

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091620\
 Data File : VX018445.D
 Acq On : 16 Sep 2020 17:13
 Operator : JC/SP
 Sample : L3988-28
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ182I-20200909

Quant Time: Sep 17 04:22:03 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	416001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	664823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	640860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	319815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	302894	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	5.47	113	238390	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	8.70	98	817735	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.12	95	304637	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

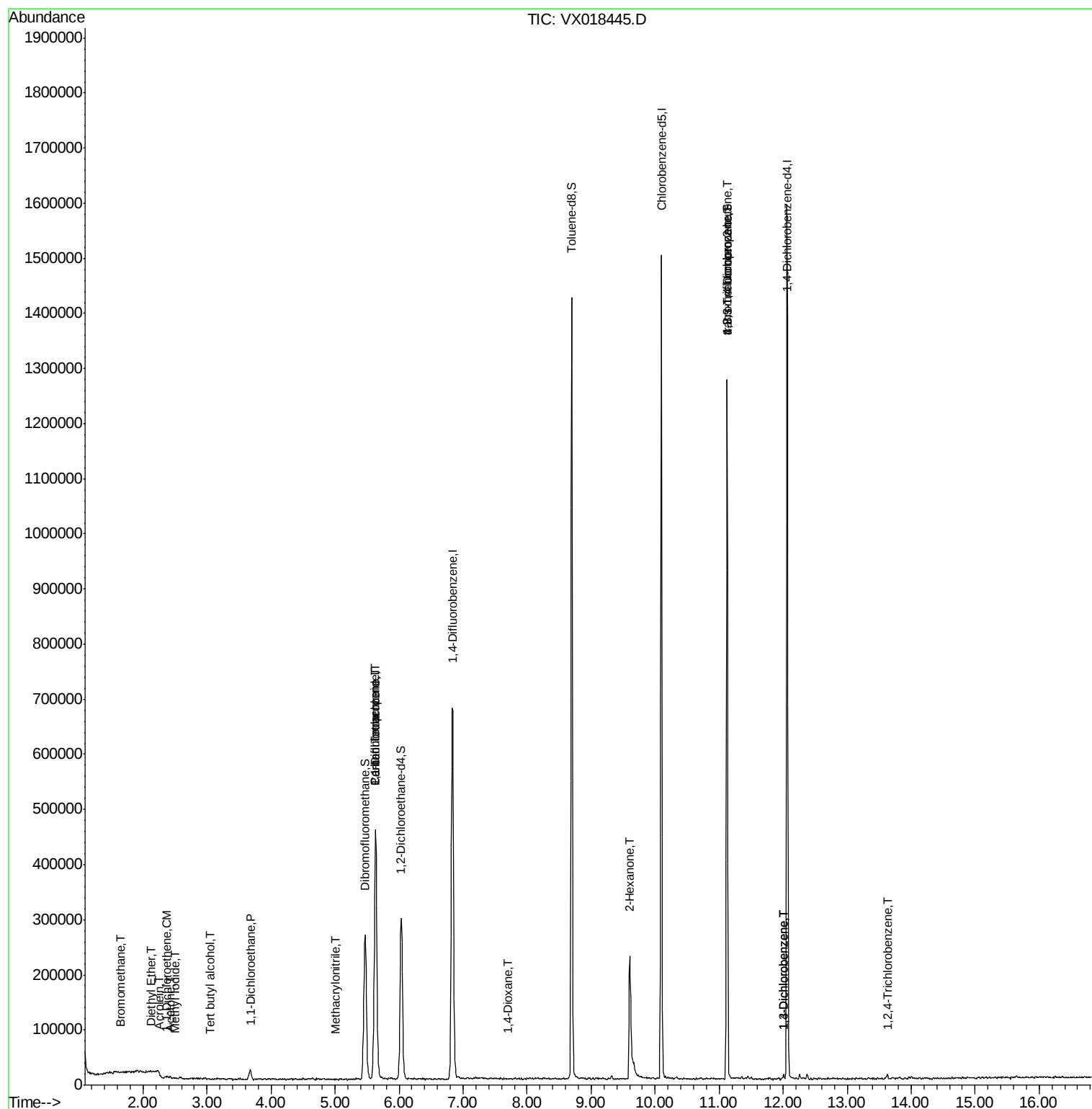
						Qvalue
5) Bromomethane	1.65	94	825	0.322	ug/l #	3
8) Diethyl Ether	2.11	74	505	0.205	ug/l	84
10) Methyl Iodide	2.50	142	134	5.315	ug/l #	38
11) Tert butyl alcohol	3.04	59	454	0.404	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1645	0.405	ug/l	94
13) Acrolein	2.26	56	538	1.155	ug/l #	21
16) Acetone	2.42	43	2396	1.065	ug/l #	88
20) Methylene Chloride	2.84	84	875	Below Cal	#	51
24) 1,1-Dichloroethane	3.67	63	19524	2.379	ug/l	94
36) 1,1-Dichloropropene	5.62	75	32406	5.285	ug/l #	53
38) Carbon Tetrachloride	5.64	117	43137	6.242	ug/l #	17
41) Methacrylonitrile	5.01	41	798	0.204	ug/l #	73
49) 1,4-Dioxane	7.70	88	152	1.465	ug/l #	1
59) 2-Hexanone	9.60	43	68702	12.715	ug/l #	37
76) 1,2,3-Trichloropropane	11.12	75	159842	22.467	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	159842	60.681	ug/l #	12
87) 1,3-Dichlorobenzene	12.01	146	2644	0.258	ug/l	92
88) 1,4-Dichlorobenzene	12.01	146	2644	0.258	ug/l	93
93) 1,2,4-Trichlorobenzene	13.62	180	1986	0.309	ug/l	97

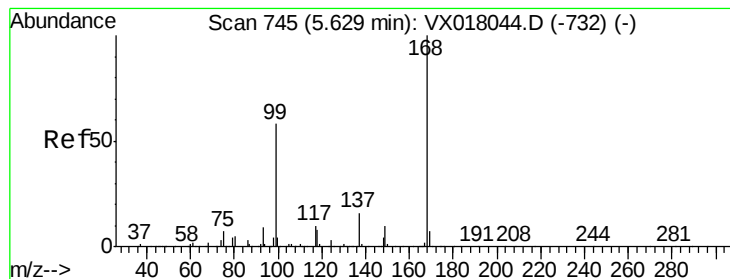
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 745

Delta R.T. -0.00 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

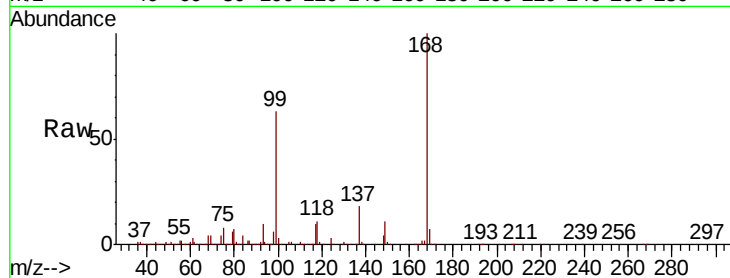
SA-PZ182I-20200909

Tot Ion:168 Resp: 416001

Ion Ratio Lower Upper

168 100

99 62.9 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

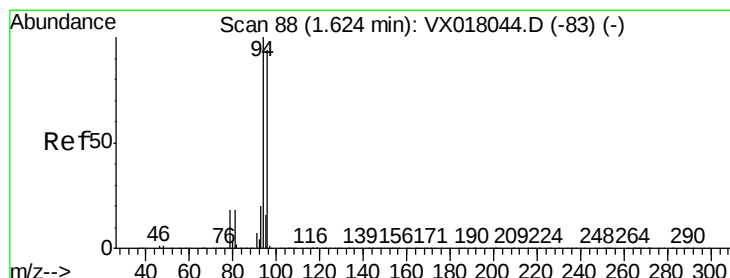
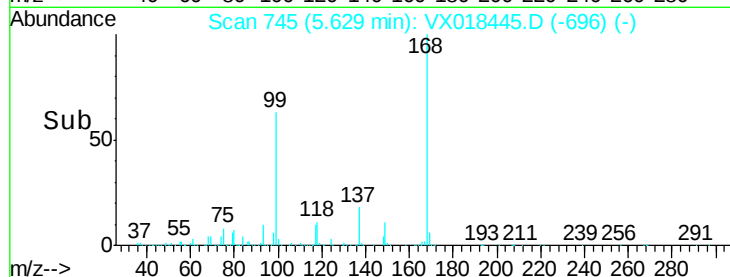
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.322 ug/l

RT: 1.65 min Scan# 93

Delta R.T. 0.03 min

Lab File: VX018445.D

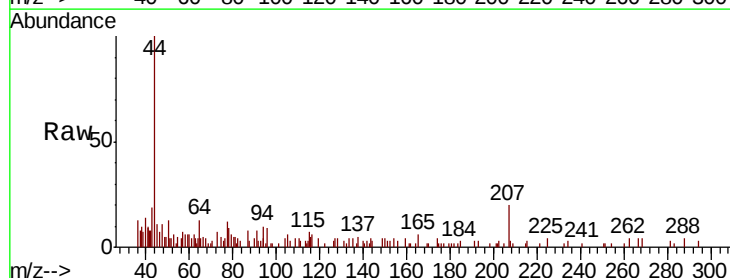
Acq: 16 Sep 2020 17:13

Tgt Ion: 94 Resp: 825

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

300

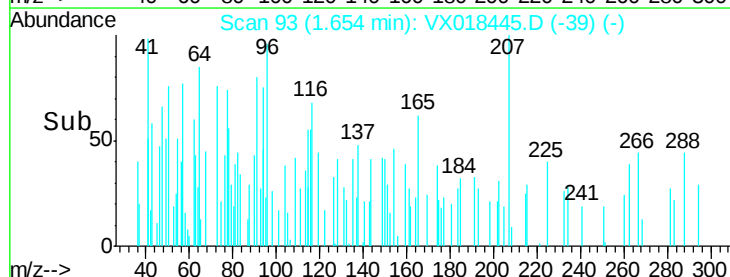
200

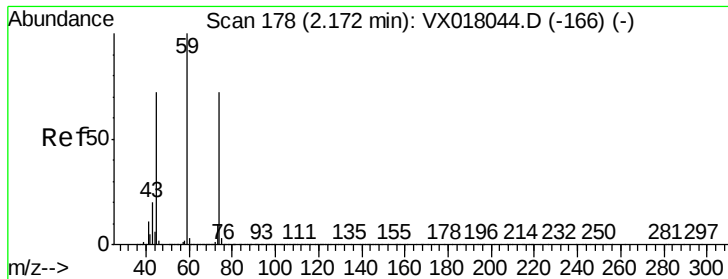
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.205 ug/l

RT: 2.11 min Scan# 168

Delta R.T. -0.06 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

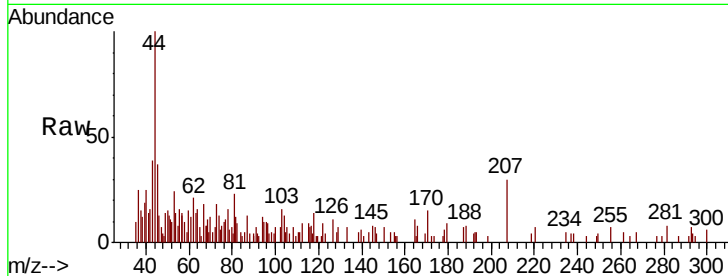
SA-PZ182I-20200909

Tot Ion: 74 Resp: 505

Ion Ratio Lower Upper

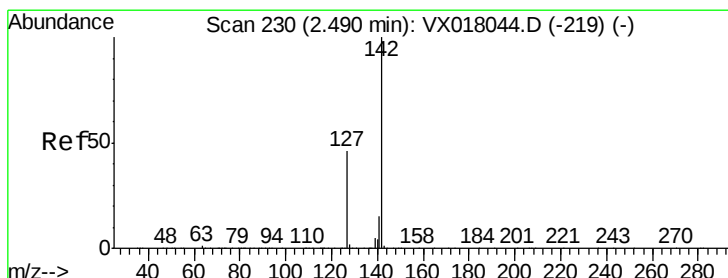
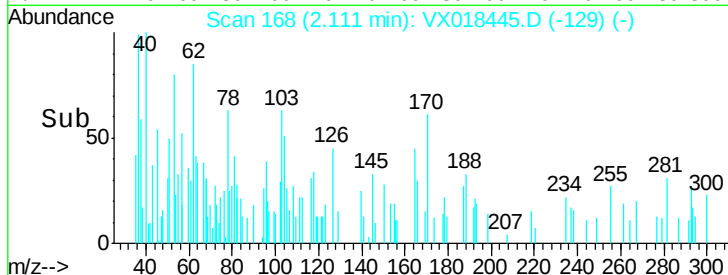
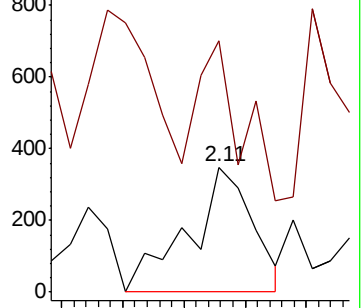
74 100

45 85.1 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.315 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

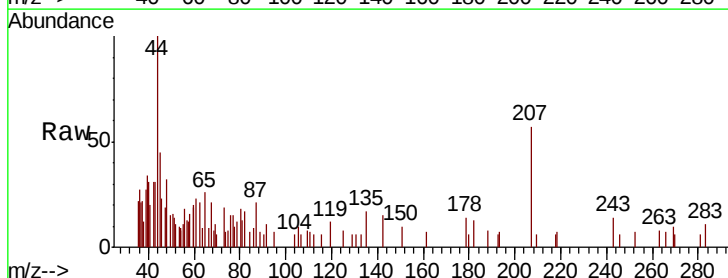
Tgt Ion: 142 Resp: 134

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

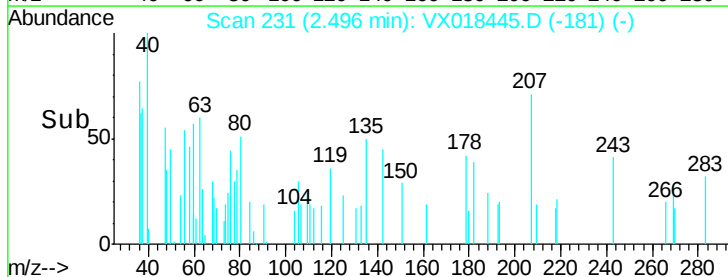
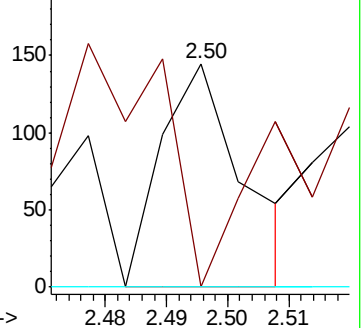
141 0.0 11.5 17.3#

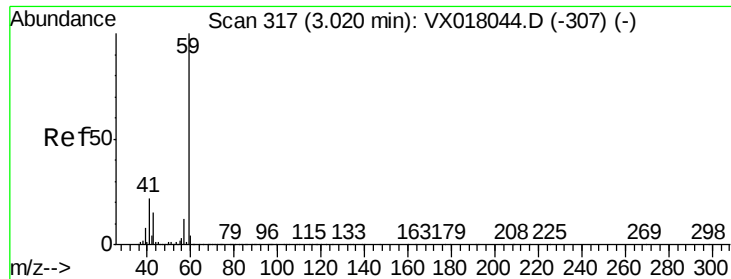


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

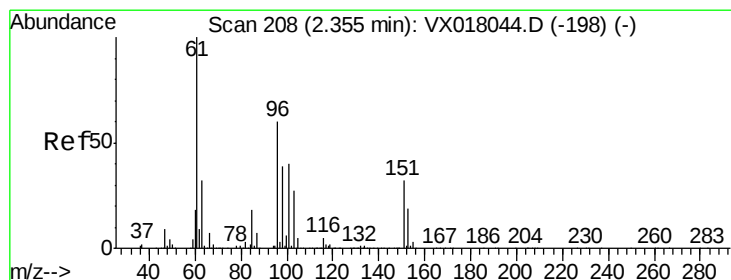
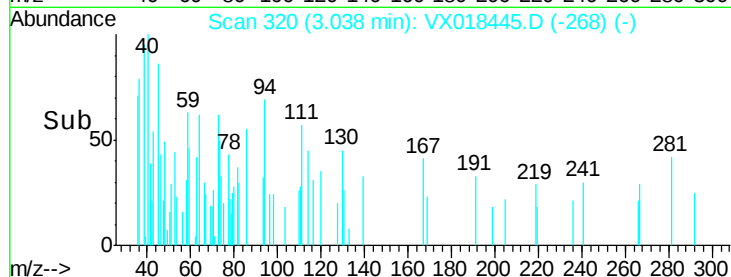
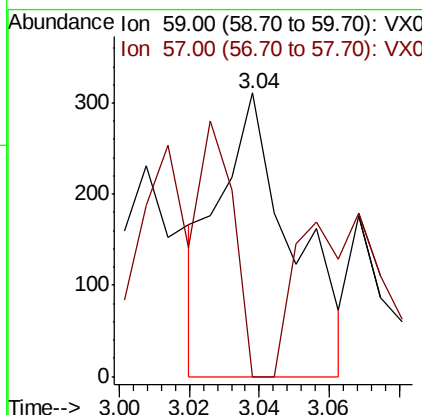
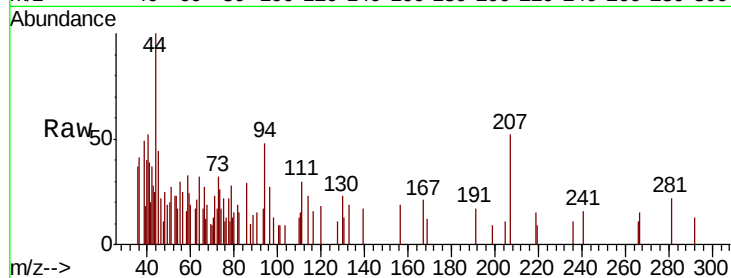




#11
Tert butyl alcohol
Concen: 0.404 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

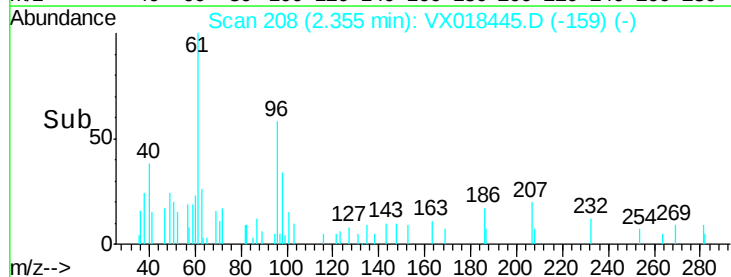
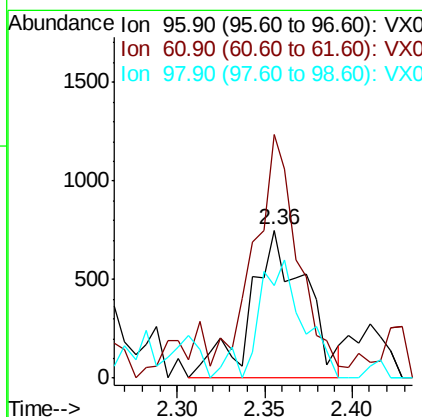
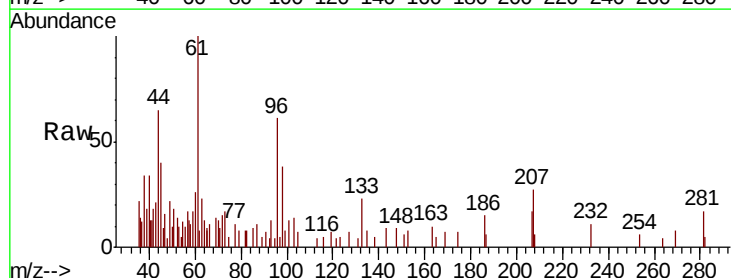
Instrument :
MSVOA_X
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SA-PZ182I-20200909

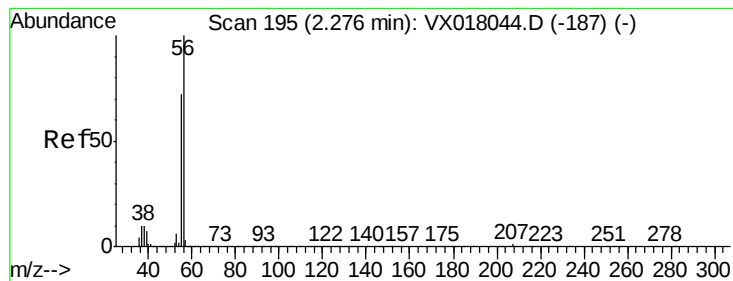
Tot Ion: 59 Resp: 454
Ion Ratio Lower Upper
59 100
57 70.9 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 0.405 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

Tgt Ion: 96 Resp: 1645
Ion Ratio Lower Upper
96 100
61 156.6 133.0 199.4
98 63.0 51.6 77.4





#13

Acrolein

Concen: 1.155 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

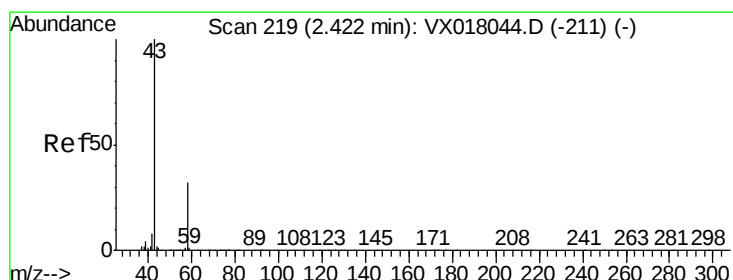
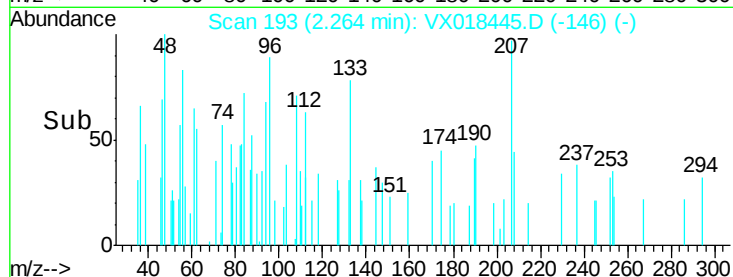
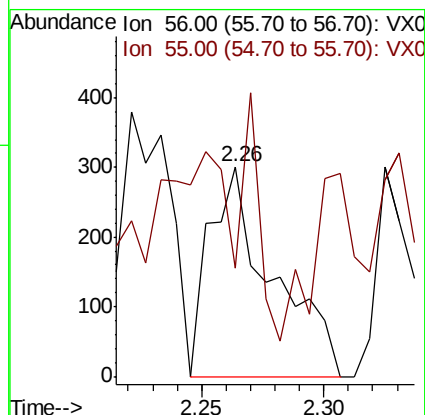
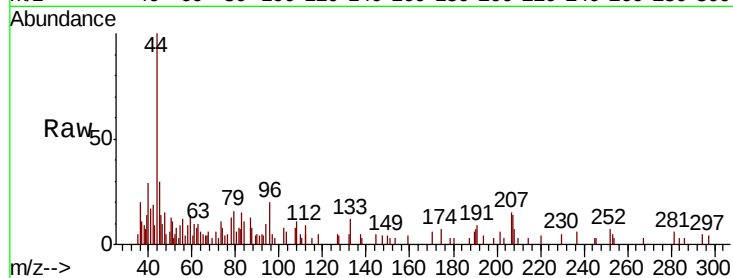
SA-PZ182I-20200909

Tot Ion: 56 Resp: 538

Ion Ratio Lower Upper

56 100

55 136.4 57.0 85.6#



#16

Acetone

Concen: 1.065 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018445.D

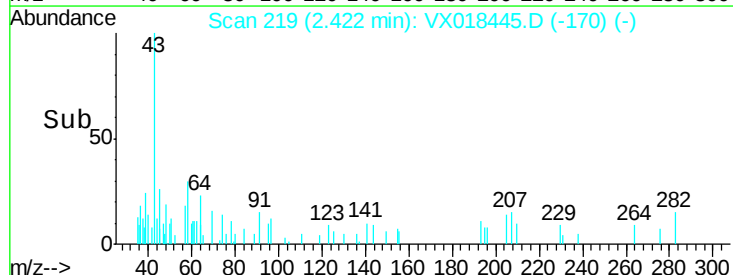
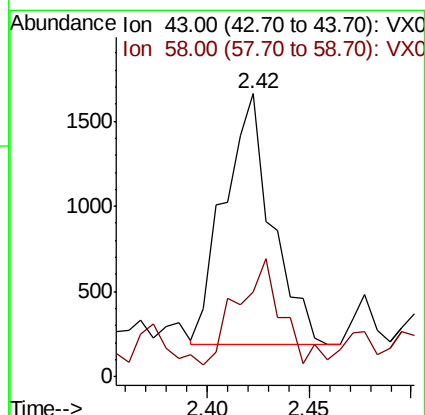
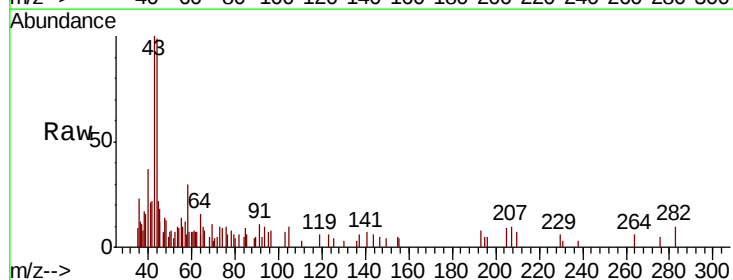
Acq: 16 Sep 2020 17:13

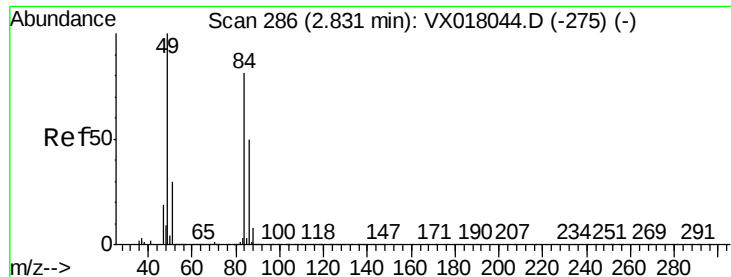
Tgt Ion: 43 Resp: 2396

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#

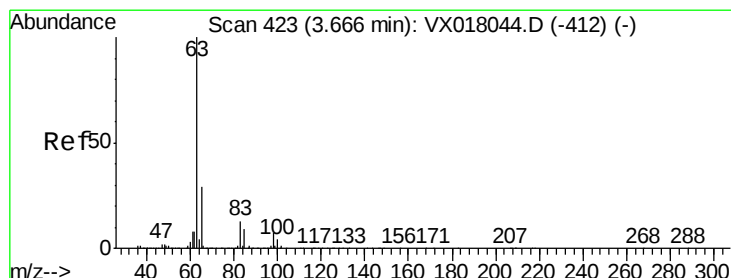
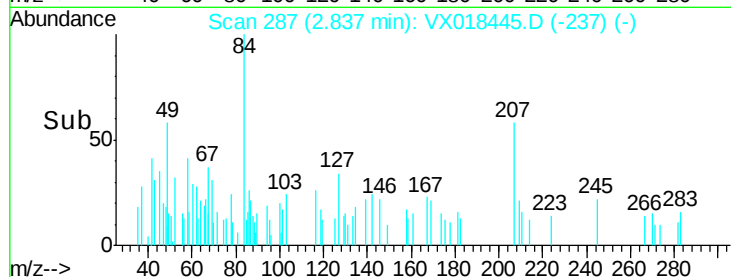
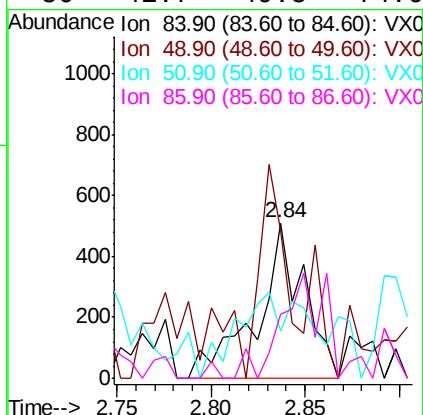
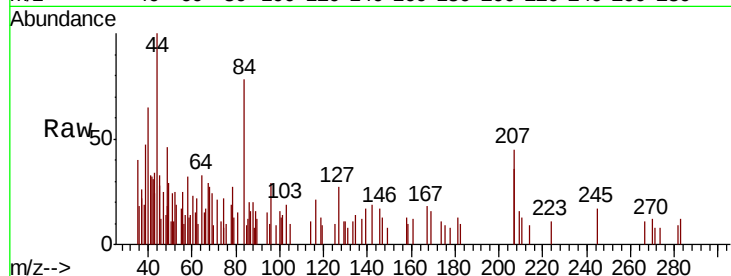




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

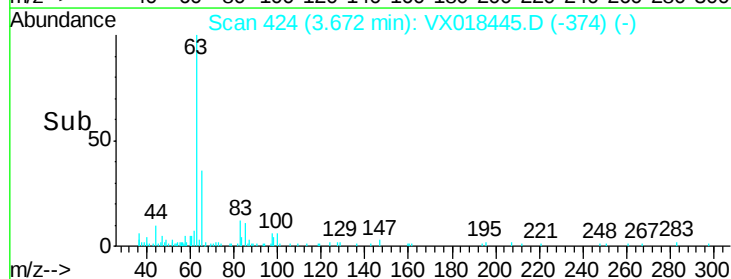
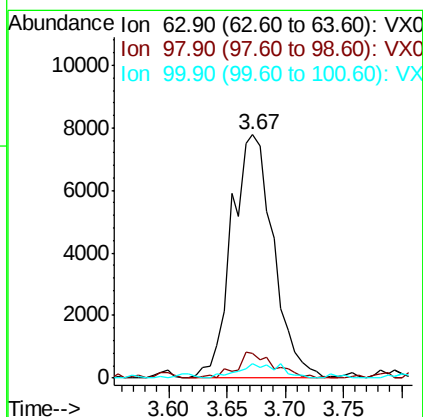
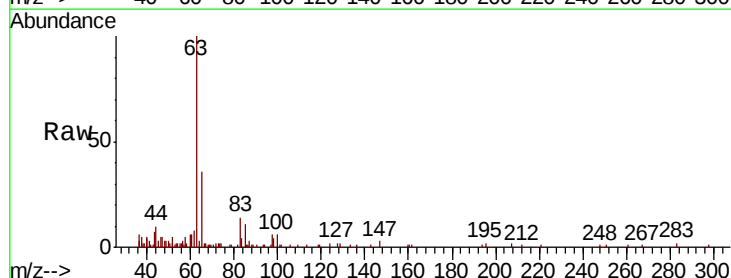
Instrument :
MSVOA_X
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SA-PZ182I-20200909

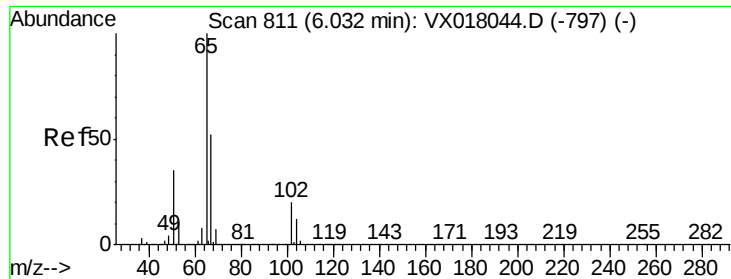
Tot Ion: 84 Resp: 875
Ion Ratio Lower Upper
84 100
49 58.0 98.6 148.0#
51 4.5 29.6 44.4#
86 41.7 49.8 74.6#



#24
1,1-Dichloroethane
Concen: 2.379 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

Tgt Ion: 63 Resp: 19524
Ion Ratio Lower Upper
63 100
98 10.0 3.6 10.8
100 5.1 2.0 6.0





#33

1,2-Dichloroethane-d4

Concen: 52.448 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

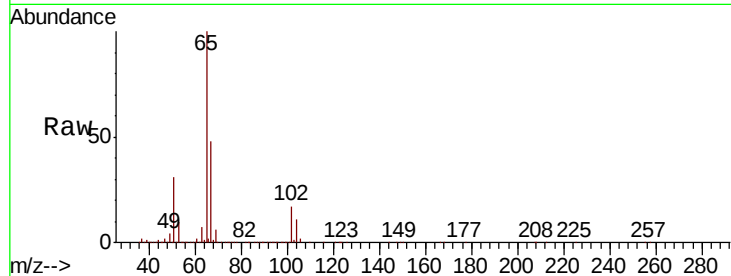
SA-PZ182I-20200909

Tot Ion: 65 Resp: 302894

Ion Ratio Lower Upper

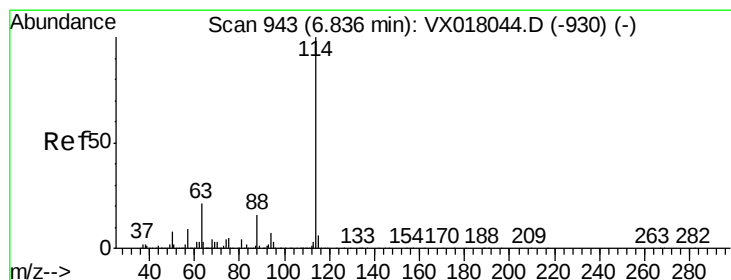
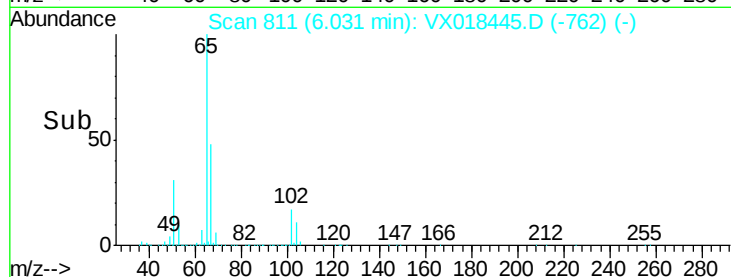
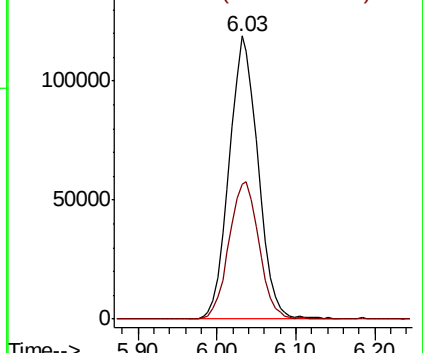
65 100

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: VX018445.D

Acq: 16 Sep 2020 17:13

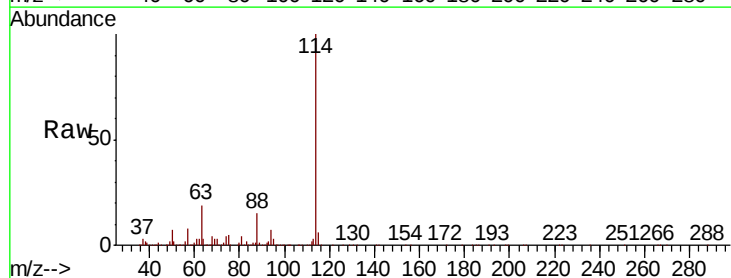
Tgt Ion: 114 Resp: 664823

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

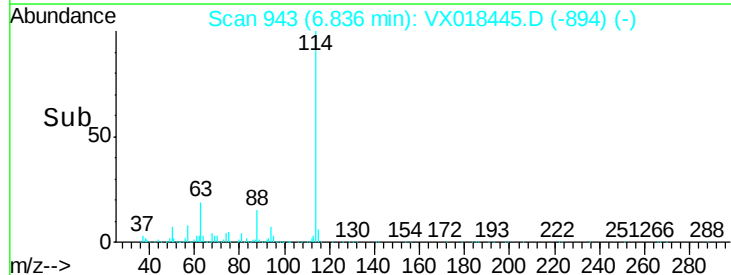
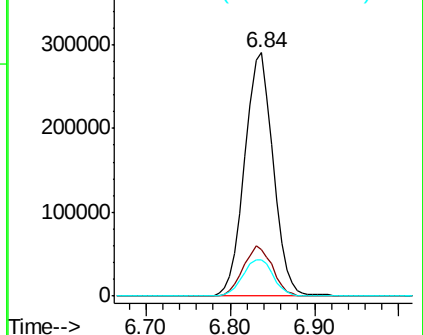
88 14.9 0.0 31.8

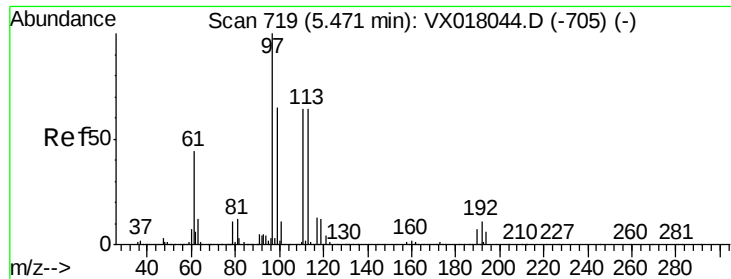


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

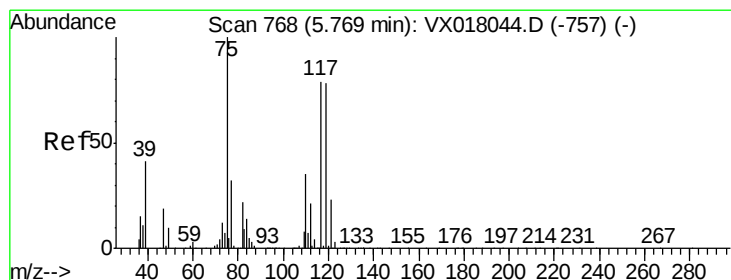
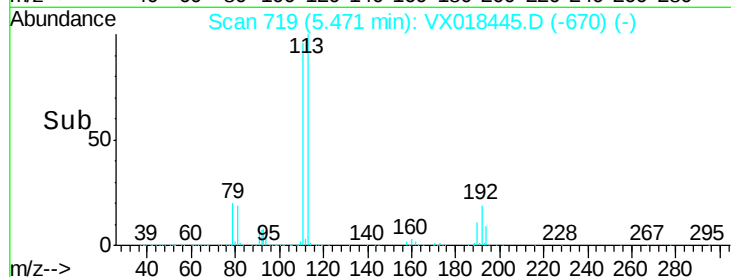
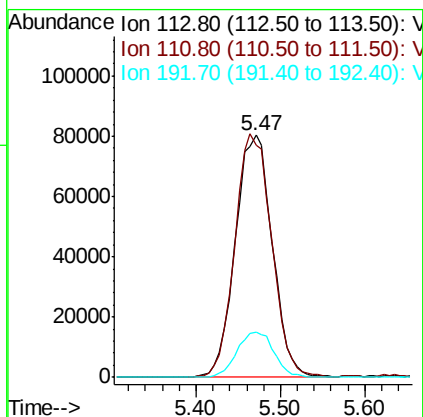
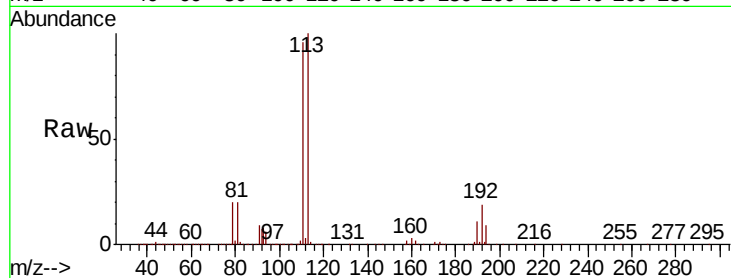




#35
 Dibromofluoromethane
 Concen: 52.651 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018445.D
 Acq: 16 Sep 2020 17:13

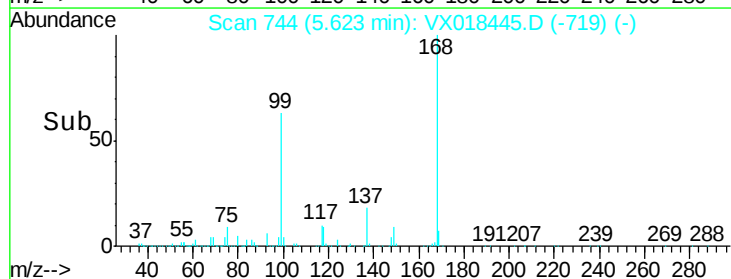
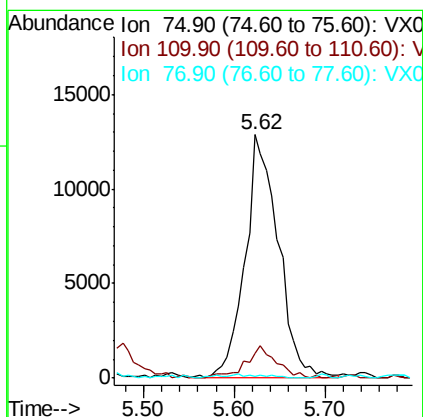
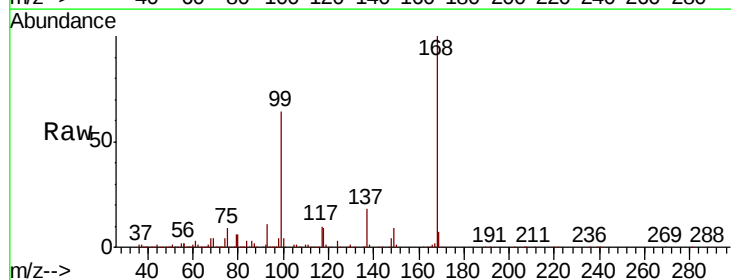
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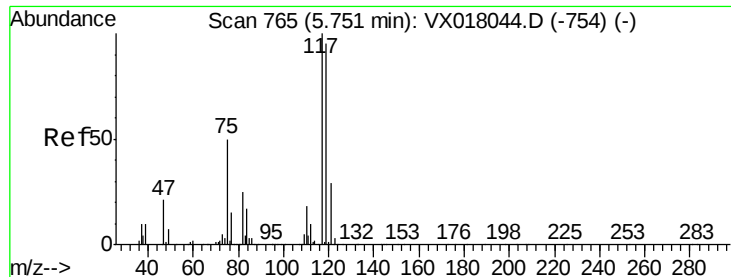
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.6	122.4
192	18.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.285 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018445.D
 Acq: 16 Sep 2020 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	18.0	54.0#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.242 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ182I-20200909

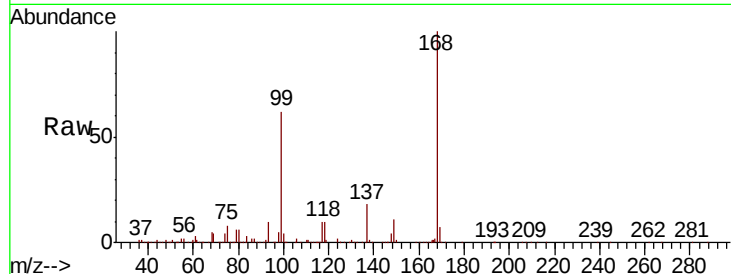
Tot Ion:117 Resp: 43137

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

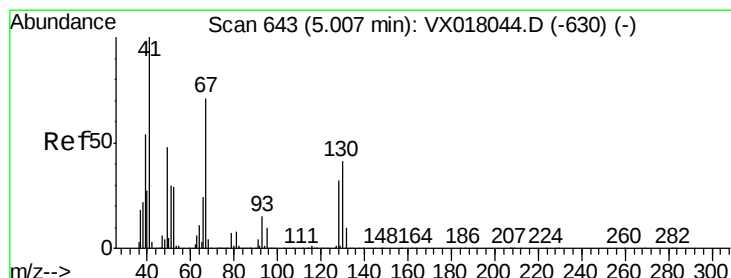
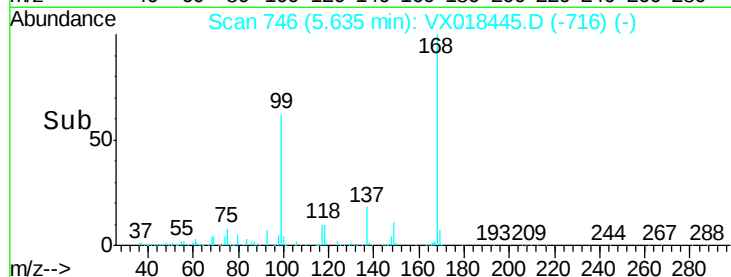
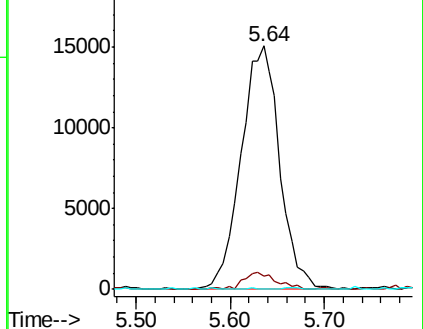
121 0.0 23.4 35.0#



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



#41

Methacrylonitrile

Concen: 0.204 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Tgt Ion: 41 Resp: 798

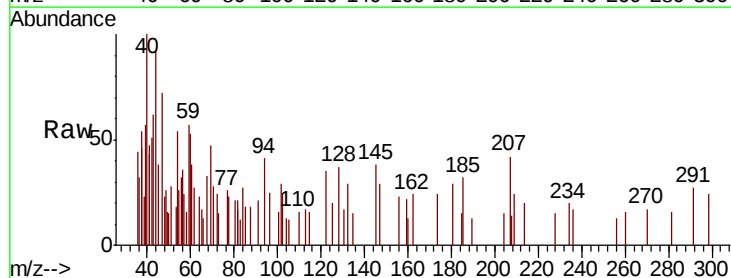
Ion Ratio Lower Upper

41 100

39 29.3 43.1 64.7#

67 53.0 56.0 84.0#

52 13.8 22.7 34.1#

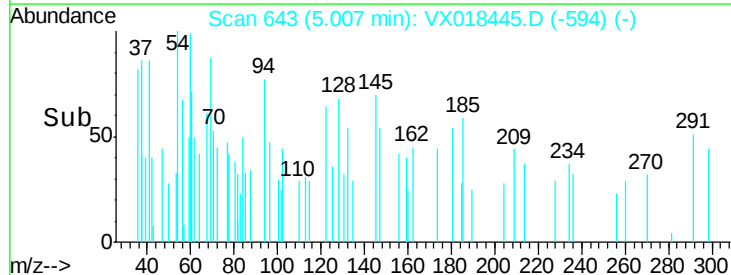
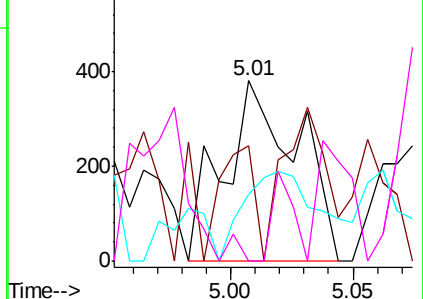


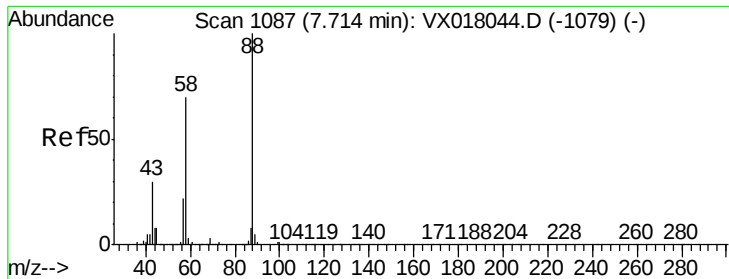
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

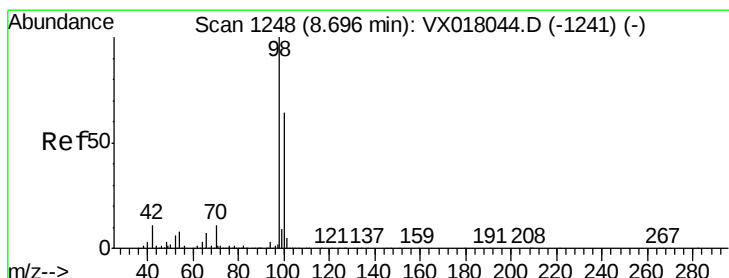
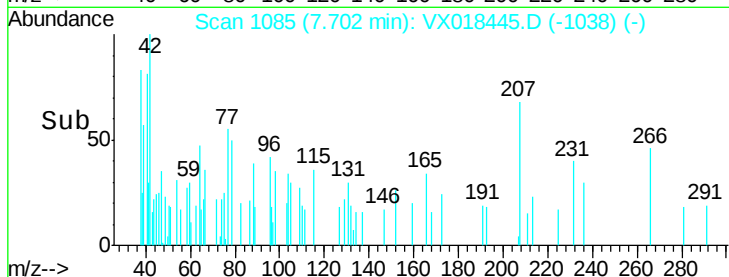
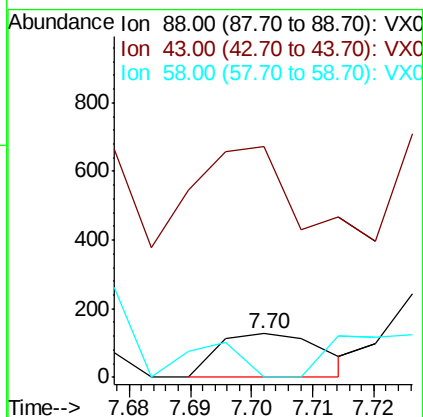
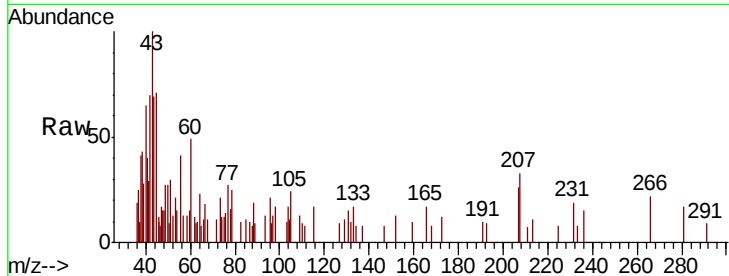




#49
1,4-Dioxane
Concen: 1.465 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

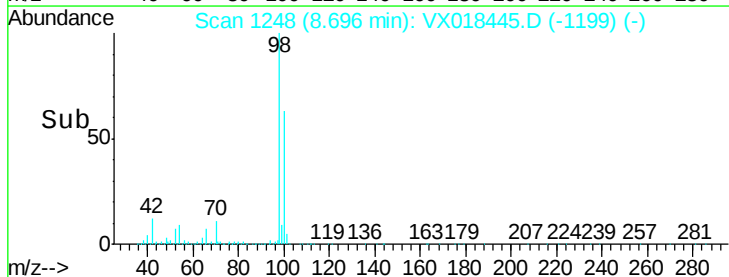
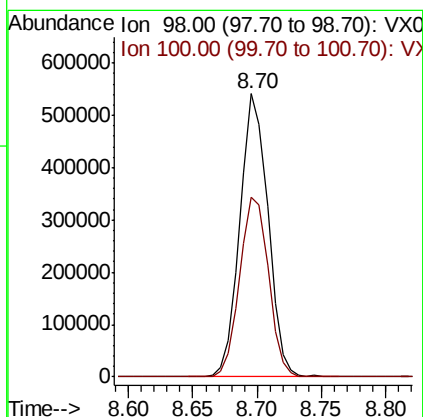
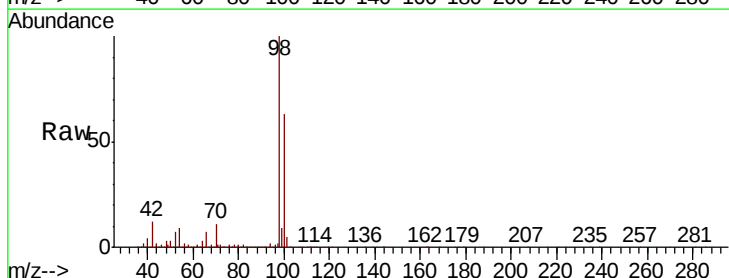
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ182I-20200909

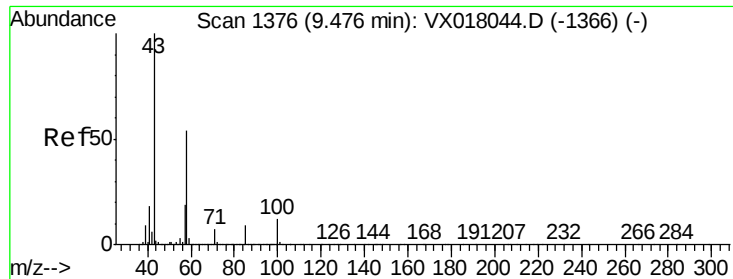
Tot Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 217.1 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 48.490 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

Tgt Ion: 98 Resp: 817735
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

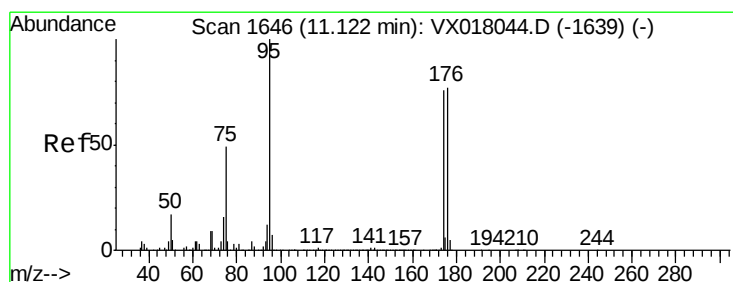
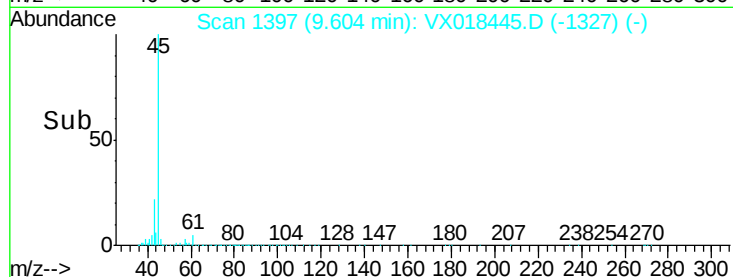
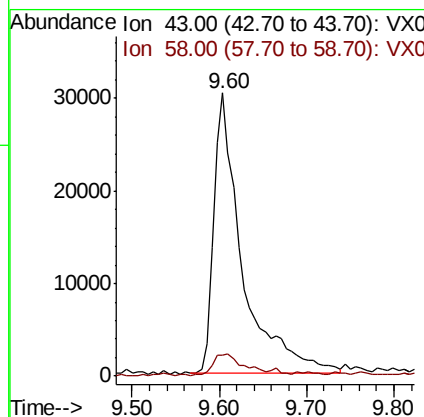
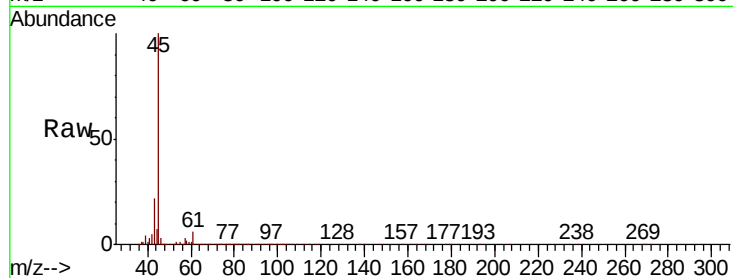




#59
2-Hexanone
Concen: 12.715 ug/l
RT: 9.60 min Scan# 1397
Delta R.T. 0.13 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

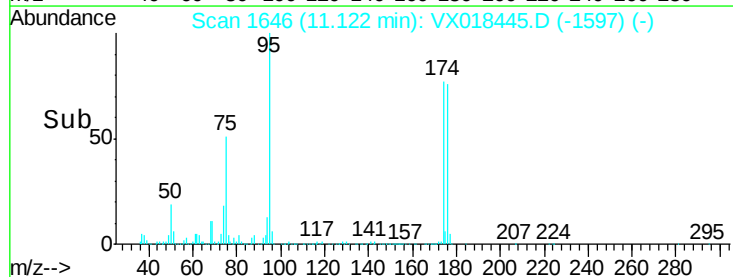
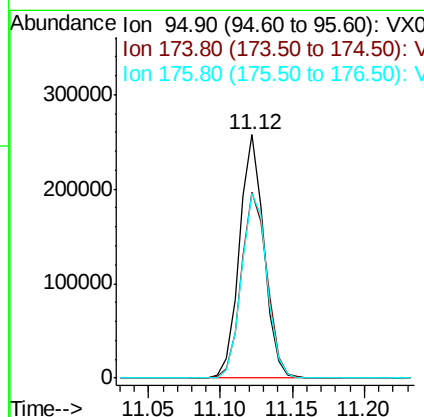
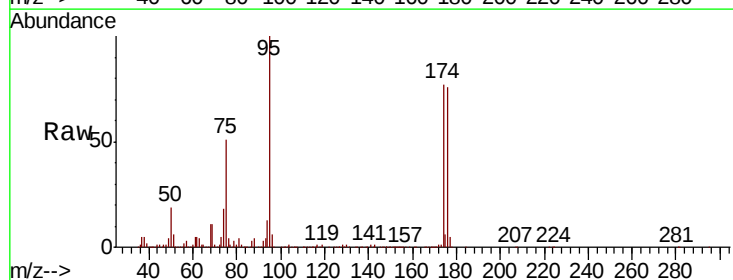
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ182I-20200909

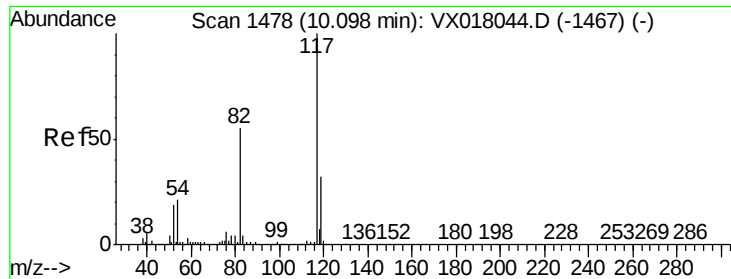
Tot Ion: 43 Resp: 68702
Ion Ratio Lower Upper
43 100
58 8.5 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 45.914 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

Tgt Ion: 95 Resp: 304637
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.2
176 78.6 0.0 155.8

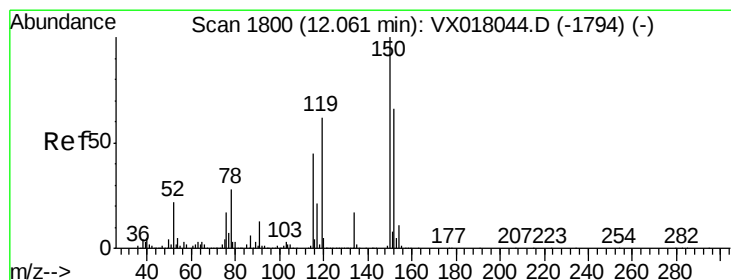
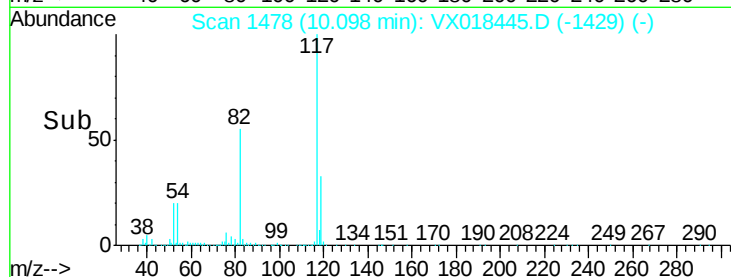
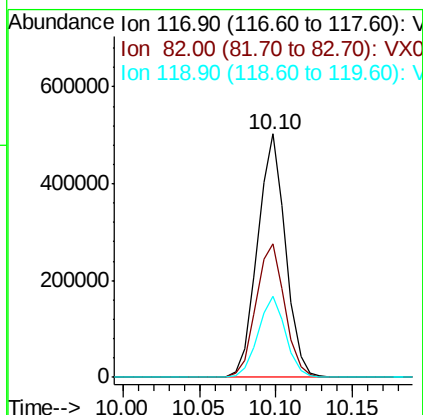
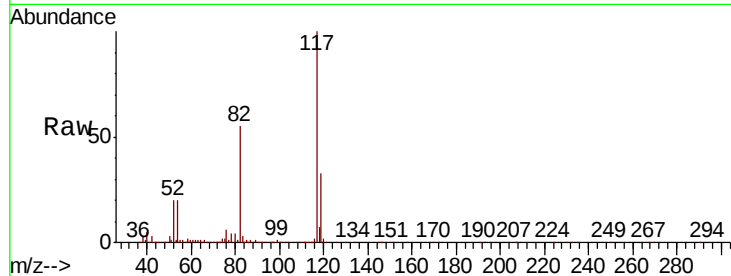




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

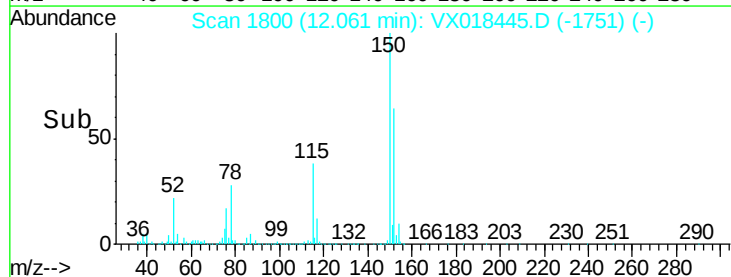
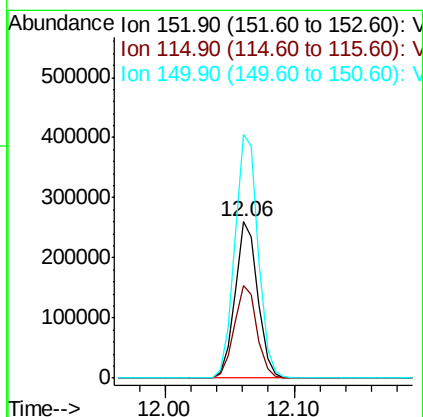
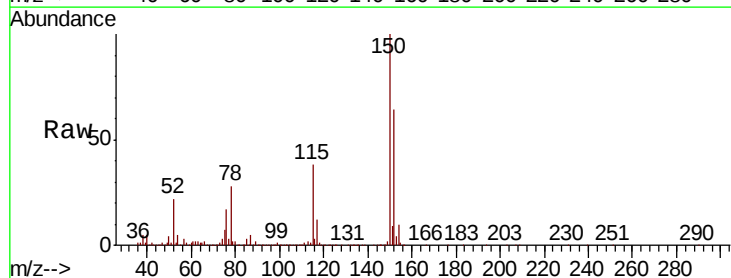
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ182I-20200909

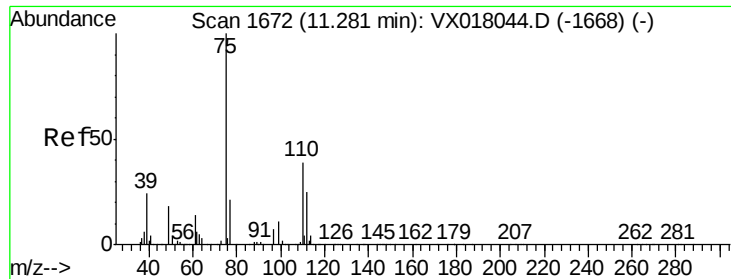
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.2	66.2
119	33.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018445.D
Acq: 16 Sep 2020 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.5	124.5
150	159.7	0.0	343.8

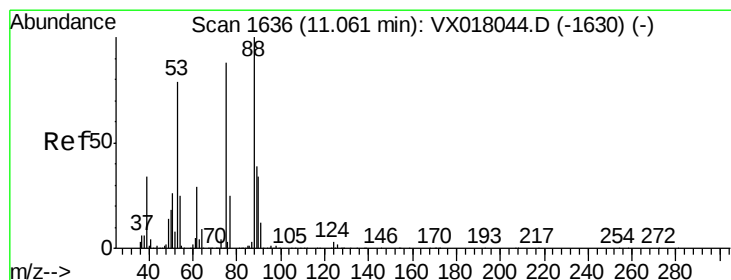
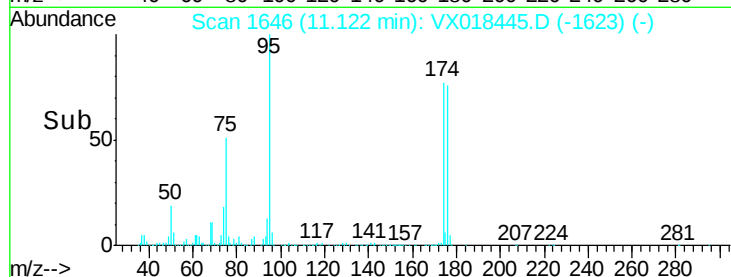
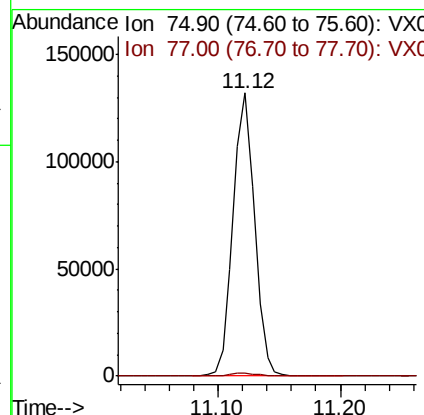
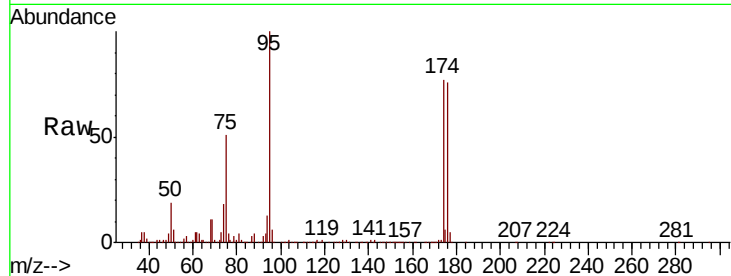




#76
 1,2,3-Trichloropropane
 Concen: 22.467 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018445.D
 Acq: 16 Sep 2020 17:13

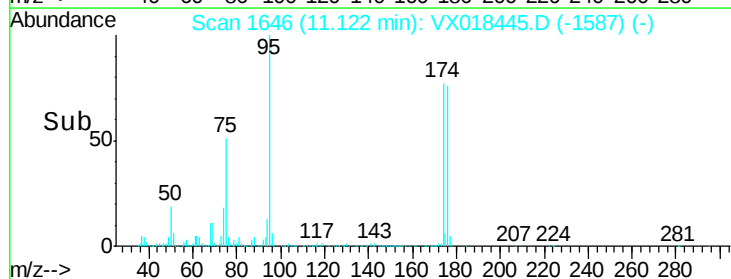
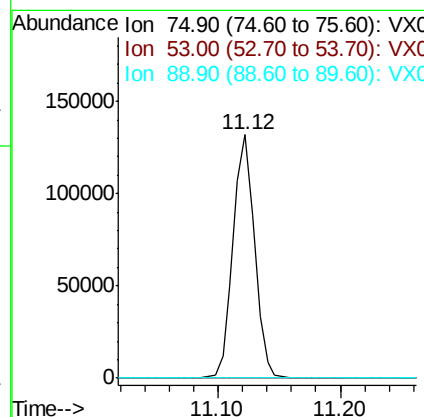
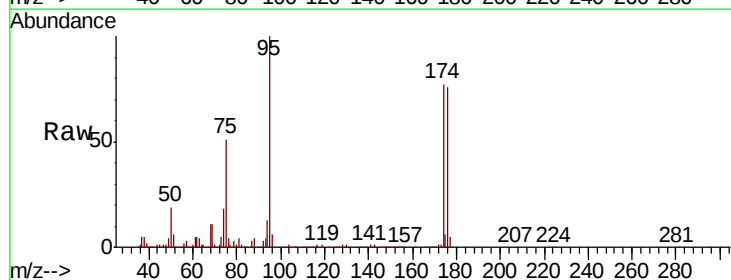
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ182I-20200909

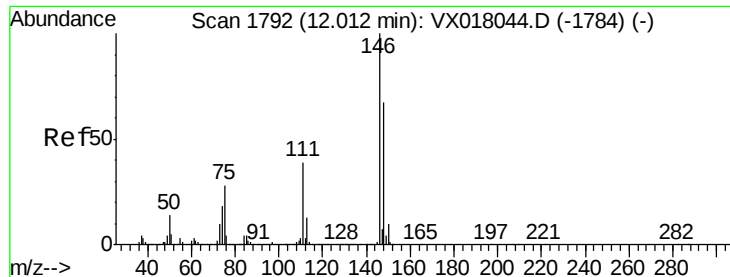
Tot Ion: 75 Resp: 159842
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.681 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018445.D
 Acq: 16 Sep 2020 17:13

Tgt Ion: 75 Resp: 159842
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.1 36.6 54.8#





#87

1,3-Dichlorobenzene

Concen: 0.258 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

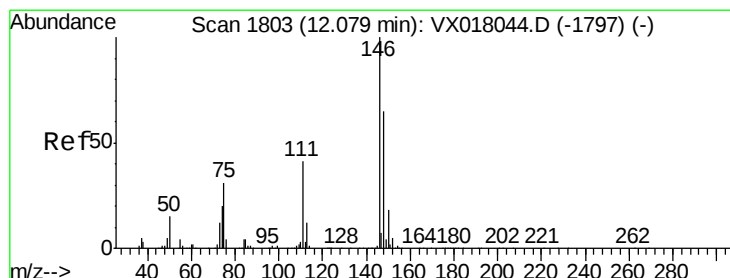
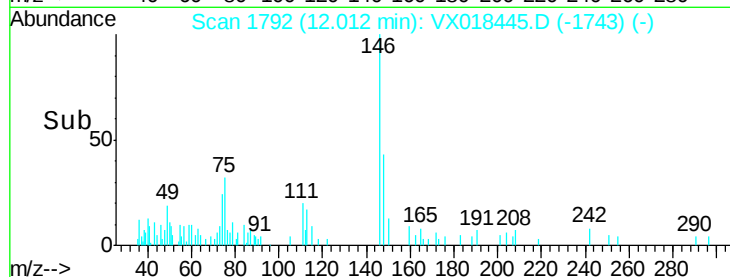
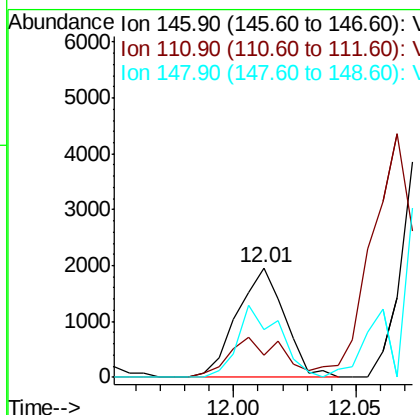
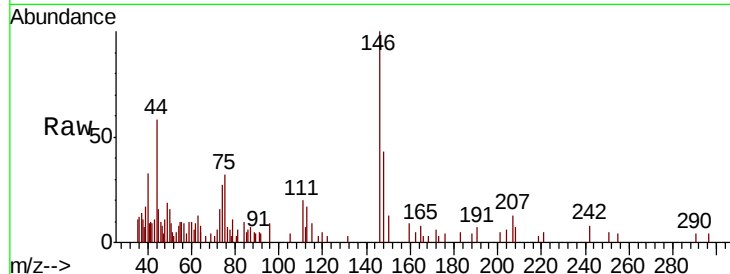
Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ182I-20200909

Tot Ion:146 Resp: 2644

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.8
148	57.0	33.1	99.2



#88

1,4-Dichlorobenzene

Concen: 0.258 ug/l

RT: 12.01 min Scan# 1792

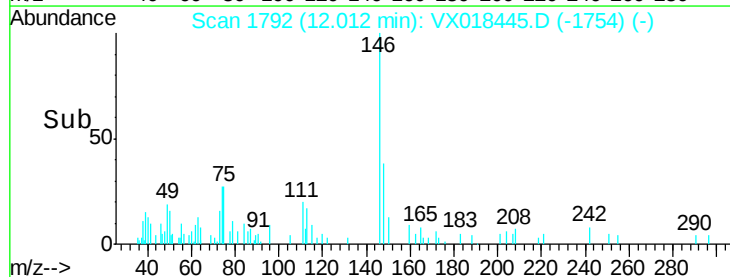
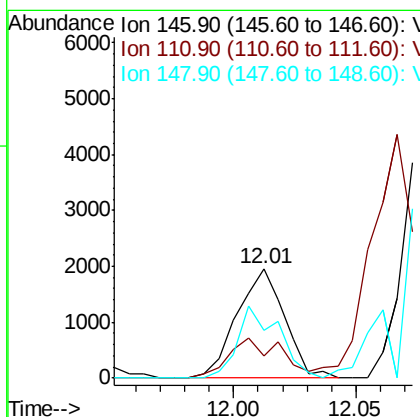
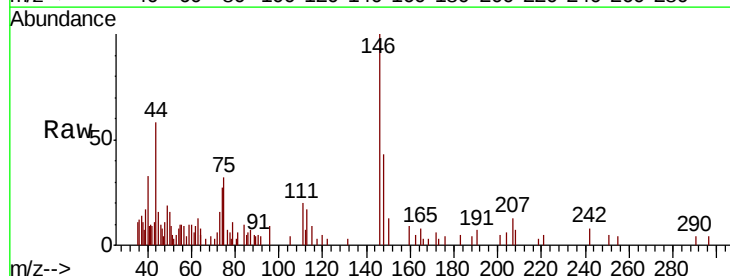
Delta R.T. -0.07 min

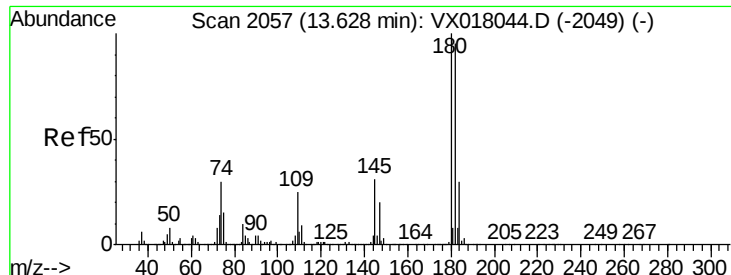
Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Tgt Ion:146 Resp: 2644

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	57.0	33.1	99.2





#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

RT: 13.62 min Scan# 2056

Delta R.T. -0.01 min

Lab File: VX018445.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ182I-20200909

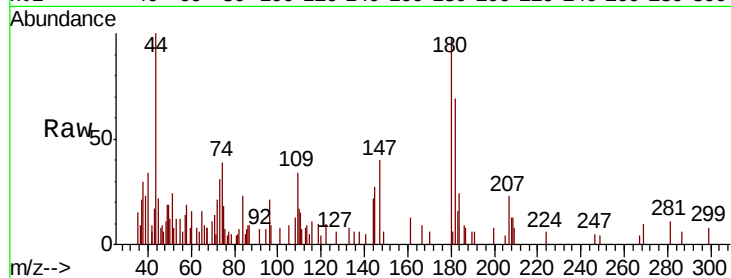
Tot Ion:180 Resp: 1986

Ion Ratio Lower Upper

180 100

182 98.5 47.5 142.6

145 30.6 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

