

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018237.D
 Acq On : 03 Sep 2020 16:07
 Operator : JC/SP
 Sample : L3903-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ12311-20200902

Quant Time: Sep 04 01:21:42 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	444575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	718817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	692696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	343070	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	330375	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	5.46	113	257329	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	8.70	98	890995	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.12	95	325019	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

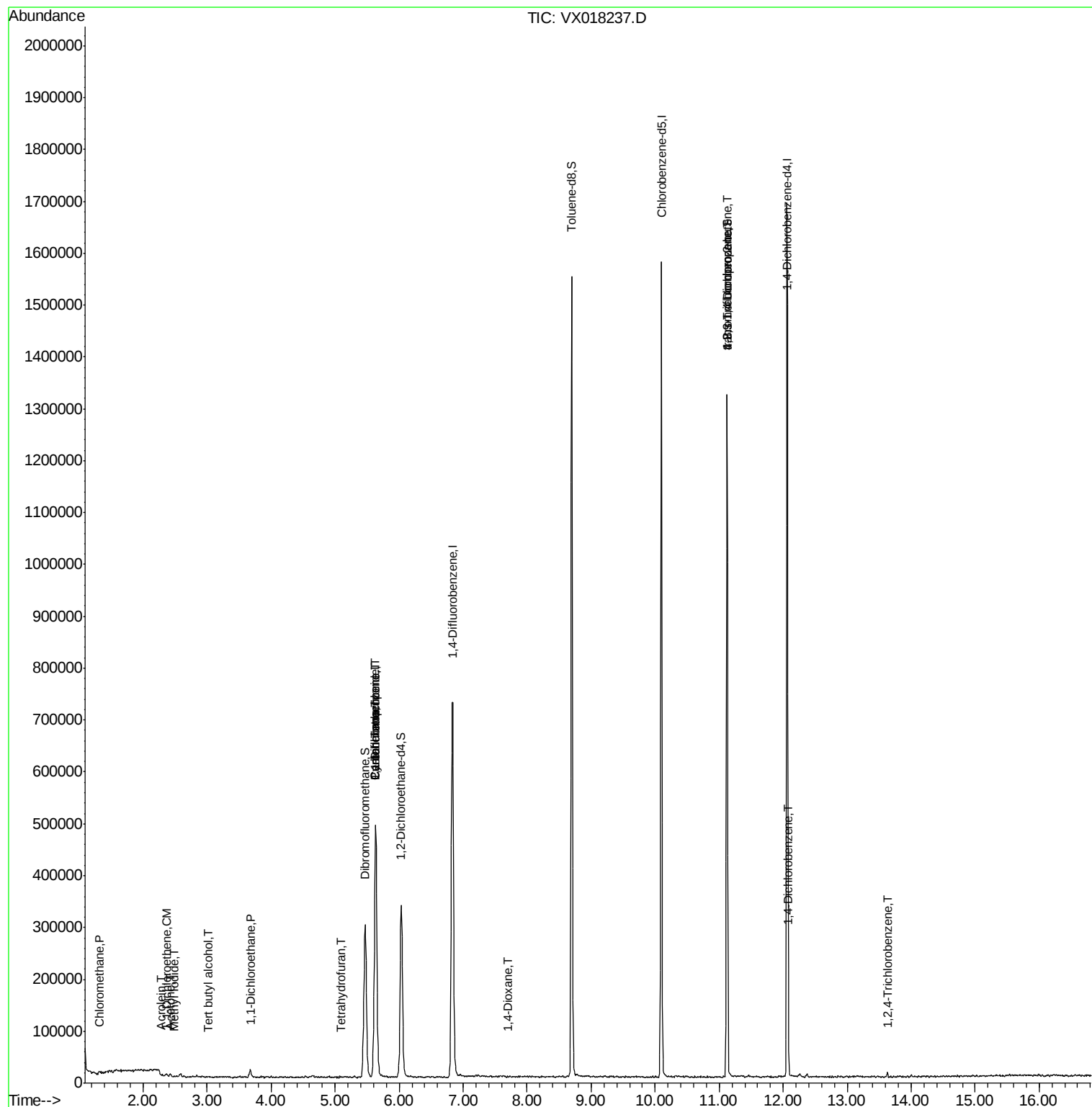
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1820	0.319	ug/l #	88
10) Methyl Iodide	2.49	142	243	5.335	ug/l #	73
11) Tert butyl alcohol	3.01	59	420	0.350	ug/l #	21
12) 1,1-Dichloroethene	2.37	96	1311	0.302	ug/l #	52
13) Acrolein	2.28	56	220	0.442	ug/l #	14
16) Acetone	2.42	43	5018	2.087	ug/l	94
20) Methylene Chloride	2.83	84	756	Below Cal	#	81
24) 1,1-Dichloroethane	3.67	63	15499	1.767	ug/l #	95
29) Tetrahydrofuran	5.09	42	575	0.229	ug/l #	37
31) Cyclohexane	5.63	56	9605	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	34001	5.128	ug/l #	52
38) Carbon Tetrachloride	5.63	117	46457	6.218	ug/l #	19
49) 1,4-Dioxane	7.70	88	29	0.259	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	169430	22.201	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	169430	59.961	ug/l #	12
88) 1,4-Dichlorobenzene	12.08	146	3264	0.297	ug/l #	24
93) 1,2,4-Trichlorobenzene	13.63	180	1616	0.234	ug/l #	88

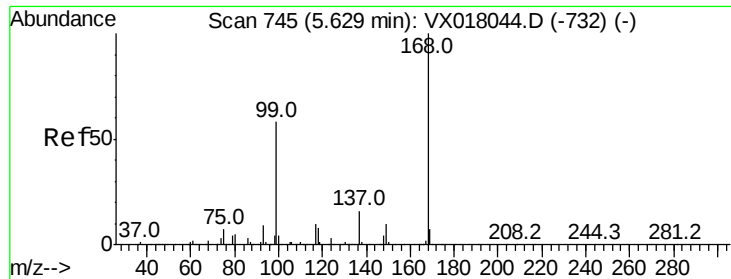
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

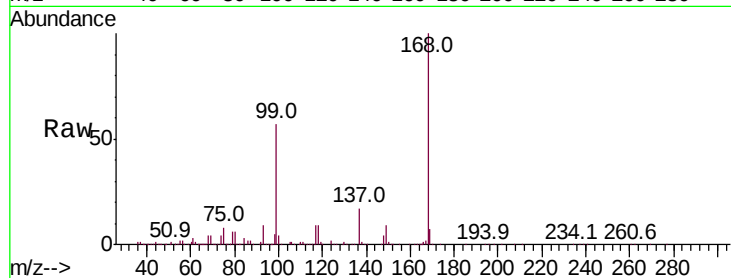
SA-PZ12311-20200902

Tot Ion:168 Resp: 444575

Ion Ratio Lower Upper

168 100

99 57.5 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

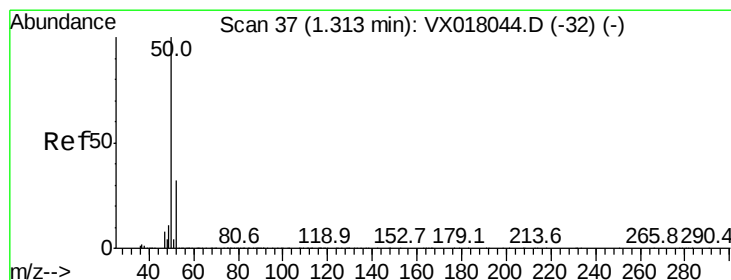
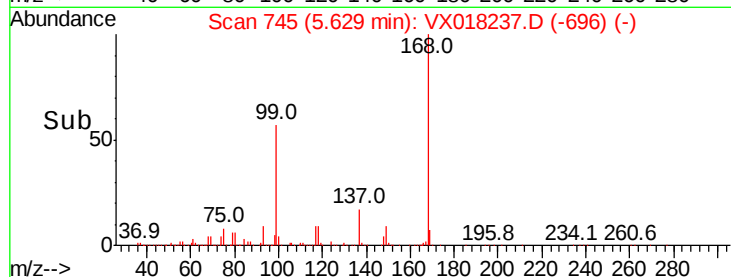
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018237.D

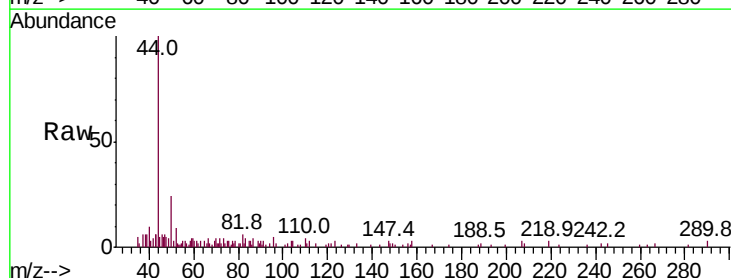
Acq: 03 Sep 2020 16:07

Tgt Ion: 50 Resp: 1820

Ion Ratio Lower Upper

50 100

52 25.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

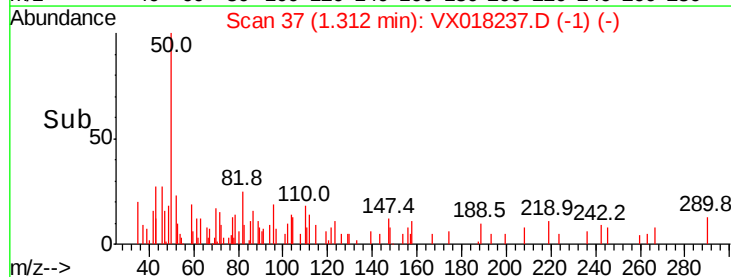
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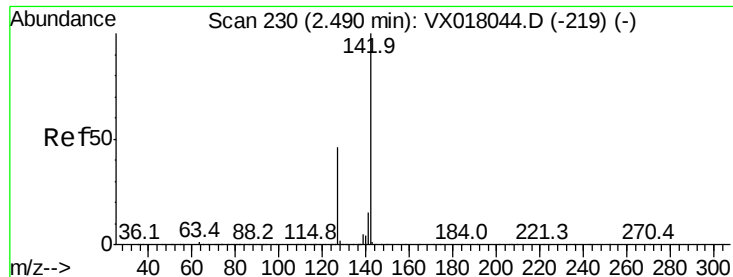
1000

500

0

Time-->

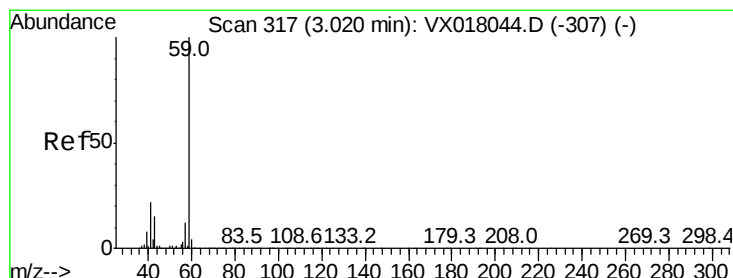
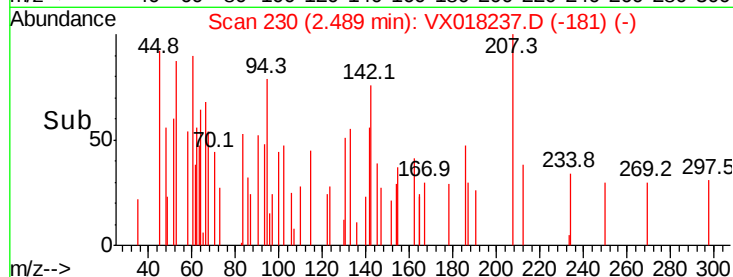
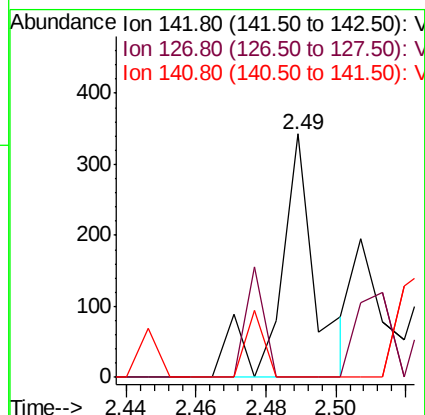
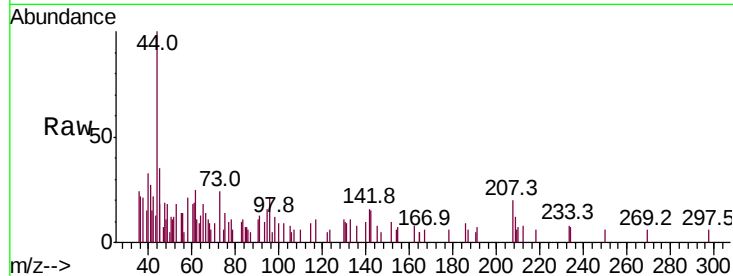




#10
Methvl Iodide
Concen: 5.335 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

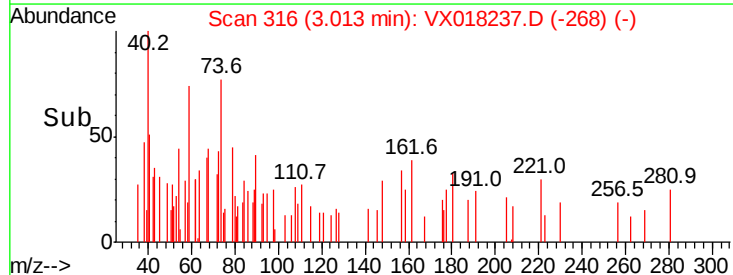
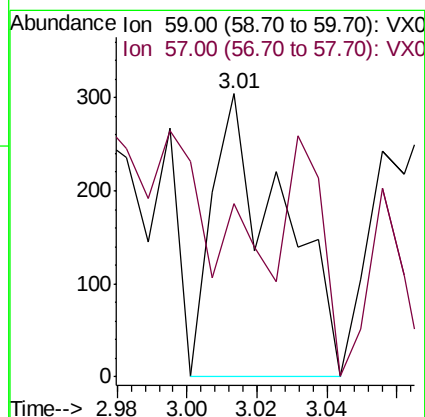
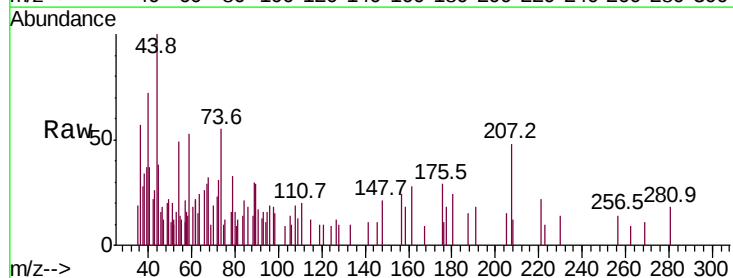
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123I1-20200902

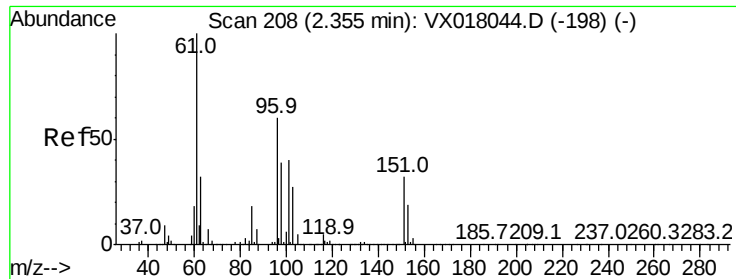
Tot Ion:142 Resp: 243
Ion Ratio Lower Upper
142 100
127 23.5 37.0 55.6#
141 14.0 11.5 17.3



#11
Tert butyl alcohol
Concen: 0.350 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 41.2 8.9 13.3#





#12

1,1-Dichloroethene

Concen: 0.302 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ12311-20200902

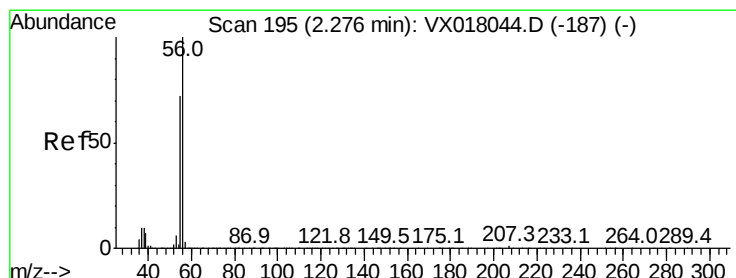
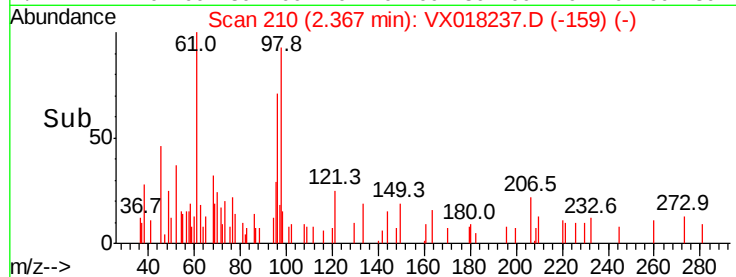
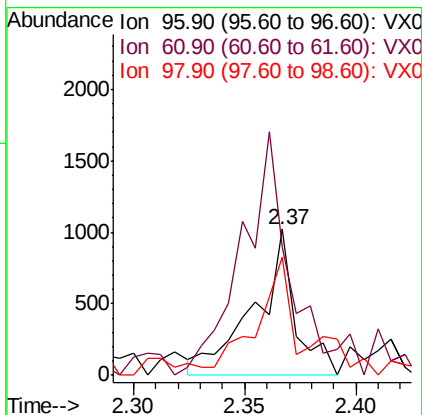
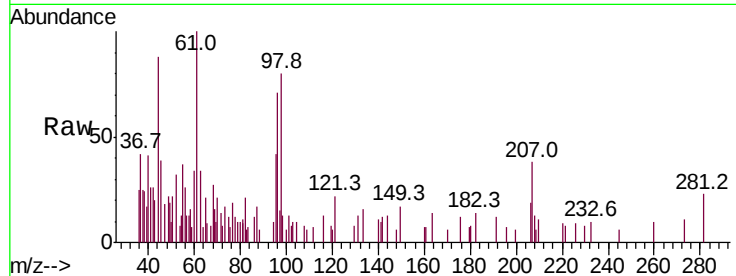
Tot Ion: 96 Resp: 1311

Ion Ratio Lower Upper

96 100

61 82.6 133.0 199.4#

98 73.2 51.6 77.4



#13

Acrolein

Concen: 0.442 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018237.D

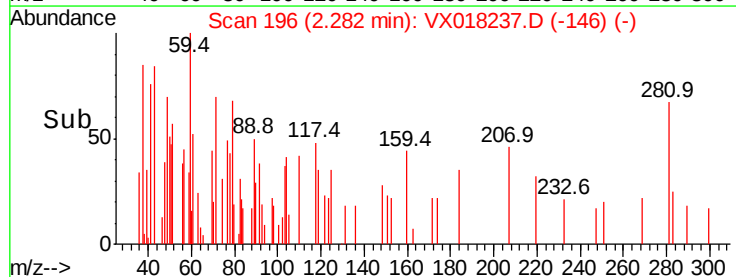
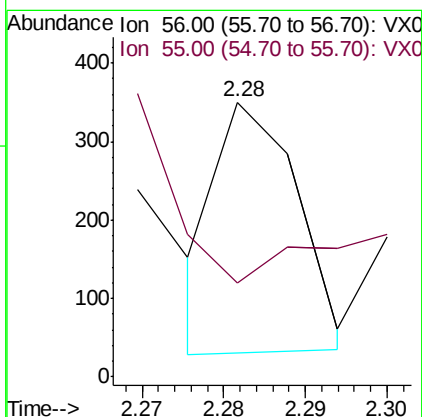
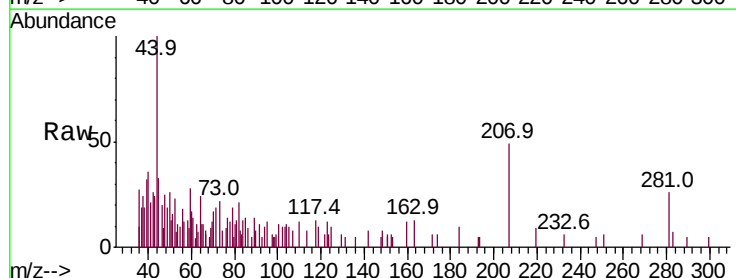
Acq: 03 Sep 2020 16:07

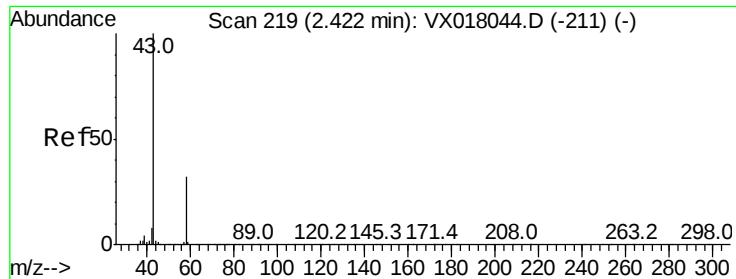
Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#

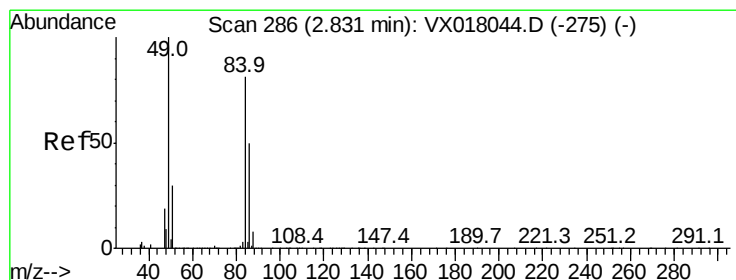
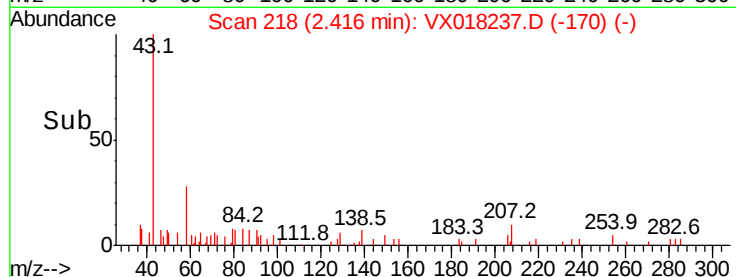
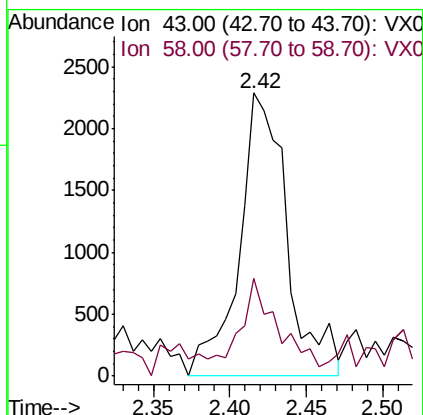
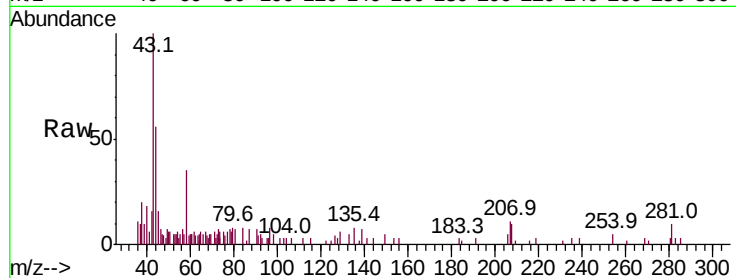




#16
Acetone
Concen: 2.087 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

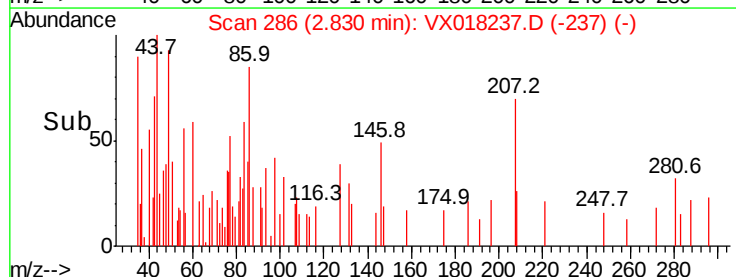
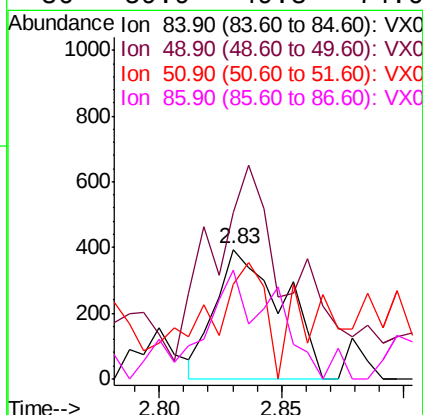
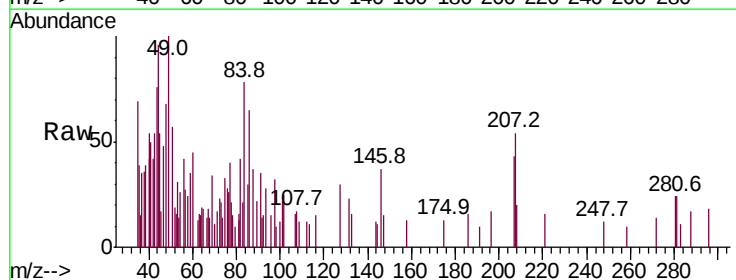
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ12311-20200902

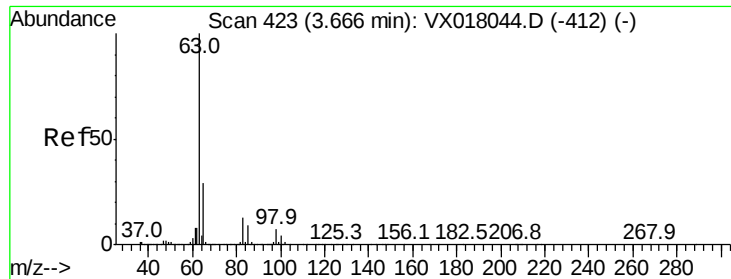
Tot Ion: 43 Resp: 5018
Ion Ratio Lower Upper
43 100
58 28.4 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

Tgt Ion: 84 Resp: 756
Ion Ratio Lower Upper
84 100
49 88.8 98.6 148.0#
51 40.4 29.6 44.4
86 59.9 49.8 74.6





#24

1,1-Dichloroethane

Concen: 1.767 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123I1-20200902

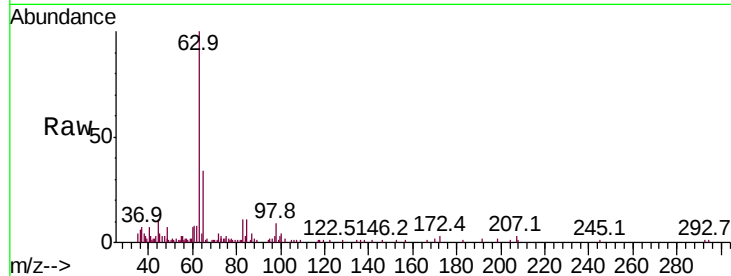
Tot Ion: 63 Resp: 15499

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

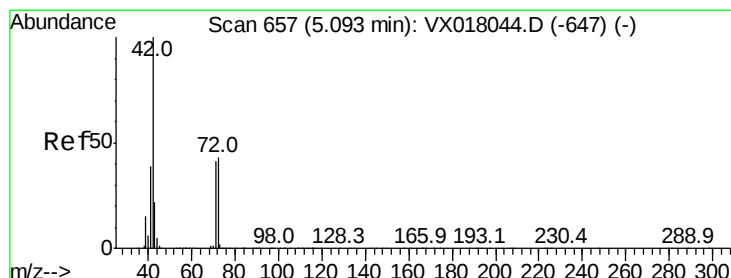
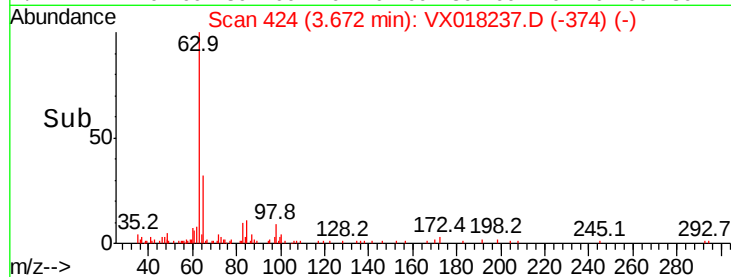
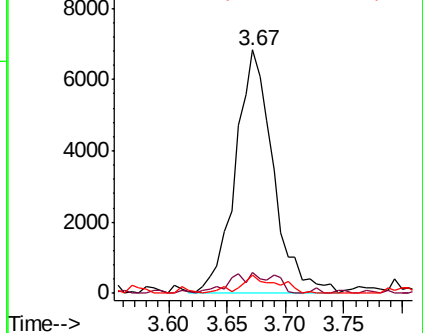
100 7.6 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

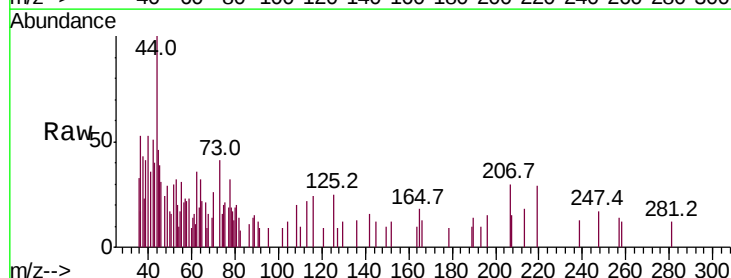
Tgt Ion: 42 Resp: 575

Ion Ratio Lower Upper

42 100

72 3.8 34.2 51.4#

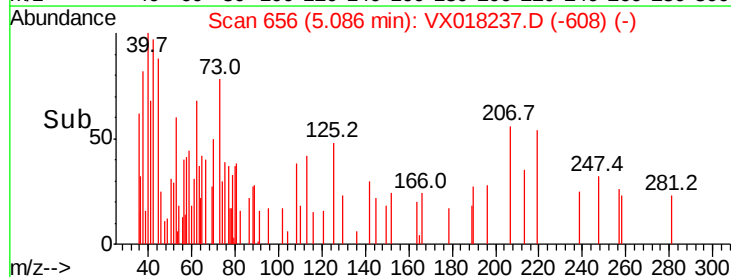
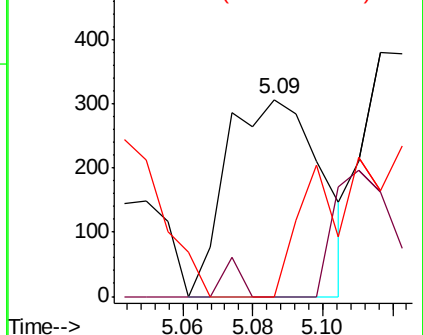
71 0.0 32.1 48.1#

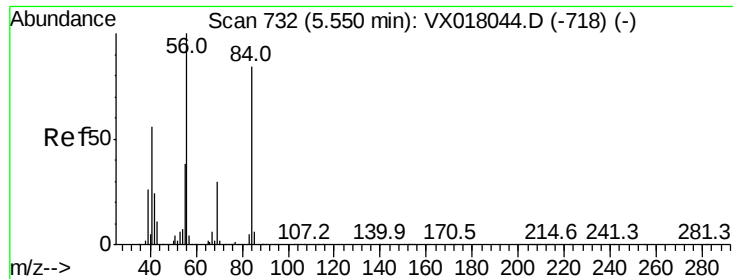


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

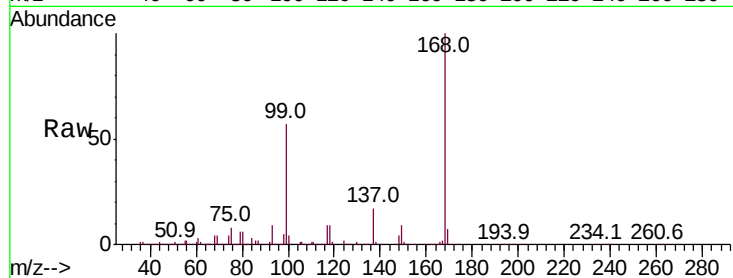




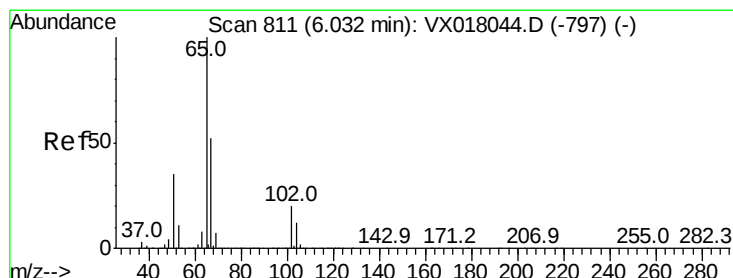
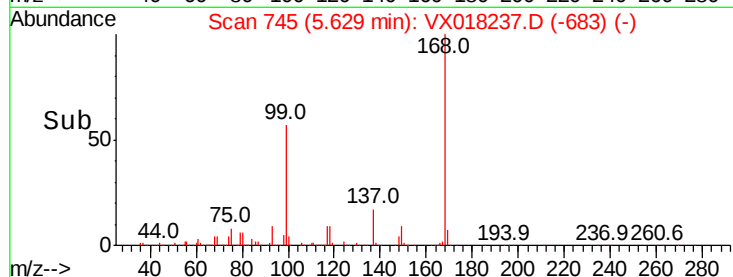
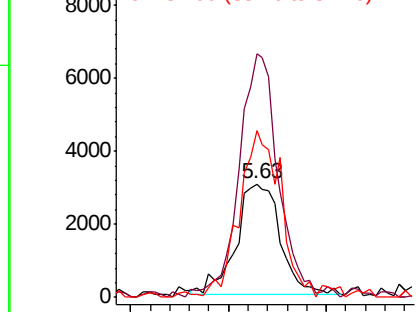
#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

Instrument :
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SA-PZ12311-20200902

Tot Ion: 56 Resp: 9605
Ion Ratio Lower Upper
56 100
69 219.2 23.9 35.9#
84 147.6 67.0 100.4#

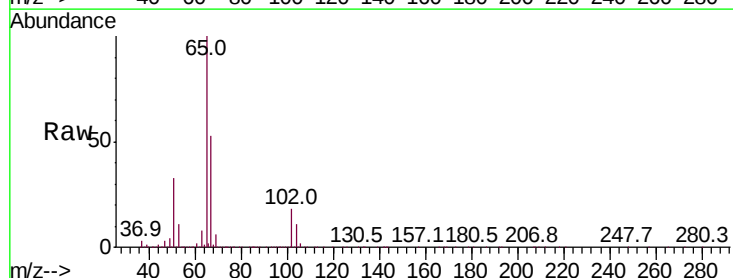


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

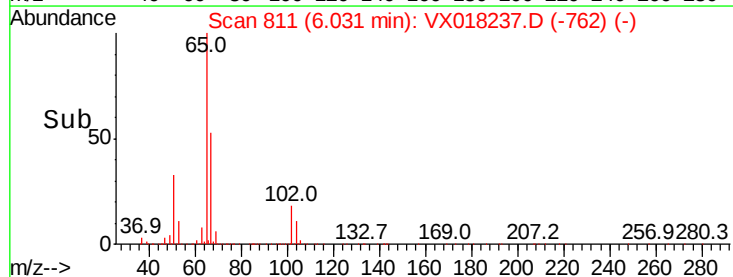
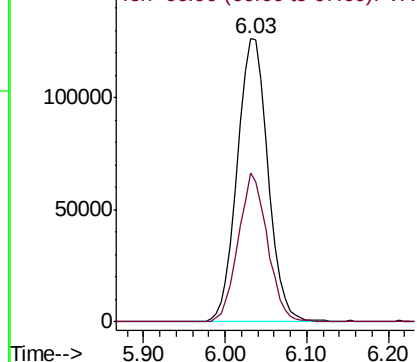


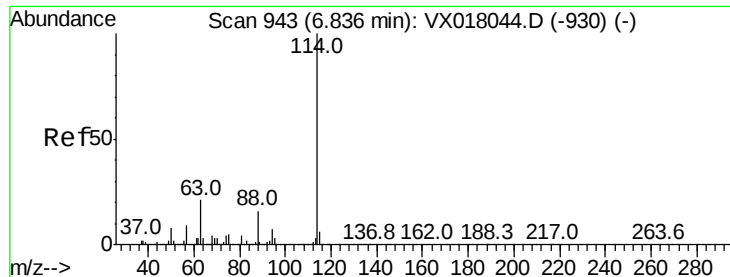
#33
1,2-Dichloroethane-d4
Concen: 53.529 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

Tgt Ion: 65 Resp: 330375
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

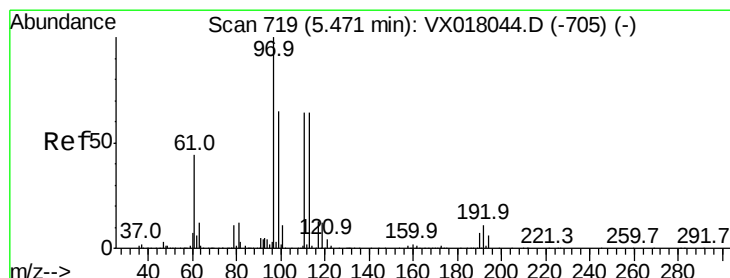
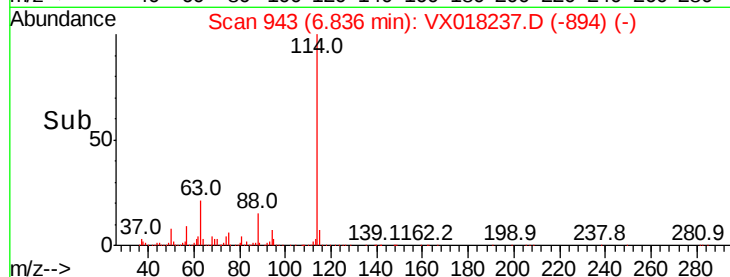
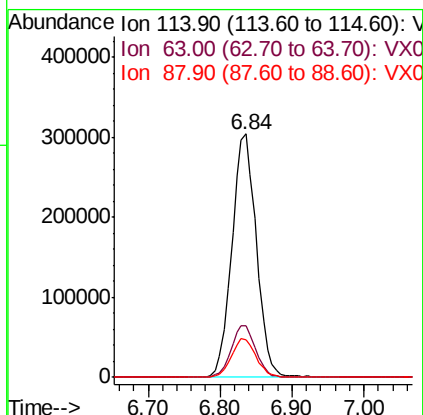
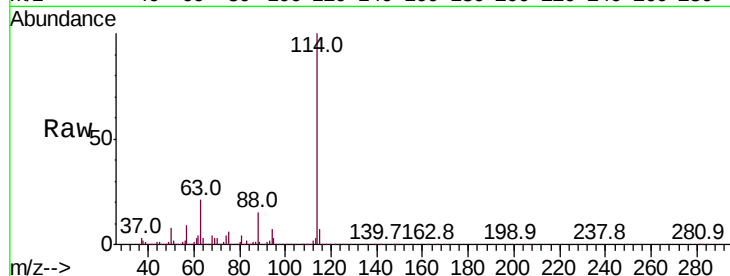




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. -0.00 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

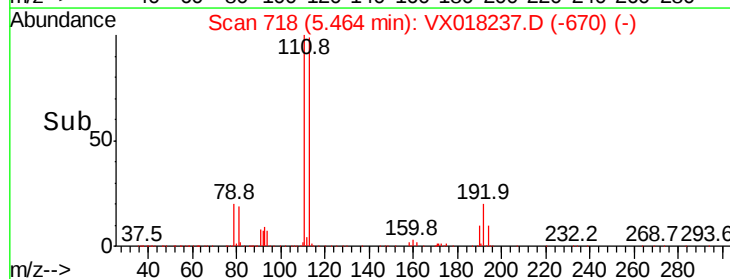
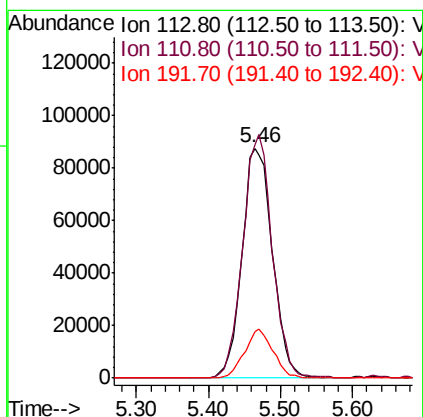
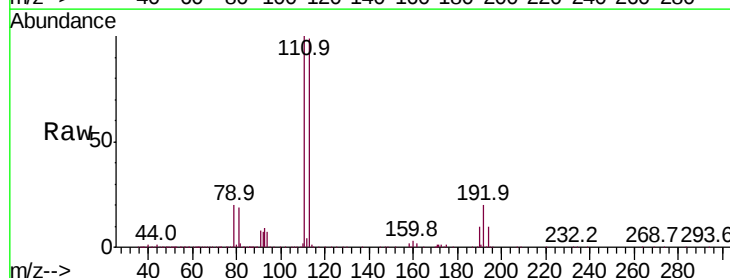
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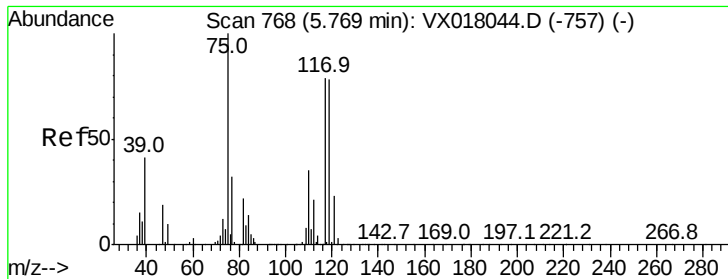
Tot Ion:	114	Resp:	718817
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.6
88	15.4	0.0	31.8



#35
Dibromofluoromethane
Concen: 52.564 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018237.D
Acq: 03 Sep 2020 16:07

Tgt Ion:	113	Resp:	257329
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	20.1	15.8	23.8





#36

1,1-Dichloropropene

Concen: 5.128 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ12311-20200902

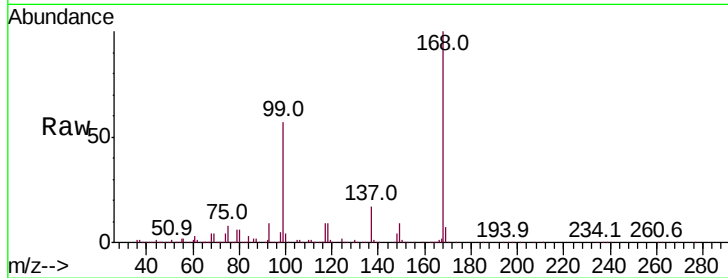
Tot Ion: 75 Resp: 34001

Ion Ratio Lower Upper

75 100

110 10.8 18.0 54.0#

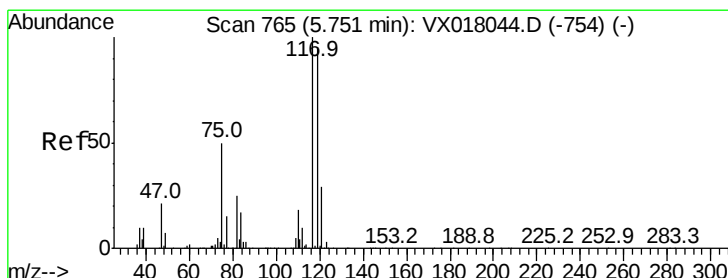
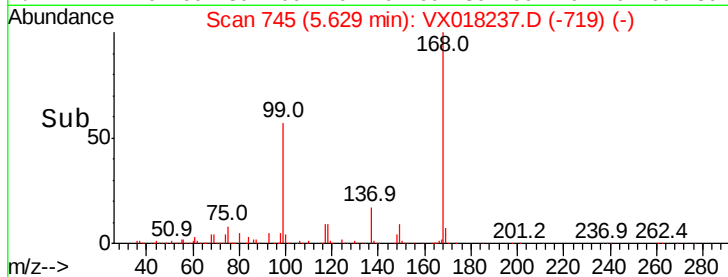
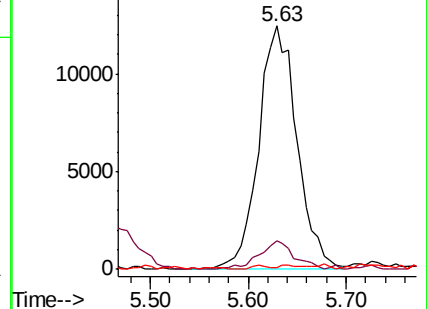
77 0.8 24.4 36.6#



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: 6.218 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

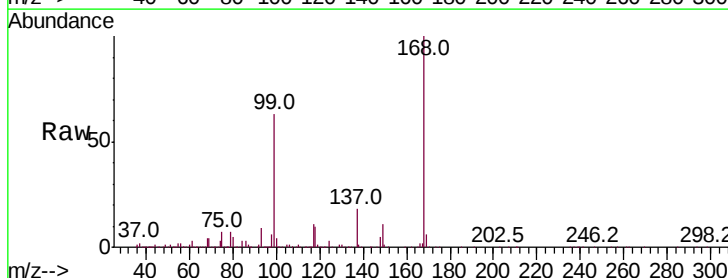
Tgt Ion:117 Resp: 46457

Ion Ratio Lower Upper

117 100

119 8.5 75.8 113.6#

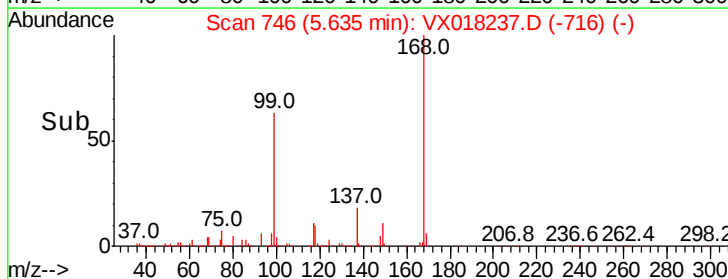
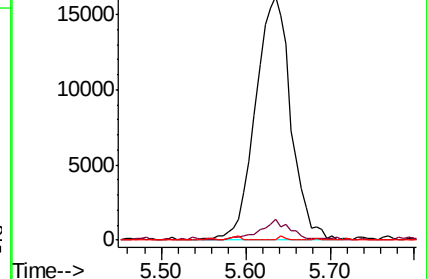
121 0.4 23.4 35.0#

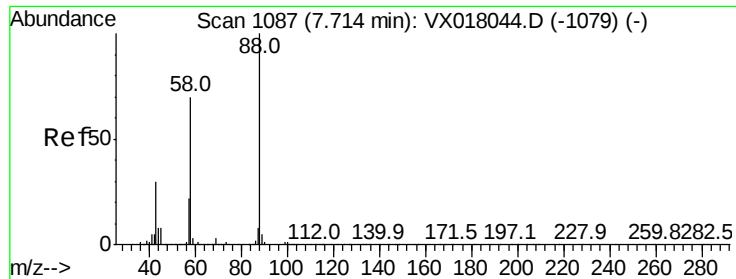


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.259 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ12311-20200902

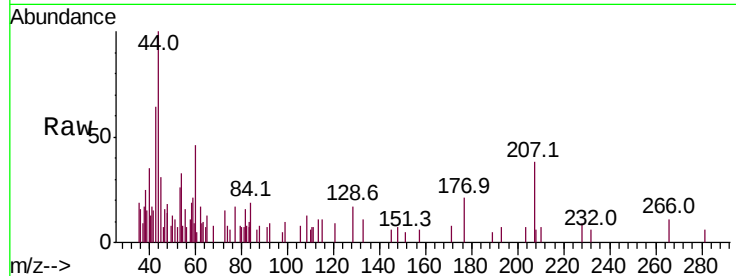
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 2141.4 27.4 41.0#

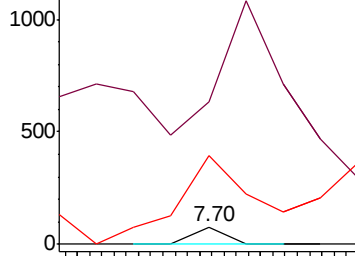
58 1220.7 56.4 84.6#



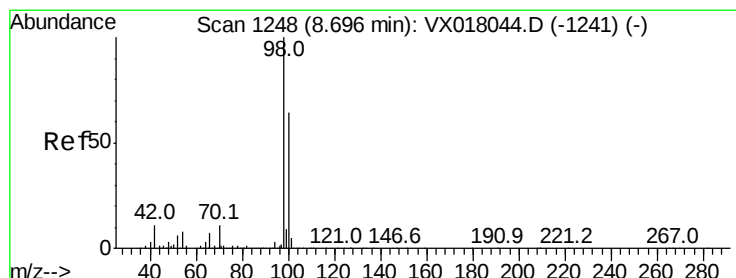
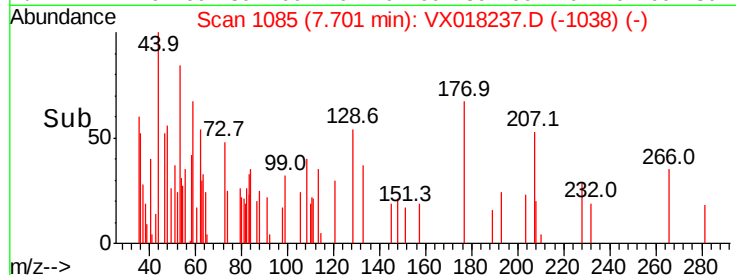
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.866 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018237.D

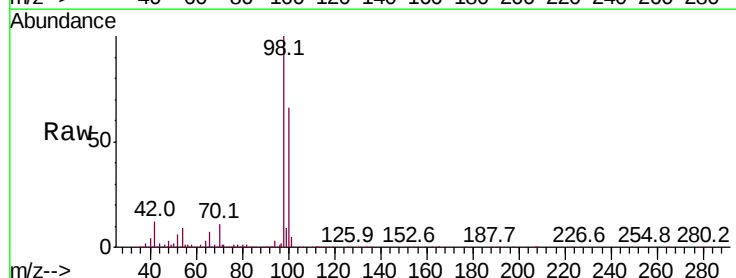
Acq: 03 Sep 2020 16:07

Tgt Ion: 98 Resp: 890995

Ion Ratio Lower Upper

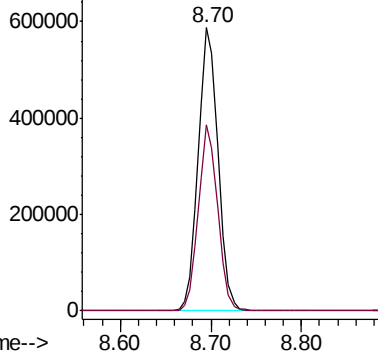
98 100

100 64.1 52.2 78.4

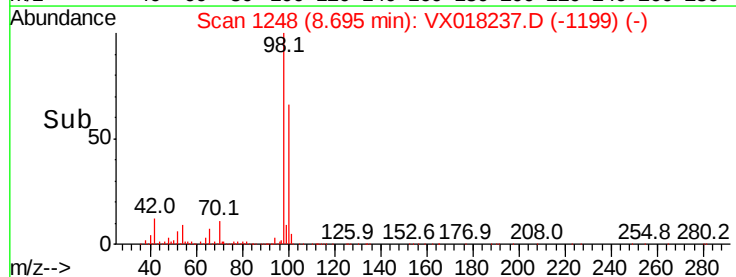


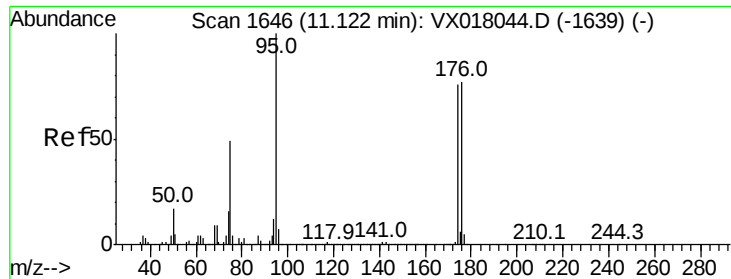
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 45.306 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ12311-20200902

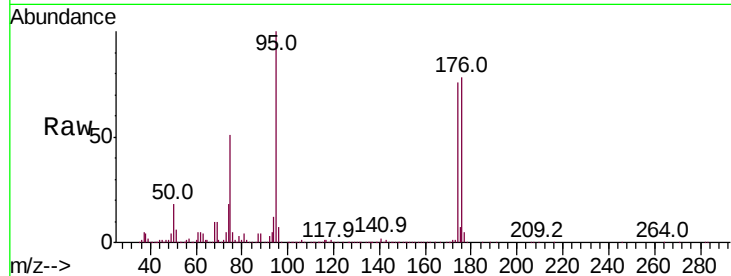
Tot Ion: 95 Resp: 325019

Ion Ratio Lower Upper

95 100

174 81.5 0.0 160.2

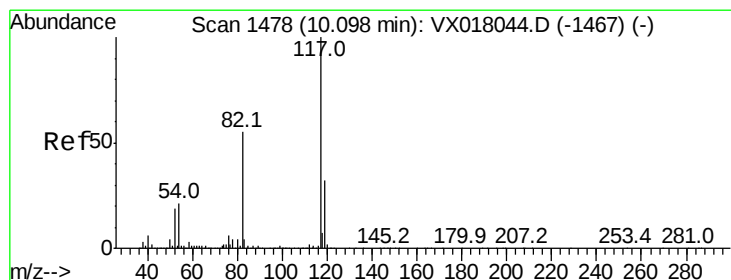
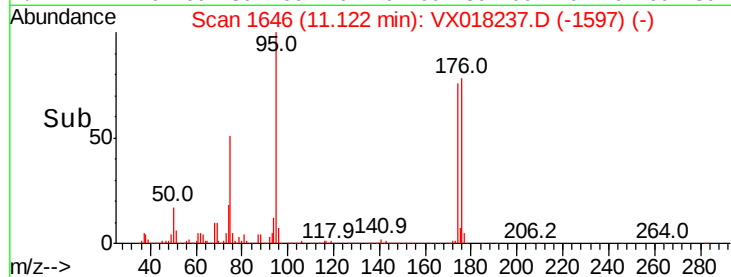
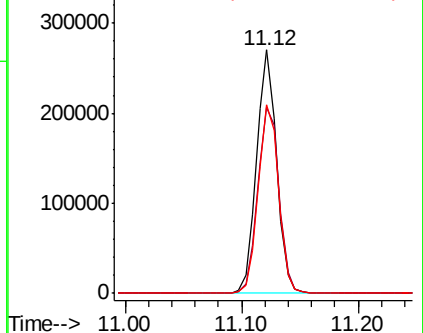
176 79.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

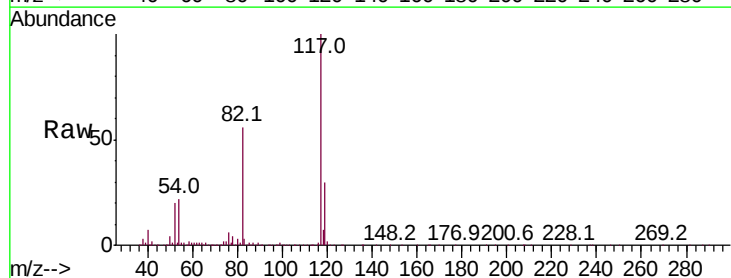
Tgt Ion: 117 Resp: 692696

Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.2

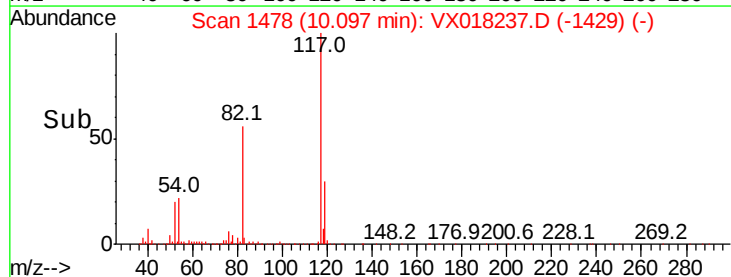
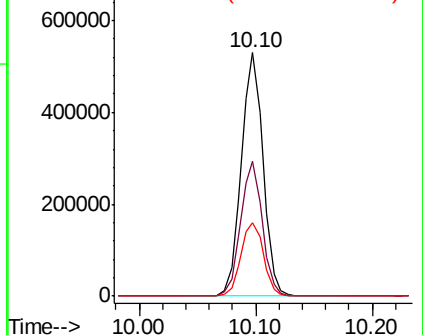
119 30.2 25.7 38.5

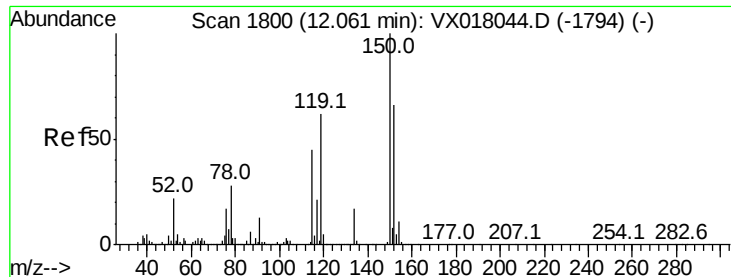


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ12311-20200902

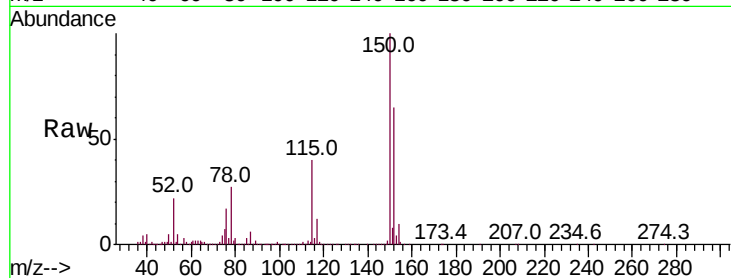
Tot Ion:152 Resp: 343070

Ion Ratio Lower Upper

152 100

115 60.9 41.5 124.5

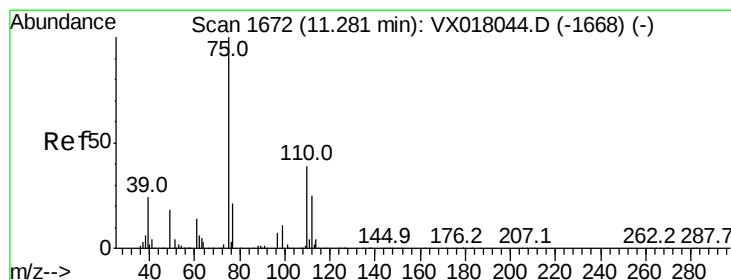
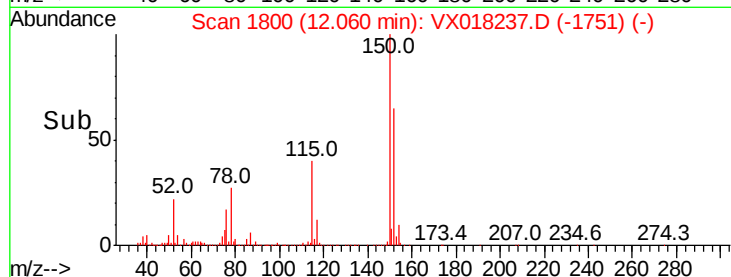
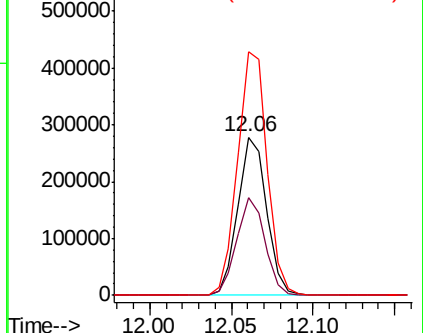
150 157.5 0.0 343.8



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: 22.201 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018237.D

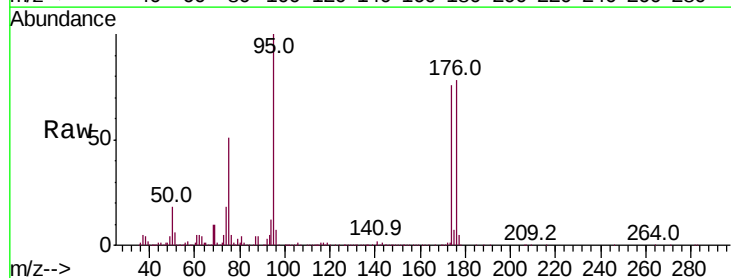
Acq: 03 Sep 2020 16:07

Tgt Ion: 75 Resp: 169430

Ion Ratio Lower Upper

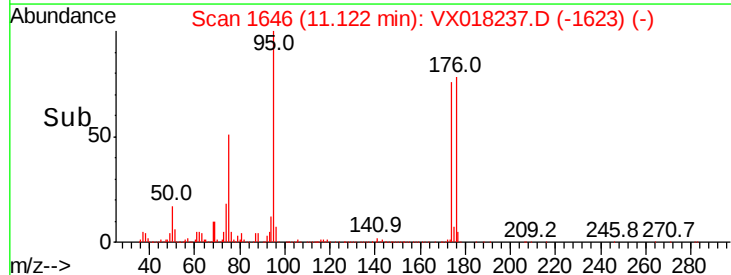
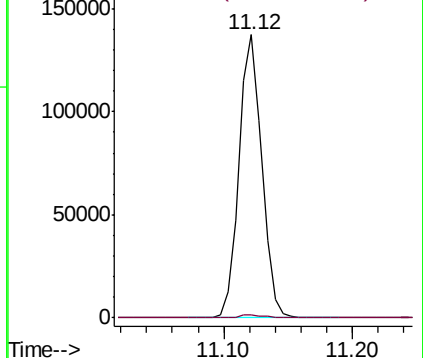
75 100

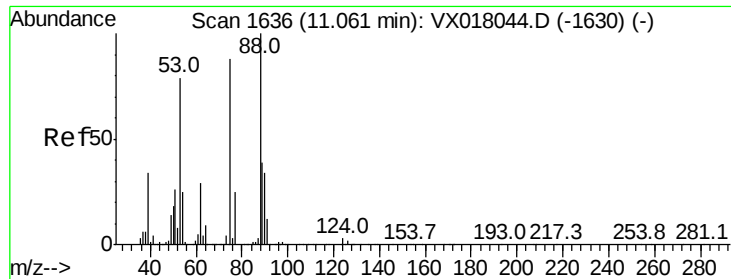
77 1.3 20.8 62.2#



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: 59.961 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

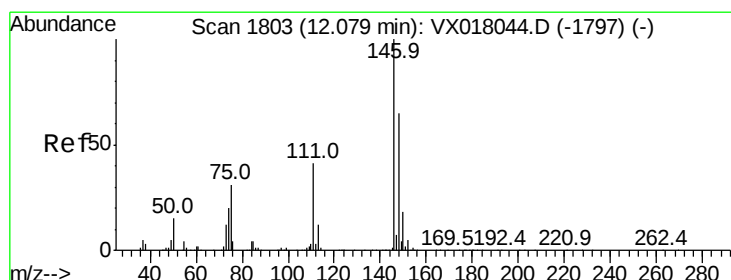
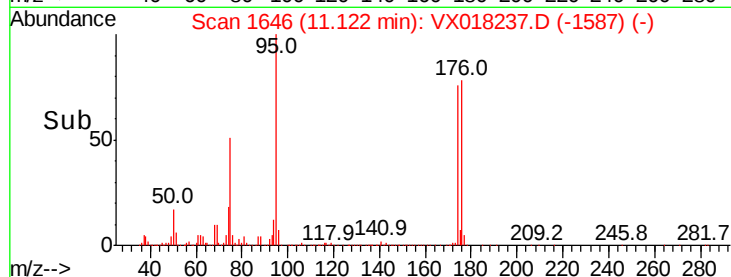
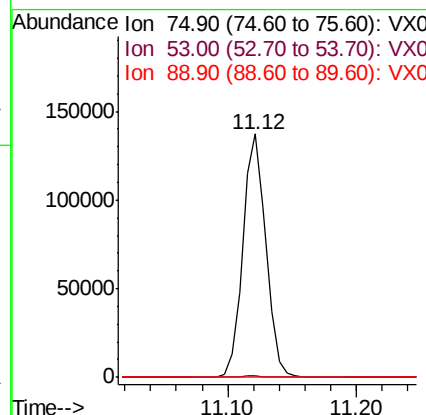
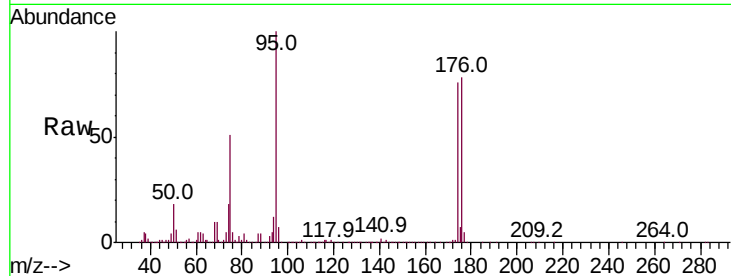
Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ12311-20200902

Tot Ion: 75 Resp: 169430

Ion	Ratio	Lower	Upper
75	100		
53	0.5	74.7	112.1#
89	0.0	36.6	54.8#



#88

1,4-Dichlorobenzene

Concen: 0.297 ug/l

RT: 12.08 min Scan# 1804

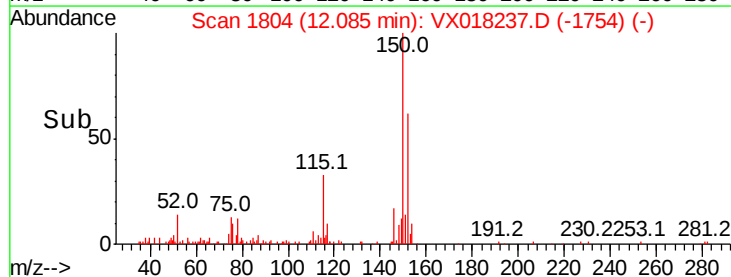
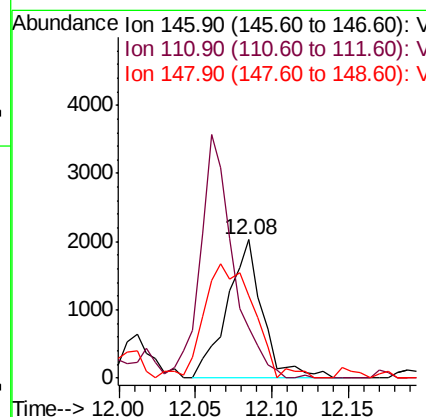
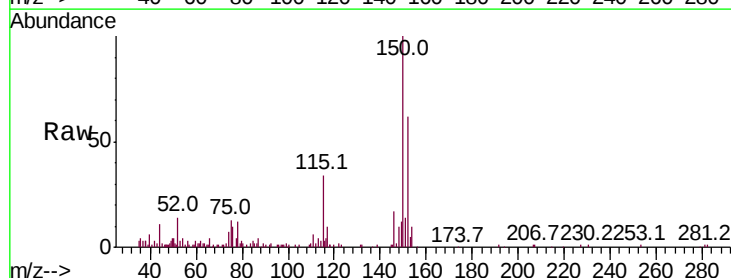
Delta R.T. 0.01 min

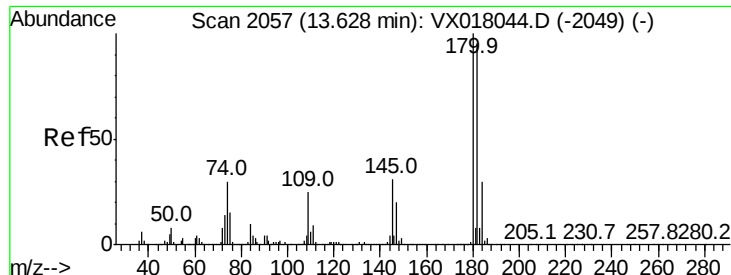
Lab File: VX018237.D

Acq: 03 Sep 2020 16:07

Tgt Ion: 146 Resp: 3264

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.8#
148	0.0	33.1	99.2#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018237.D
 Acq: 03 Sep 2020 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ12311-20200902

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	47.5	142.6
145	49.1	15.7	47.1#

