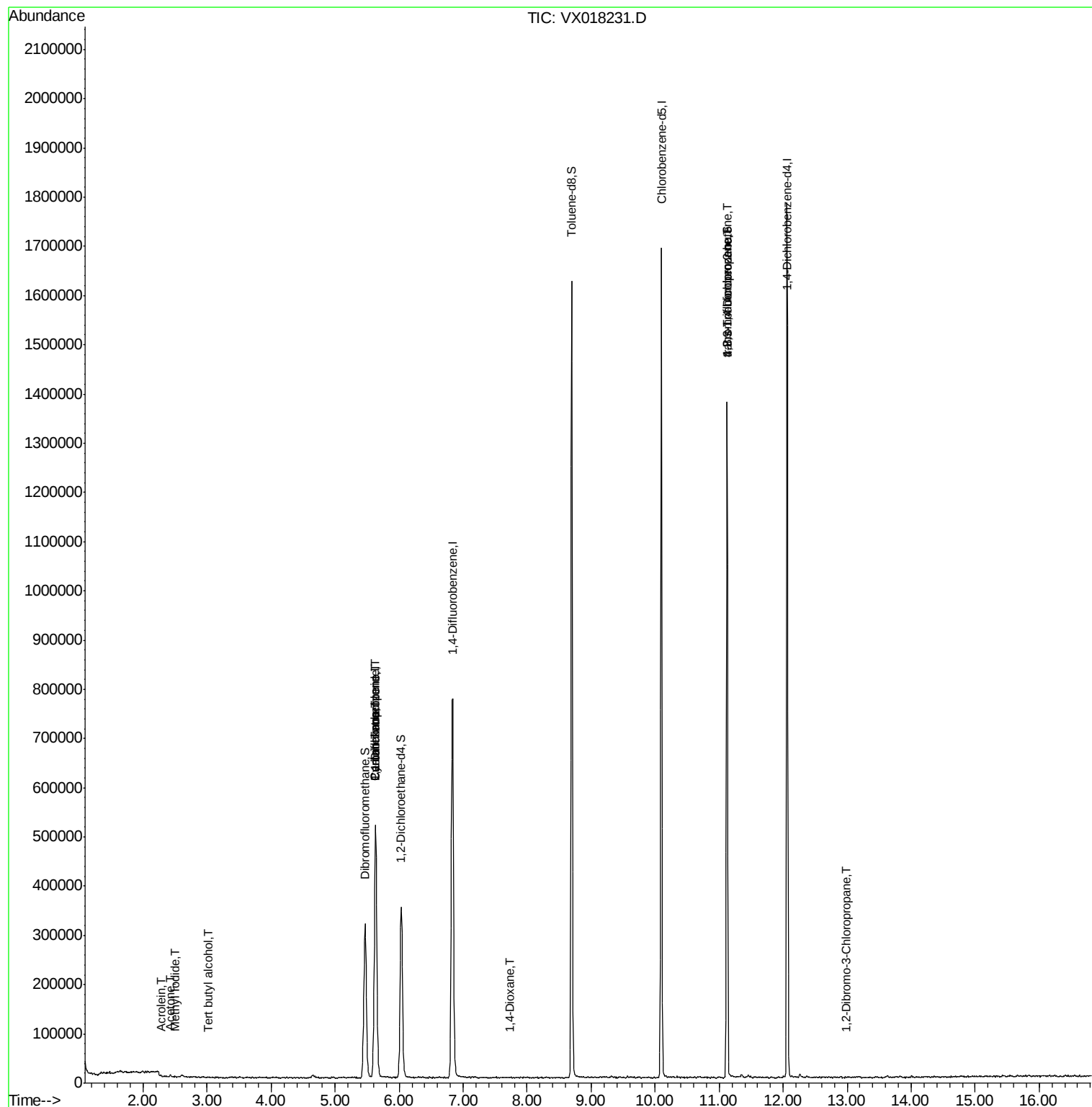
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	318	5.346	ug/l #	59
11) Tert butyl alcohol	3.01	59	678	0.533	ug/l #	67
13) Acrolein	2.29	56	374	0.709	ug/l #	39
16) Acetone	2.43	43	4284	1.681	ug/l #	81
20) Methylene Chloride	2.84	84	967	Below Cal	#	69
31) Cyclohexane	5.63	56	11195	1.430	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	35789	5.030	ug/l #	53
38) Carbon Tetrachloride	5.63	117	49377	6.157	ug/l #	17
49) 1,4-Dioxane	7.71	88	191	1.587	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	179007	21.793	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	179007	58.860	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	498	0.232	ug/l #	8

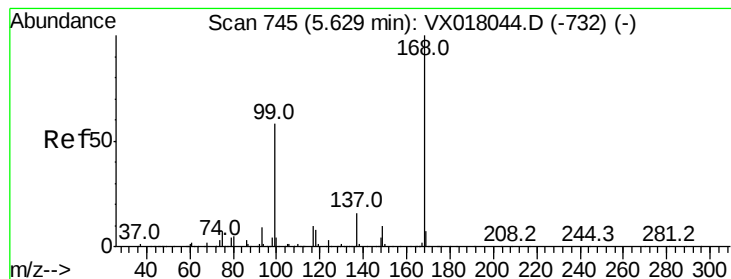
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018231.D

Acq: 03 Sep 2020 13:51

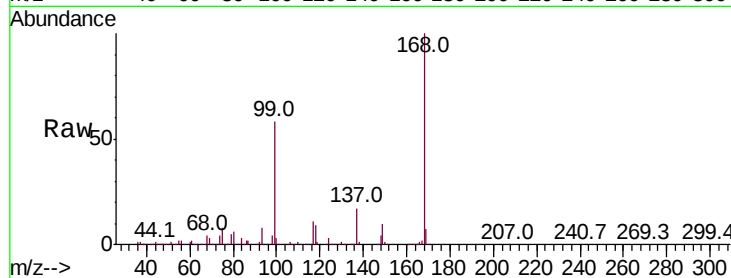
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 471189

Ion Ratio Lower Upper

168 100

99 58.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

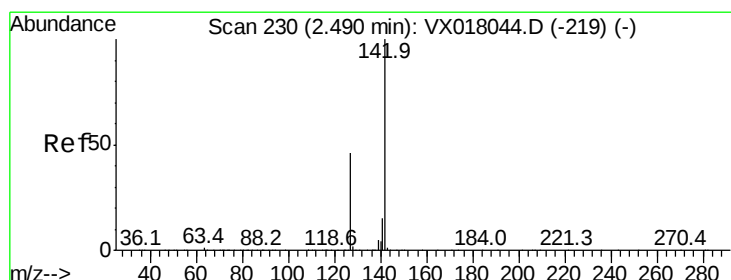
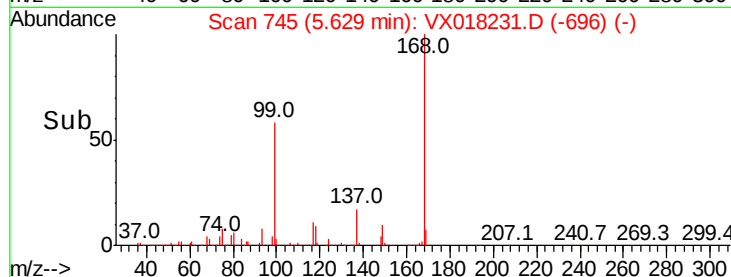
50000

0

5.50 5.60 5.70 5.80

5.63

Time-->



#10

Methyl Iodide

Concen: 5.346 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

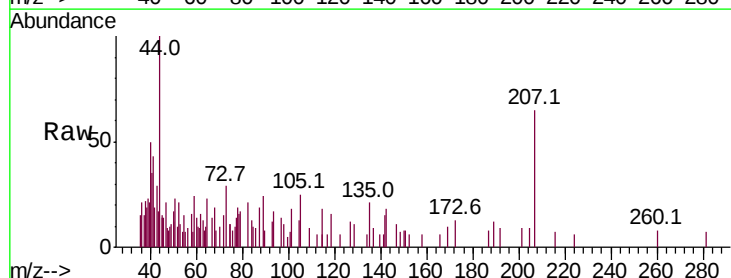
Tgt Ion:142 Resp: 318

Ion Ratio Lower Upper

142 100

127 23.9 37.0 55.6#

141 39.9 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

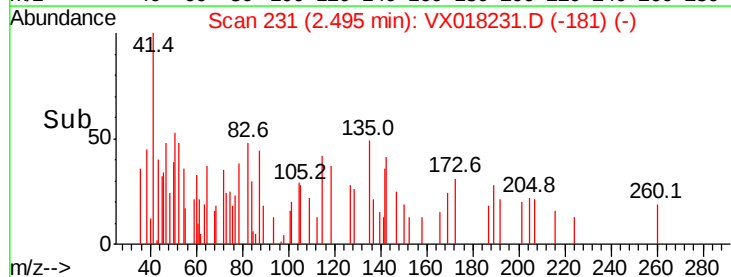
100

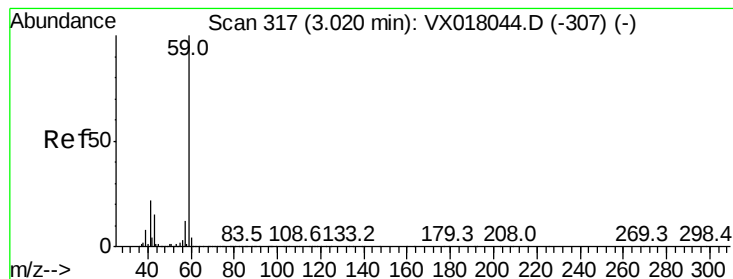
0

2.46 2.48 2.50 2.52

2.50

Time-->



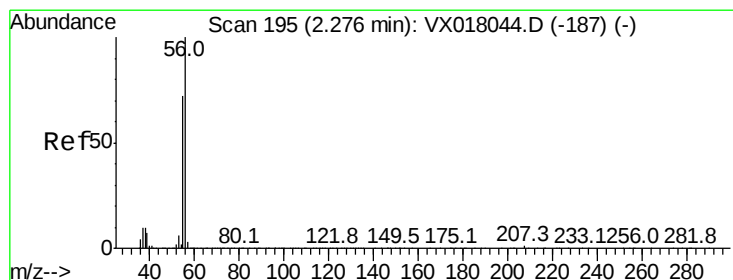
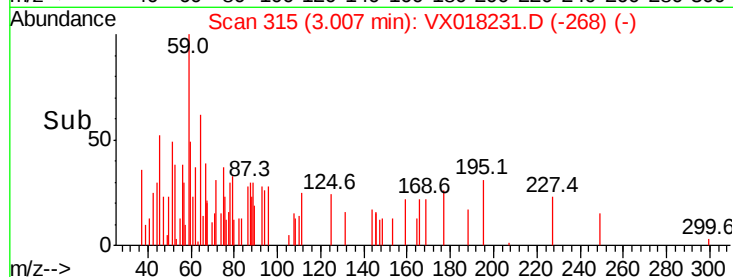
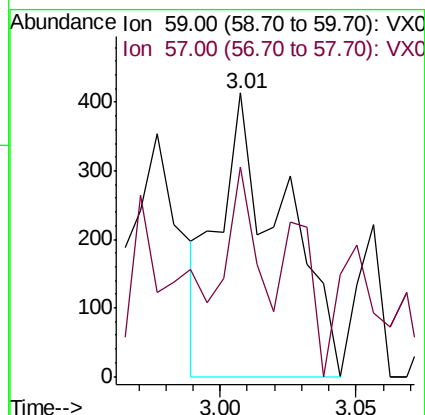
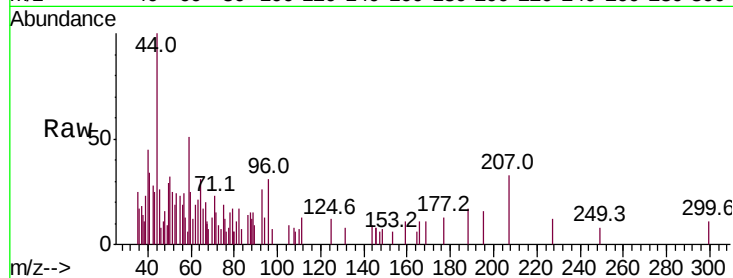


#11

Tert butyl alcohol
Concen: 0.533 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Instrument :
MSVOA_X
Client Sampled :

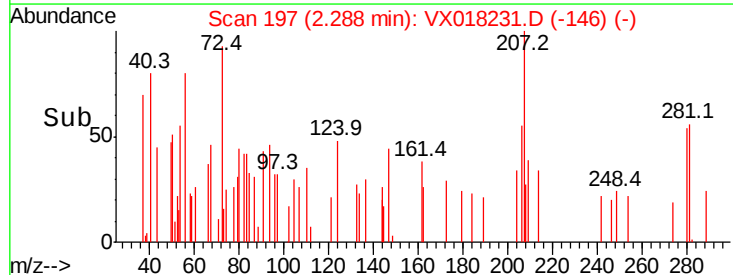
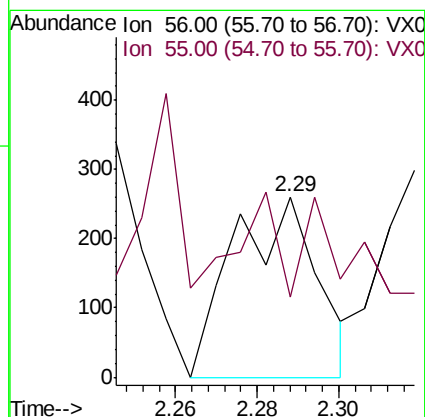
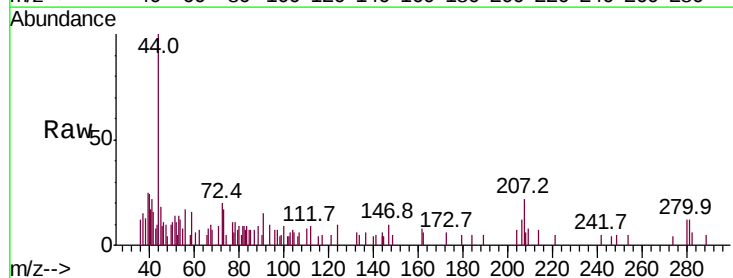
Tot Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 23.6 8.9 13.3#

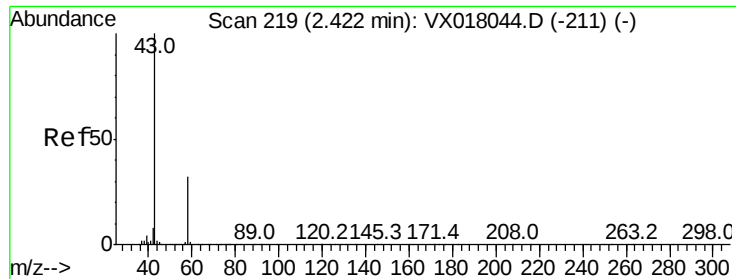


#13

Acrolein
Concen: 0.709 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Tgt Ion: 56 Resp: 374
Ion Ratio Lower Upper
56 100
55 21.1 57.0 85.6#

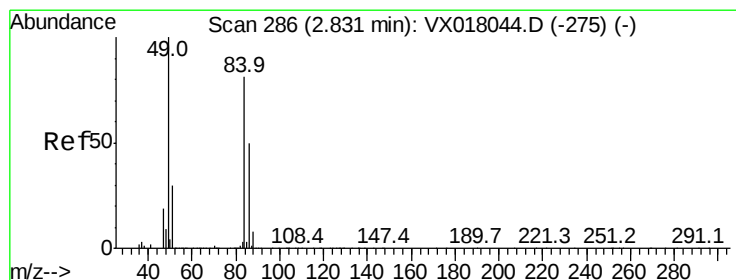
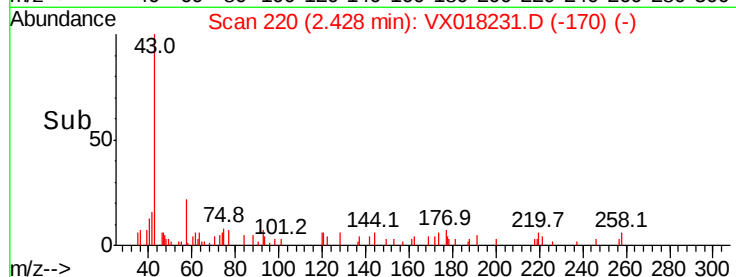
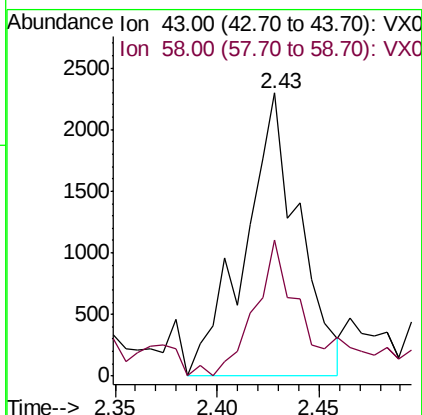
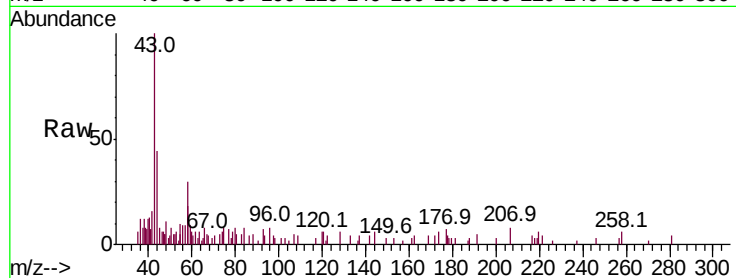




#16
Acetone
Concen: 1.681 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

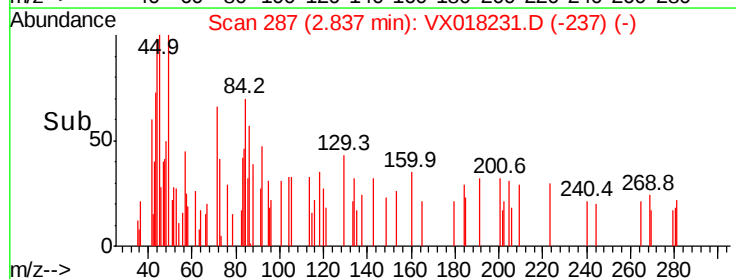
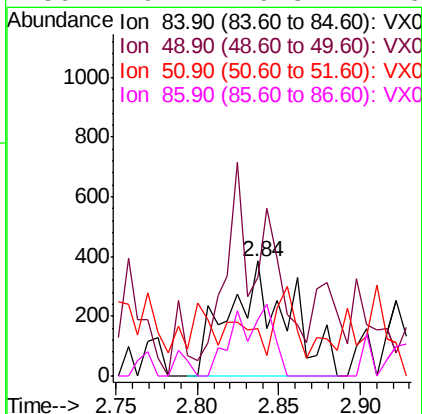
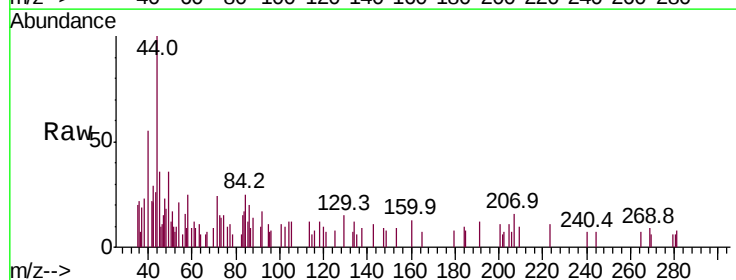
Instrument :
MSVOA_X
ClientSampled :

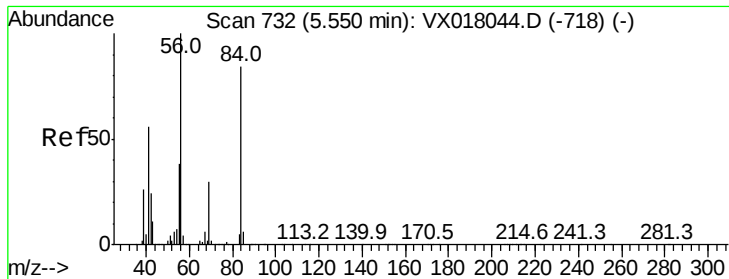
Tot Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
58 42.4 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Tgt Ion: 84 Resp: 967
Ion Ratio Lower Upper
84 100
49 68.6 98.6 148.0#
51 42.3 29.6 44.4
86 70.4 49.8 74.6

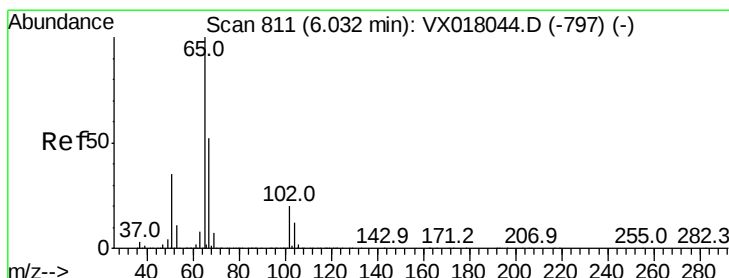
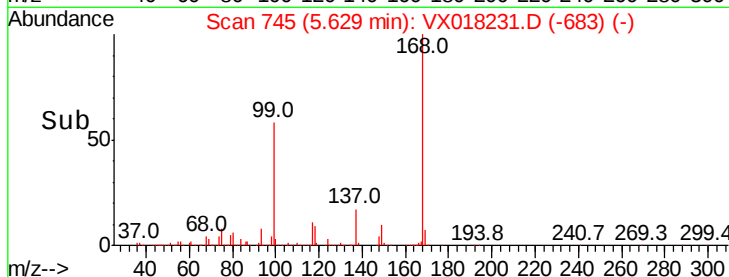
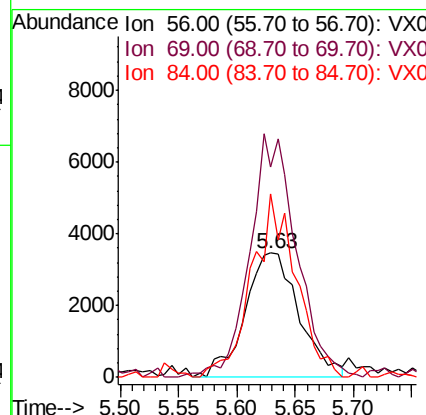
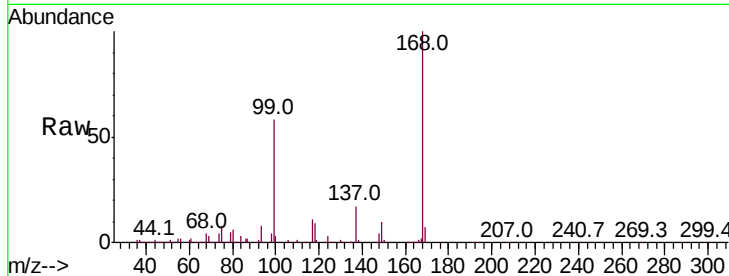




#31
Cyclohexane
Concen: 1.430 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

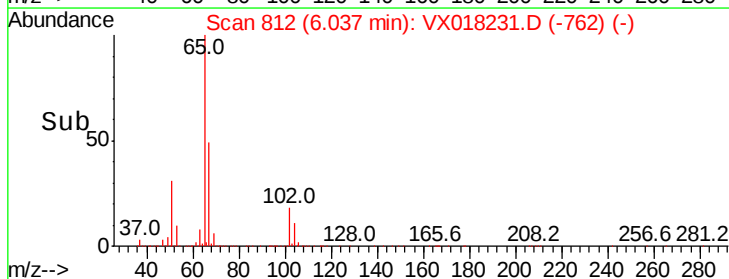
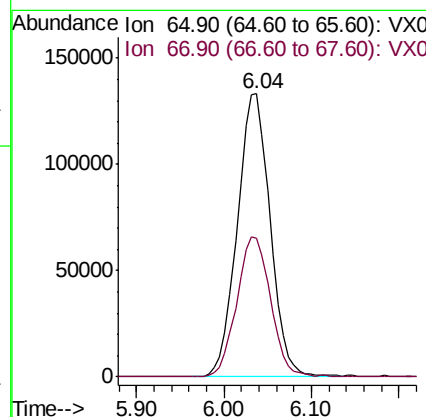
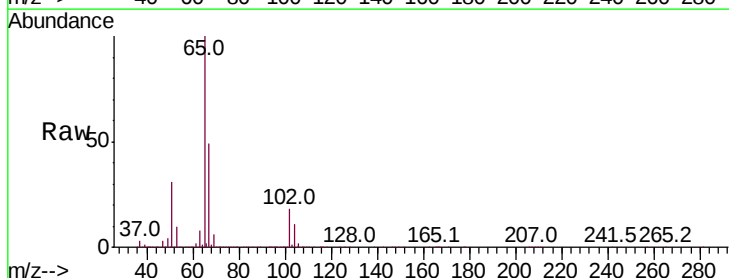
Instrument :
MSVOA_X
ClientSampleId :

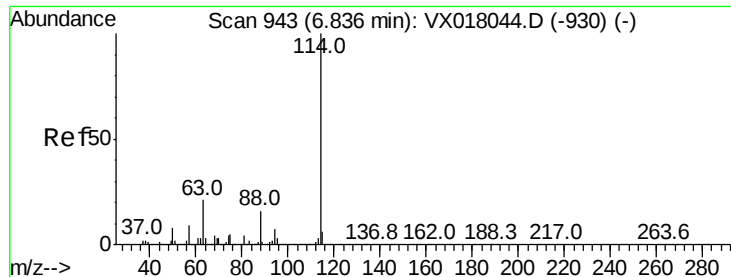
Tot Ion: 56 Resp: 11195
Ion Ratio Lower Upper
56 100
69 167.0 23.9 35.9#
84 147.8 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 53.057 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Tgt Ion: 65 Resp: 347062
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

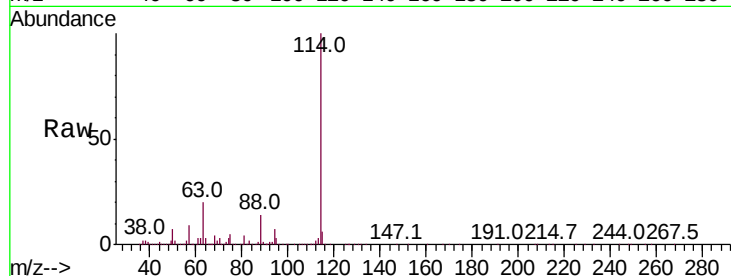
Tot Ion:114 Resp: 771487

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

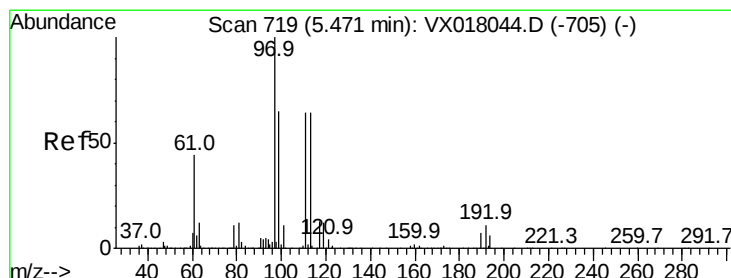
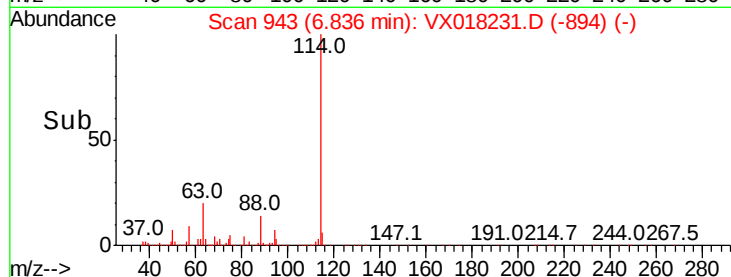
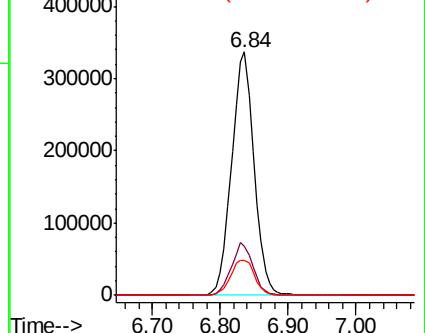
88 14.3 0.0 31.8



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: 50.948 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

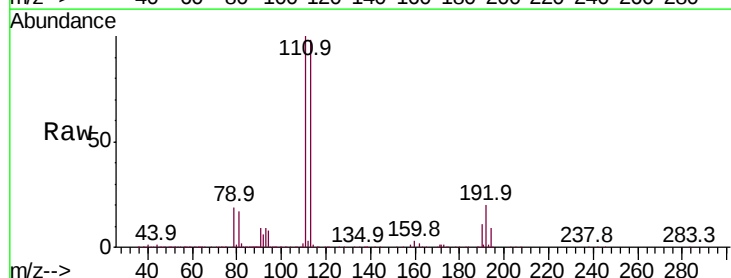
Tgt Ion:113 Resp: 267693

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

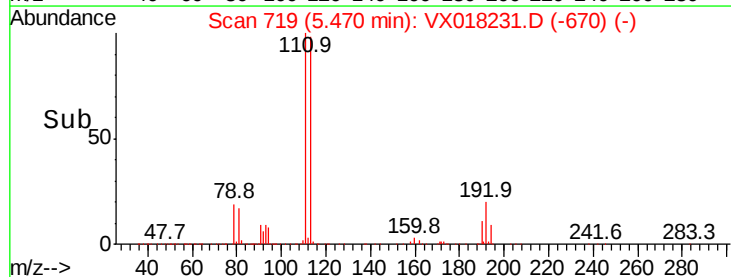
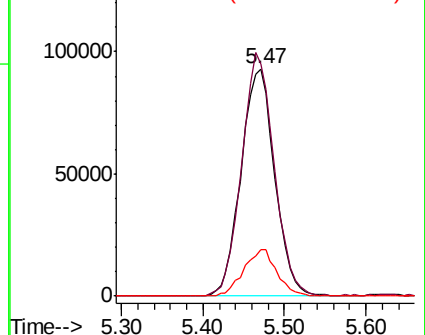
192 20.4 15.8 23.8

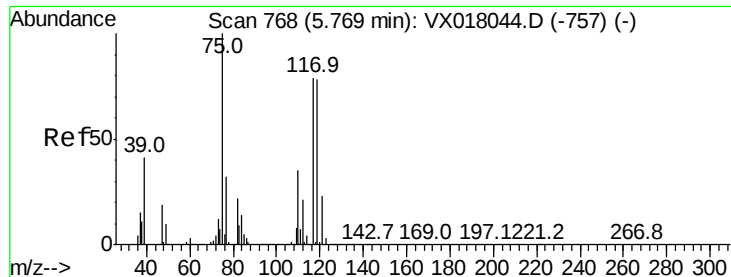


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

Instrument :
MSVOA_X
ClientSampleId :

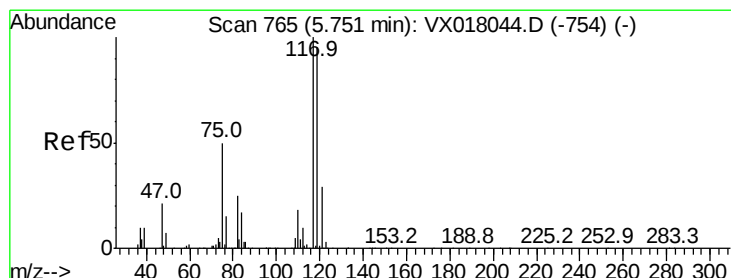
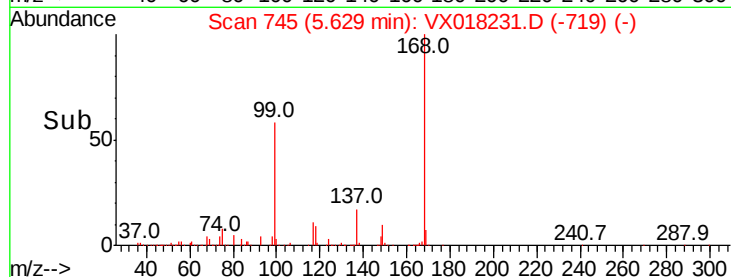
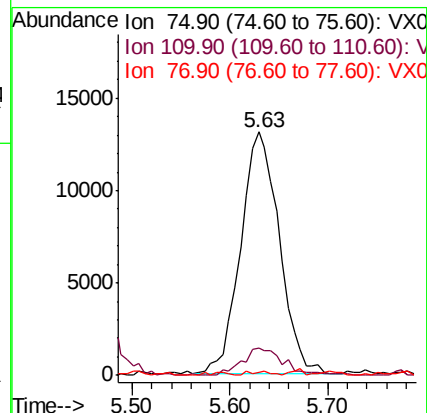
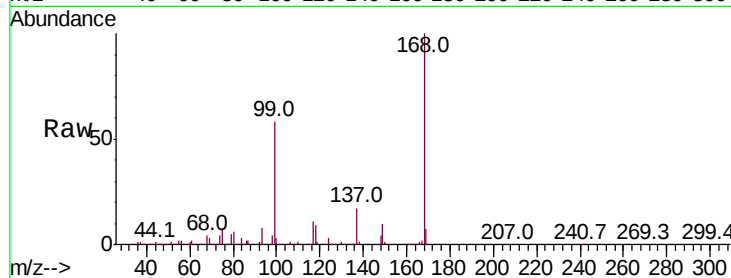
Tot Ion: 75 Resp: 35789

Ion Ratio Lower Upper

75 100

110 12.1 18.0 54.0#

77 0.4 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.157 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

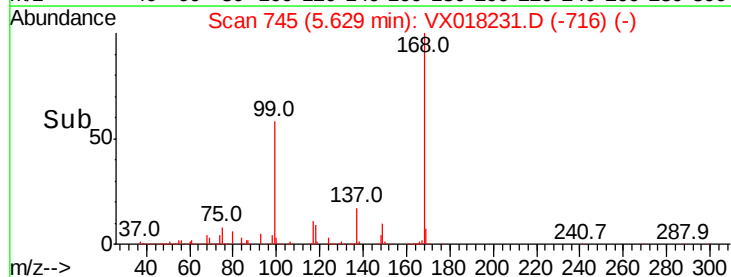
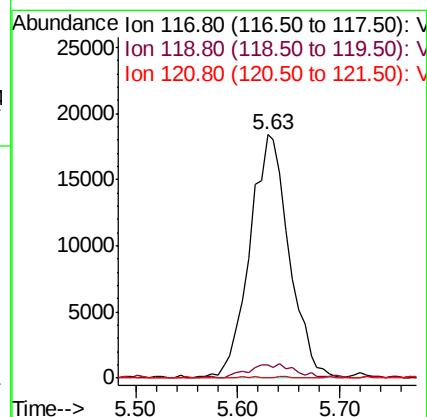
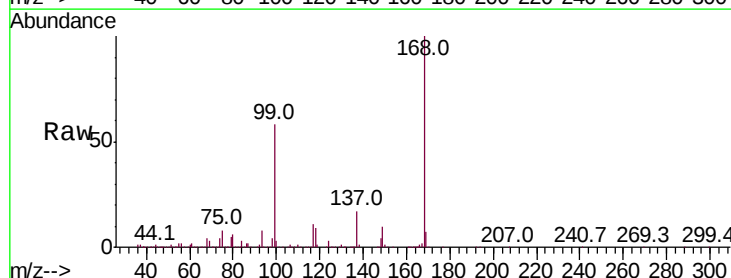
Tgt Ion: 117 Resp: 49377

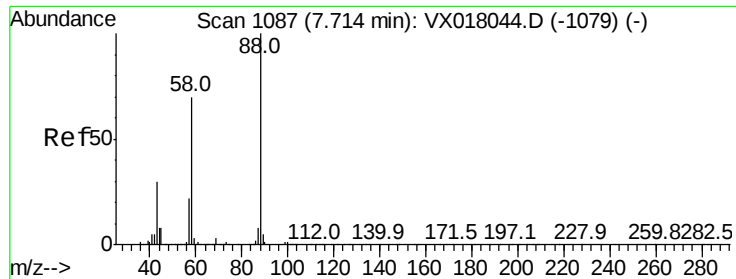
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 23.4 35.0#





#49

1,4-Dioxane

Concen: 1.587 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

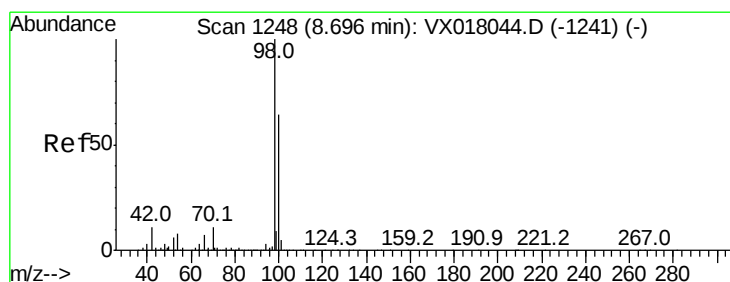
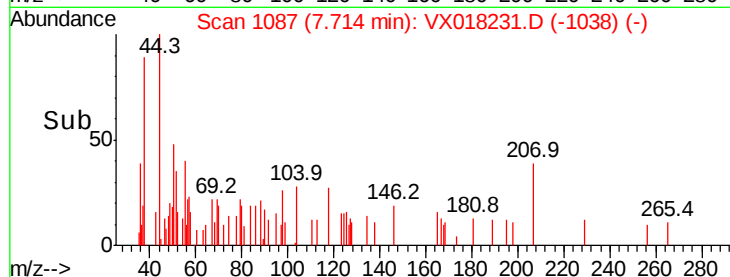
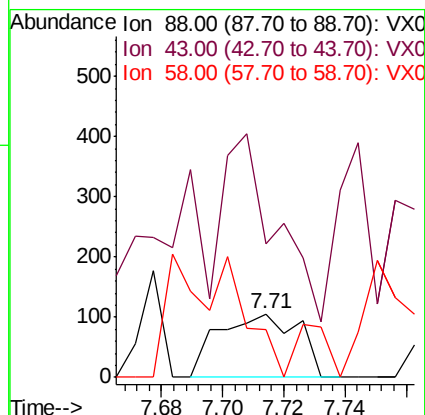
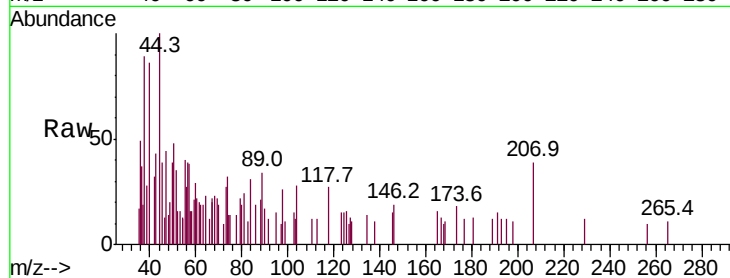
Tot Ion: 88 Resp: 191

Ion Ratio Lower Upper

88 100

43 188.5 27.4 41.0#

58 33.0 56.4 84.6#



#50

Toluene-d8

Concen: 48.177 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018231.D

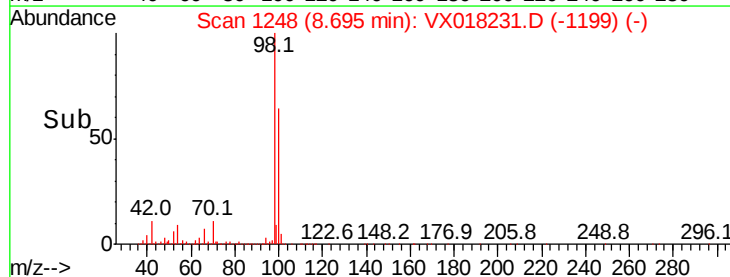
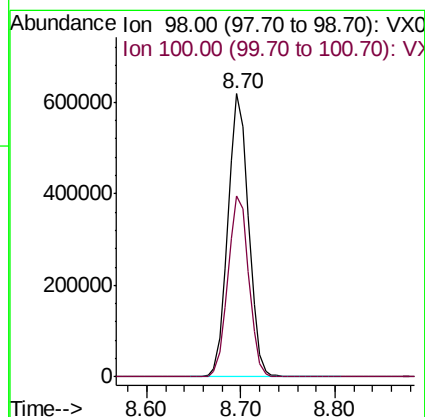
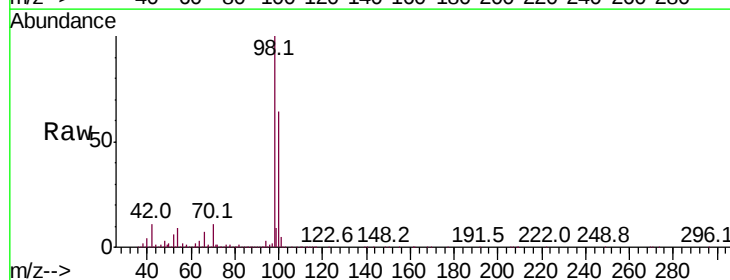
Acq: 03 Sep 2020 13:51

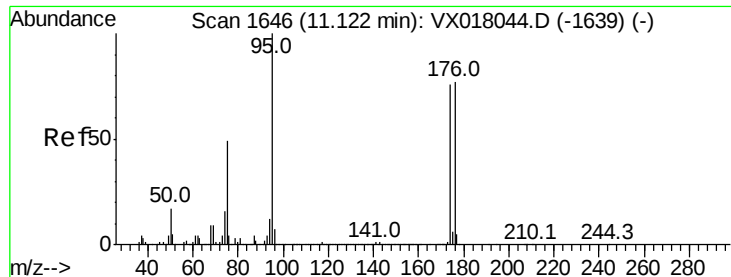
Tgt Ion: 98 Resp: 942801

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.861 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

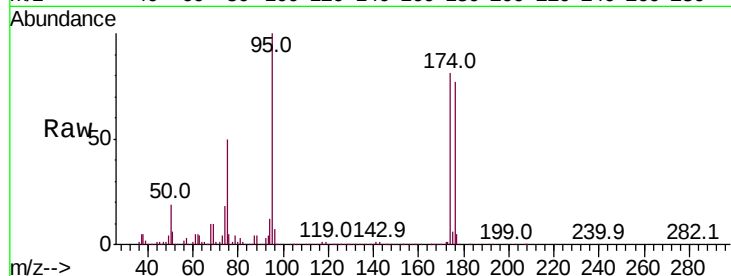
Tot Ion: 95 Resp: 345402

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.2

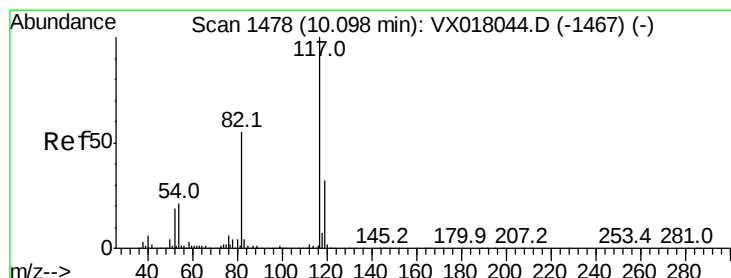
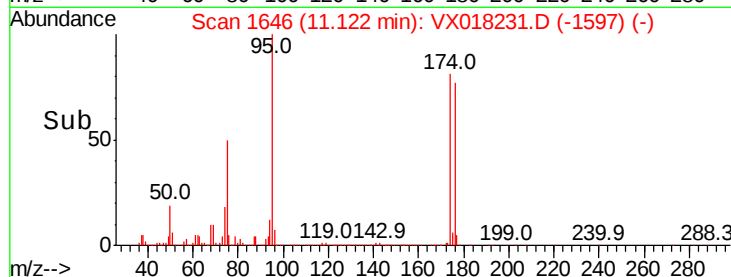
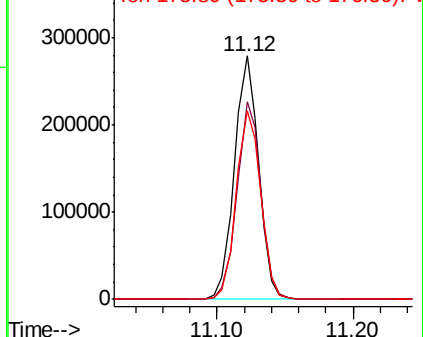
176 78.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018231.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018231.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018231.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

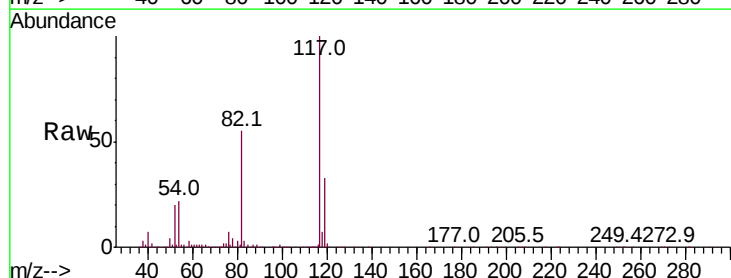
Tgt Ion: 117 Resp: 737835

Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.2

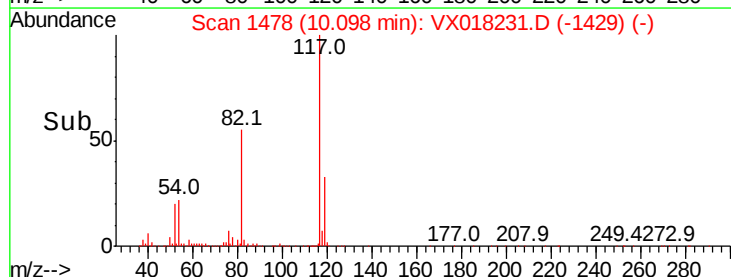
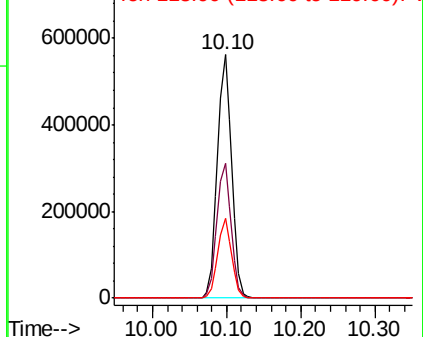
119 32.7 25.7 38.5

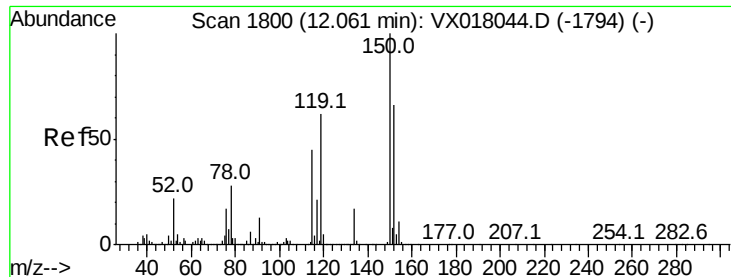


Abundance Ion 116.90 (116.60 to 117.60): VX018231.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018231.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018231.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018231.D

Acq: 03 Sep 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

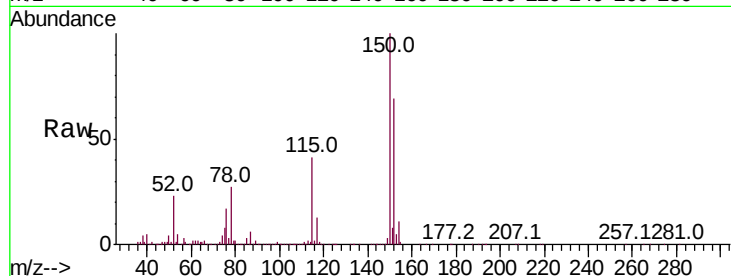
Tot Ion:152 Resp: 369241

Ion Ratio Lower Upper

152 100

115 60.1 41.5 124.5

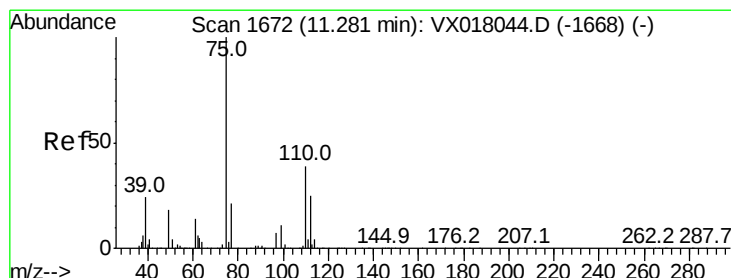
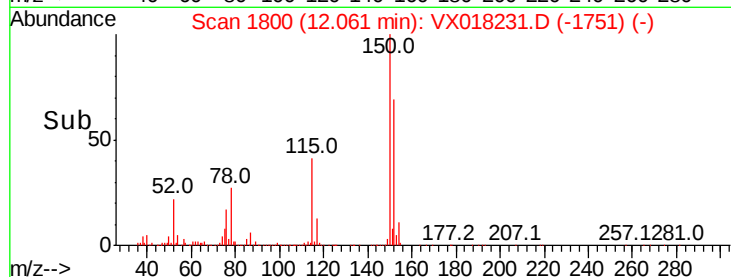
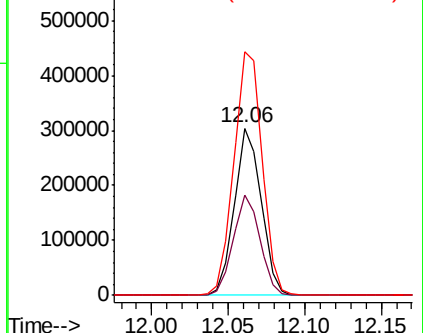
150 153.7 0.0 343.8



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: 21.793 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018231.D

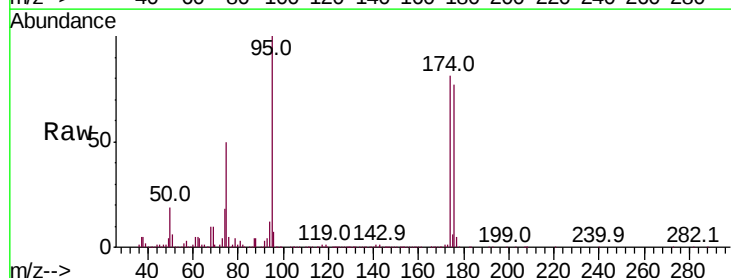
Acq: 03 Sep 2020 13:51

Tgt Ion: 75 Resp: 179007

Ion Ratio Lower Upper

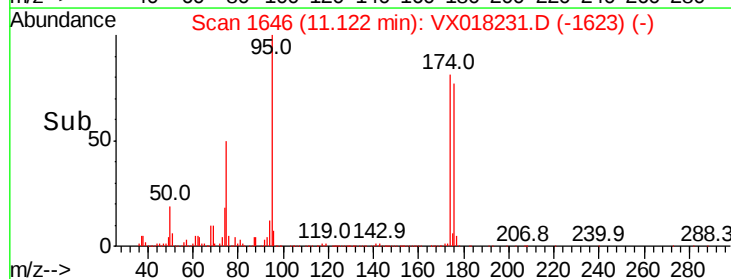
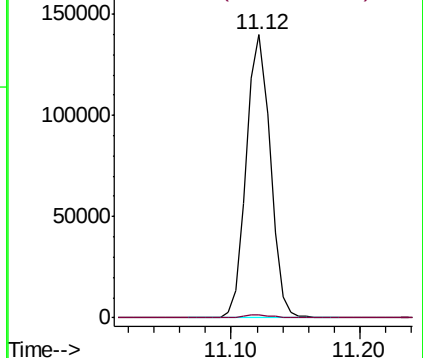
75 100

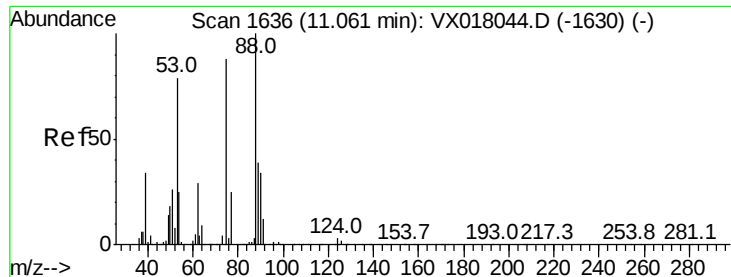
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

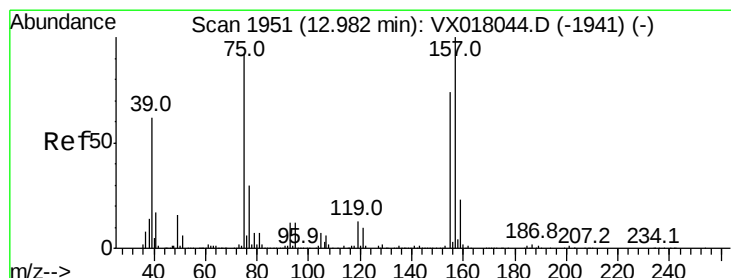
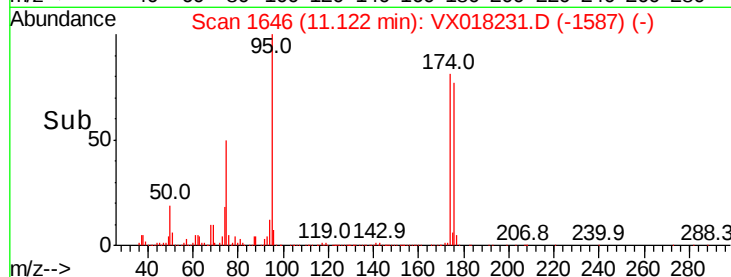
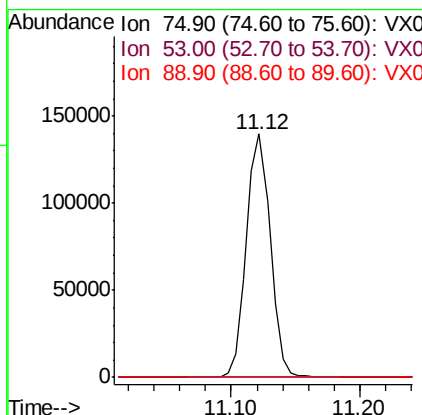
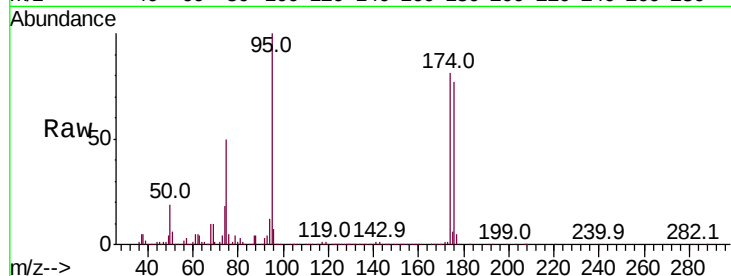




#81
trans-1,4-Dichloro-2-butene
Concen: 58.860 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 179007
Ion Ratio Lower Upper
75 100
53 0.4 74.7 112.1#
89 0.1 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.232 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX018231.D
Acq: 03 Sep 2020 13:51

Tgt Ion: 75 Resp: 498
Ion Ratio Lower Upper
75 100
155 7.2 40.2 120.6#
157 5.8 55.0 165.2#

