

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018242.D
 Acq On : 03 Sep 2020 18:01
 Operator : JC/SP
 Sample : L3903-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:22:47 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	5.64	168	434224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	708975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	676218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	320991	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	320666	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	5.46	113	244672	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	8.70	98	853702	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.12	95	315065	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	

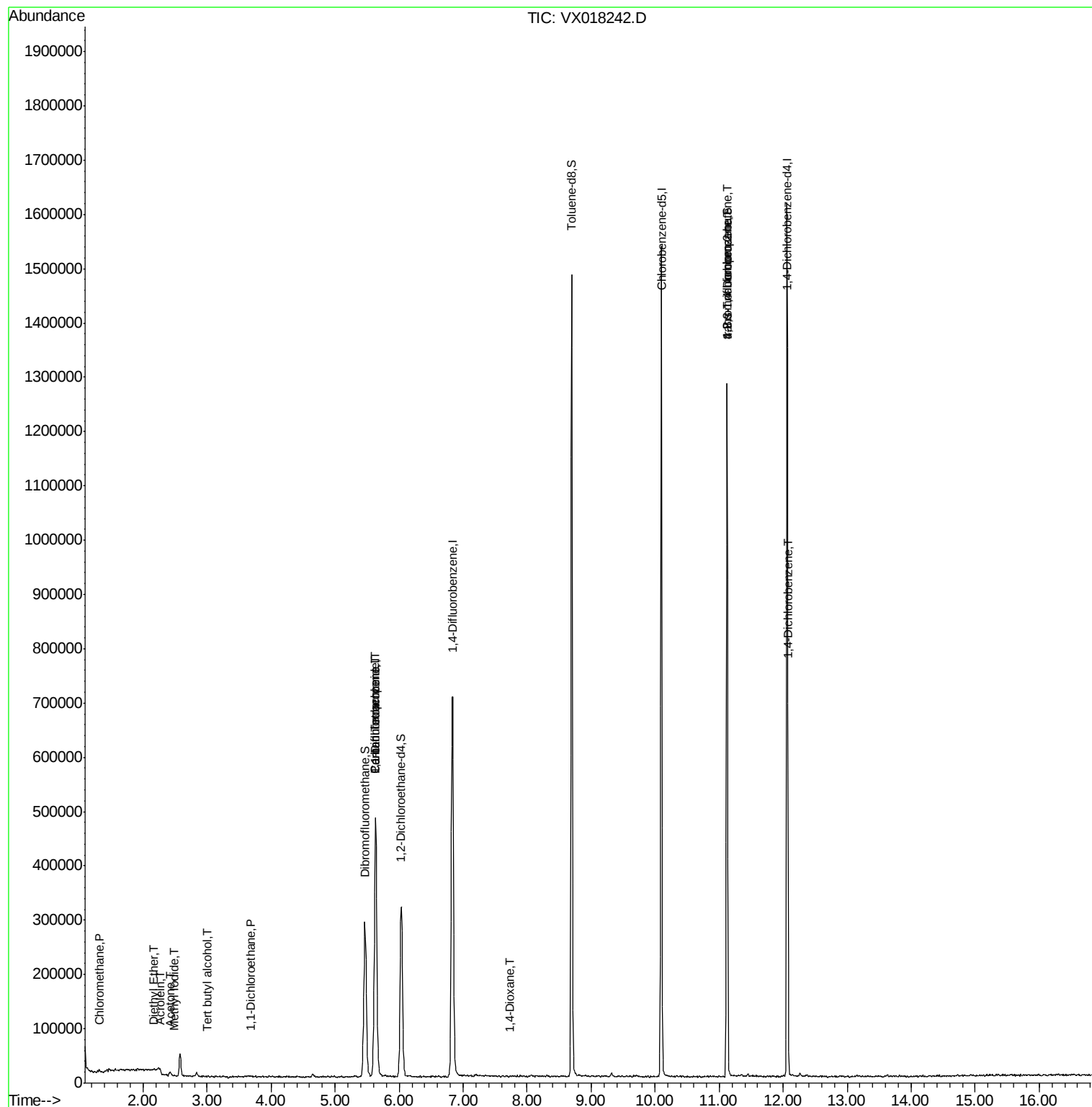
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5415	0.972	ug/l	94
8) Diethyl Ether	2.16	74	578	0.225	ug/l	92
10) Methyl Iodide	2.49	142	87	5.304	ug/l #	1
11) Tert butyl alcohol	3.00	59	670	0.572	ug/l #	71
13) Acrolein	2.28	56	579	1.191	ug/l #	52
16) Acetone	2.42	43	8473	3.607	ug/l #	88
20) Methylene Chloride	2.83	84	3855	Below Cal	#	58
24) 1,1-Dichloroethane	3.67	63	3273	0.382	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	34301	5.245	ug/l #	52
38) Carbon Tetrachloride	5.64	117	46502	6.310	ug/l #	18
49) 1,4-Dioxane	7.71	88	123	1.112	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	164247	23.002	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164247	62.124	ug/l #	12
88) 1,4-Dichlorobenzene	12.08	146	2559	0.249	ug/l #	1

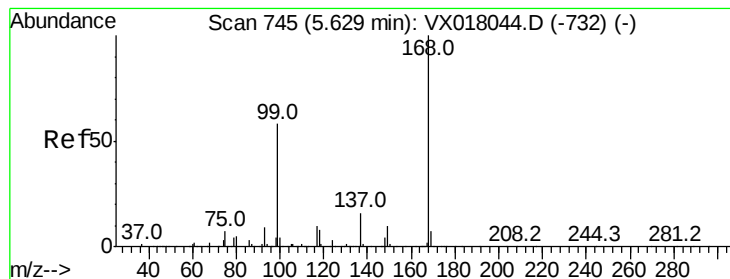
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

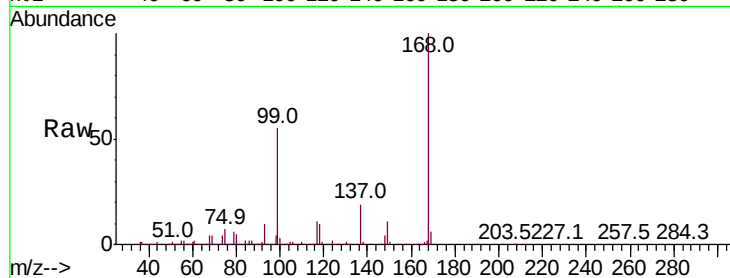
ClientSampleId :

Tot Ion:168 Resp: 434224

Ion Ratio Lower Upper

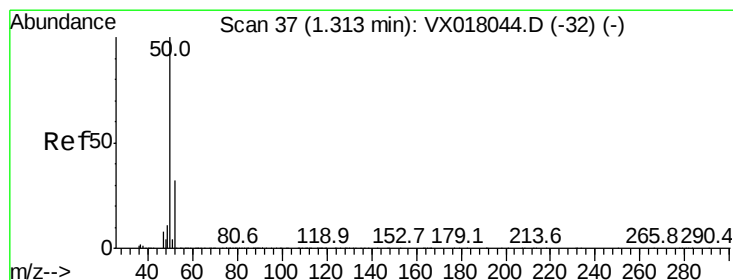
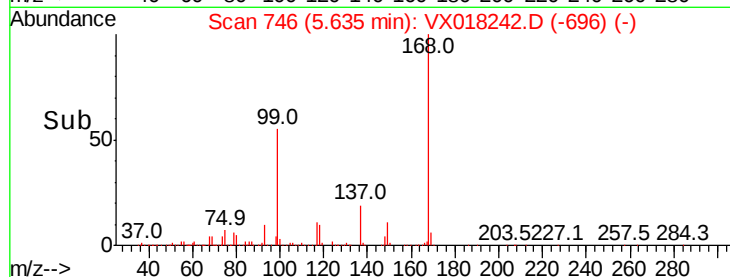
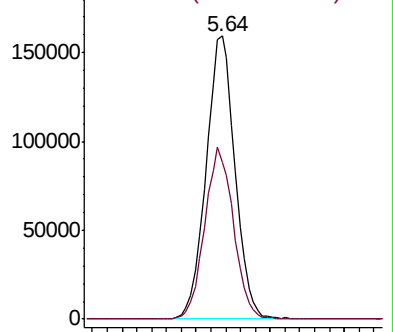
168 100

99 55.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.972 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018242.D

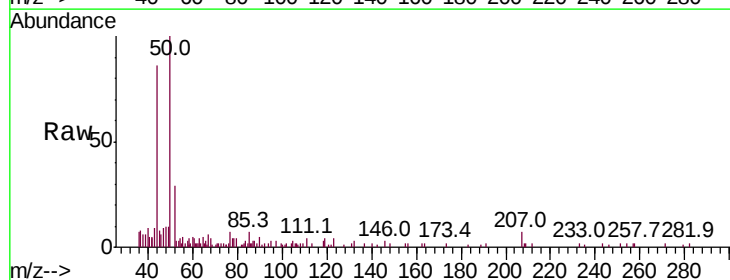
Acq: 03 Sep 2020 18:01

Tgt Ion: 50 Resp: 5415

Ion Ratio Lower Upper

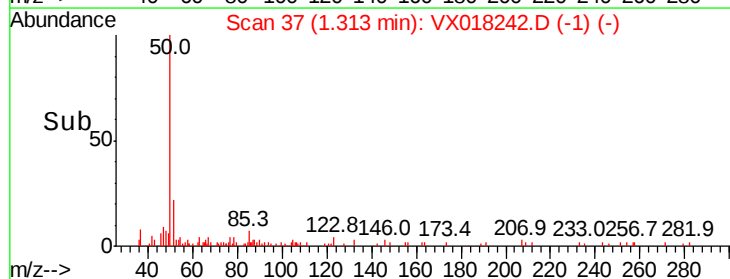
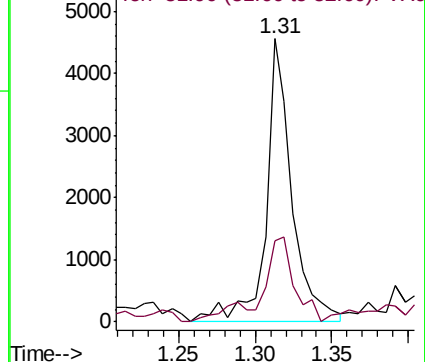
50 100

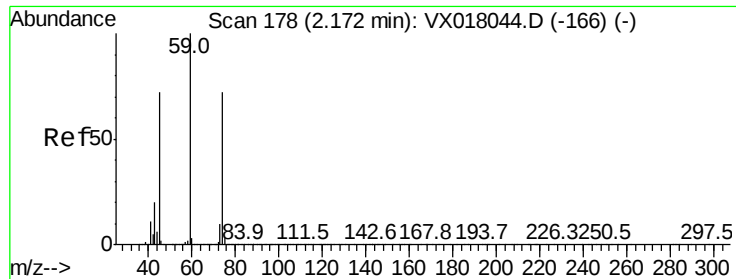
52 28.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.225 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

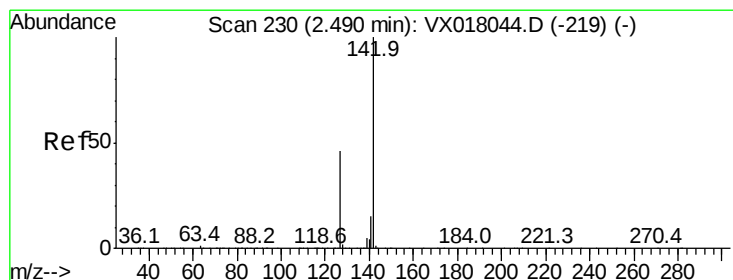
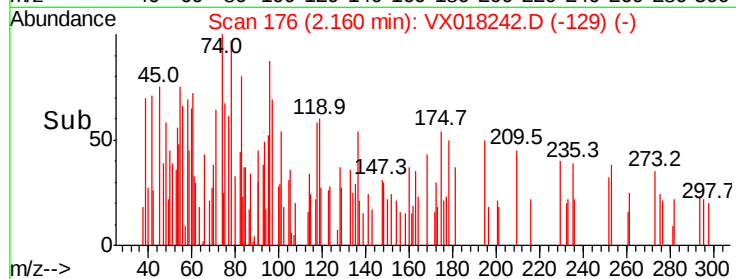
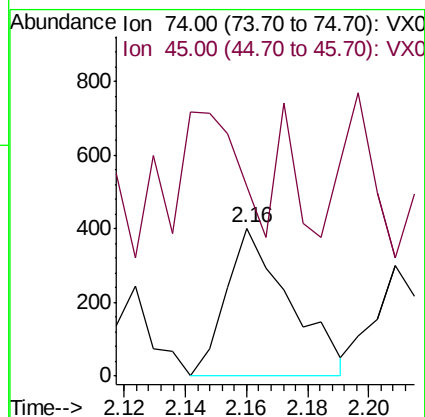
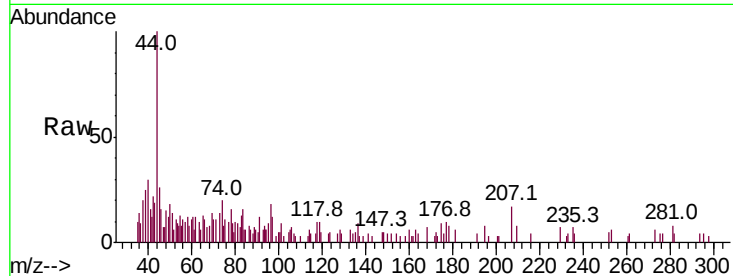
ClientSampled :

Tot Ion: 74 Resp: 578

Ion Ratio Lower Upper

74 100

45 109.2 50.7 152.3



#10

Methyl Iodide

Concen: 5.304 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

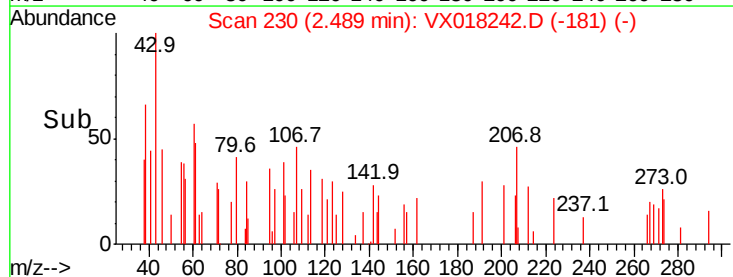
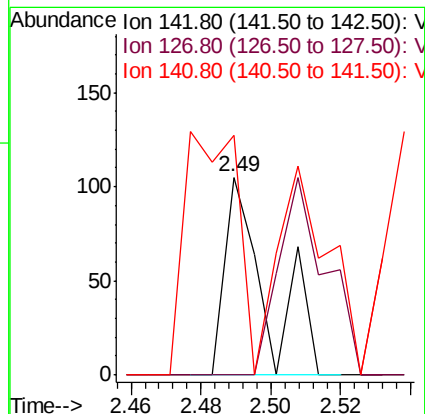
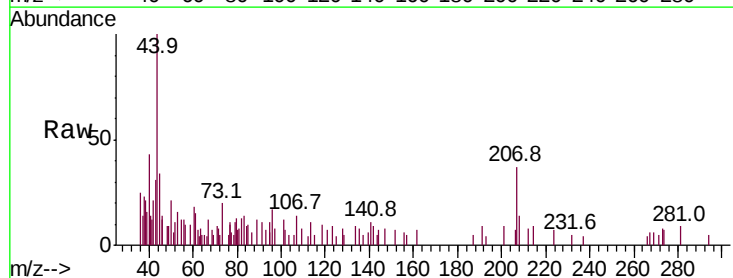
Tgt Ion: 142 Resp: 87

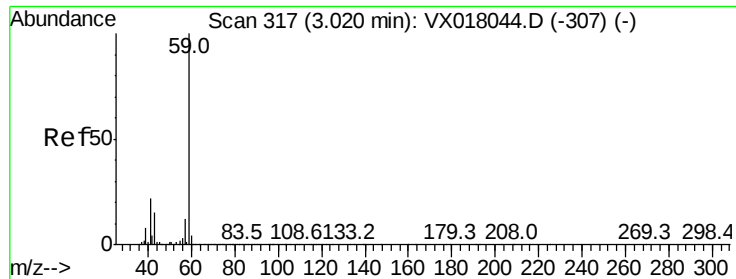
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 155.2 11.5 17.3#



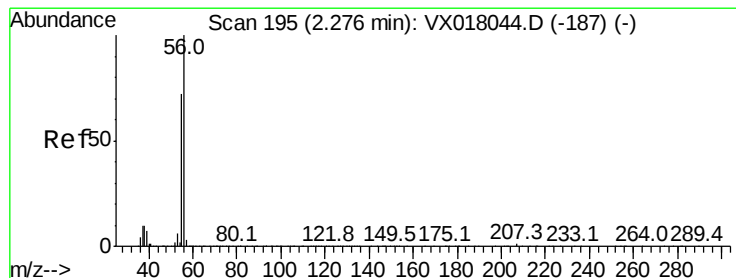
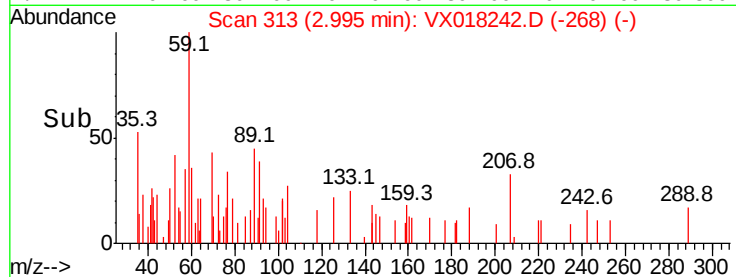
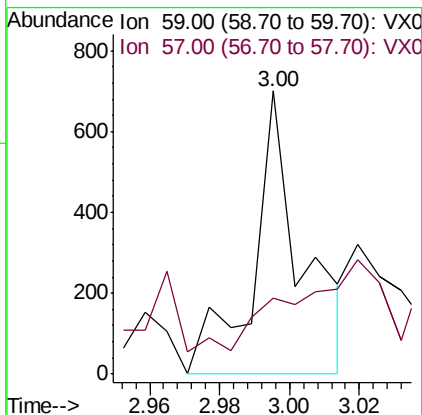
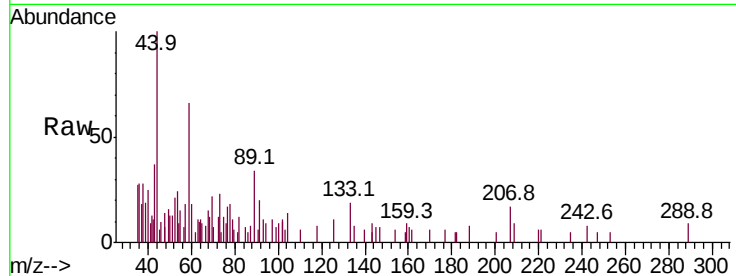


#11

Tert butyl alcohol
 Concen: 0.572 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX018242.D
 Acq: 03 Sep 2020 18:01

Instrument :
 MSVOA_X
 ClientSampleId :

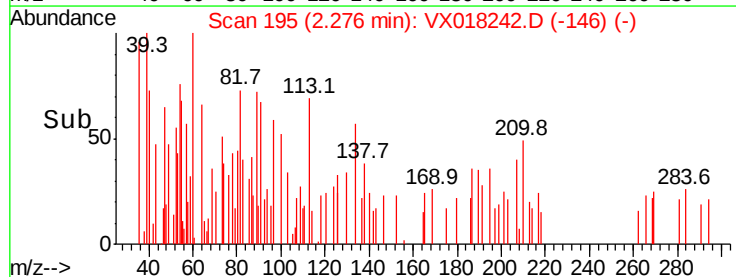
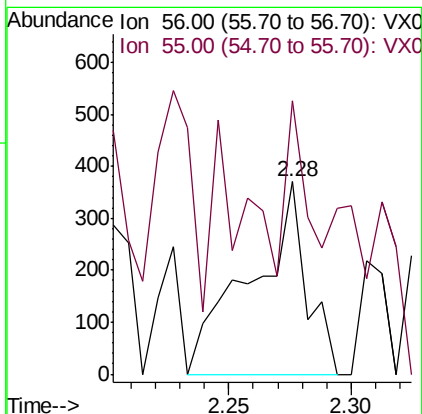
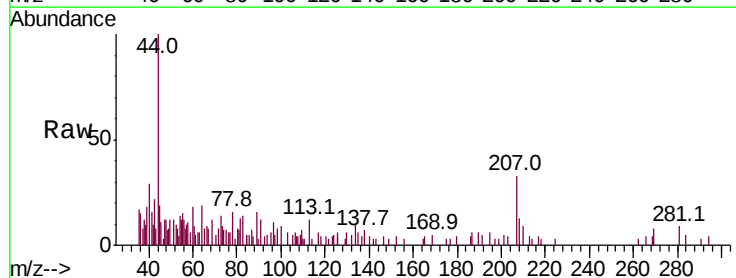
Tot Ion: 59 Resp: 670
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

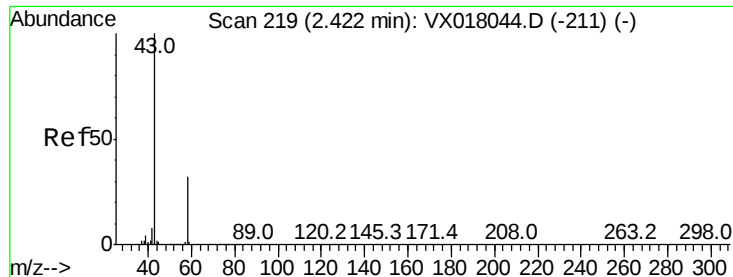


#13

Acrolein
 Concen: 1.191 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX018242.D
 Acq: 03 Sep 2020 18:01

Tgt Ion: 56 Resp: 579
 Ion Ratio Lower Upper
 56 100
 55 31.8 57.0 85.6#

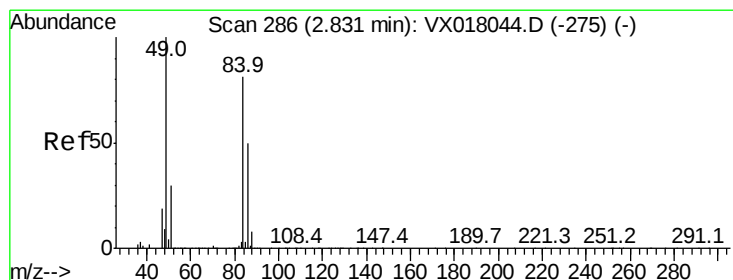
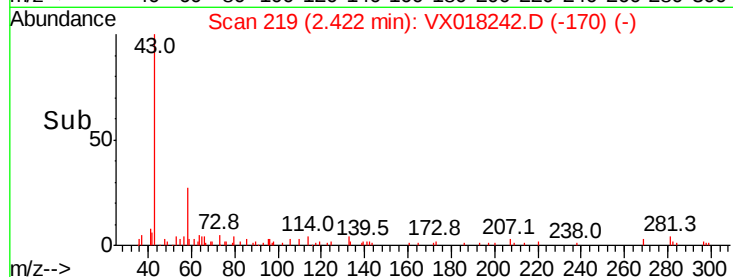
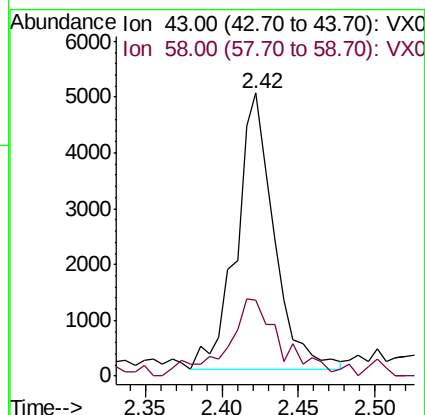
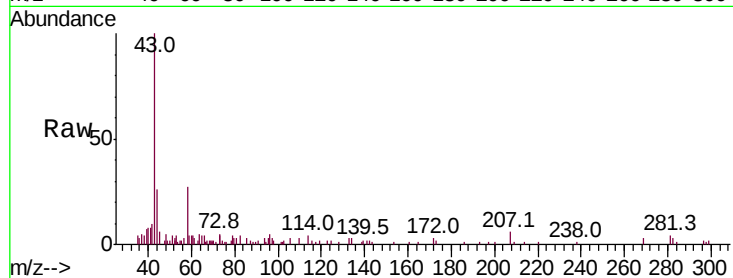




#16
Acetone
Concen: 3.607 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018242.D
Acq: 03 Sep 2020 18:01

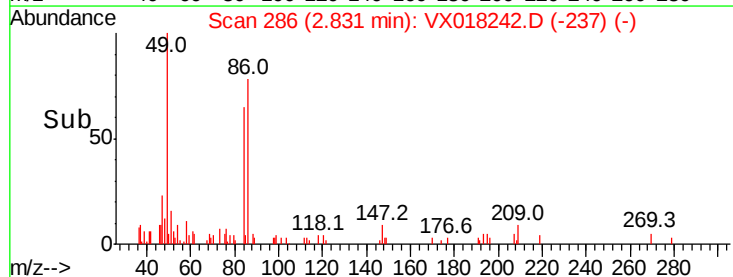
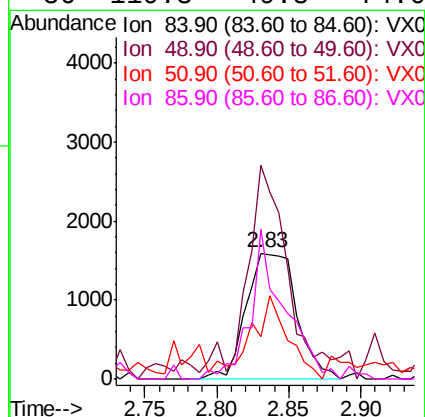
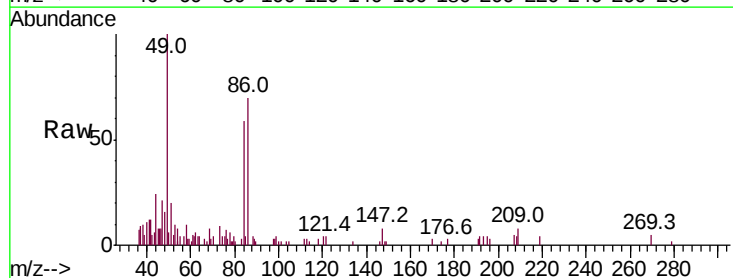
Instrument :
MSVOA_X
ClientSampleId :

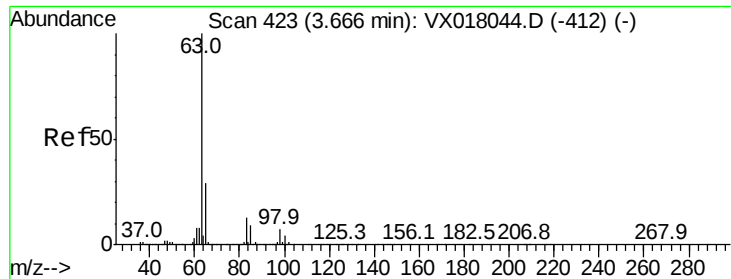
Tot Ion: 43 Resp: 8473
Ion Ratio Lower Upper
43 100
58 25.2 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018242.D
Acq: 03 Sep 2020 18:01

Tgt Ion: 84 Resp: 3855
Ion Ratio Lower Upper
84 100
49 158.2 98.6 148.0#
51 20.5 29.6 44.4#
86 119.3 49.8 74.6#





#24

1,1-Dichloroethane

Concen: 0.382 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :
MSVOA_X
ClientSampleId :

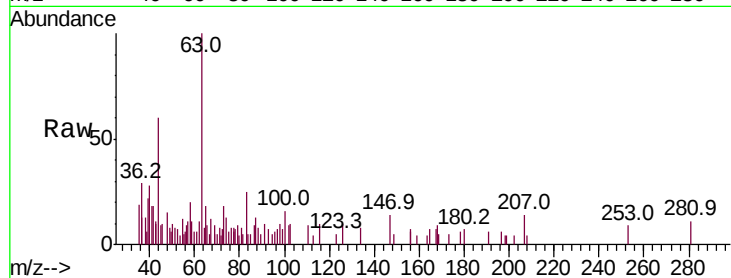
Tot Ion: 63 Resp: 3273

Ion Ratio Lower Upper

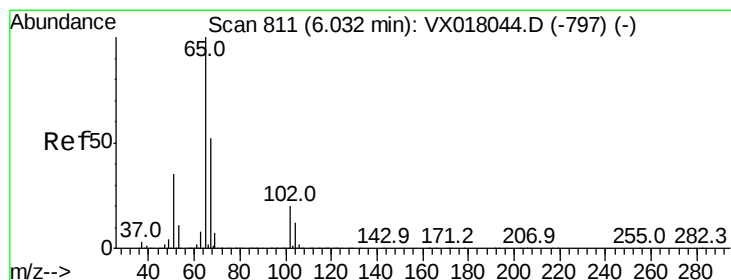
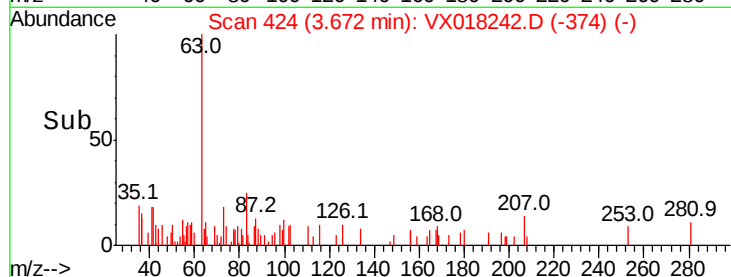
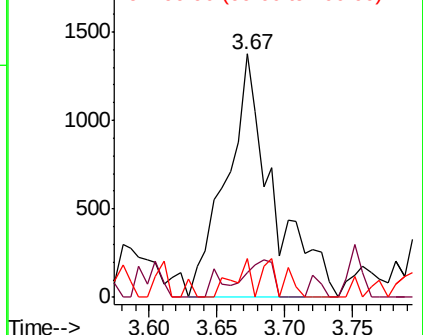
63 100

98 10.8 3.6 10.8#

100 16.8 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



#33

1,2-Dichloroethane-d4

Concen: 53.195 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018242.D

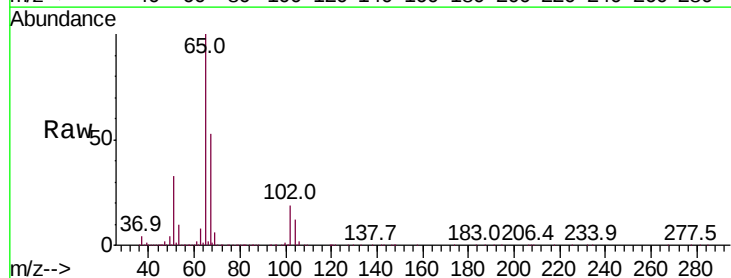
Acq: 03 Sep 2020 18:01

Tgt Ion: 65 Resp: 320666

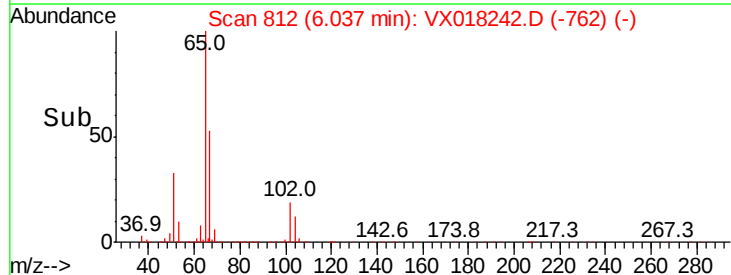
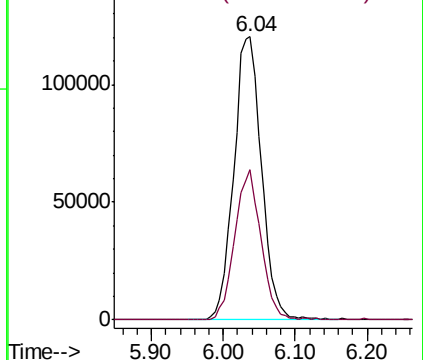
Ion Ratio Lower Upper

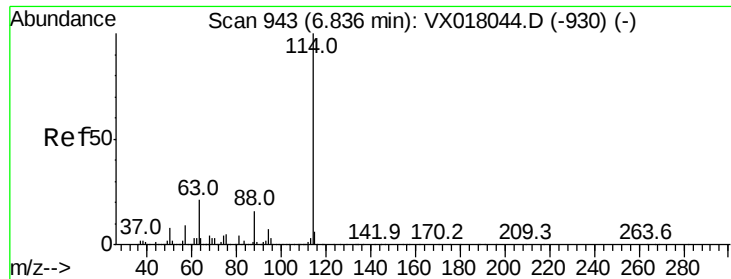
65 100

67 50.1 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: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

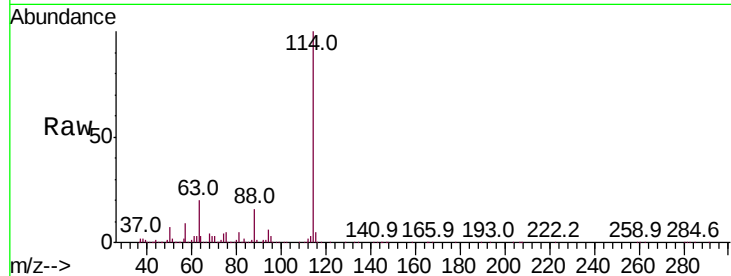
Tot Ion:114 Resp: 708975

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

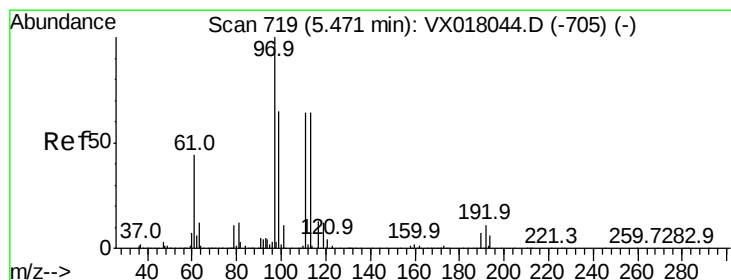
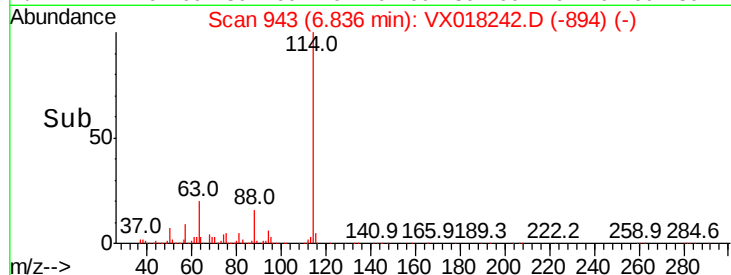
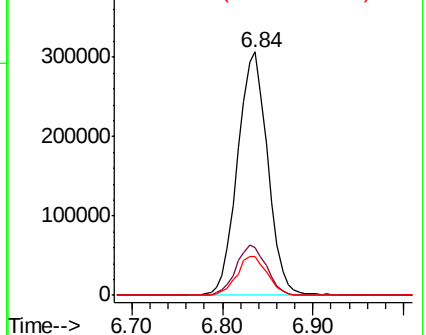
88 15.9 0.0 31.8



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: 50.673 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

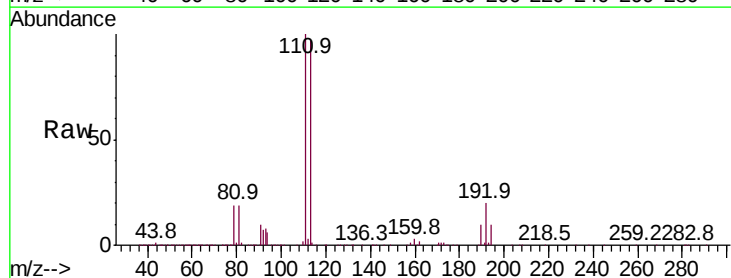
Tgt Ion:113 Resp: 244672

Ion Ratio Lower Upper

113 100

111 104.2 81.6 122.4

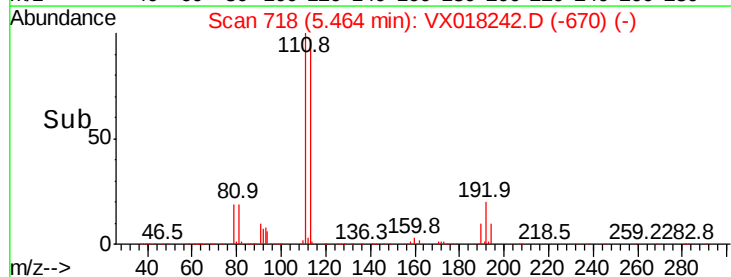
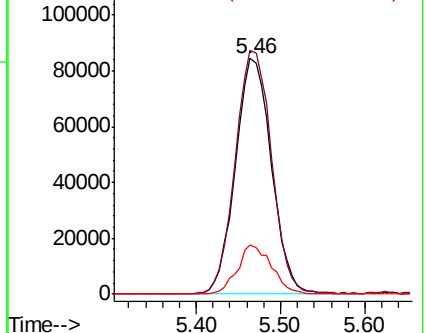
192 19.8 15.8 23.8

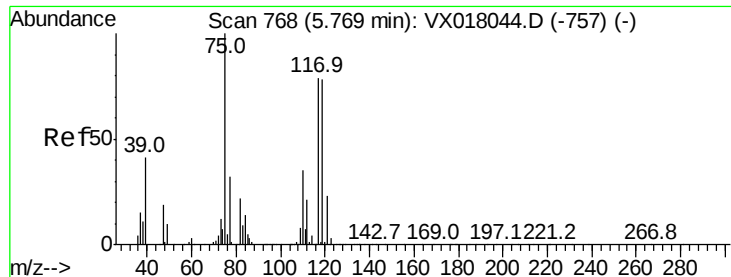


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

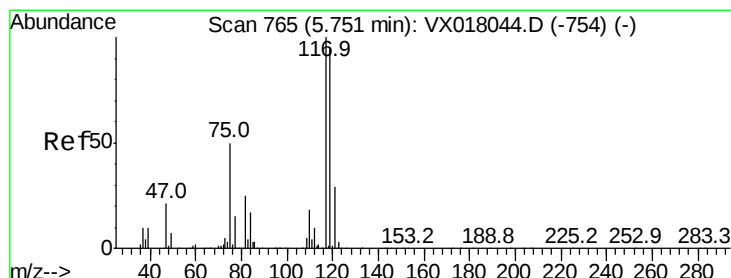
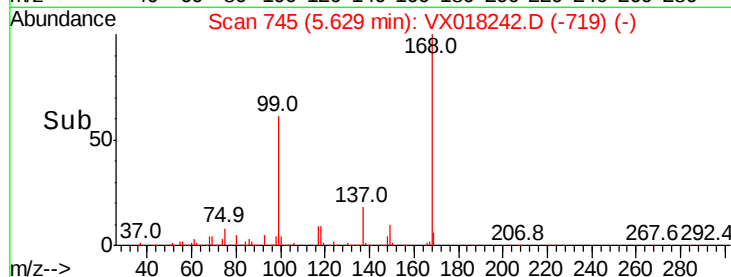
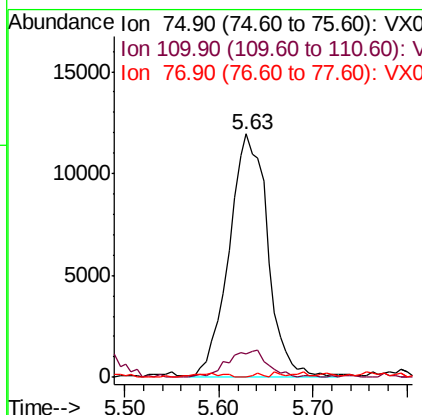
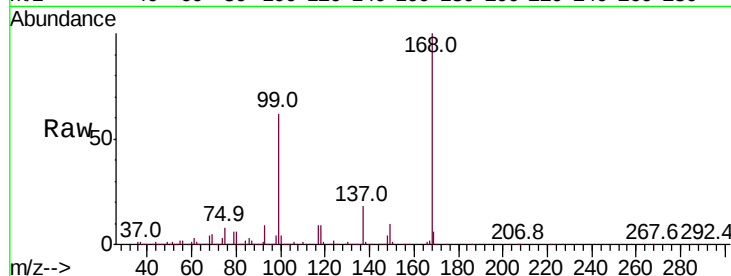




#36
 1,1-Dichloropropene
 Concen: 5.245 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018242.D
 Acq: 03 Sep 2020 18:01

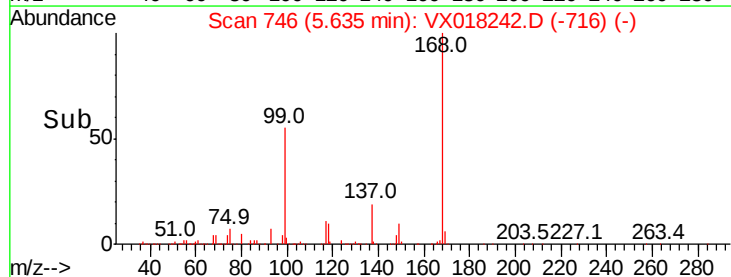
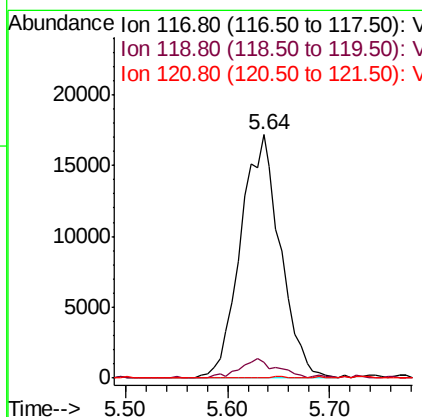
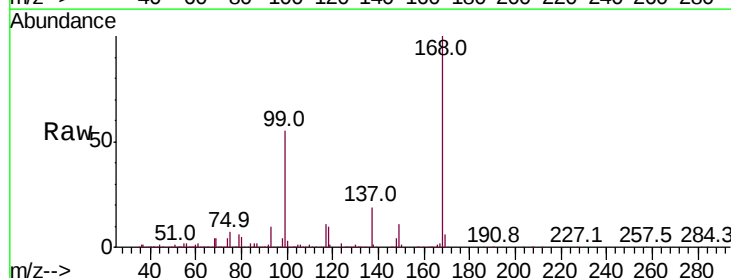
Instrument :
 MSVOA_X
 ClientSampleId :

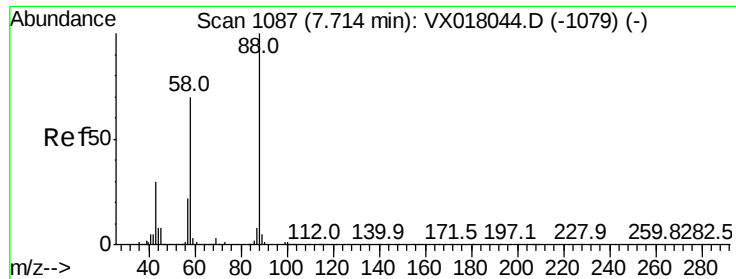
Tot Ion: 75 Resp: 34301
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.0 54.0#
 77 0.4 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.310 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018242.D
 Acq: 03 Sep 2020 18:01

Tgt Ion: 117 Resp: 46502
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.8 113.6#
 121 0.0 23.4 35.0#

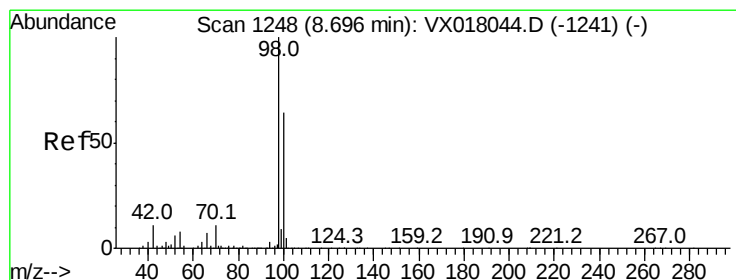
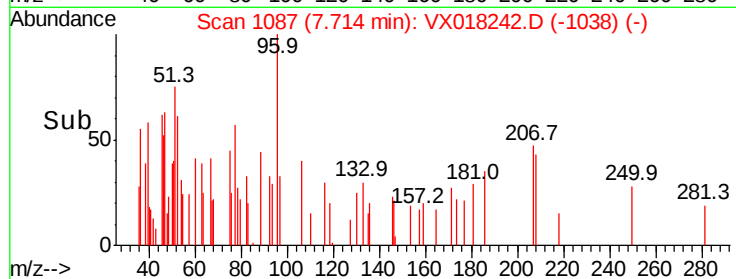
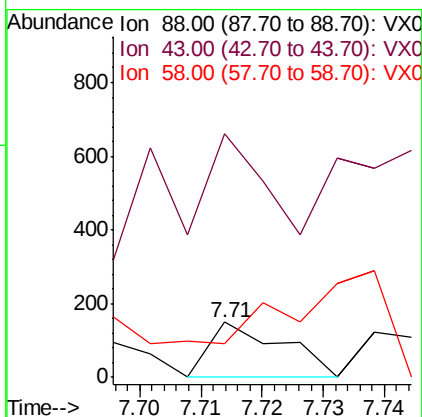
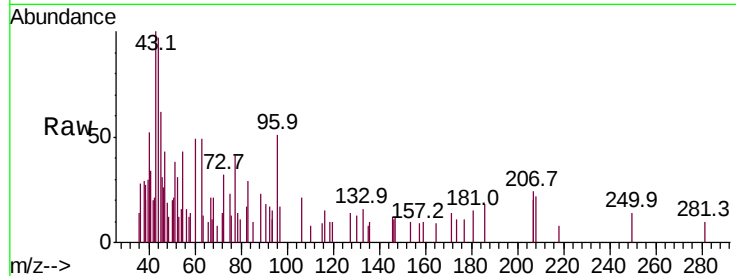




#49
1,4-Dioxane
Concen: 1.112 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018242.D
Acq: 03 Sep 2020 18:01

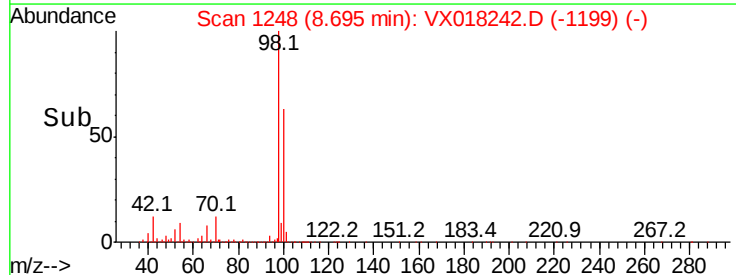
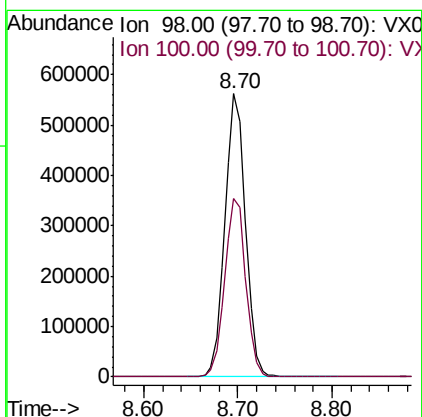
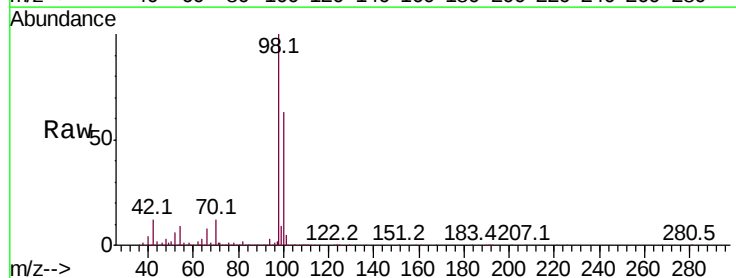
Instrument :
MSVOA_X
ClientSampled :

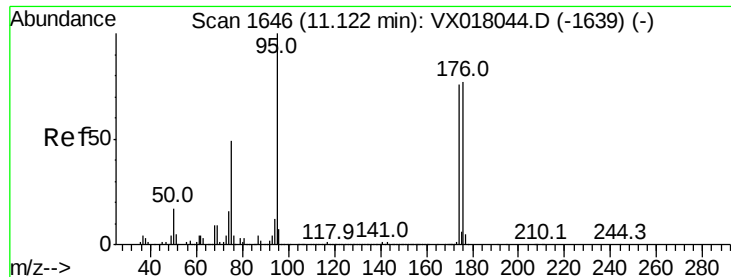
Tot Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 298.4 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 47.470 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018242.D
Acq: 03 Sep 2020 18:01

Tgt Ion: 98 Resp: 853702
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.528 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

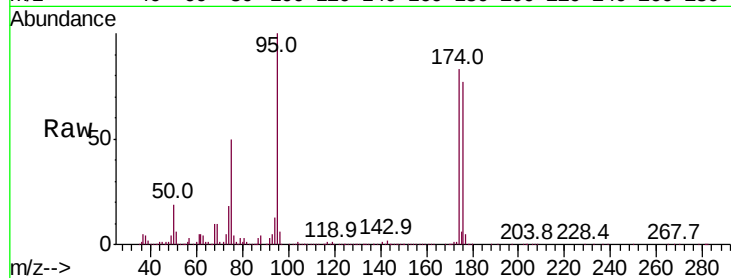
Tot Ion: 95 Resp: 315065

Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.2

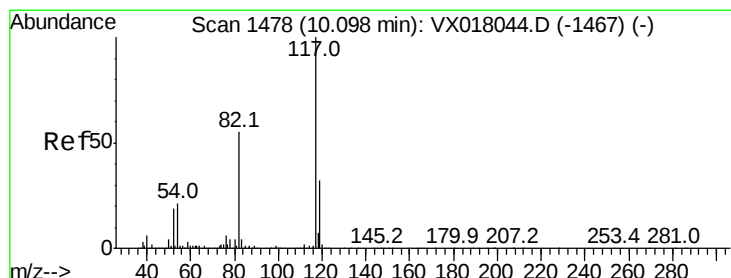
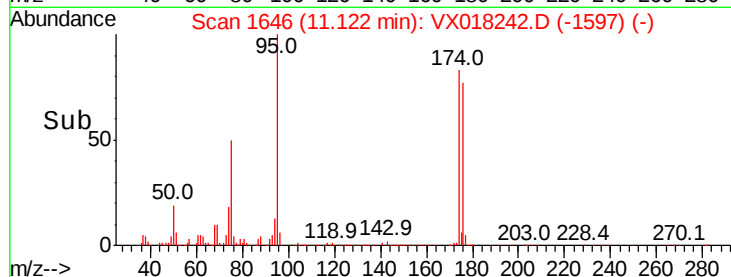
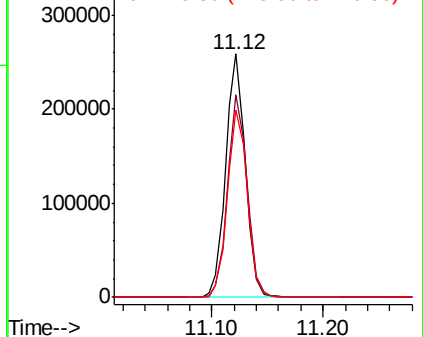
176 77.6 0.0 155.8



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: VX018242.D

Acq: 03 Sep 2020 18:01

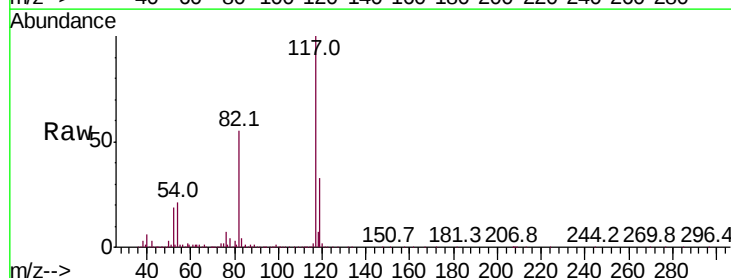
Tgt Ion: 117 Resp: 676218

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

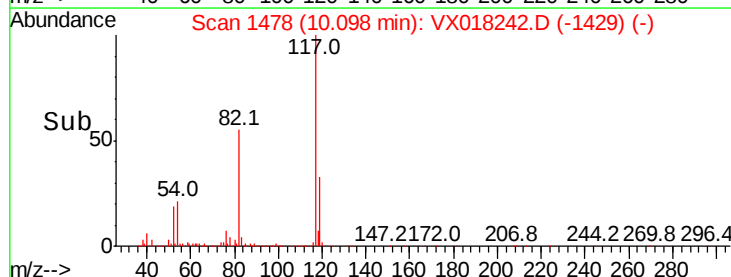
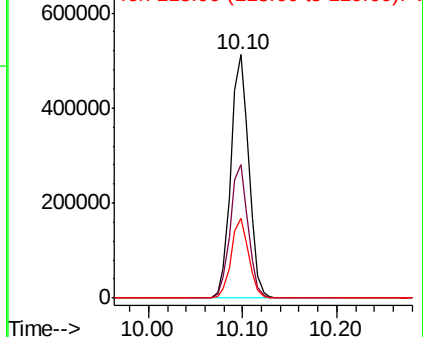
119 32.5 25.7 38.5

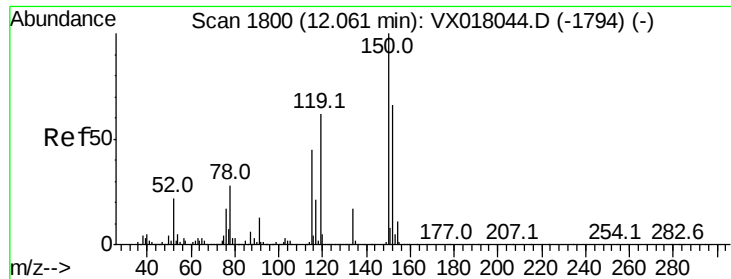


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

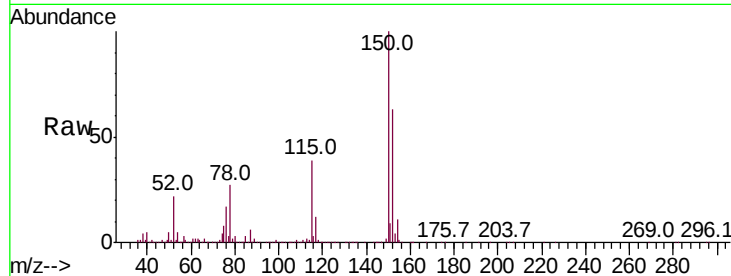
Tot Ion:152 Resp: 320991

Ion Ratio Lower Upper

152 100

115 60.0 41.5 124.5

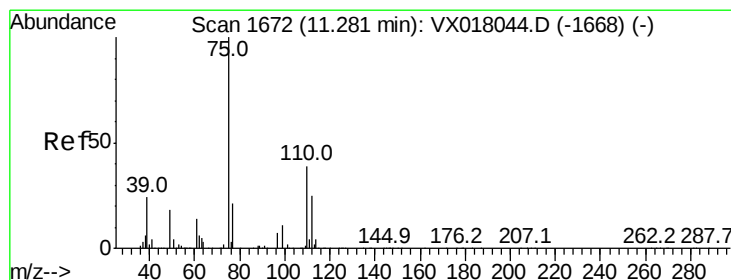
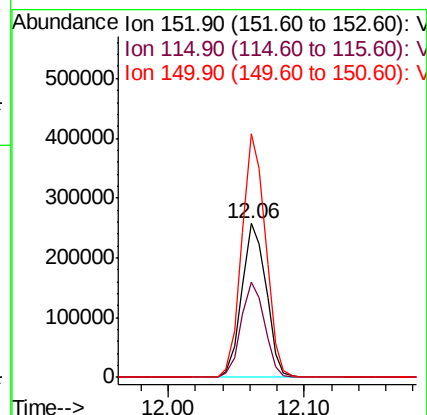
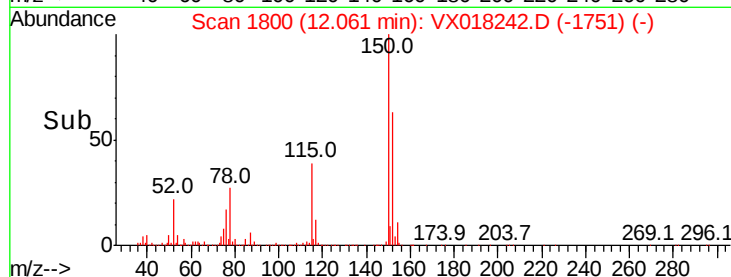
150 154.4 0.0 343.8



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: 23.002 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018242.D

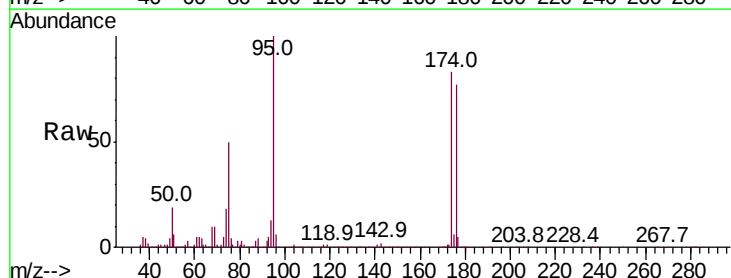
Acq: 03 Sep 2020 18:01

Tgt Ion: 75 Resp: 164247

Ion Ratio Lower Upper

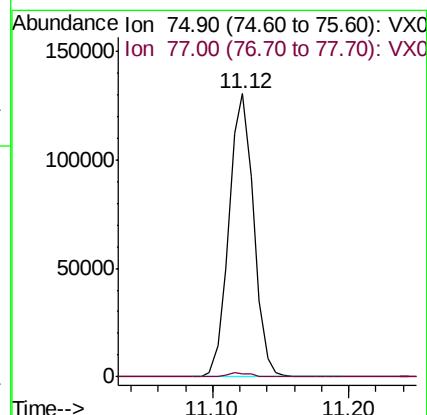
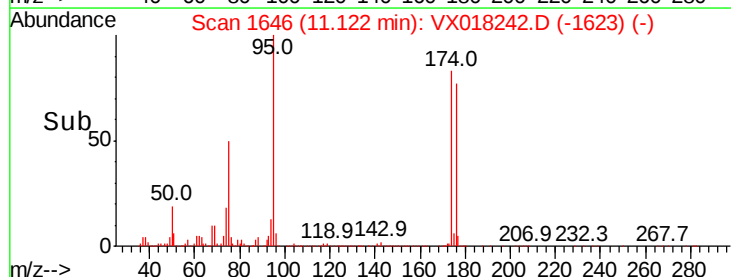
75 100

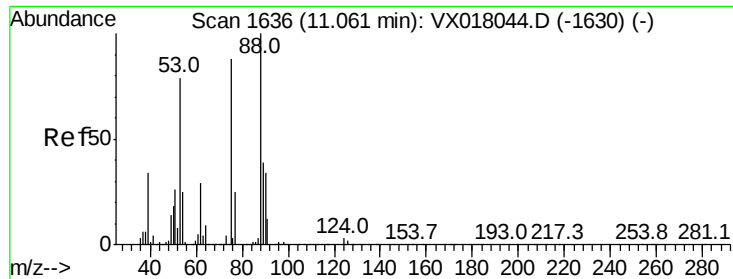
77 1.5 20.8 62.2#



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: 62.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

Instrument :

MSVOA_X

ClientSampleId :

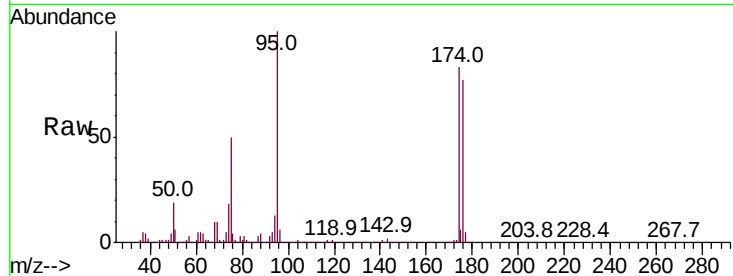
Tot Ion: 75 Resp: 164247

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

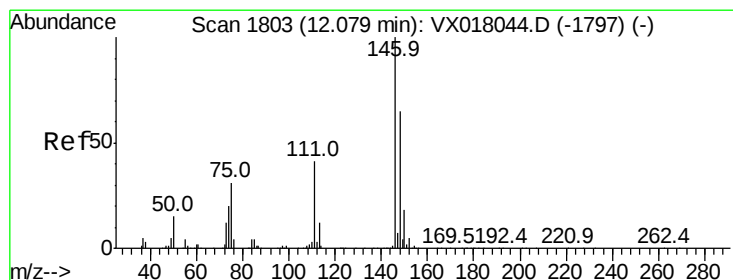
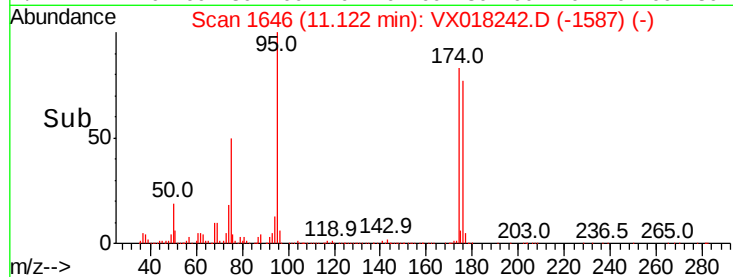
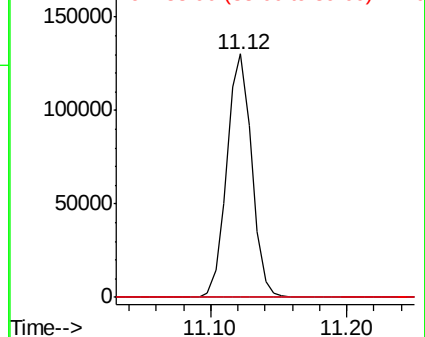
89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#88

1,4-Dichlorobenzene

Concen: 0.249 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018242.D

Acq: 03 Sep 2020 18:01

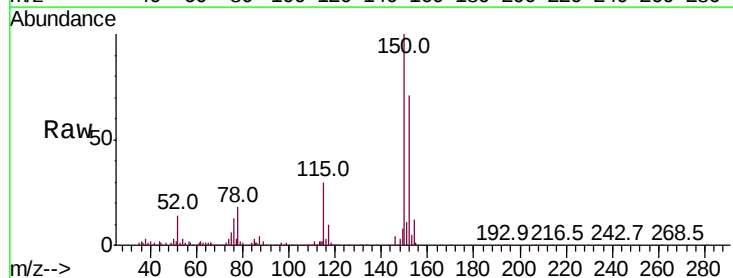
Tgt Ion: 146 Resp: 2559

Ion Ratio Lower Upper

146 100

111 215.6 20.3 60.8#

148 96.5 33.1 99.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

