

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018127.D
 Acq On : 28 Aug 2020 17:48
 Operator : JC/SP
 Sample : L3831-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 INTERCEPTOR-20200827

Quant Time: Aug 29 03:07:43 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	537361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	882326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	850981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	401315	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	374117	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	5.47	113	297662	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.70	98	1097397	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.12	95	405706	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

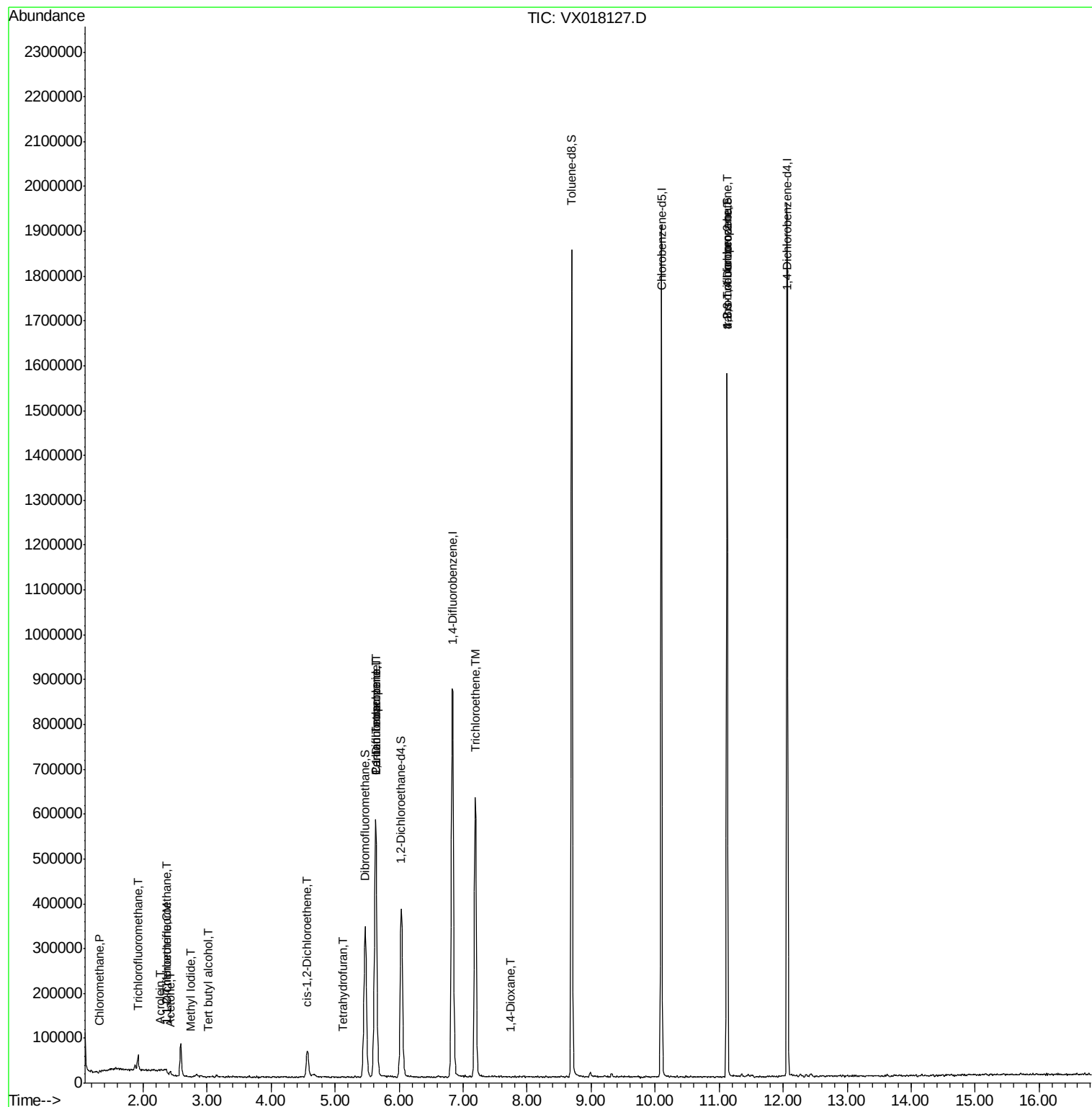
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1710	0.248	ug/l #	68
7) Trichlorofluoromethane	1.92	101	22549	2.408	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1097	0.217	ug/l #	32
10) Methyl Iodide	2.74	142	117	5.306	ug/l	97
11) Tert butyl alcohol	3.02	59	1667	1.149	ug/l #	63
12) 1,1-Dichloroethene	2.36	96	1572	0.299	ug/l #	10
13) Acrolein	2.28	56	755	1.255	ug/l #	81
16) Acetone	2.42	43	12957	4.457	ug/l	94
20) Methylene Chloride	2.84	84	3205	Below Cal	#	83
27) cis-1,2-Dichloroethene	4.57	96	36538	5.451	ug/l	90
29) Tetrahydrofuran	5.11	42	999	0.328	ug/l #	60
36) 1,1-Dichloropropene	5.63	75	41998	5.161	ug/l #	51
38) Carbon Tetrachloride	5.63	117	57099	6.226	ug/l #	17
44) Trichloroethene	7.19	130	241859	35.795	ug/l	97
49) 1,4-Dioxane	7.74	88	172	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	202915	22.729	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	202915	61.388	ug/l #	13

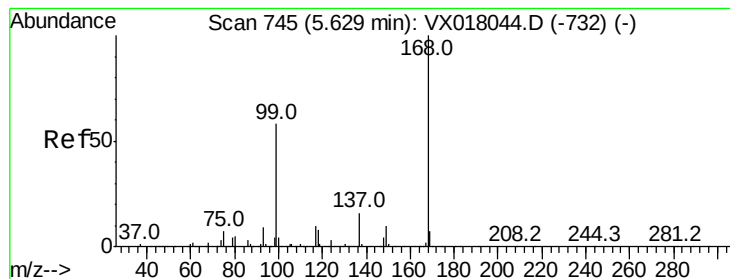
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

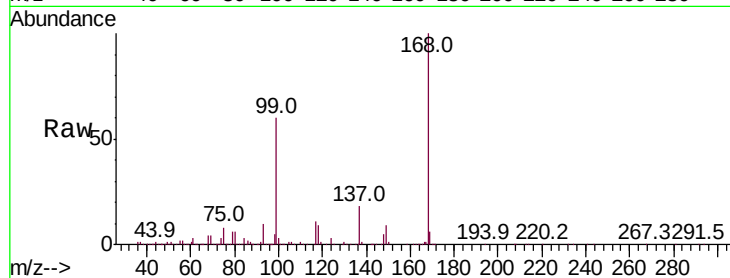
INTERCEPTOR-20200827

Tot Ion:168 Resp: 537361

Ion Ratio Lower Upper

168 100

99 59.6 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

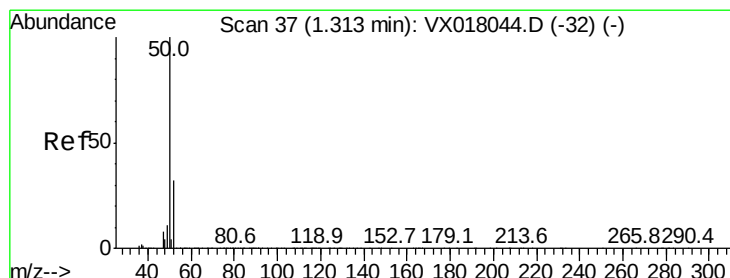
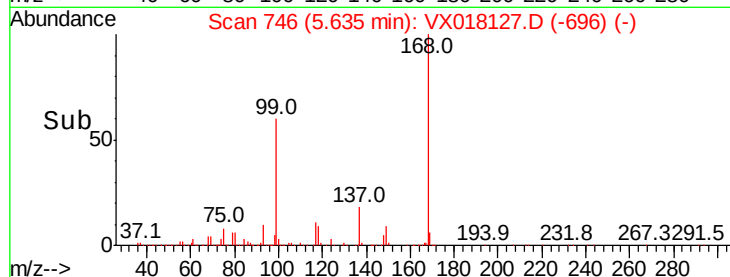
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018127.D

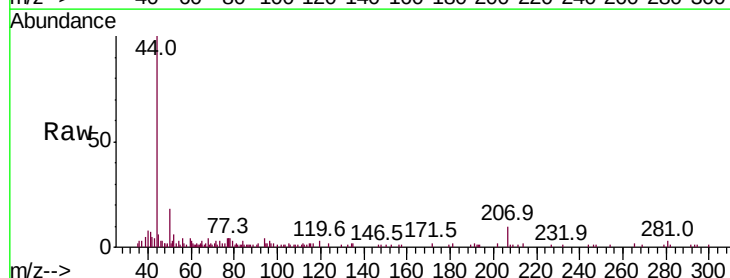
Acq: 28 Aug 2020 17:48

Tgt Ion: 50 Resp: 1710

Ion Ratio Lower Upper

50 100

52 13.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

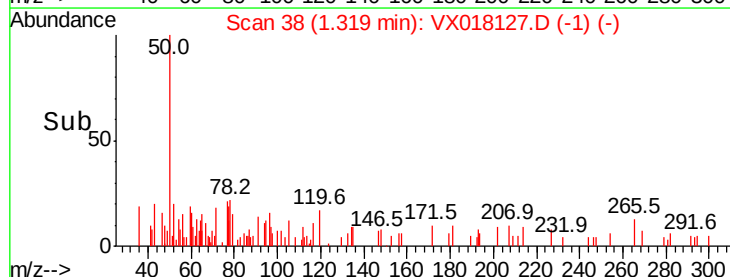
1500

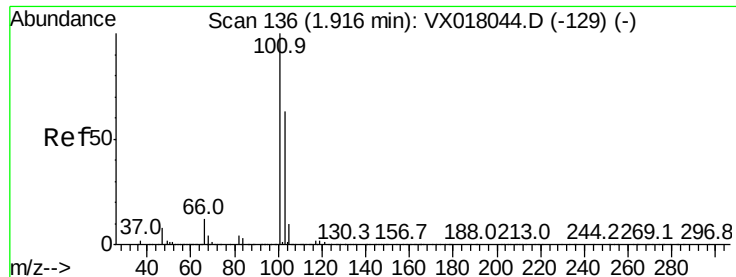
1000

500

0

Time-->





#7

Trichlorofluoromethane

Concen: 2.408 ug/l

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

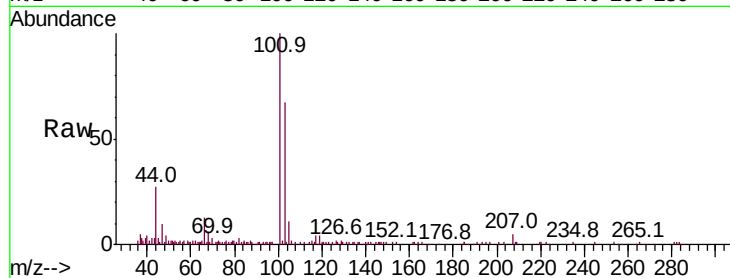
INTERCEPTOR-20200827

Tot Ion:101 Resp: 22549

Ion Ratio Lower Upper

101 100

103 65.9 50.7 76.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

15000

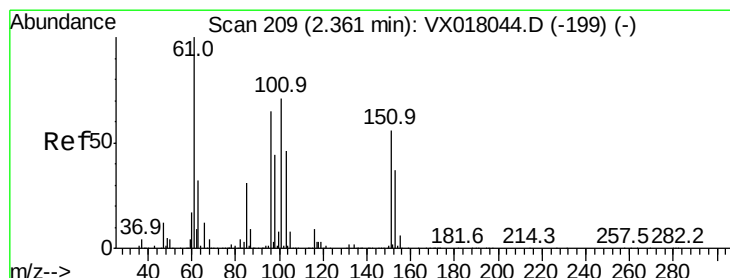
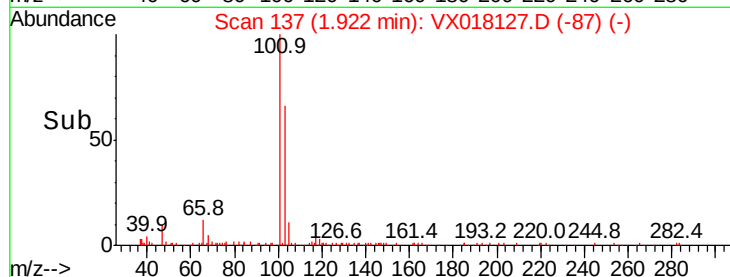
10000

5000

0

1.80 1.85 1.90 1.95 2.00

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.217 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

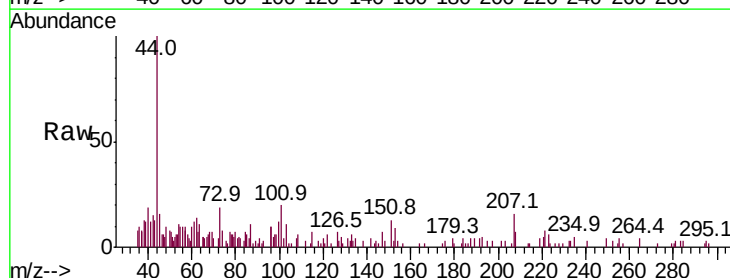
Tgt Ion:101 Resp: 1097

Ion Ratio Lower Upper

101 100

85 27.2 34.0 51.0#

151 0.0 65.2 97.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

600

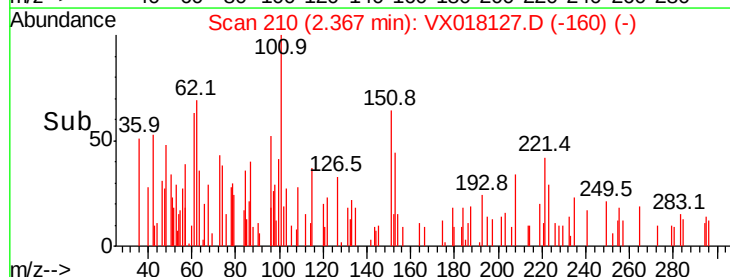
400

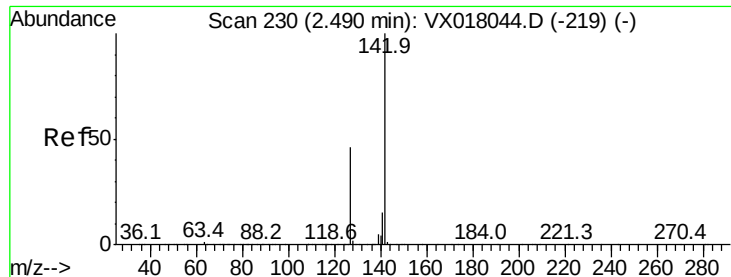
200

0

2.30 2.35 2.40

Time-->

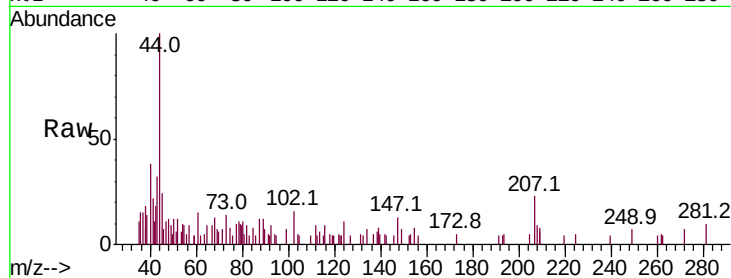




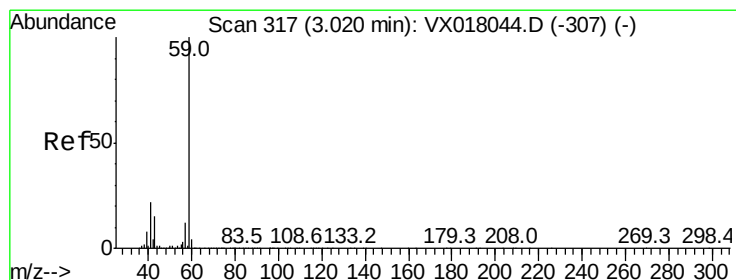
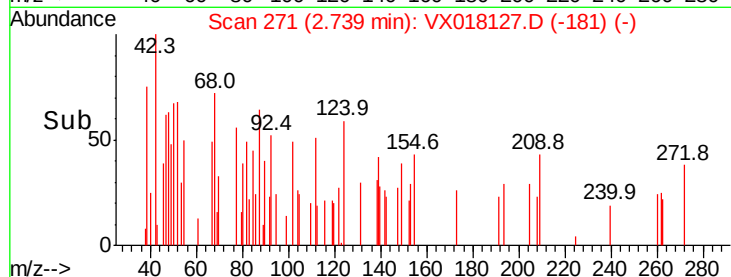
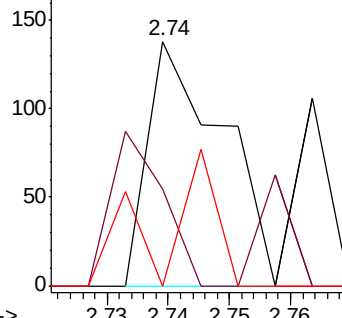
#10
Methvl Iodide
Concen: 5.306 ug/l
RT: 2.74 min Scan# 271
Delta R.T. 0.25 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 44.4 37.0 55.6
141 16.2 11.5 17.3

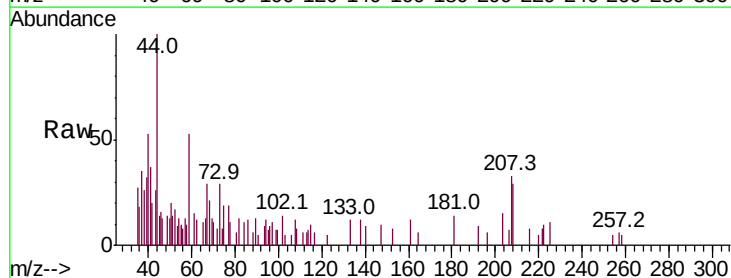


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

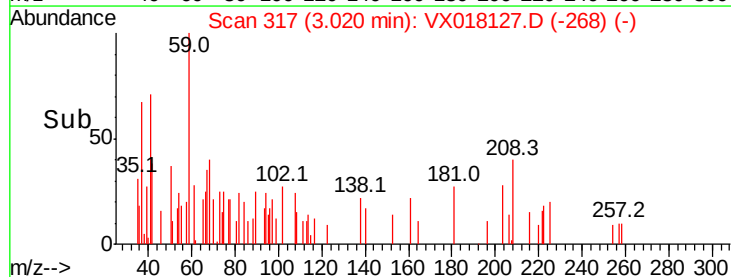
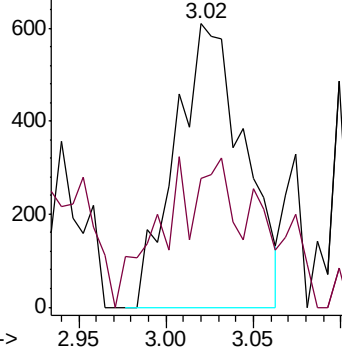


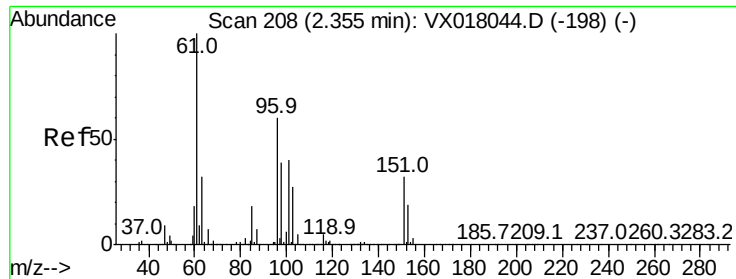
#11
Tert butyl alcohol
Concen: 1.149 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Tgt Ion: 59 Resp: 1667
Ion Ratio Lower Upper
59 100
57 25.1 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.299 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

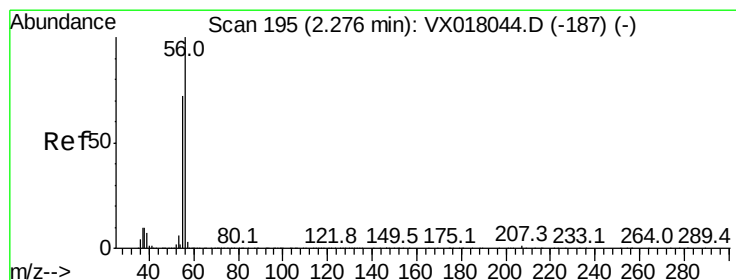
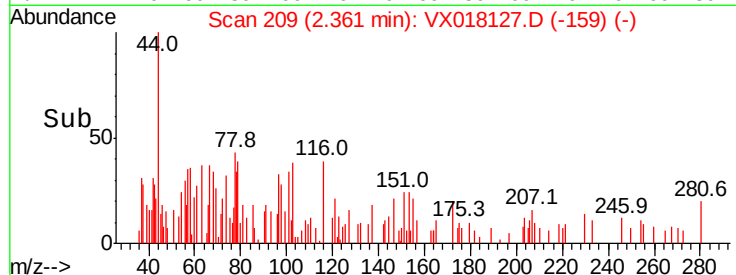
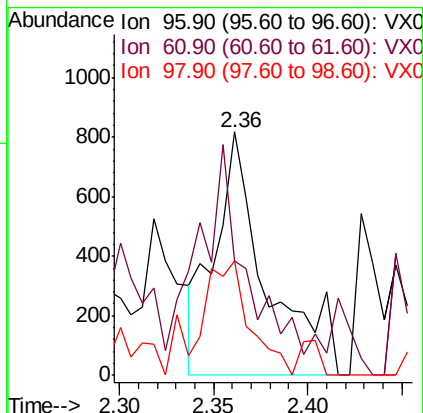
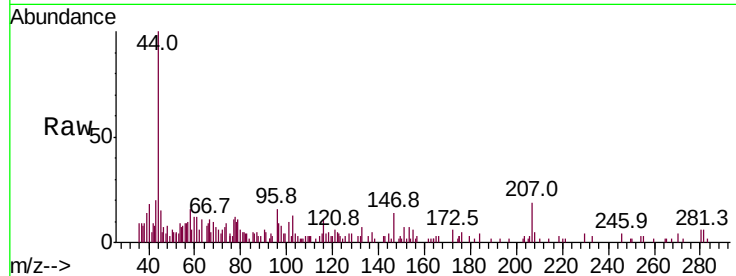
Tot Ion: 96 Resp: 1572

Ion Ratio Lower Upper

96 100

61 15.3 133.0 199.4#

98 38.9 51.6 77.4#



#13

Acrolein

Concen: 1.255 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018127.D

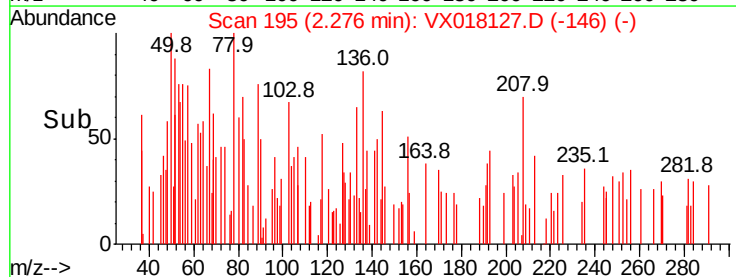
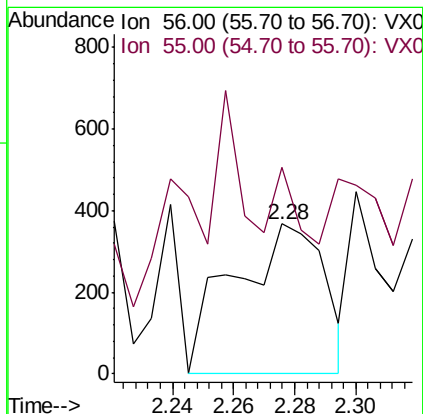
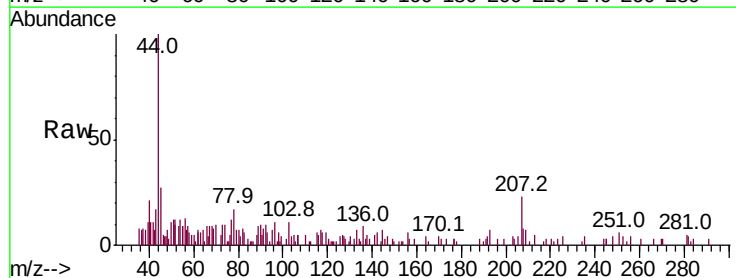
Acq: 28 Aug 2020 17:48

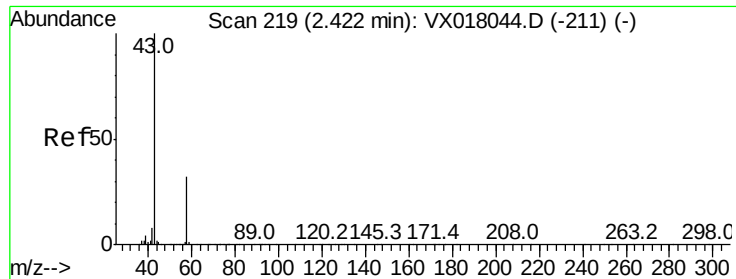
Tgt Ion: 56 Resp: 755

Ion Ratio Lower Upper

56 100

55 87.2 57.0 85.6#





#16

Acetone

Concen: 4.457 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

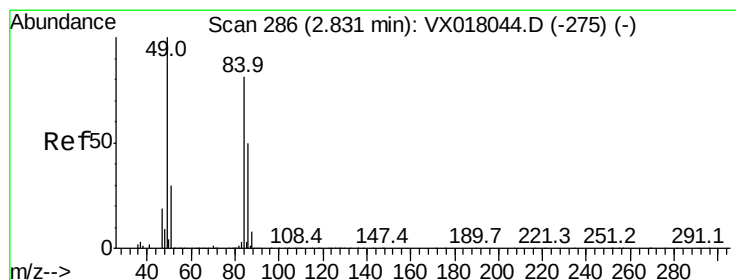
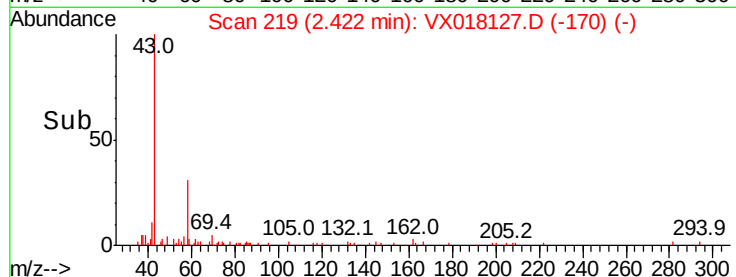
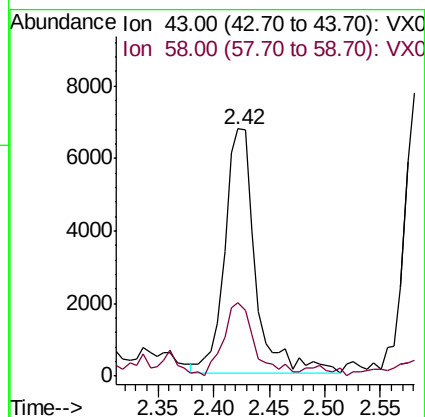
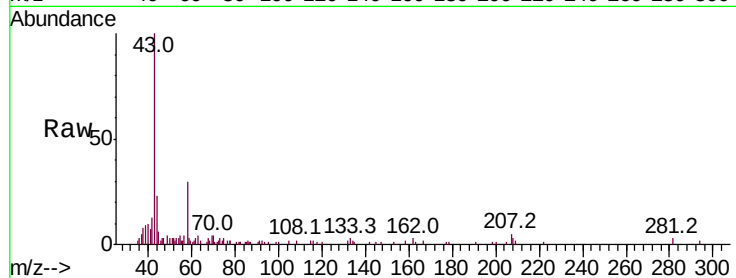
INTERCEPTOR-20200827

Tot Ion: 43 Resp: 12957

Ion Ratio Lower Upper

43 100

58 28.8 25.5 38.3



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Tgt Ion: 84 Resp: 3205

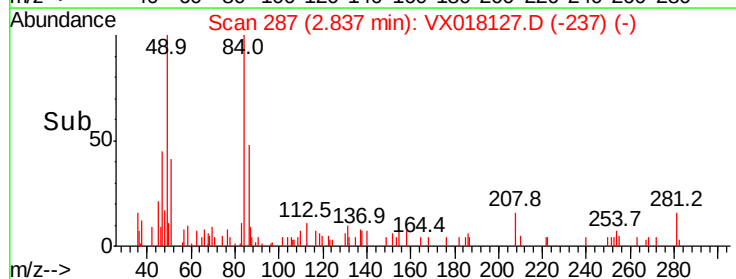
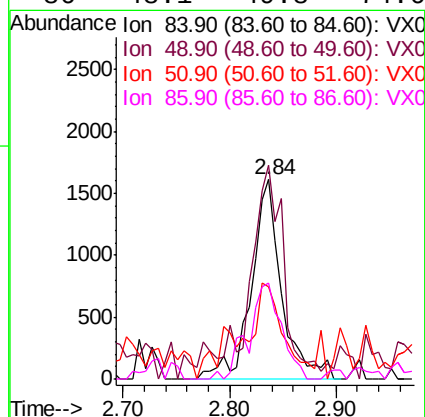
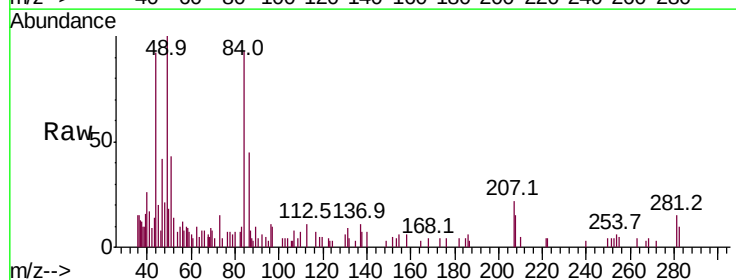
Ion Ratio Lower Upper

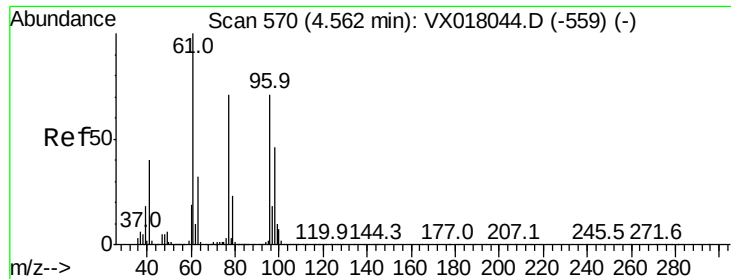
84 100

49 99.6 98.6 148.0

51 34.3 29.6 44.4

86 48.1 49.8 74.6#



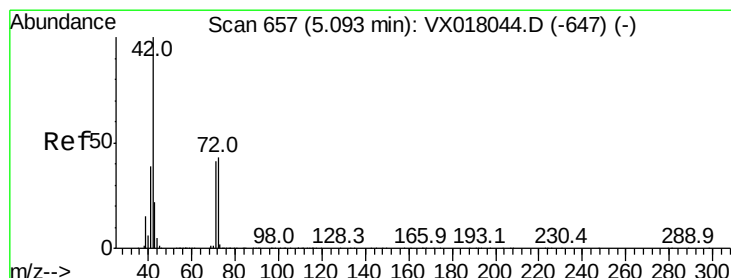
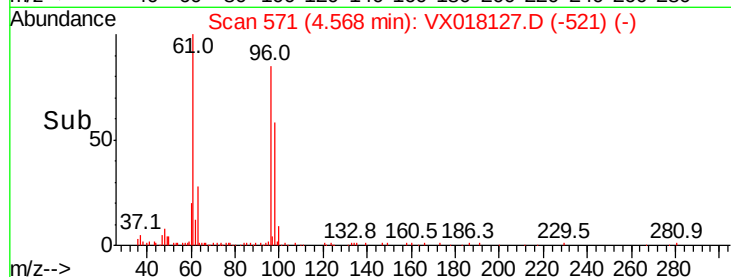
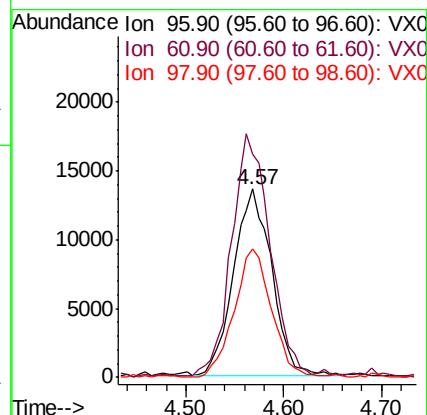
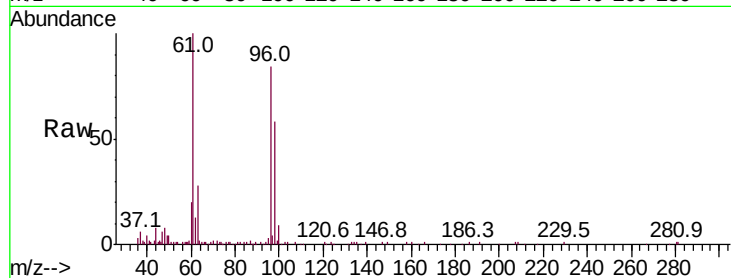


#27

cis-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

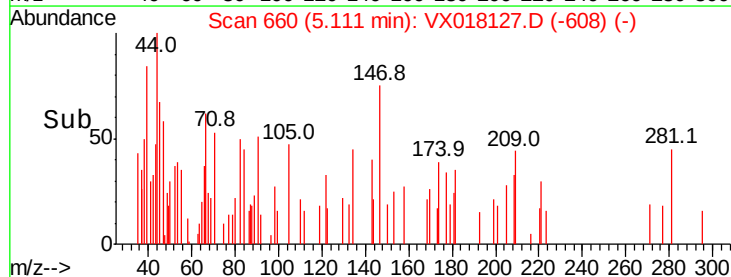
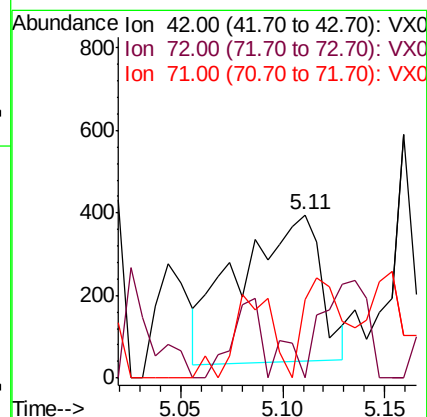
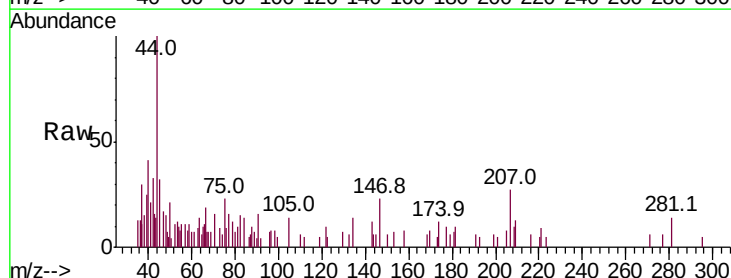
Tot Ion: 96 Resp: 36538
Ion Ratio Lower Upper
96 100
61 131.6 0.0 296.6
98 67.8 0.0 130.2

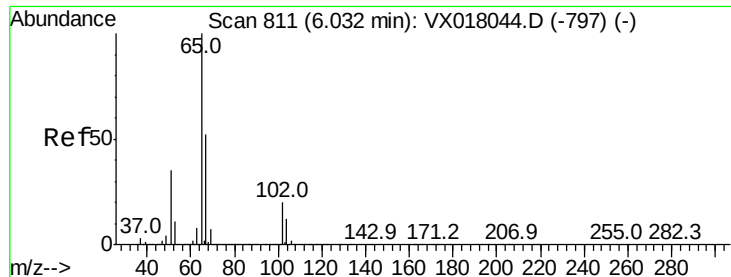


#29

Tetrahydrofuran
Concen: 0.328 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Tgt Ion: 42 Resp: 999
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 33.5 32.1 48.1

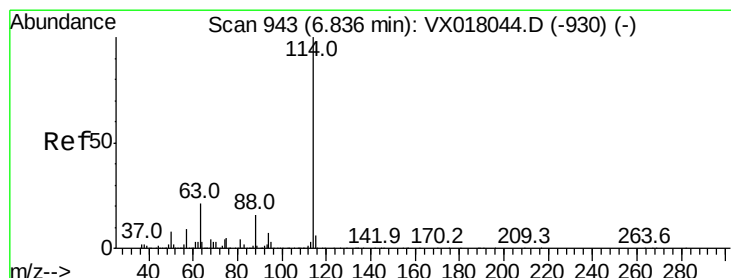
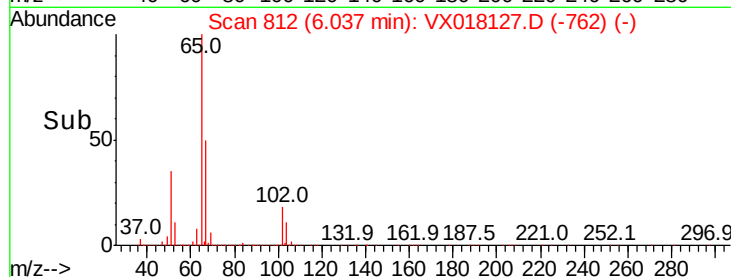
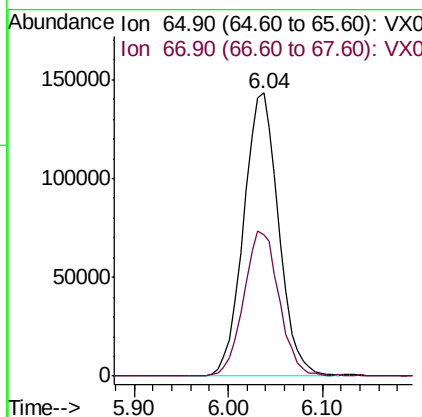
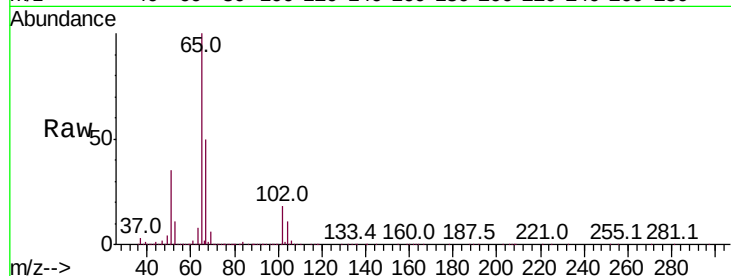




#33
 1,2-Dichloroethane-d4
 Concen: 50.150 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018127.D
 Acq: 28 Aug 2020 17:48

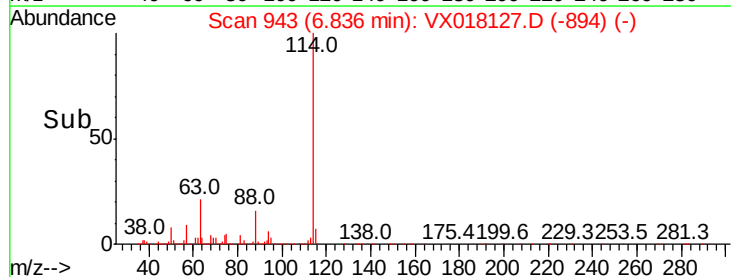
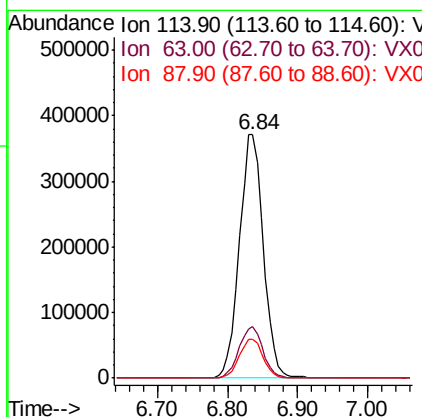
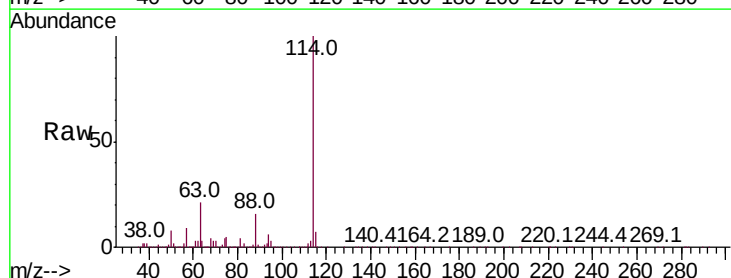
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 MSVOA_X
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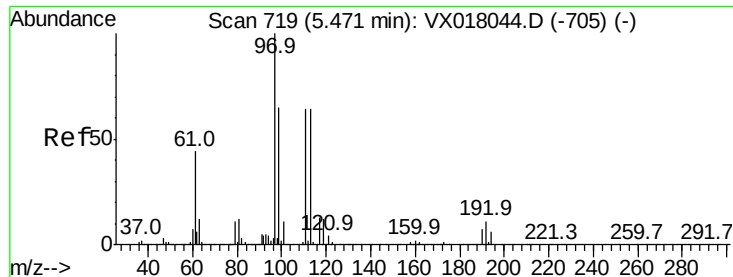
Tot Ion: 65 Resp: 374117
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018127.D
 Acq: 28 Aug 2020 17:48

Tgt Ion: 114 Resp: 882326
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.535 ug/l

RT: 5.47 min Scan# 719

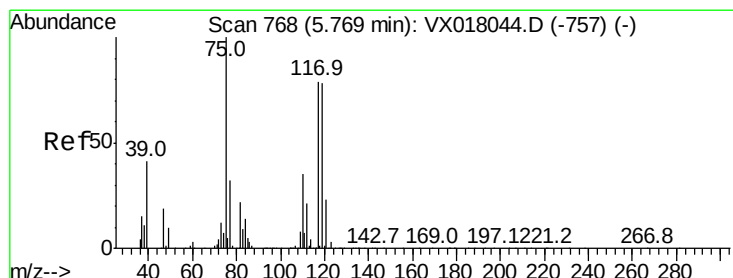
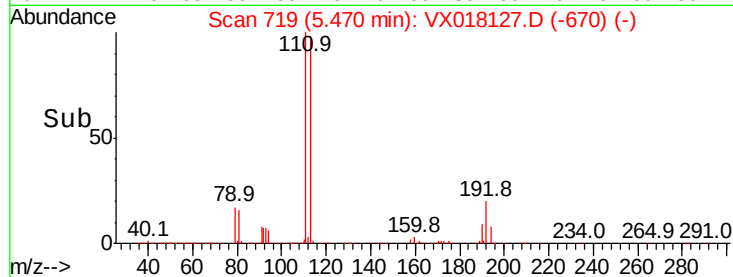
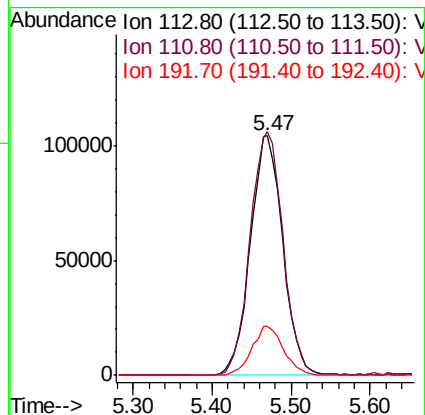
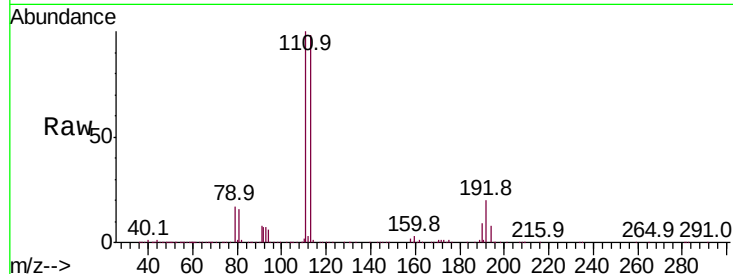
Delta R.T. -0.00 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

Tot Ion:	113	Resp:	297662
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	20.0	15.8	23.8



#36

1,1-Dichloropropene

Concen: 5.161 ug/l

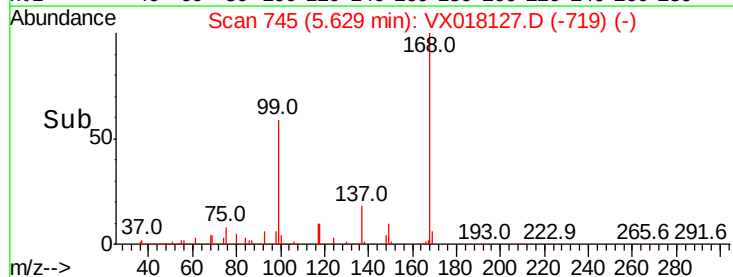
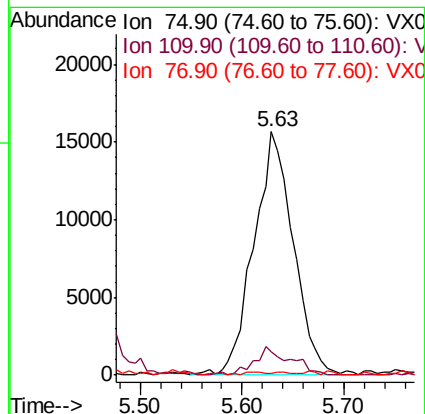
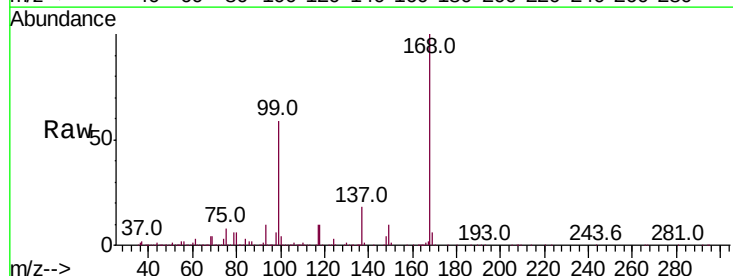
RT: 5.63 min Scan# 745

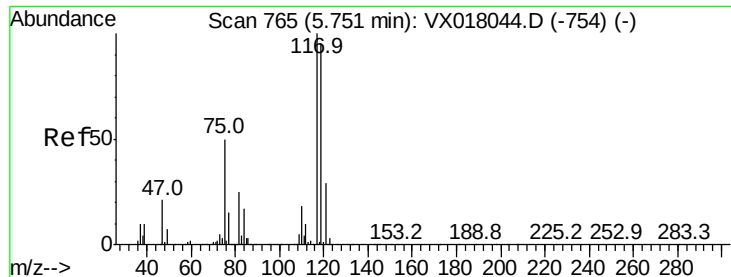
Delta R.T. -0.14 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Tgt Ion:	75	Resp:	41998
Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.0	54.0#
77	0.5	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

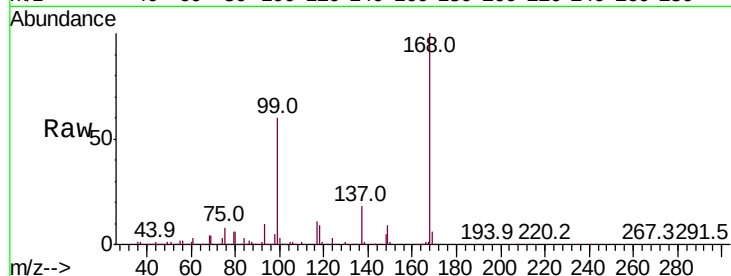
Tot Ion:117 Resp: 57099

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

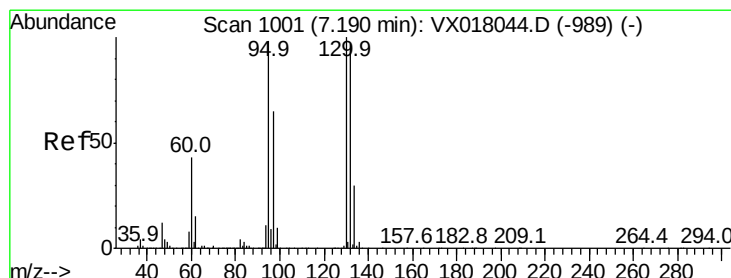
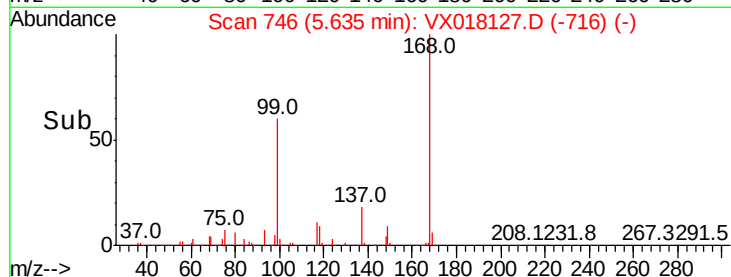
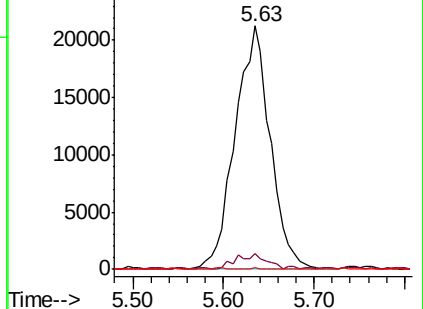
121 0.6 23.4 35.0#



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



#44

Trichloroethene

Concen: 35.795 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018127.D

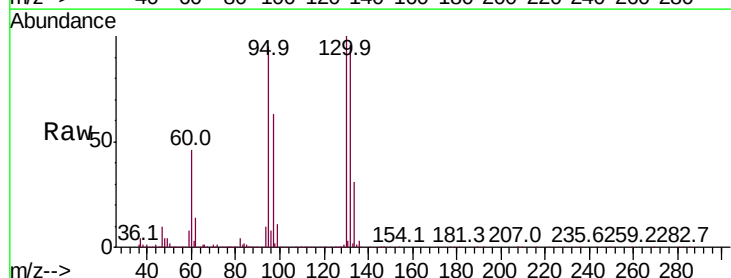
Acq: 28 Aug 2020 17:48

Tgt Ion:130 Resp: 241859

Ion Ratio Lower Upper

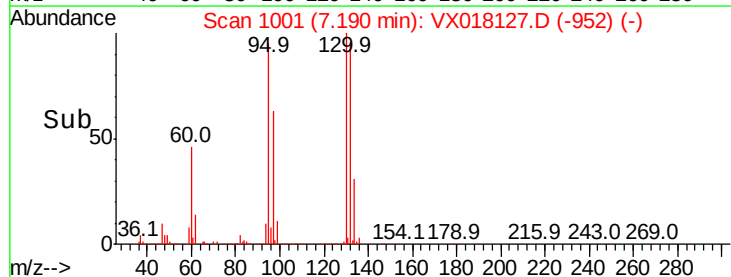
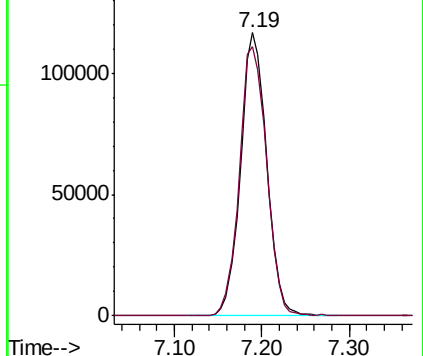
130 100

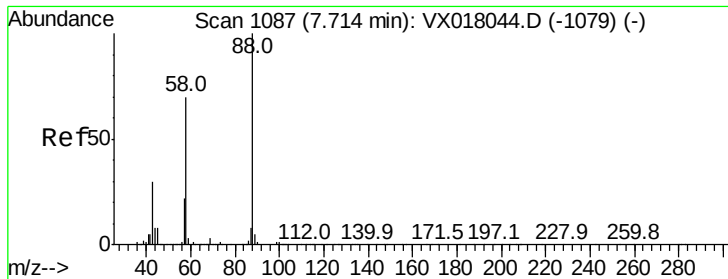
95 94.9 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

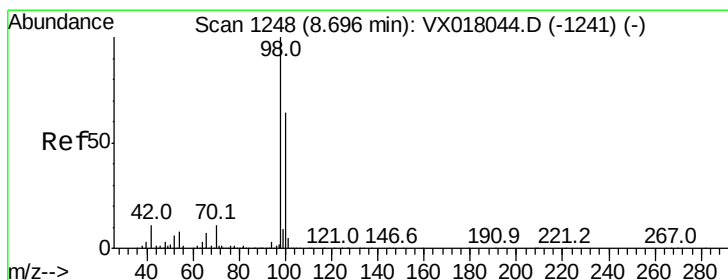
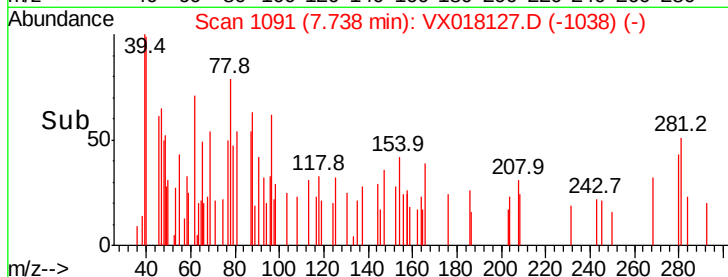
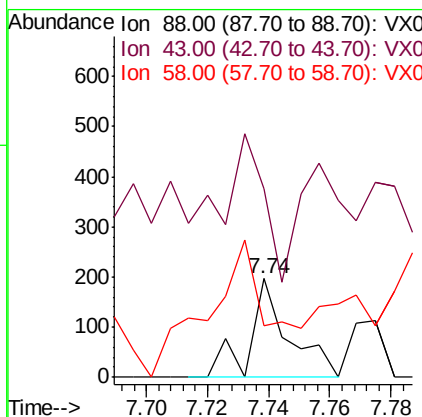
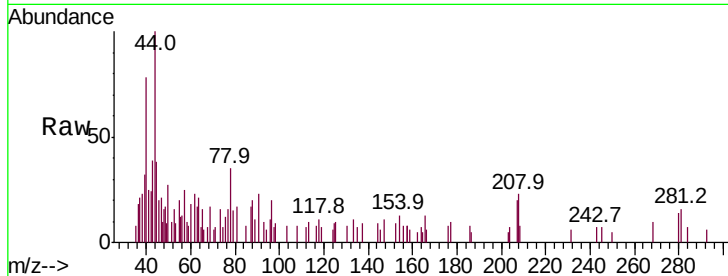




#49
1,4-Dioxane
Concen: 1.249 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

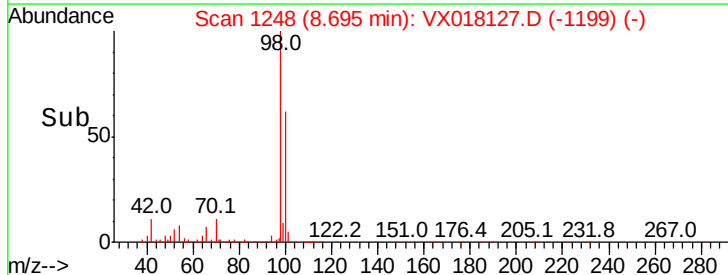
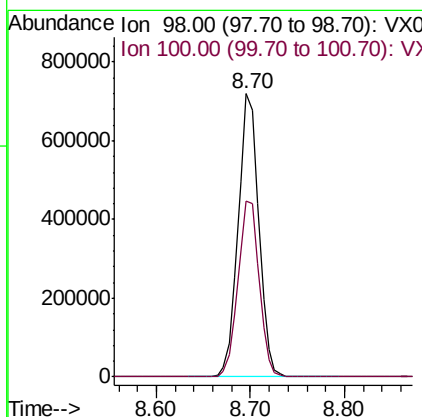
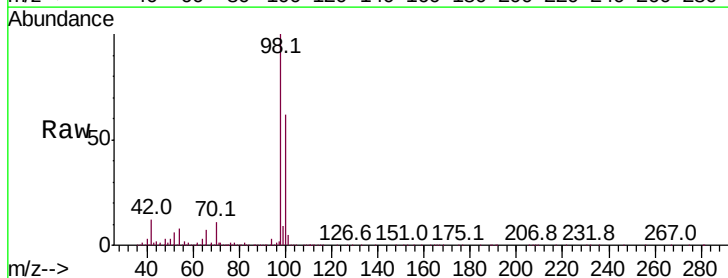
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

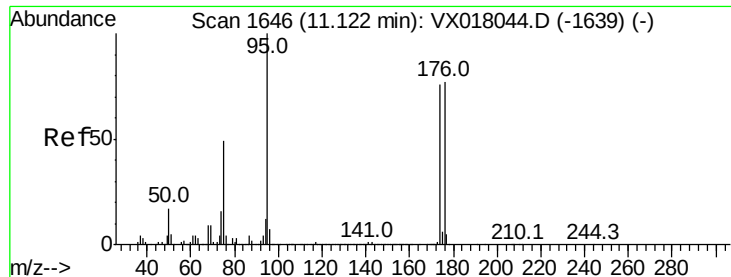
Tot Ion: 88 Resp: 172
Ion Ratio Lower Upper
88 100
43 102.3 27.4 41.0#
58 228.5 56.4 84.6#



#50
Toluene-d8
Concen: 49.032 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Tgt Ion: 98 Resp: 1097397
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

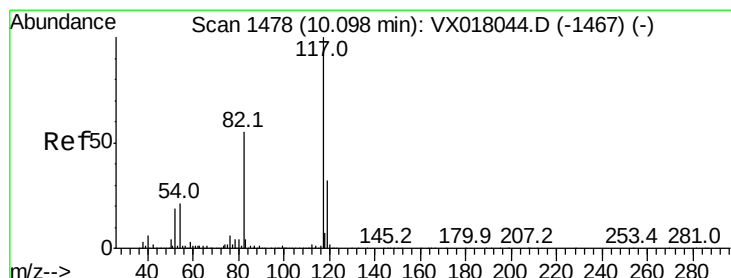
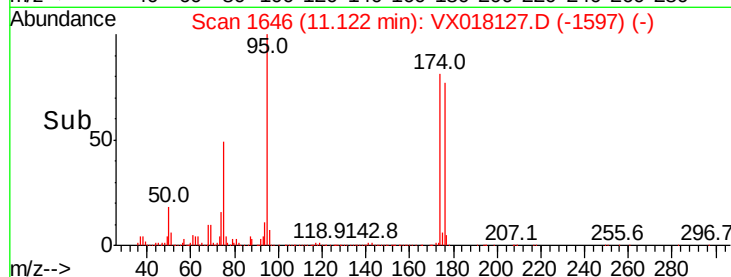
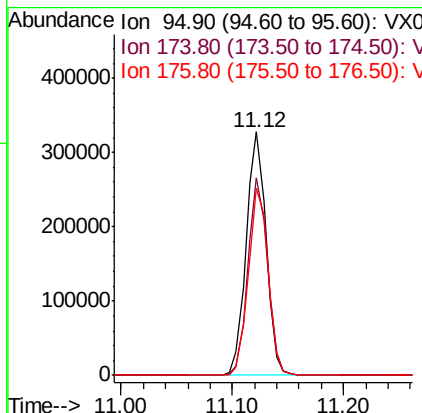
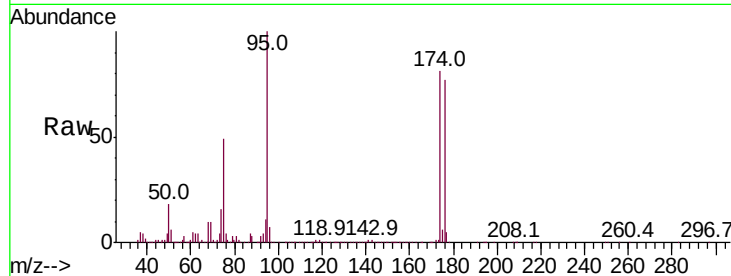




#62
4-Bromofluorobenzene
Concen: 46.073 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

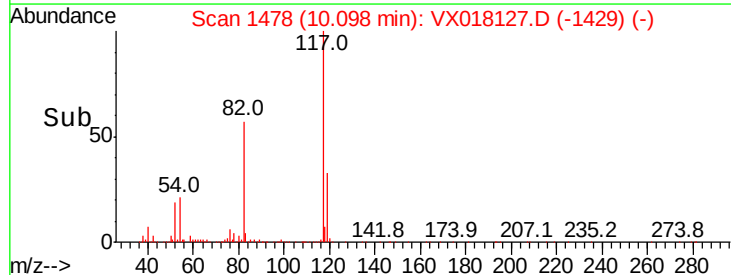
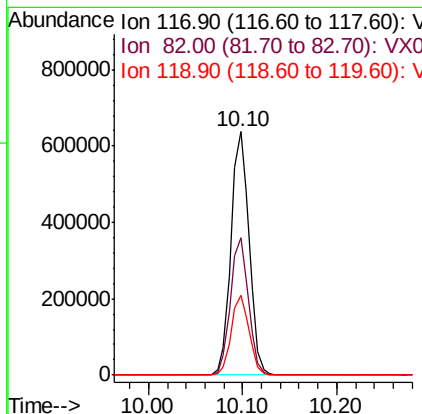
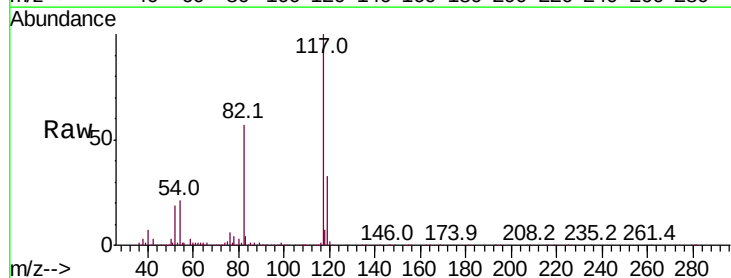
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200827

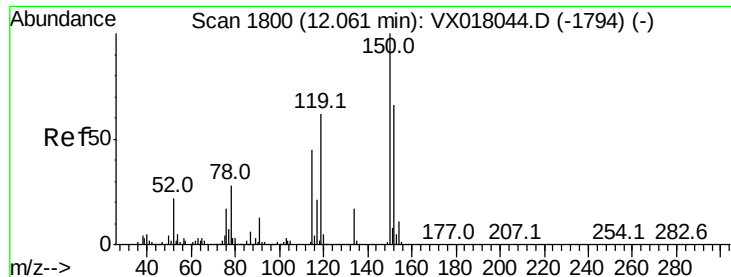
Tot Ion: 95 Resp: 405706
Ion Ratio Lower Upper
95 100
174 79.9 0.0 160.2
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018127.D
Acq: 28 Aug 2020 17:48

Tgt Ion: 117 Resp: 850981
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 32.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

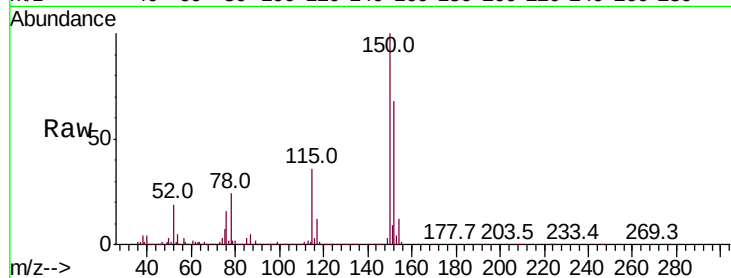
Tot Ion:152 Resp: 401315

Ion Ratio Lower Upper

152 100

115 58.8 41.5 124.5

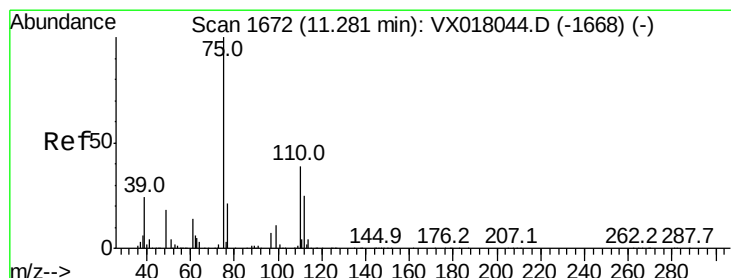
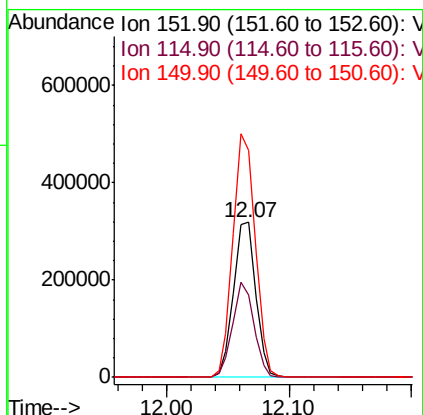
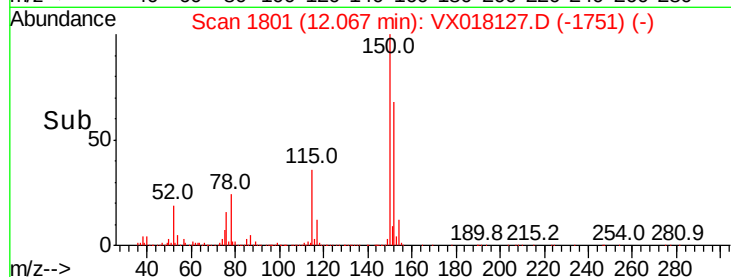
150 157.3 0.0 343.8



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: 22.729 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018127.D

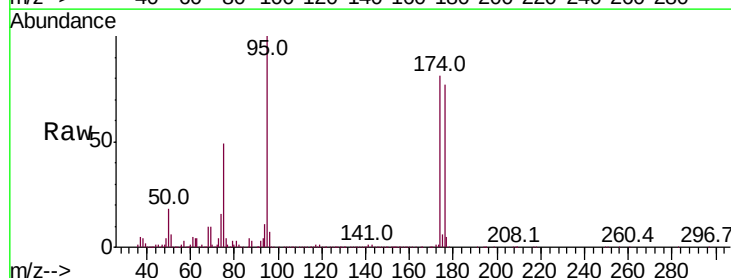
Acq: 28 Aug 2020 17:48

Tgt Ion: 75 Resp: 202915

Ion Ratio Lower Upper

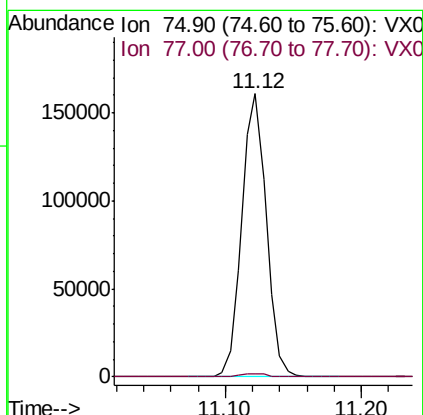
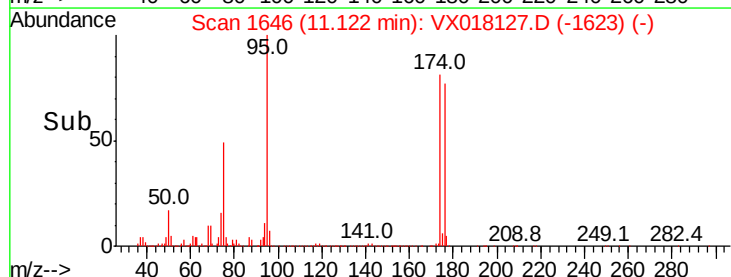
75 100

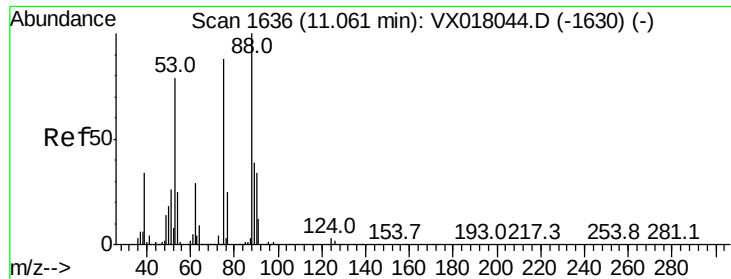
77 1.6 20.8 62.2#



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: 61.388 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018127.D

Acq: 28 Aug 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200827

Tot Ion: 75 Resp: 202915

Ion Ratio Lower Upper

75 100

53 0.7 74.7 112.1#

89 0.2 36.6 54.8#

