

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018150.D
 Acq On : 31 Aug 2020 16:16
 Operator : JC/SP
 Sample : L3831-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 INTERCEPTOR-20200827

Quant Time: Sep 01 05:32:00 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	501771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	824906	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	763778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	375282	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	353736	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.47	113	281953	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	8.70	98	998904	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.12	95	371171	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

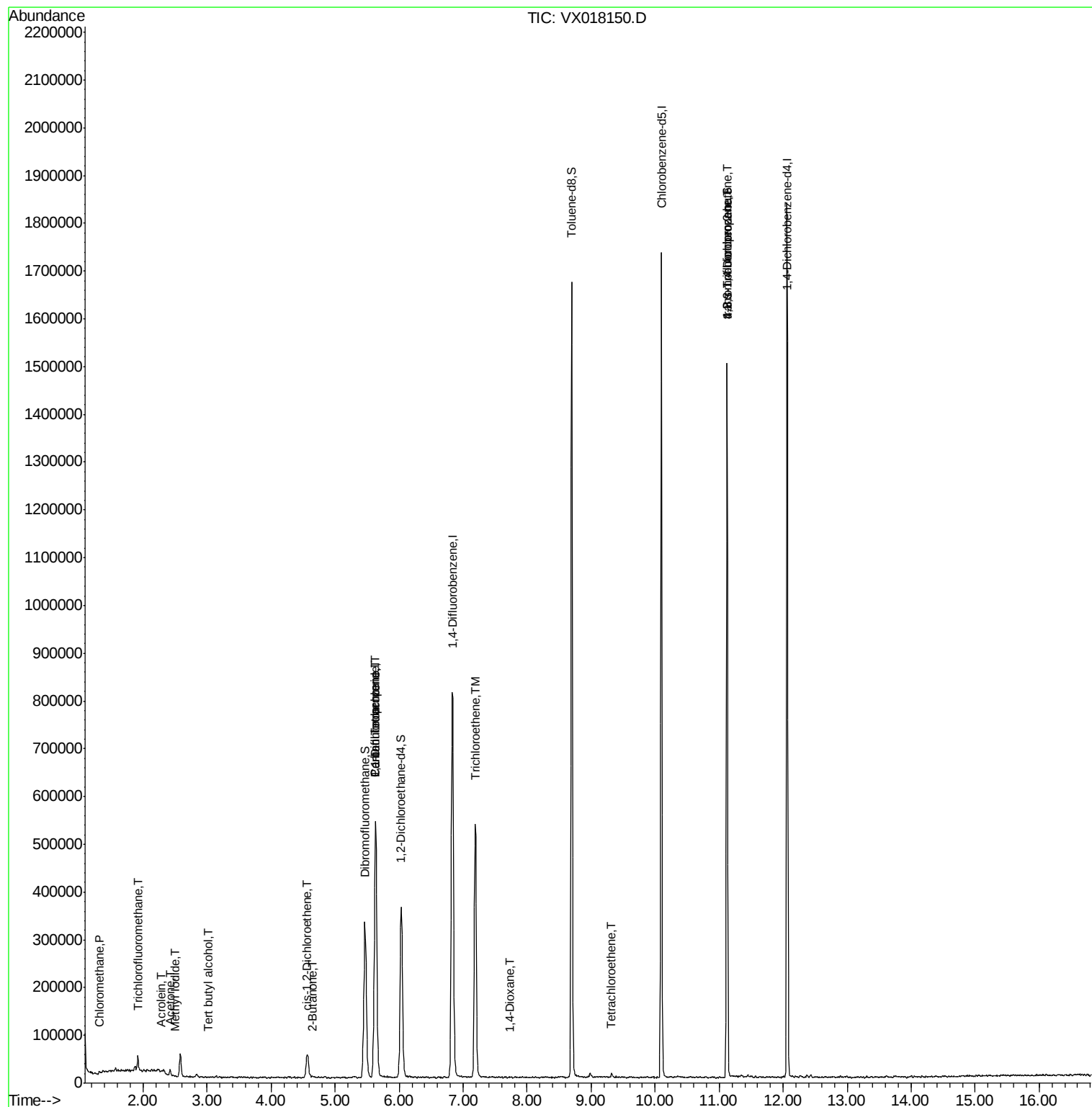
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2426	0.377	ug/l #	88
7) Trichlorofluoromethane	1.92	101	20166	2.307	ug/l	91
10) Methyl Iodide	2.50	142	335	5.346	ug/l #	74
11) Tert butyl alcohol	3.02	59	1652	1.220	ug/l	98
13) Acrolein	2.29	56	470	0.837	ug/l	99
16) Acetone	2.42	43	12747	4.696	ug/l	96
20) Methylene Chloride	2.84	84	2766	Below Cal		95
25) 2-Butanone	4.64	43	902	0.202	ug/l #	67
27) cis-1,2-Dichloroethene	4.56	96	32333	5.165	ug/l	89
36) 1,1-Dichloropropene	5.63	75	40477	5.320	ug/l #	53
38) Carbon Tetrachloride	5.63	117	51863	6.049	ug/l #	18
44) Trichloroethene	7.19	130	211966	33.554	ug/l	100
49) 1,4-Dioxane	7.73	88	258	2.005	ug/l #	1
64) Tetrachloroethene	9.32	164	1206	0.215	ug/l #	72
76) 1,2,3-Trichloropropane	11.12	75	186286	22.314	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	186286	60.267	ug/l #	12

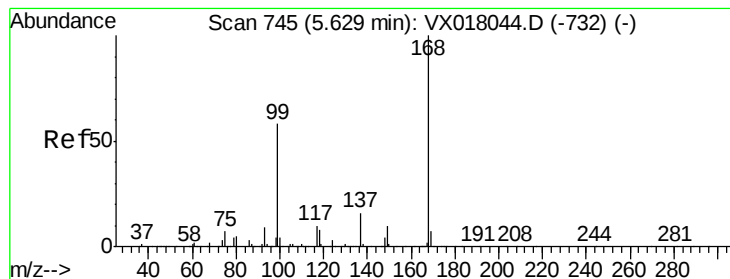
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
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# 746

Delta R.T. 0.01 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

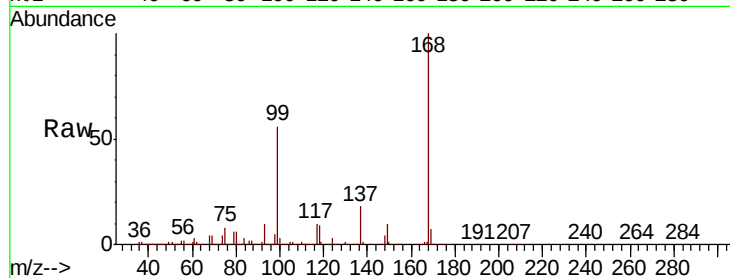
INTERCEPTOR-20200827

Tot Ion:168 Resp: 501771

Ion Ratio Lower Upper

168 100

99 56.4 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

200000

150000

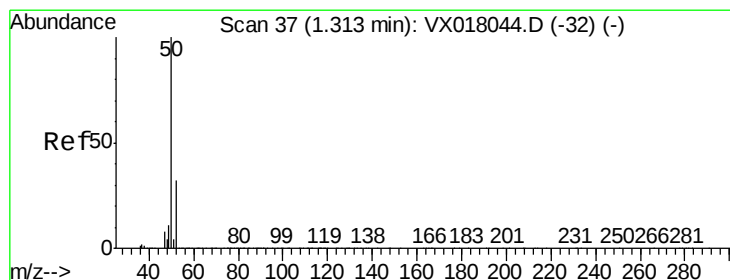
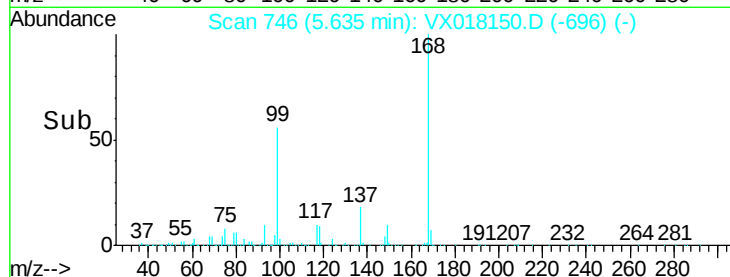
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018150.D

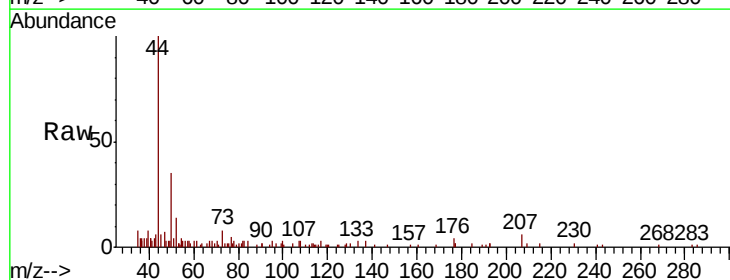
Acq: 31 Aug 2020 16:16

Tgt Ion: 50 Resp: 2426

Ion Ratio Lower Upper

50 100

52 38.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

1500

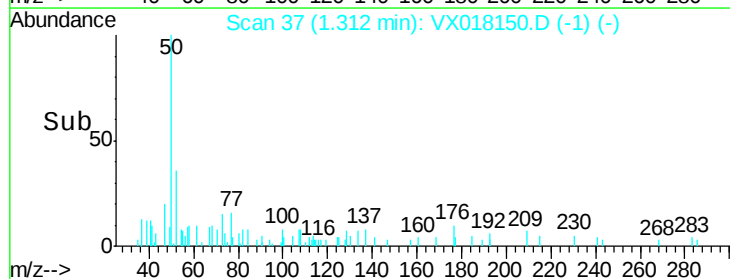
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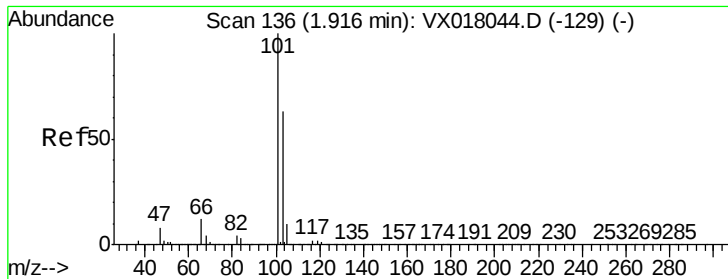
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0

Time-->

1.30 1.35



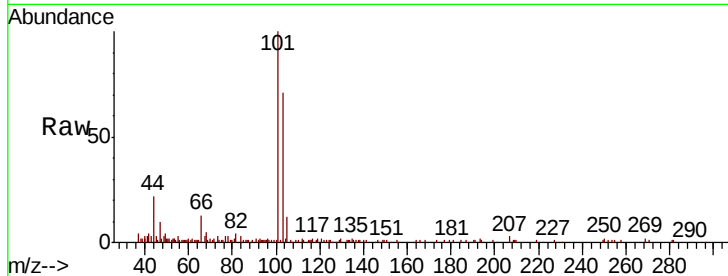


#7

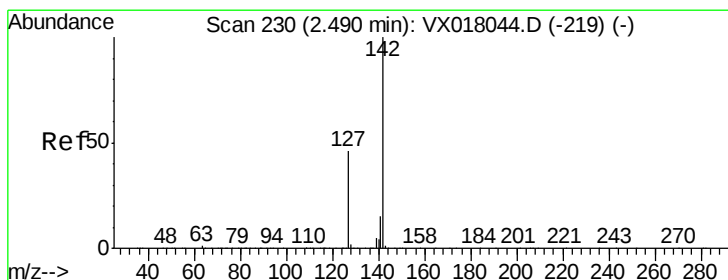
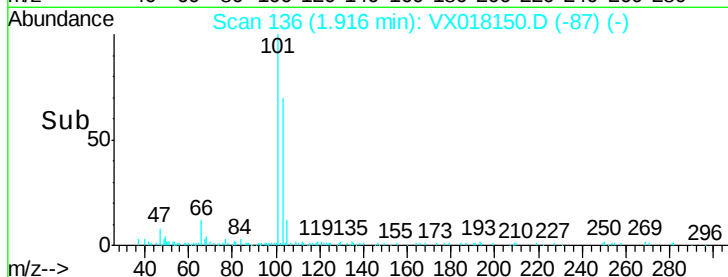
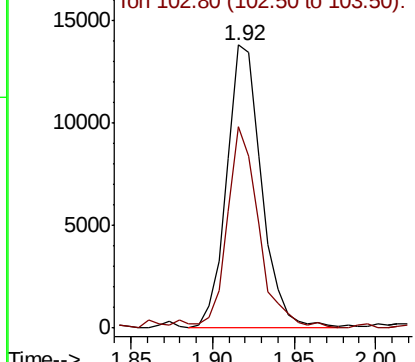
Trichlorofluoromethane
Concen: 2.307 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

Tot Ion:101 Resp: 20166
Ion Ratio Lower Upper
101 100
103 70.5 50.7 76.1



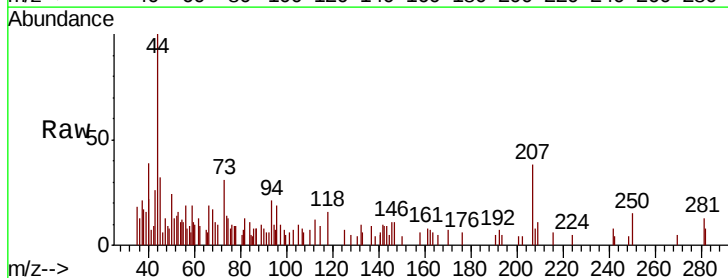
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



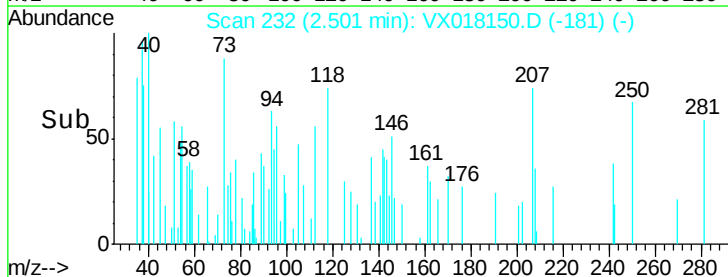
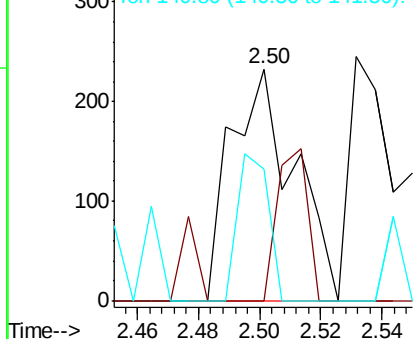
#10

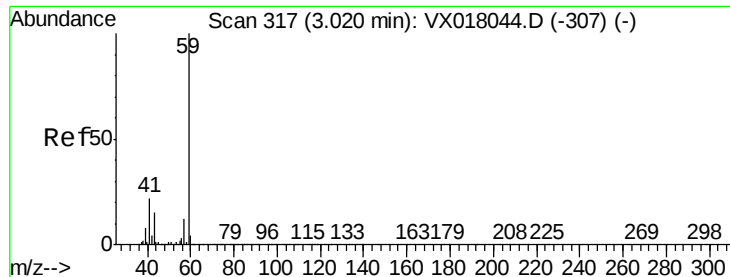
Methyl Iodide
Concen: 5.346 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

Tgt Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
127 31.6 37.0 55.6#
141 30.4 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



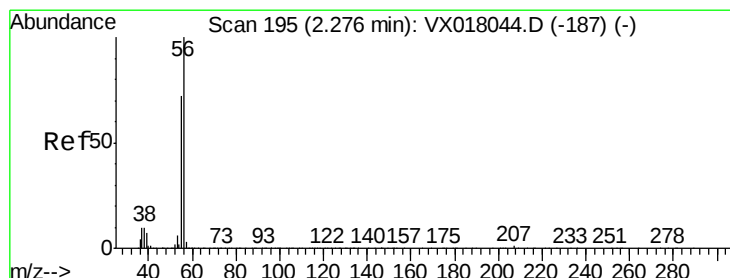
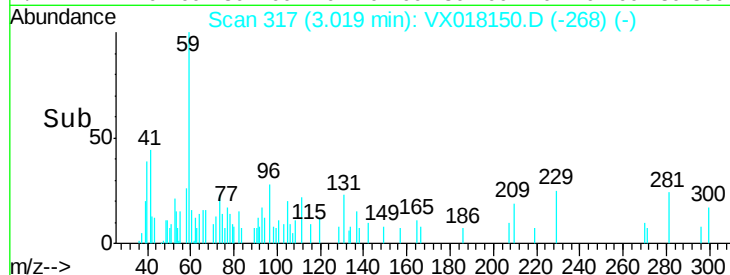
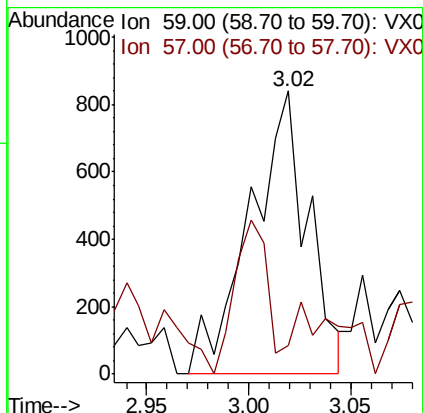
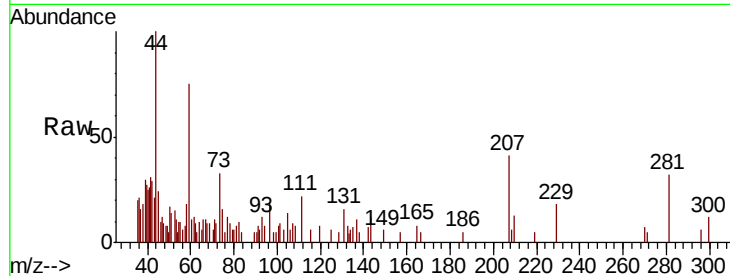


#11

Tert butyl alcohol
 Concen: 1.220 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX018150.D
 Acq: 31 Aug 2020 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 INTERCEPTOR-20200827

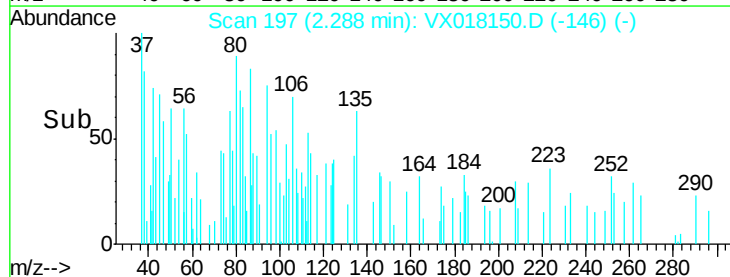
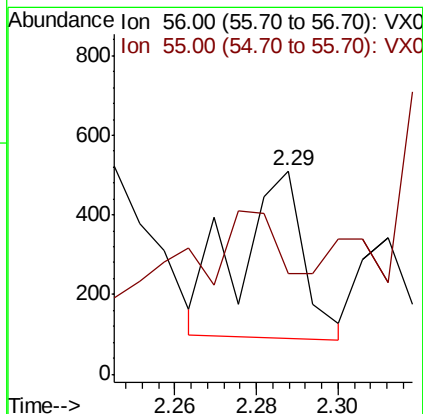
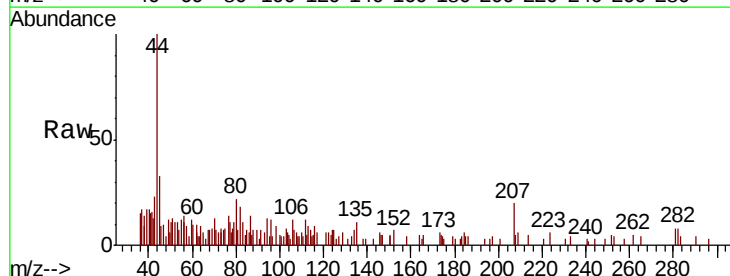
Tot Ion: 59 Resp: 1652
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.9 13.3

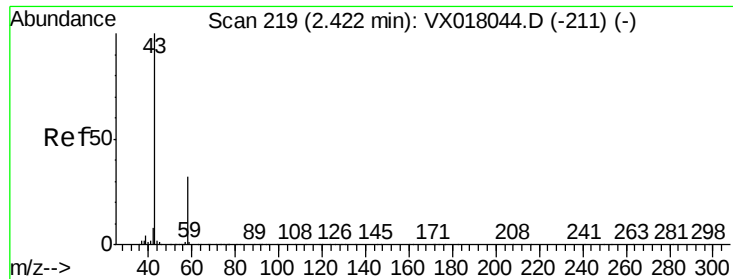


#13

Acrolein
 Concen: 0.837 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX018150.D
 Acq: 31 Aug 2020 16:16

Tgt Ion: 56 Resp: 470
 Ion Ratio Lower Upper
 56 100
 55 72.1 57.0 85.6

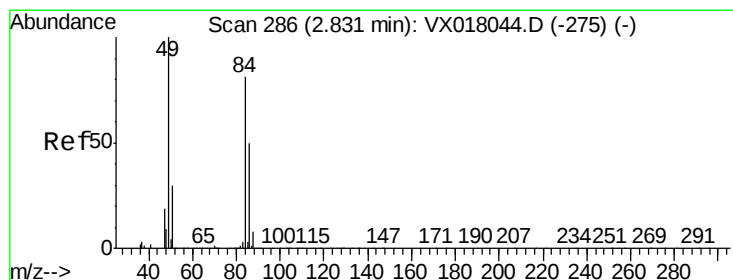
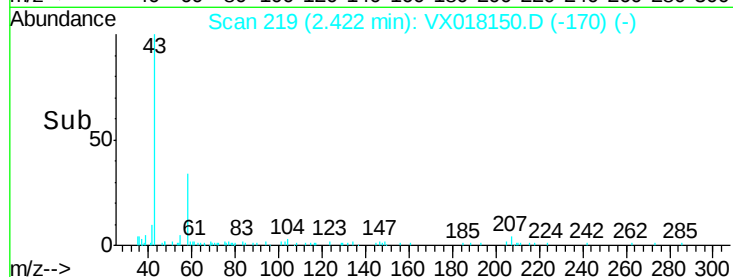
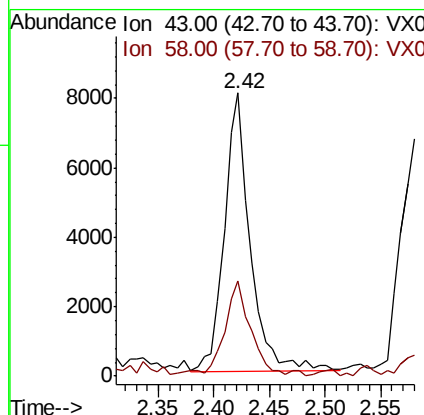
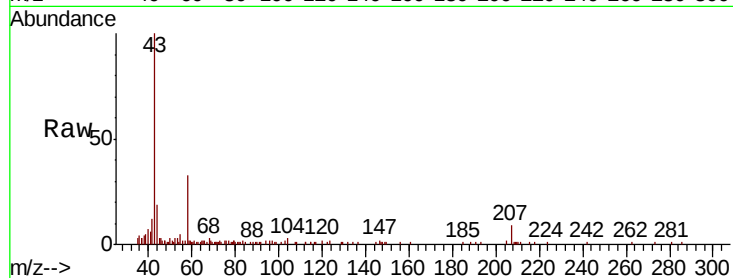




#16
Acetone
Concen: 4.696 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

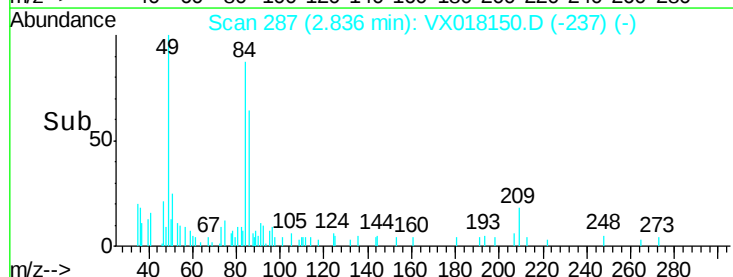
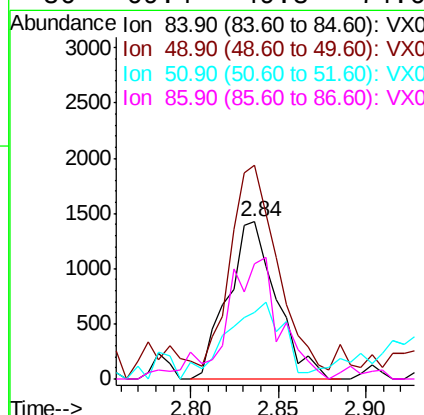
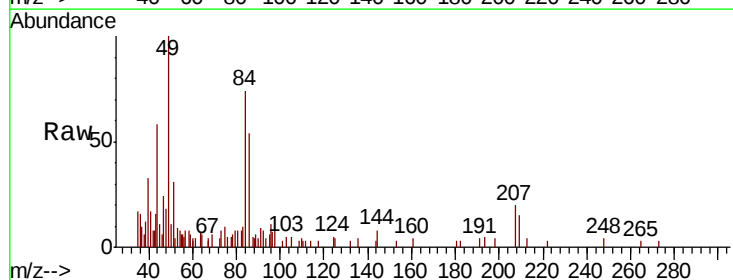
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

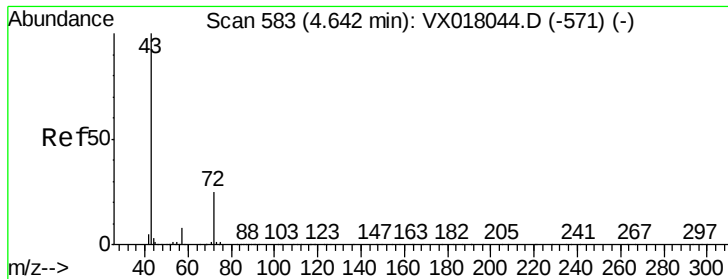
Tot Ion: 43 Resp: 12747
Ion Ratio Lower Upper
43 100
58 34.2 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

Tgt Ion: 84 Resp: 2766
Ion Ratio Lower Upper
84 100
49 124.8 98.6 148.0
51 31.7 29.6 44.4
86 69.4 49.8 74.6





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

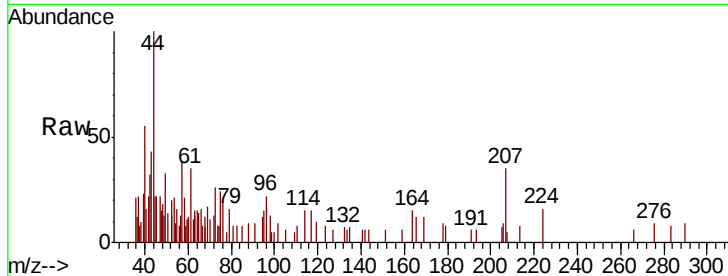
INTERCEPTOR-20200827

Tot Ion: 43 Resp: 902

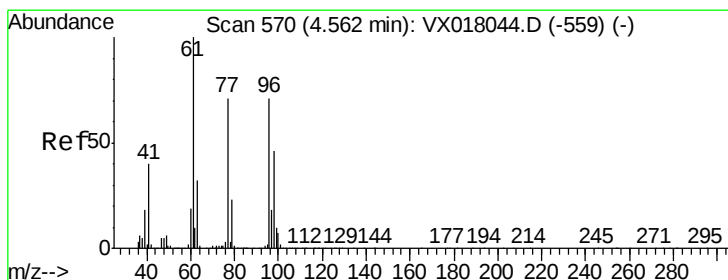
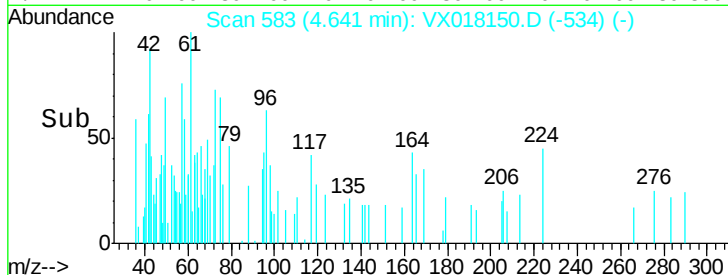
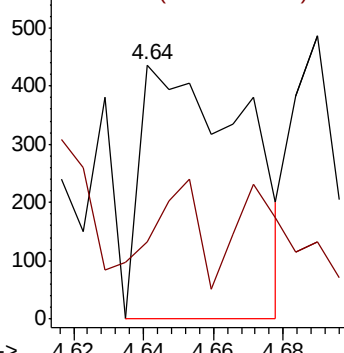
Ion Ratio Lower Upper

43 100

72 8.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 5.165 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

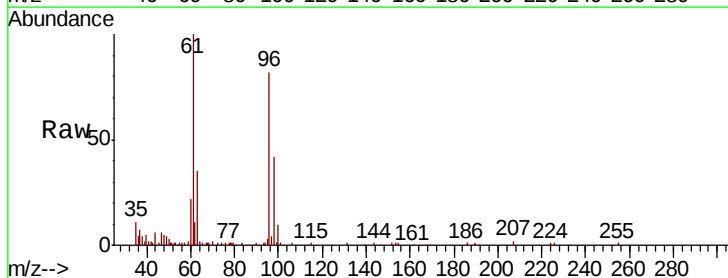
Tgt Ion: 96 Resp: 32333

Ion Ratio Lower Upper

96 100

61 129.1 0.0 296.6

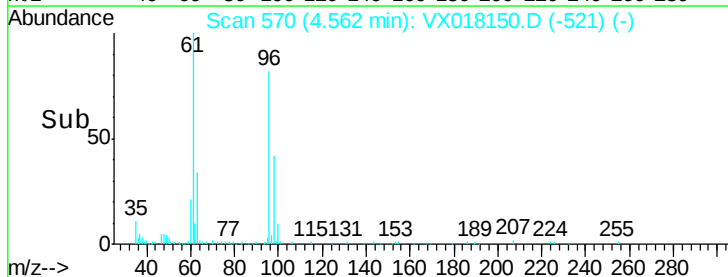
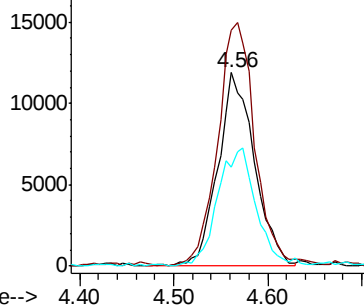
98 64.6 0.0 130.2

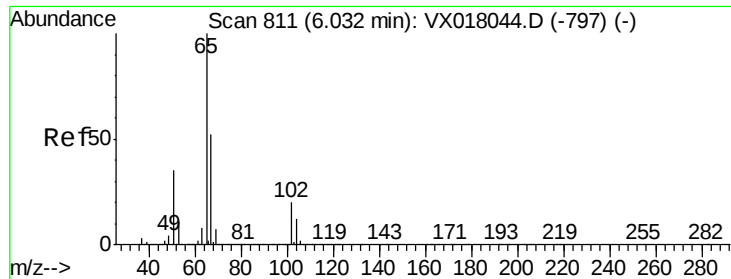


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

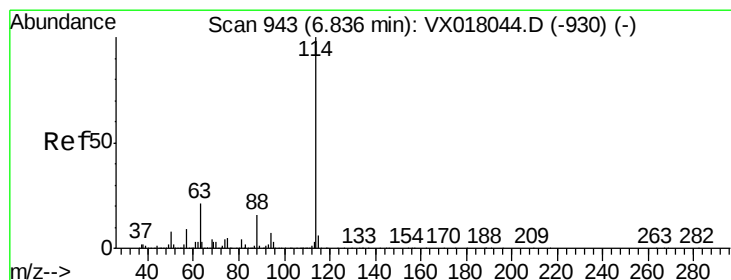
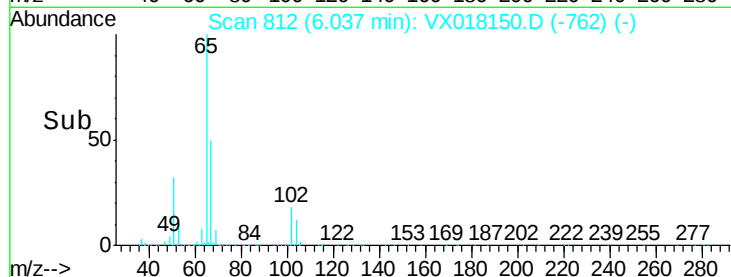
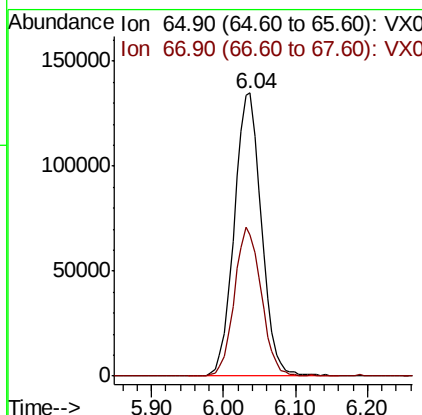
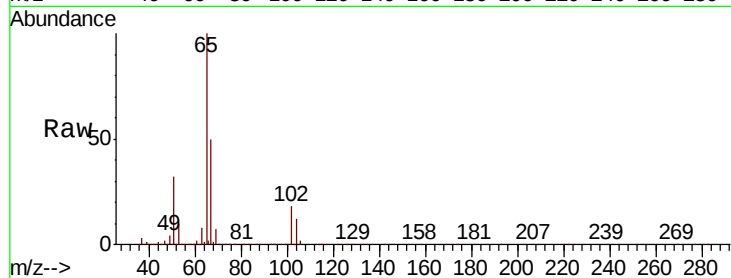




#33
 1,2-Dichloroethane-d4
 Concen: 50.781 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018150.D
 Acq: 31 Aug 2020 16:16

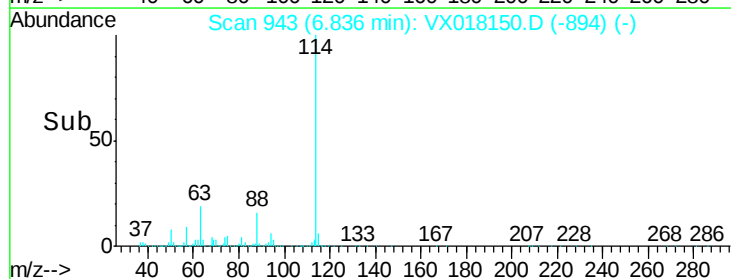
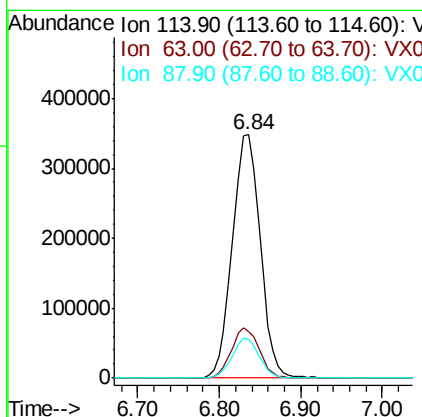
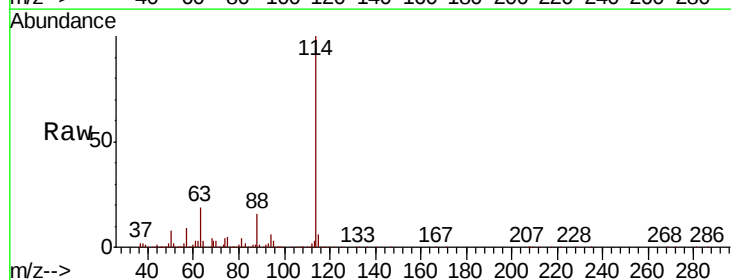
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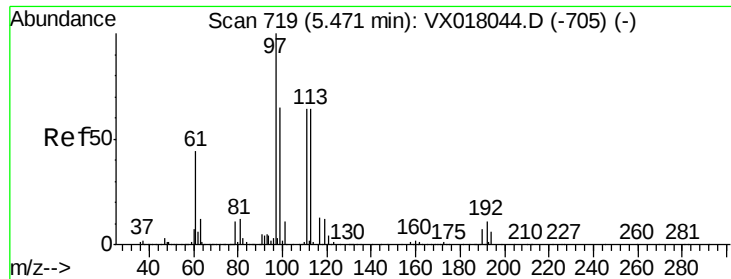
Tot Ion: 65 Resp: 353736
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018150.D
 Acq: 31 Aug 2020 16:16

Tgt Ion: 114 Resp: 824906
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.6
 88 15.7 0.0 31.8

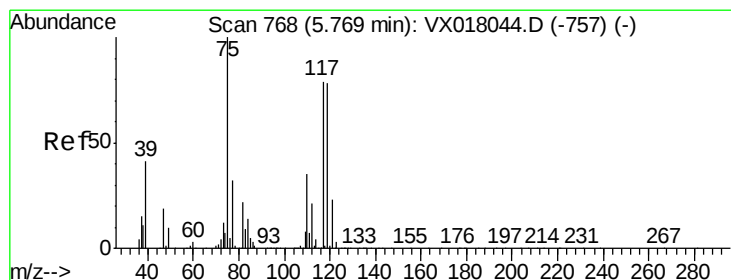
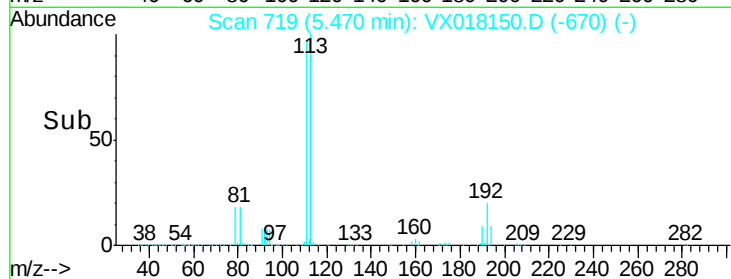
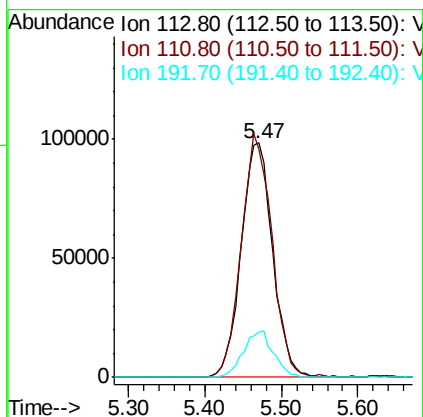
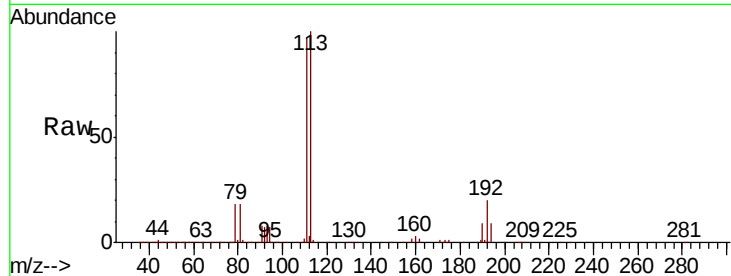




#35
Dibromofluoromethane
Concen: 50.187 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

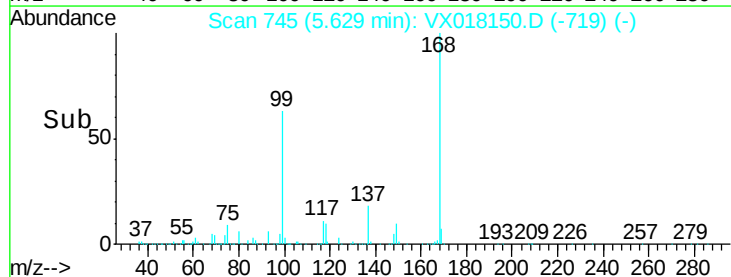
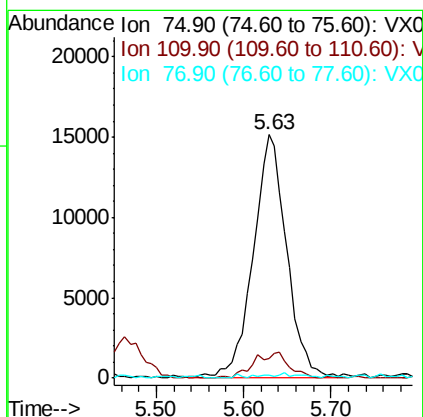
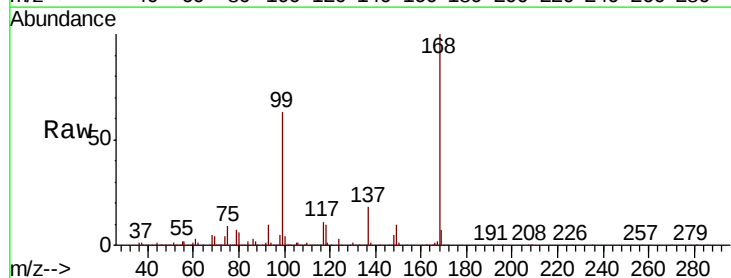
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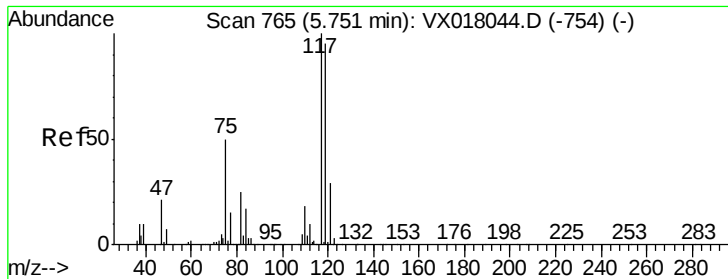
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	19.0	15.8	23.8



#36
1,1-Dichloropropene
Concen: 5.320 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.0	54.0#
77	1.4	24.4	36.6#

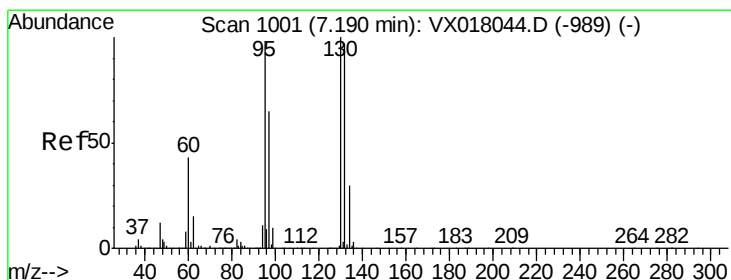
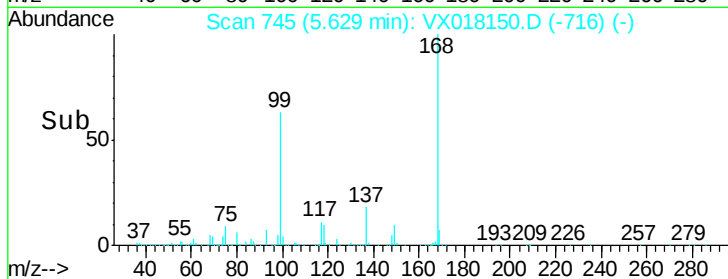
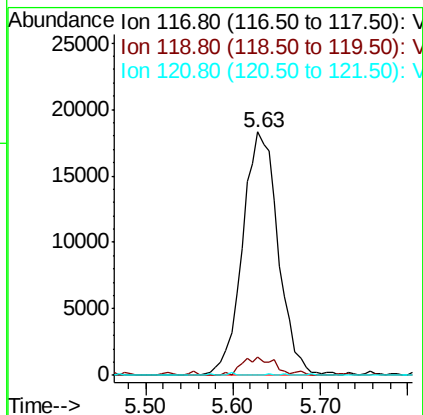
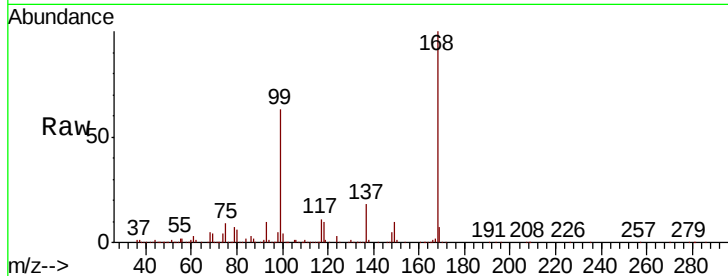




#38
Carbon Tetrachloride
Concen: 6.049 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

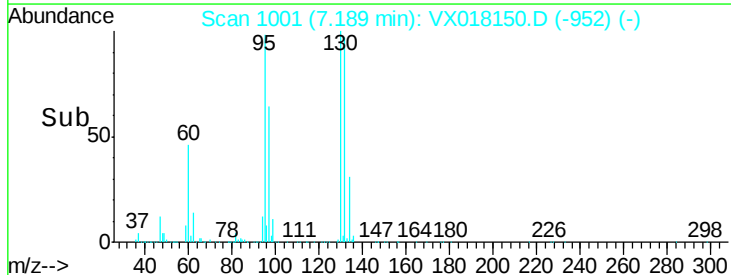
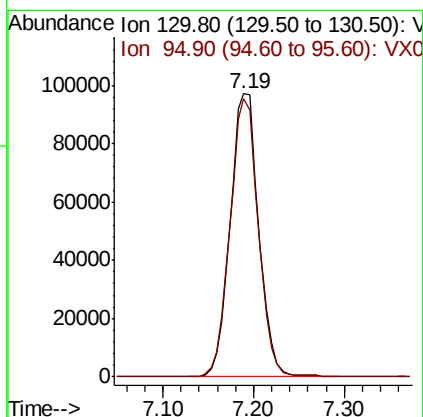
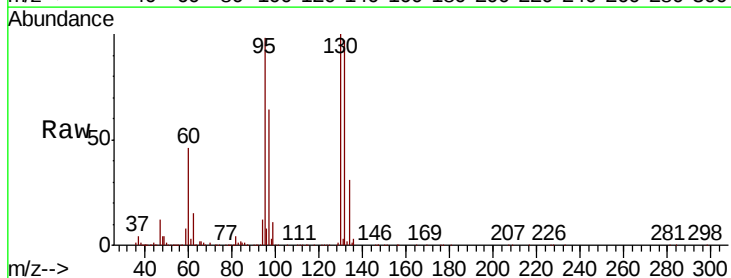
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

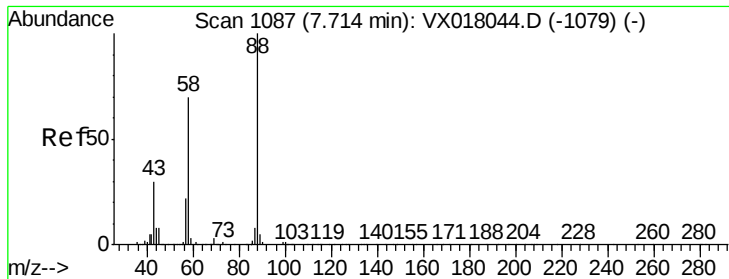
Tot Ion:117 Resp: 51863
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 23.4 35.0#



#44
Trichloroethene
Concen: 33.554 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX018150.D
Acq: 31 Aug 2020 16:16

Tgt Ion:130 Resp: 211966
Ion Ratio Lower Upper
130 100
95 98.4 0.0 196.4





#49

1,4-Dioxane

Concen: 2.005 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

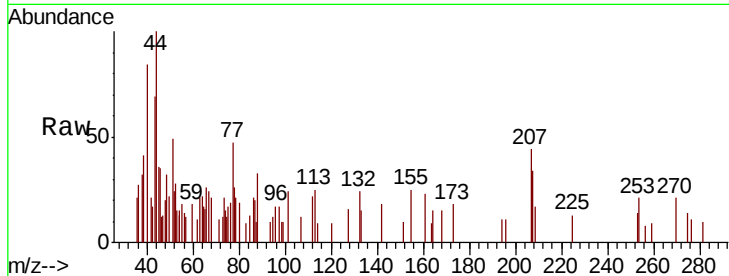
Tot Ion: 88 Resp: 258

Ion Ratio Lower Upper

88 100

43 201.2 27.4 41.0#

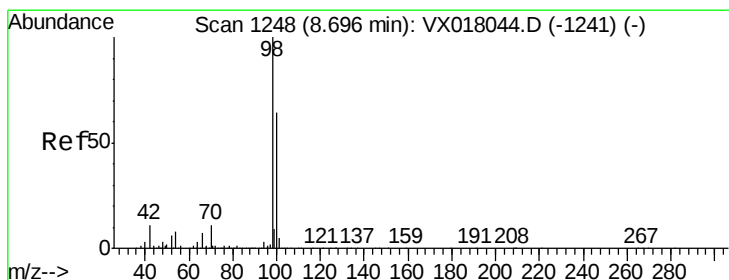
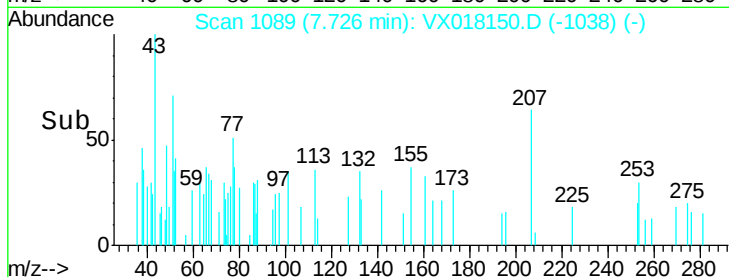
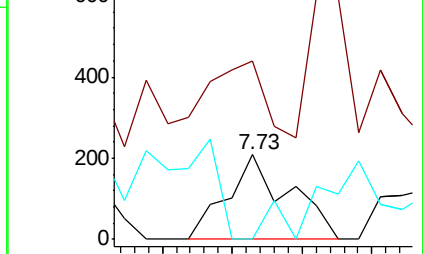
58 115.1 56.4 84.6#



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



#50

Toluene-d8

Concen: 47.738 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018150.D

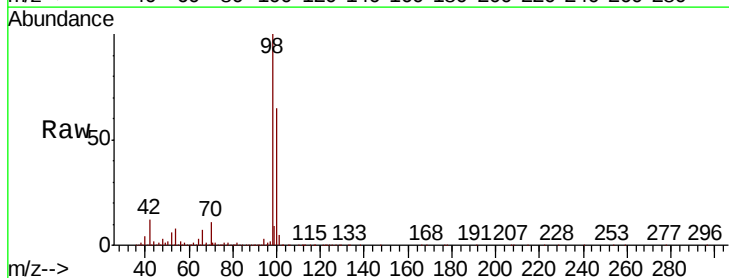
Acq: 31 Aug 2020 16:16

Tgt Ion: 98 Resp: 998904

Ion Ratio Lower Upper

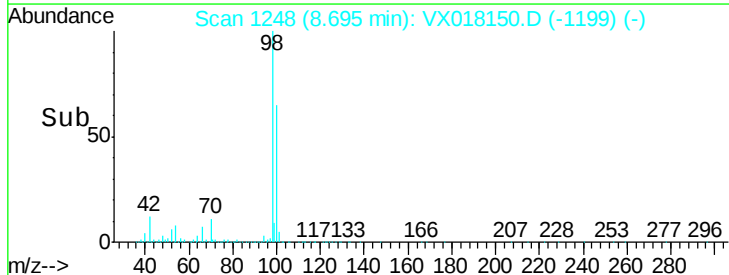
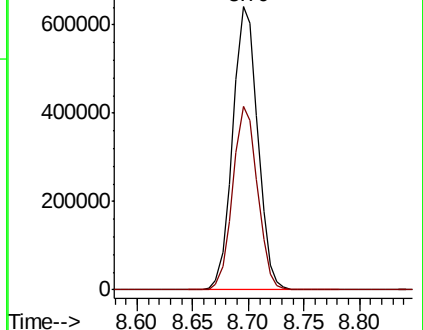
98 100

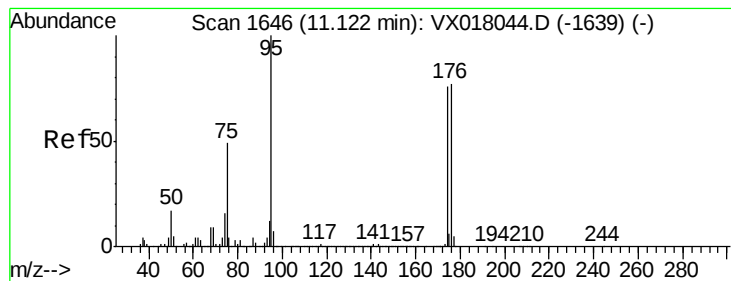
100 64.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.086 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

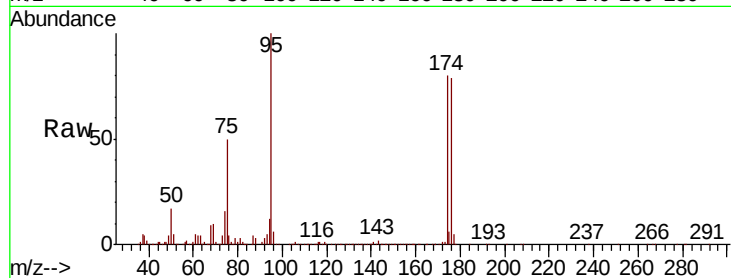
Tot Ion: 95 Resp: 371171

Ion Ratio Lower Upper

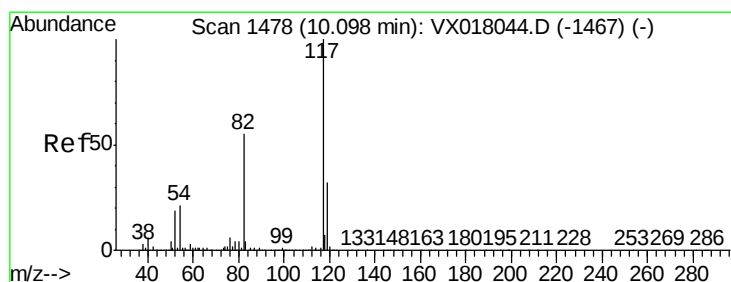
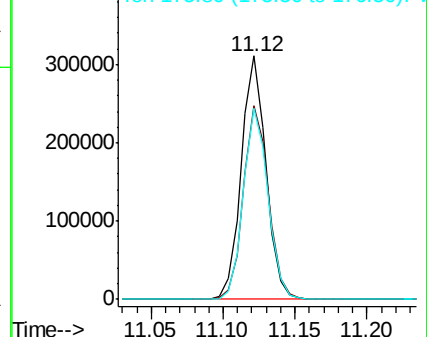
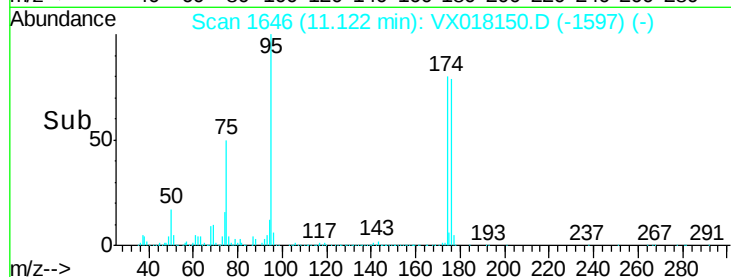
95 100

174 80.5 0.0 160.2

176 78.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018150.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

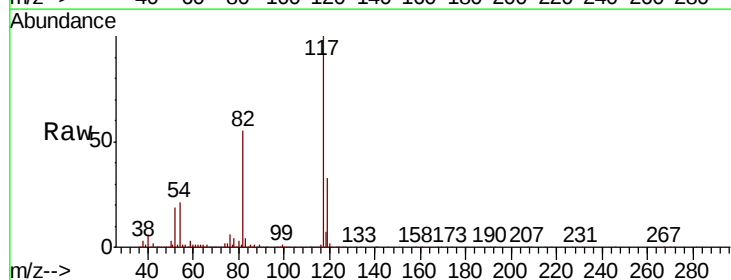
Tgt Ion: 117 Resp: 763778

Ion Ratio Lower Upper

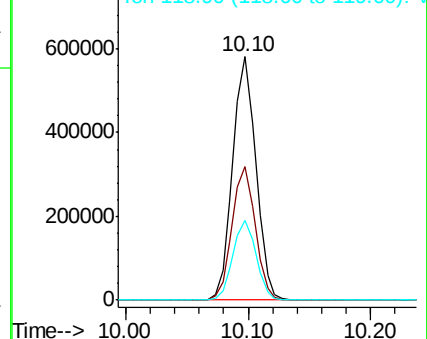
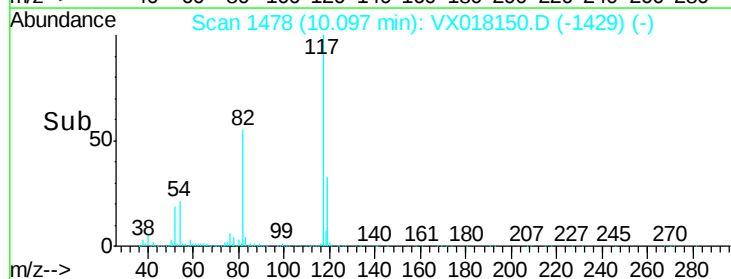
117 100

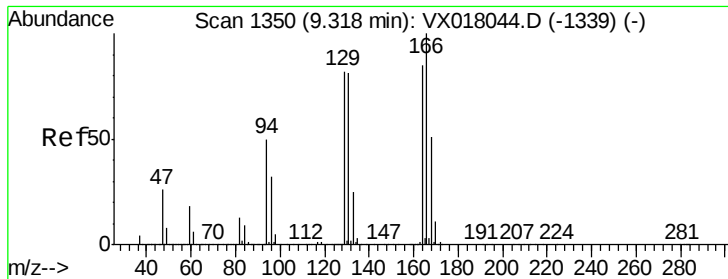
82 54.7 44.2 66.2

119 32.9 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VX018150.D (-1429) (-)





#64

Tetrachloroethene

Concen: 0.215 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

Tot Ion:164 Resp: 1206

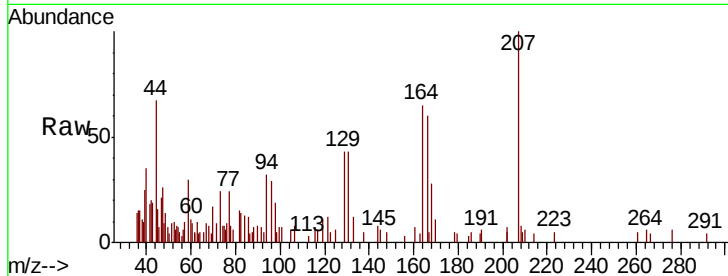
Ion Ratio Lower Upper

164 100

166 92.5 94.2 141.2#

129 66.2 76.9 115.3#

131 65.5 76.1 114.1#



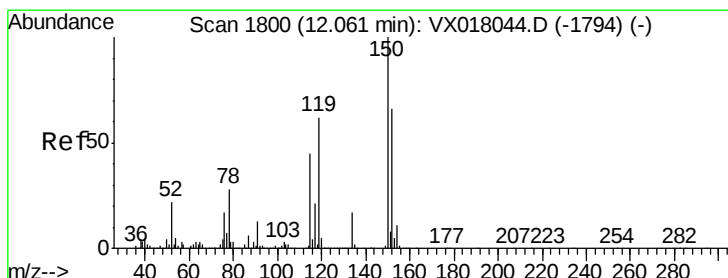
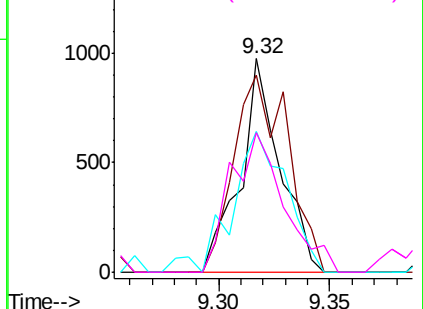
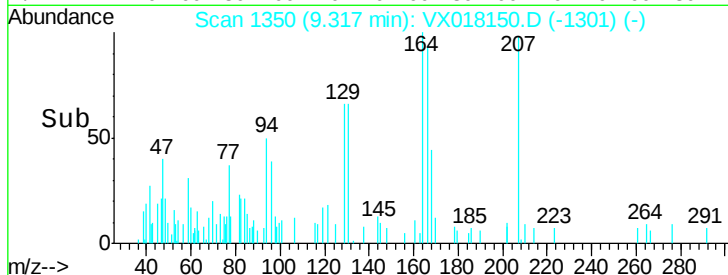
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX018150.D

Acq: 31 Aug 2020 16:16

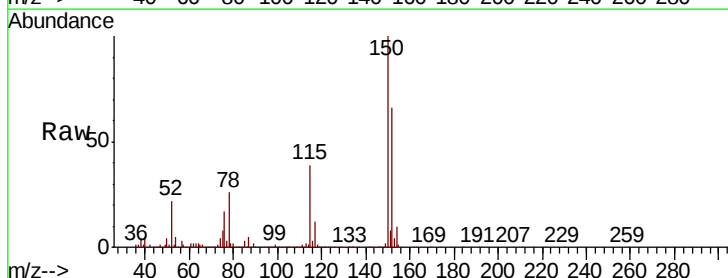
Tgt Ion:152 Resp: 375282

Ion Ratio Lower Upper

152 100

115 58.3 41.5 124.5

150 156.5 0.0 343.8

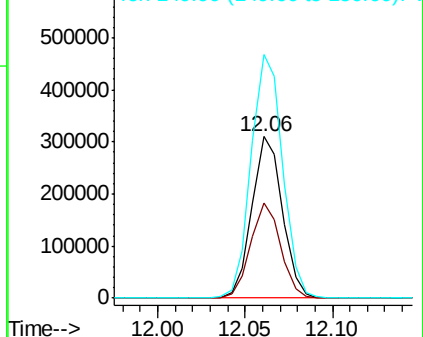
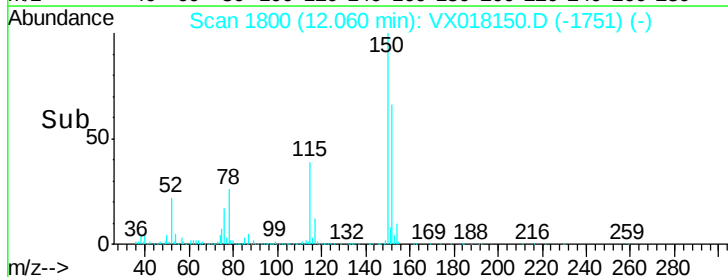


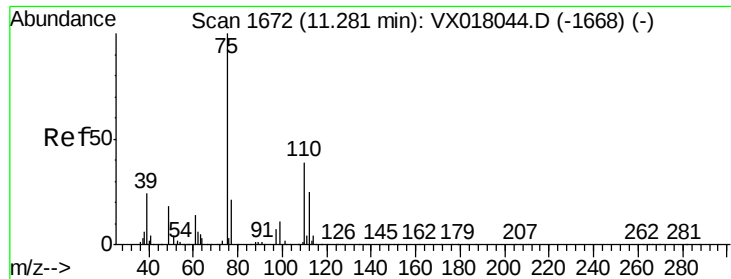
Abundance

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: 22.314 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

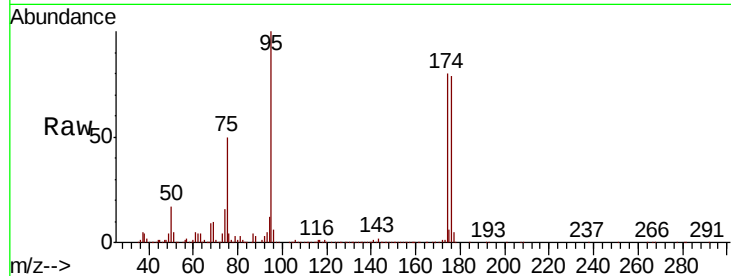
INTERCEPTOR-20200827

Tot Ion: 75 Resp: 186286

Ion Ratio Lower Upper

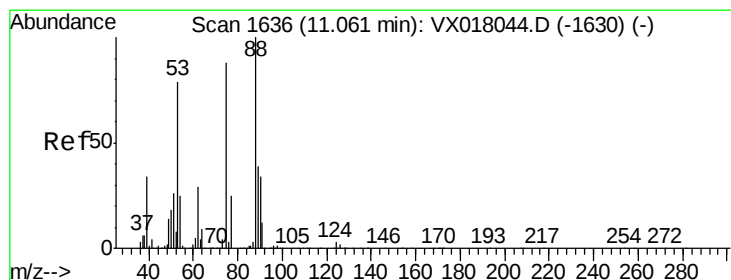
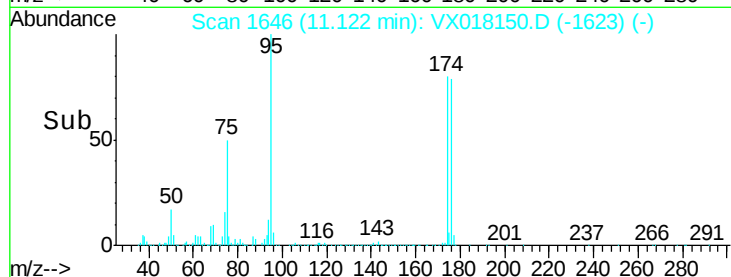
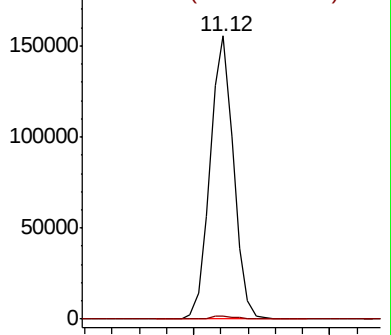
75 100

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: 60.267 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018150.D

Acq: 31 Aug 2020 16:16

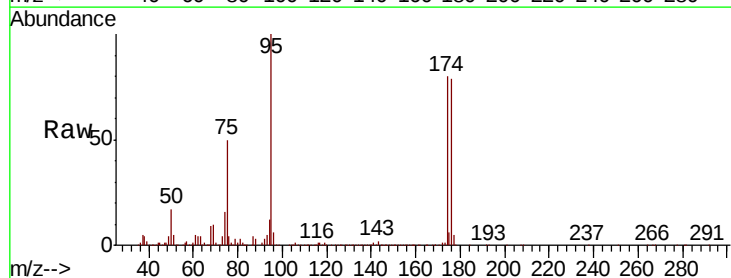
Tgt Ion: 75 Resp: 186286

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 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

