

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092420\
 Data File : VX018581.D
 Acq On : 24 Sep 2020 18:31
 Operator : JC/SP
 Sample : L4118-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20200921

Quant Time: Sep 25 01:09:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	431248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	705306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	684916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	342935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	317892	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	5.47	113	248001	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.70	98	873114	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.12	95	324457	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

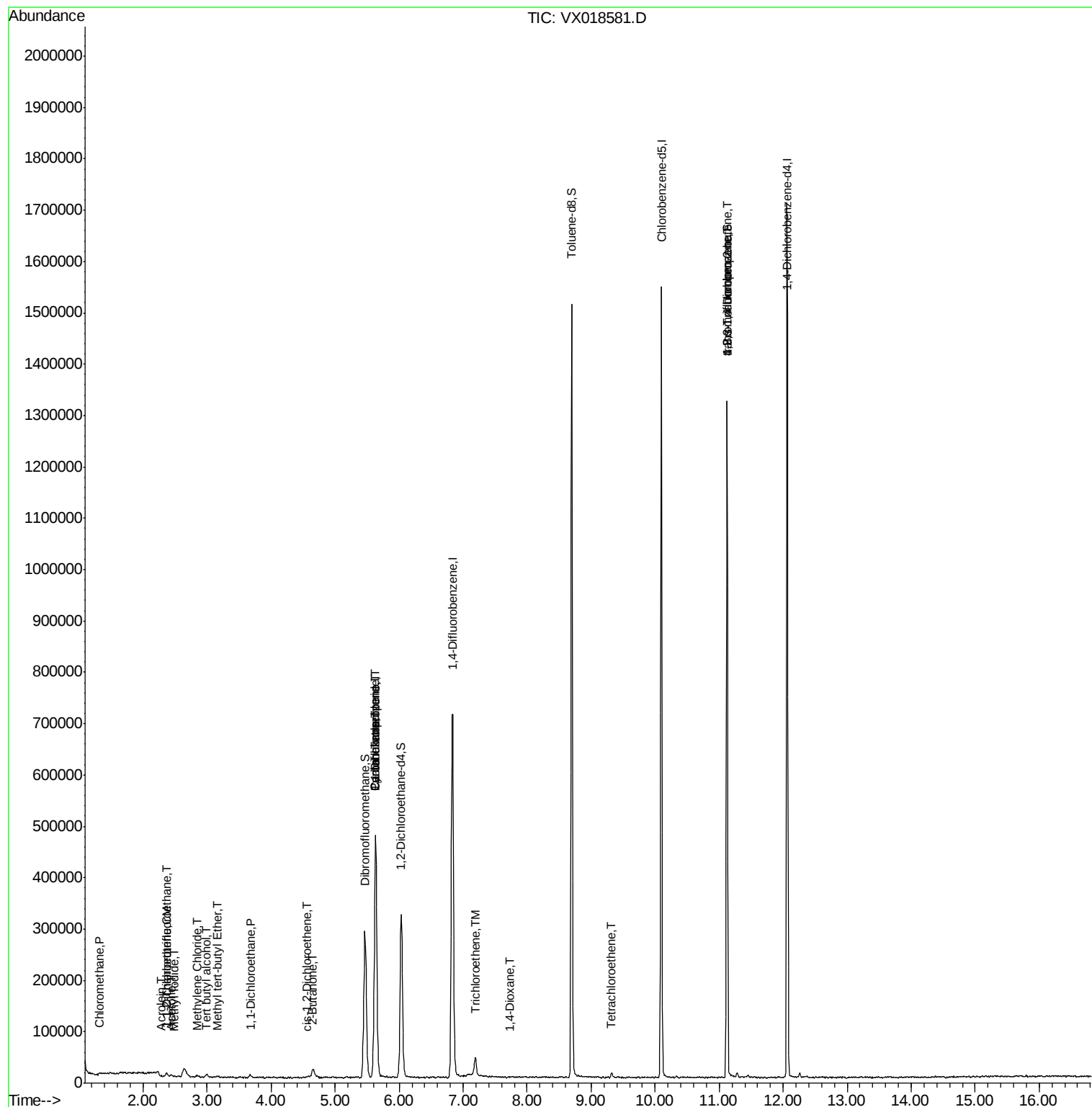
						Qvalue
3) Chloromethane	1.31	50	1901	0.397	ug/l #	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2251	0.543	ug/l	88
10) Methyl Iodide	2.49	142	290	4.965	ug/l #	54
11) Tert butyl alcohol	2.98	59	4223	3.978	ug/l #	79
12) 1,1-Dichloroethene	2.36	96	1567	0.375	ug/l #	75
13) Acrolein	2.29	56	143	0.213	ug/l #	66
16) Acetone	2.43	43	4915	2.107	ug/l	90
19) Methyl tert-butyl Ether	3.16	73	3198	0.218	ug/l	95
20) Methylene Chloride	2.84	84	1972	0.383	ug/l #	62
24) 1,1-Dichloroethane	3.68	63	5594	0.638	ug/l	96
25) 2-Butanone	4.64	43	850	0.234	ug/l #	50
27) cis-1,2-Dichloroethene	4.57	96	1219	0.224	ug/l	90
31) Cyclohexane	5.62	56	10703	1.450	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	34657	5.063	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46137	6.085	ug/l #	19
44) Trichloroethene	7.19	130	12625	2.223	ug/l	99
49) 1,4-Dioxane	7.73	88	118	1.209	ug/l #	1
64) Tetrachloroethene	9.31	164	1847	0.343	ug/l #	37
76) 1,2,3-Trichloropropane	11.12	75	170335	23.636	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	170335	60.567	ug/l #	13

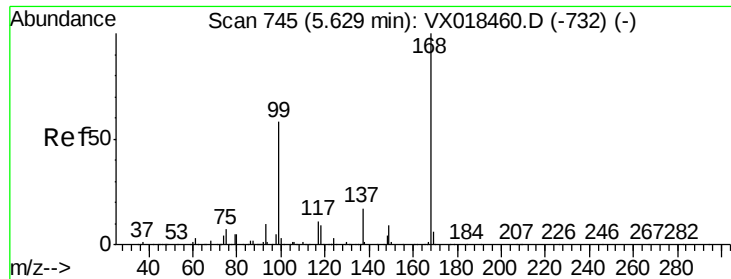
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 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: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

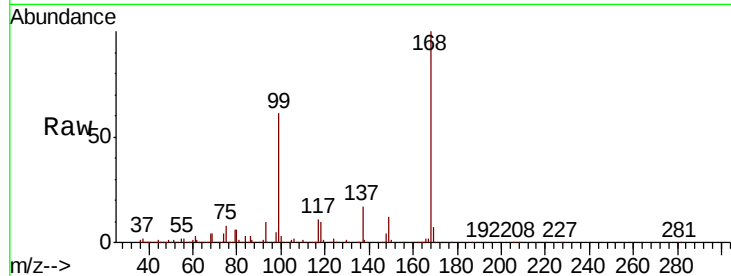
TT180D-20200921

Tot Ion:168 Resp: 431248

Ion Ratio Lower Upper

168 100

99 60.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

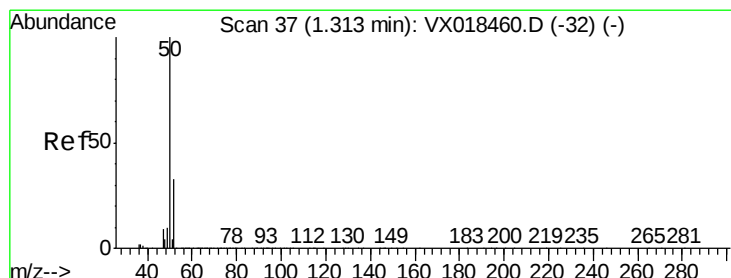
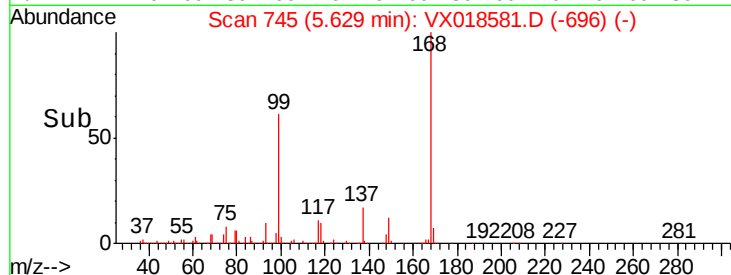
100000

50000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.397 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018581.D

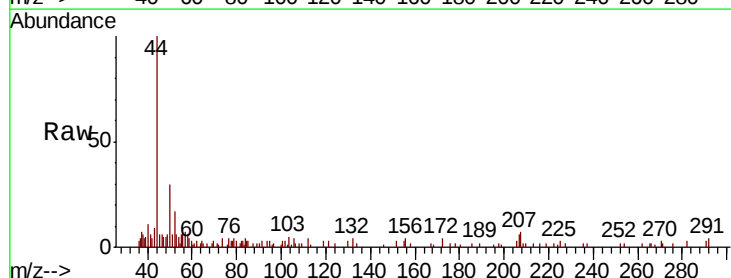
Acq: 24 Sep 2020 18:31

Tgt Ion: 50 Resp: 1901

Ion Ratio Lower Upper

50 100

52 45.9 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

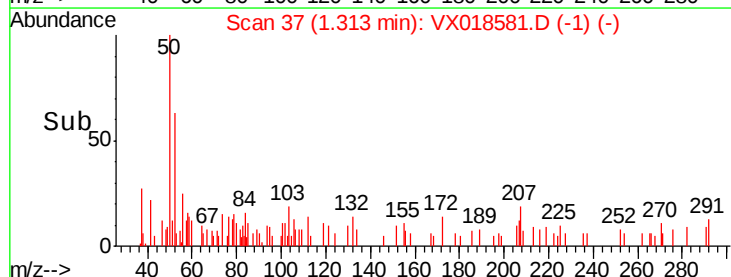
1000

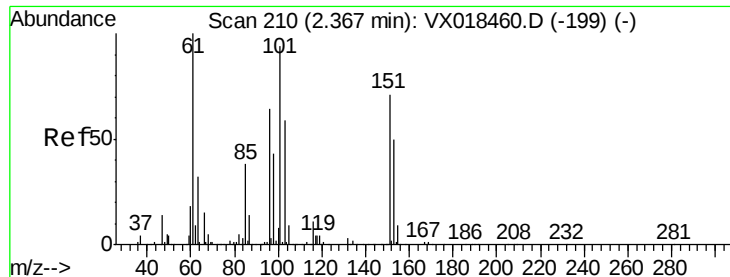
500

0

1.25 1.30 1.35

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.543 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

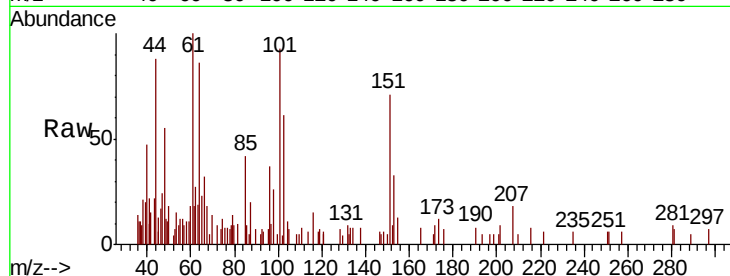
Tot Ion:101 Resp: 2251

Ion Ratio Lower Upper

101 100

85 48.2 34.7 52.1

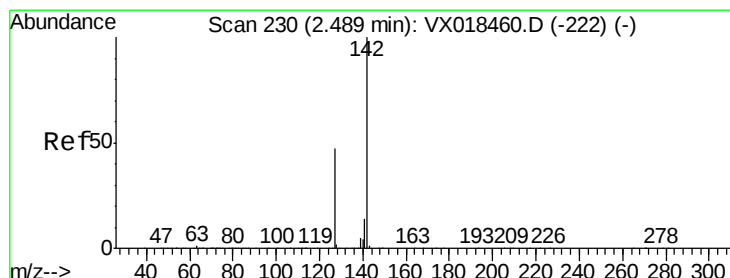
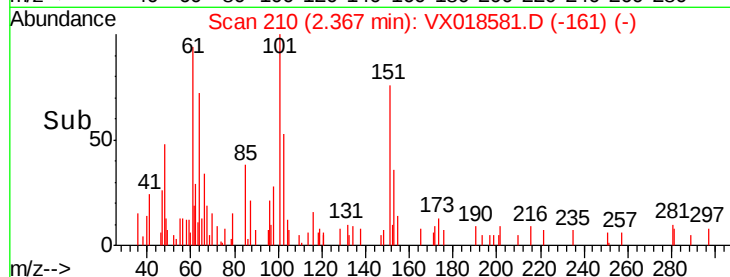
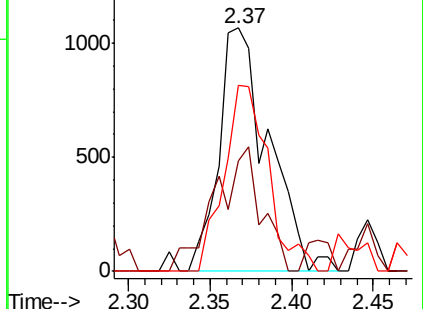
151 68.3 64.9 97.3



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



#10

Methyl Iodide

Concen: 4.965 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

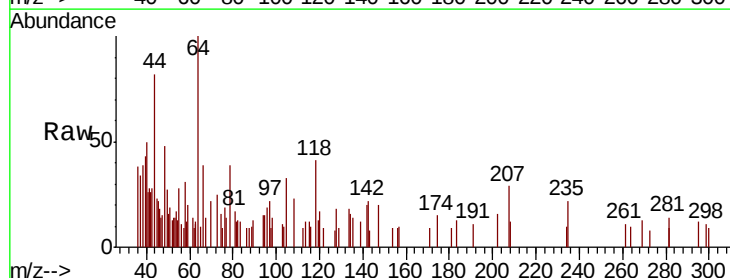
Tgt Ion:142 Resp: 290

Ion Ratio Lower Upper

142 100

127 13.1 36.0 54.0#

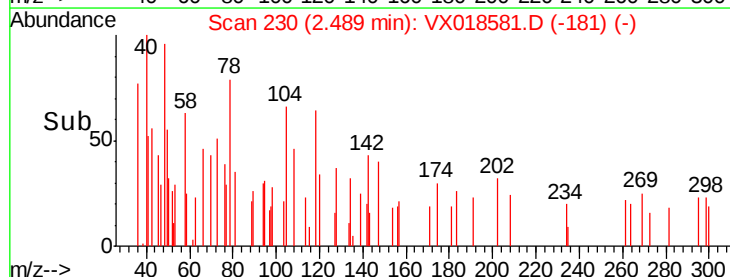
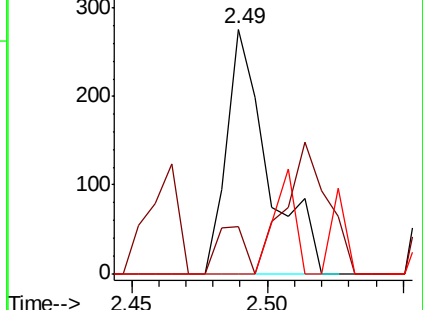
141 0.0 11.9 17.9#

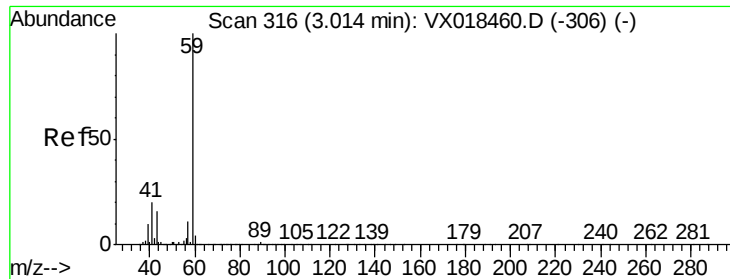


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

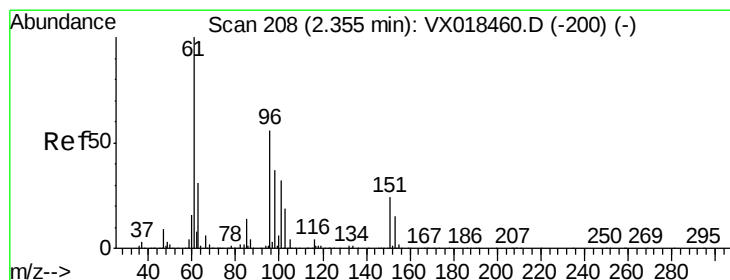
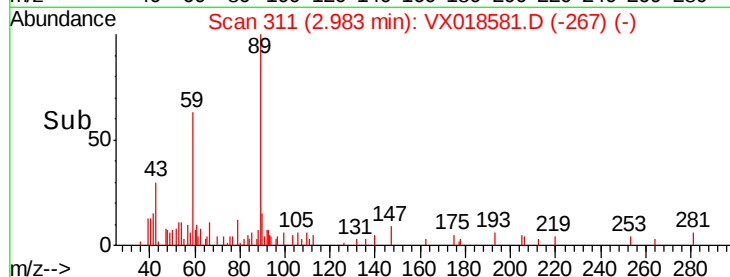
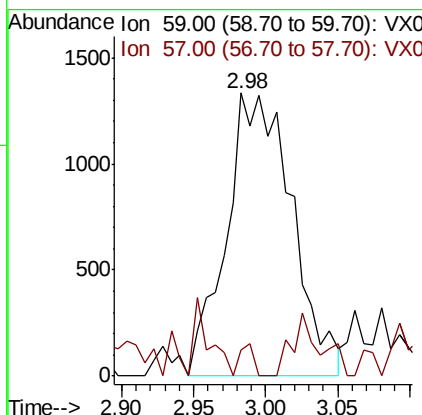
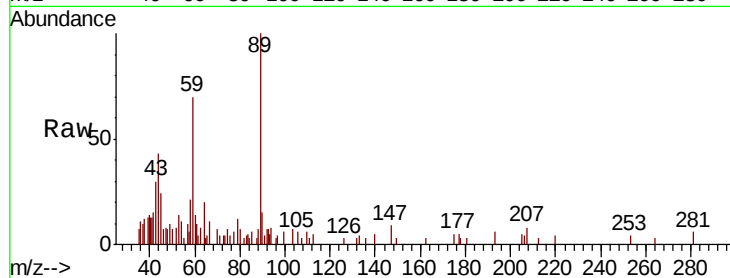




#11
Tert butyl alcohol
Concen: 3.978 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

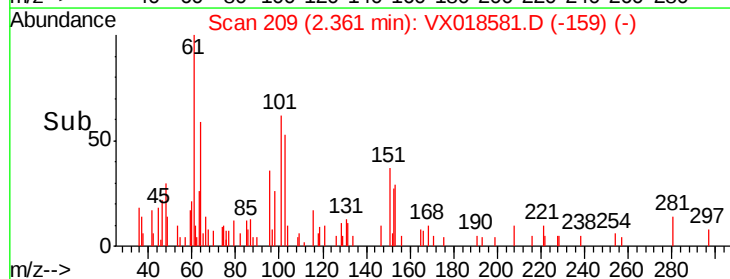
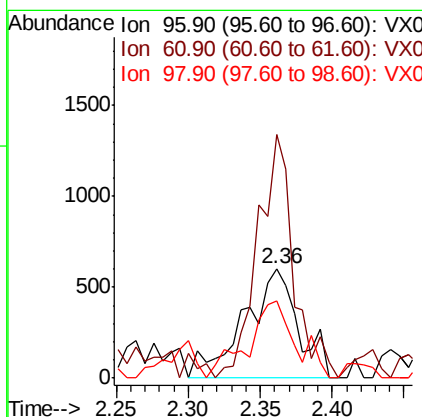
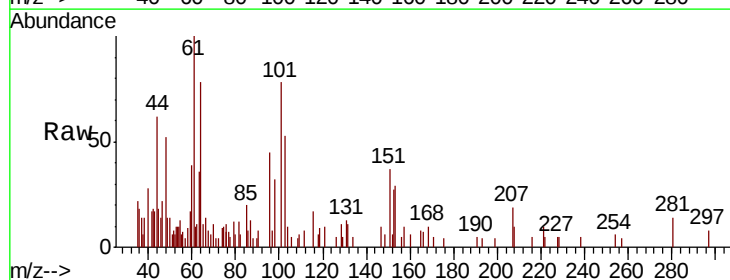
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20200921

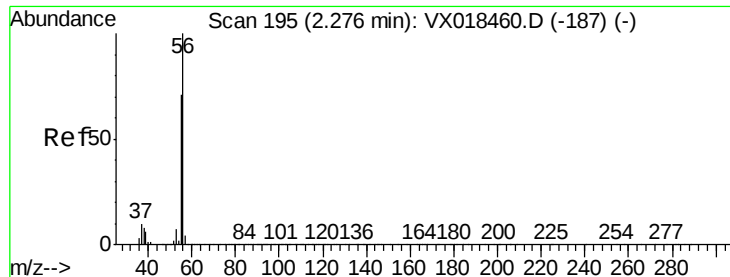
Tot Ion: 59 Resp: 4223
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.375 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

Tgt Ion: 96 Resp: 1567
Ion Ratio Lower Upper
96 100
61 222.6 142.2 213.4#
98 70.8 52.4 78.6





#13

Acrolein

Concen: 0.213 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

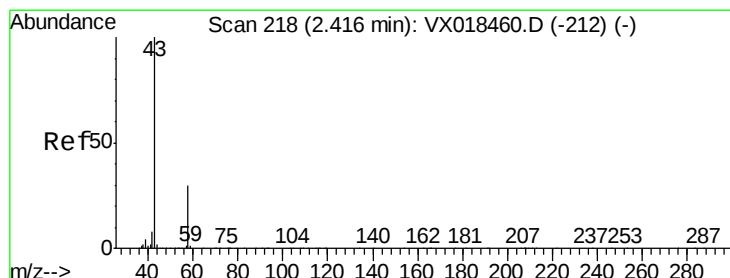
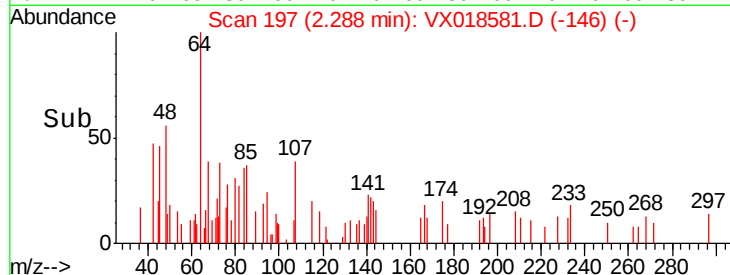
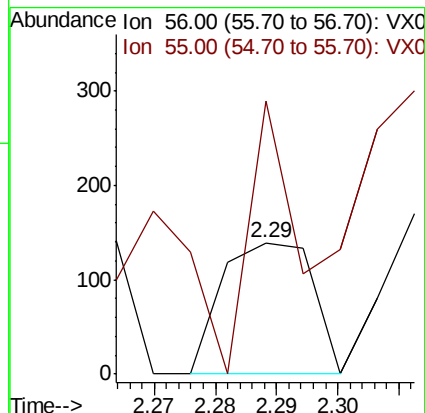
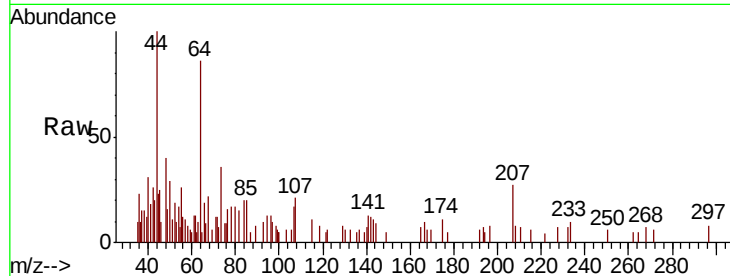
TT180D-20200921

Tot Ion: 56.00 Resp: 143

Ion Ratio Lower Upper

56 100

55 101.4 58.2 87.4#



#16

Acetone

Concen: 2.107 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018581.D

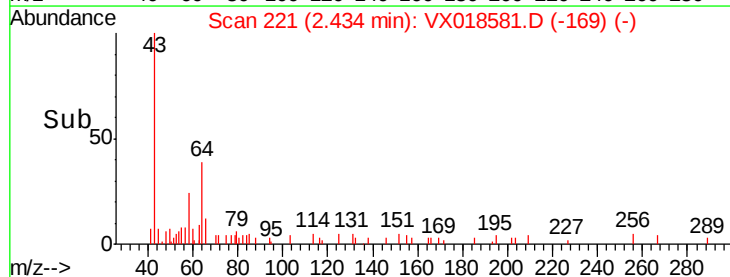
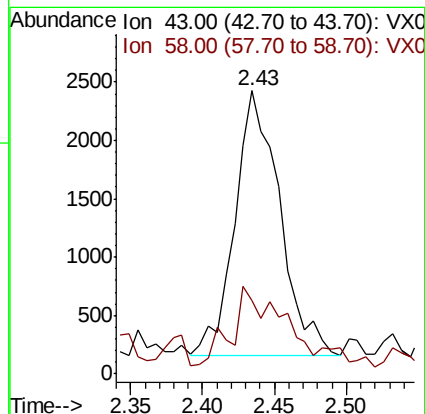
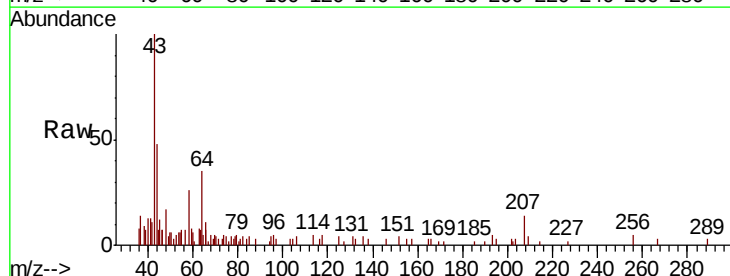
Acq: 24 Sep 2020 18:31

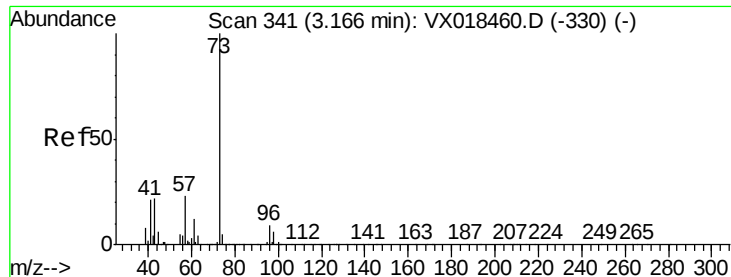
Tgt Ion: 43 Resp: 4915

Ion Ratio Lower Upper

43 100

58 24.6 24.0 36.0

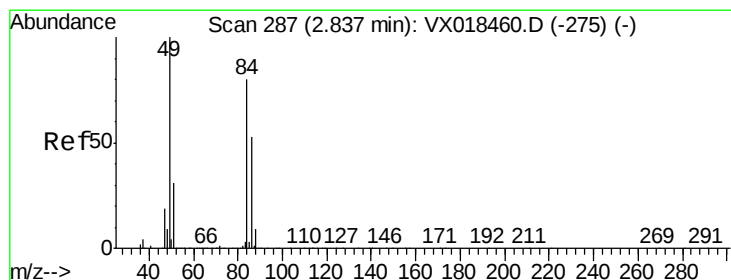
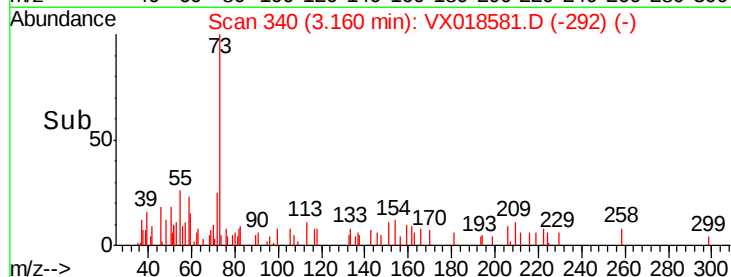
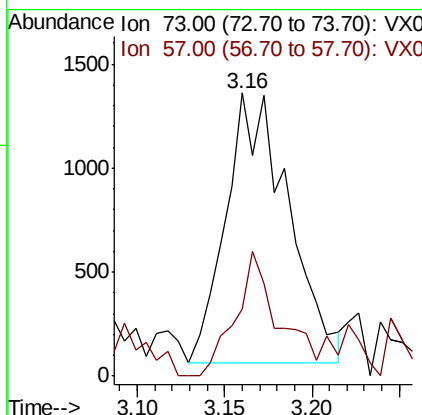
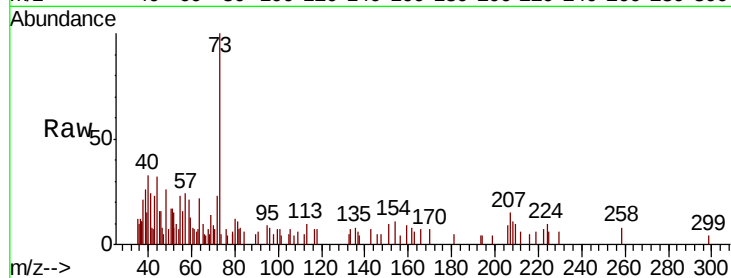




#19
Methvl tert-butvl Ether
Concen: 0.218 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

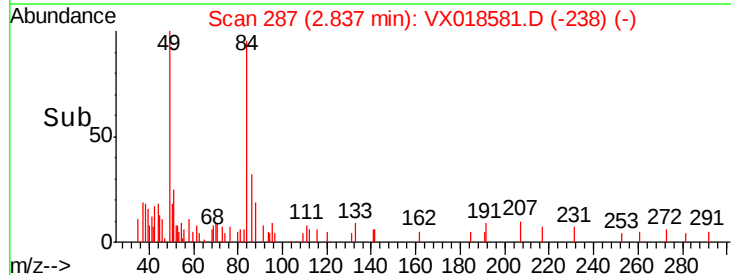
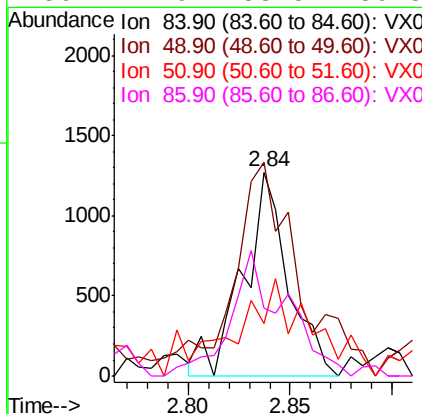
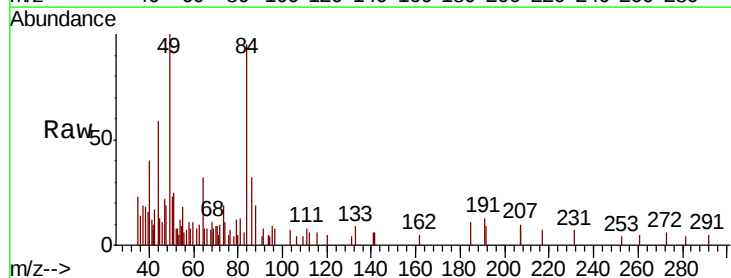
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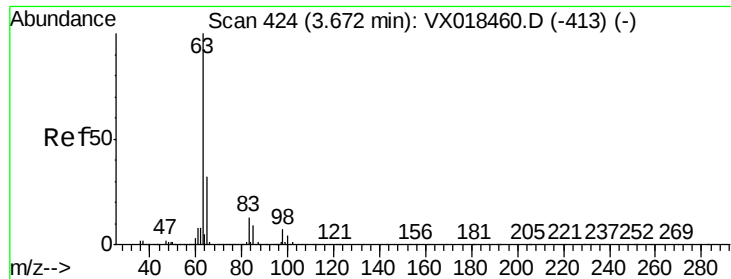
Tot Ion: 73 Resp: 3198
Ion Ratio Lower Upper
73 100
57 24.9 18.0 27.0



#20
Methylene Chloride
Concen: 0.383 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

Tgt Ion: 84 Resp: 1972
Ion Ratio Lower Upper
84 100
49 86.9 100.6 151.0#
51 18.3 30.9 46.3#
86 27.9 53.5 80.3#





#24

1,1-Dichloroethane

Concen: 0.638 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

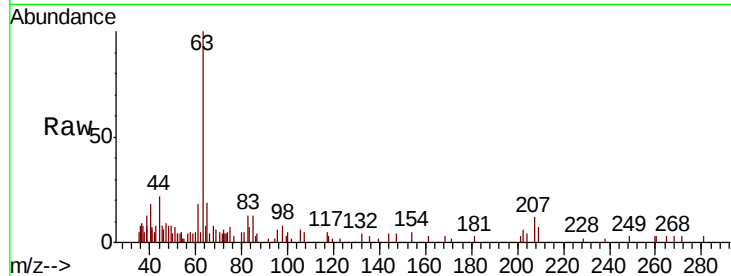
Tot Ion: 63 Resp: 5594

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.6

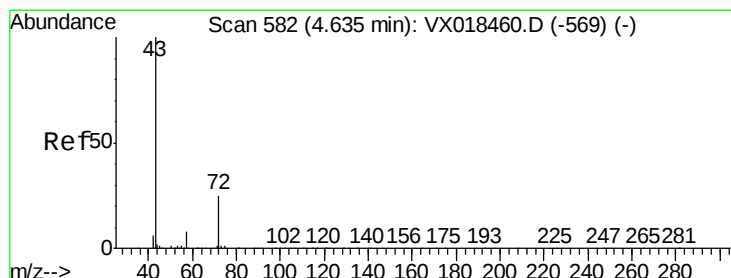
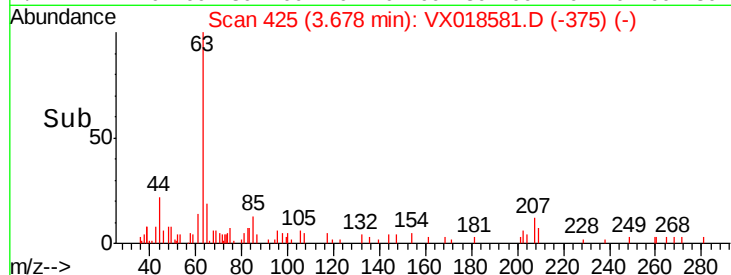
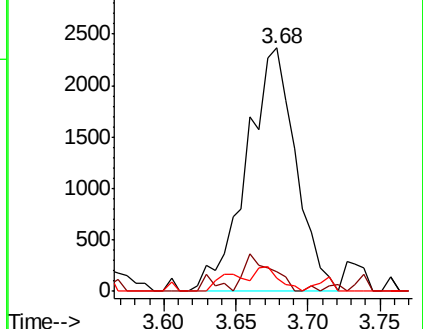
100 5.5 1.9 5.7



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



#25

2-Butanone

Concen: 0.234 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX018581.D

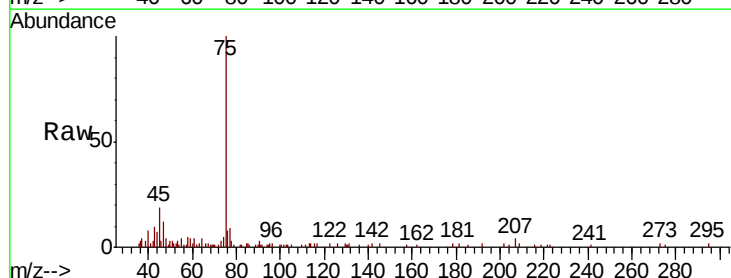
Acq: 24 Sep 2020 18:31

Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

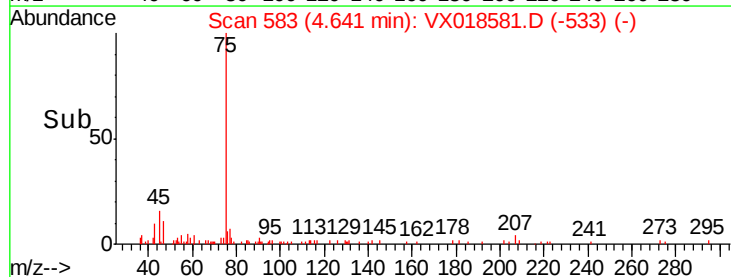
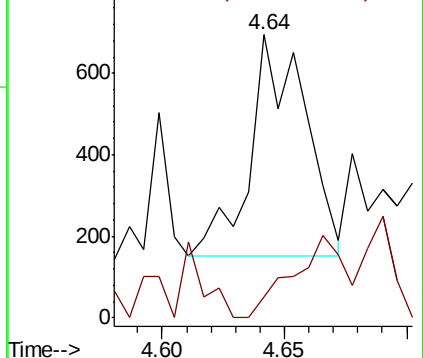
43 100

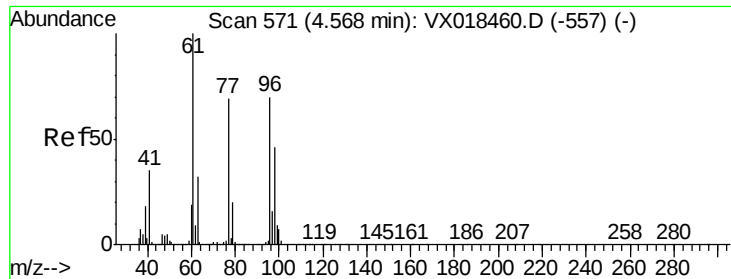
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



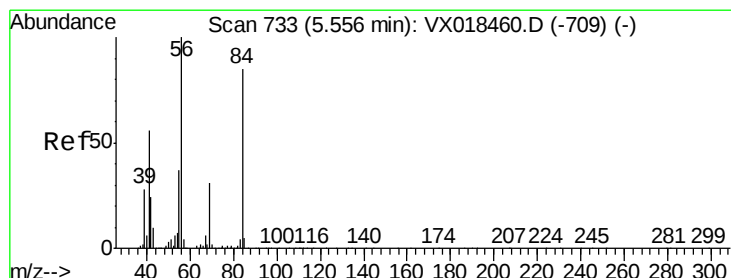
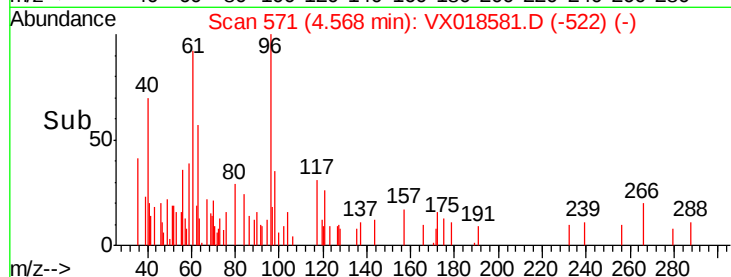
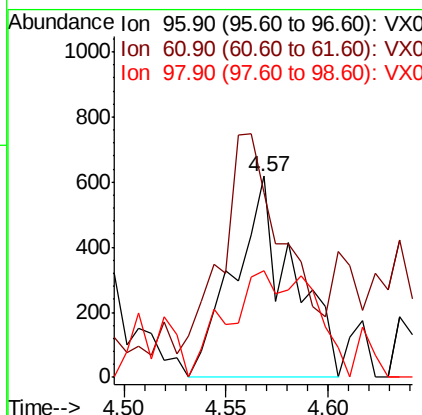
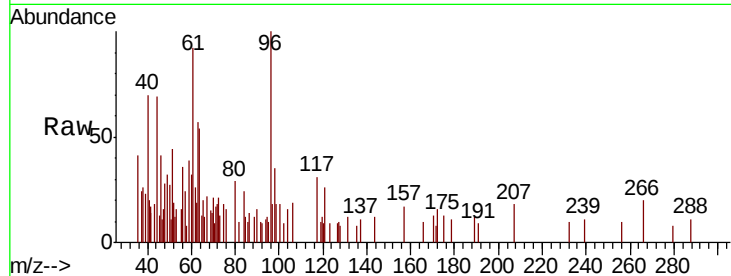


#27

cis-1,2-Dichloroethene
Concen: 0.224 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

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MSVOA_X
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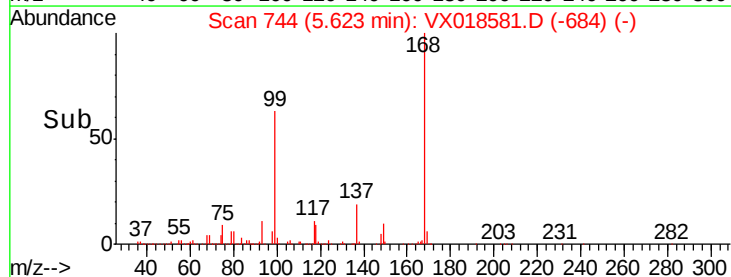
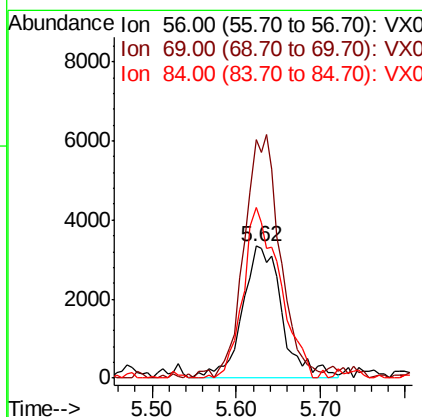
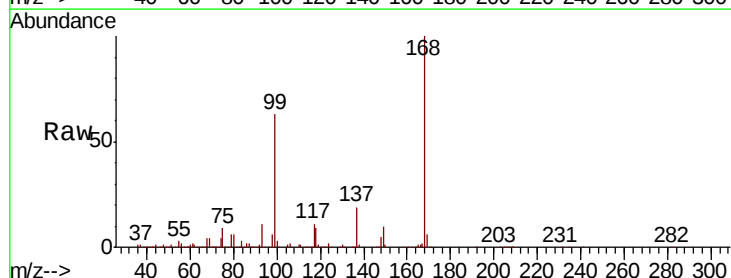
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	300.0
98	78.8	0.0	130.4

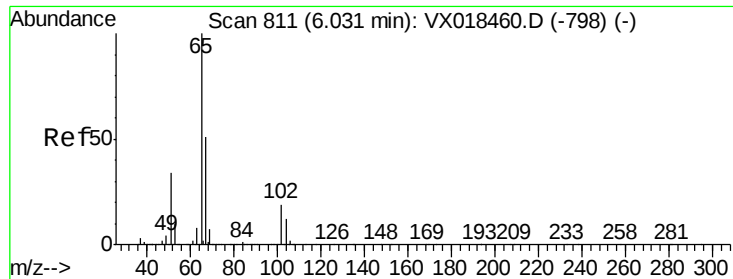


#31

Cyclohexane
Concen: 1.450 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018581.D
Acq: 24 Sep 2020 18:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	178.4	24.8	37.2#
84	123.5	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 52.108 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

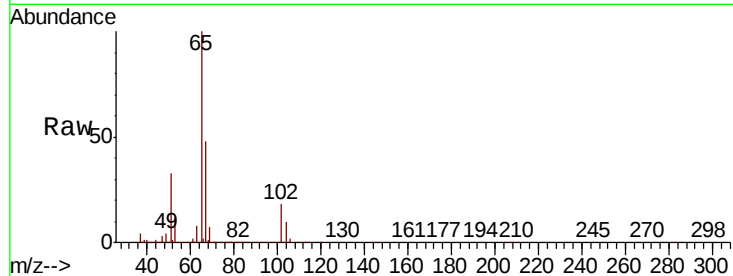
TT180D-20200921

Tot Ion: 65 Resp: 317892

Ion Ratio Lower Upper

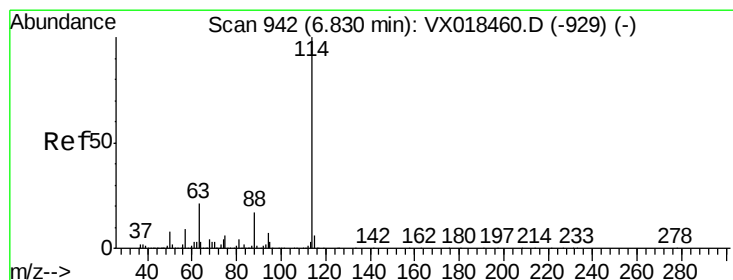
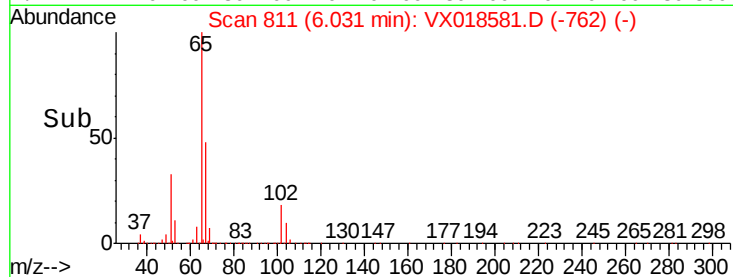
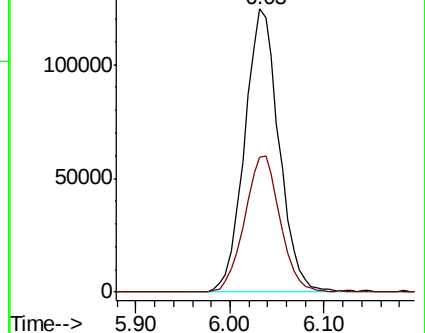
65 100

67 49.7 0.0 105.6



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. 0.01 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

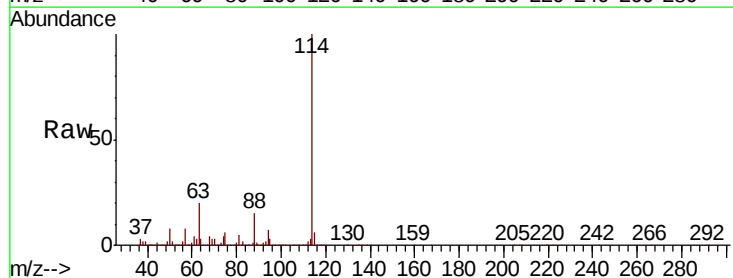
Tgt Ion: 114 Resp: 705306

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

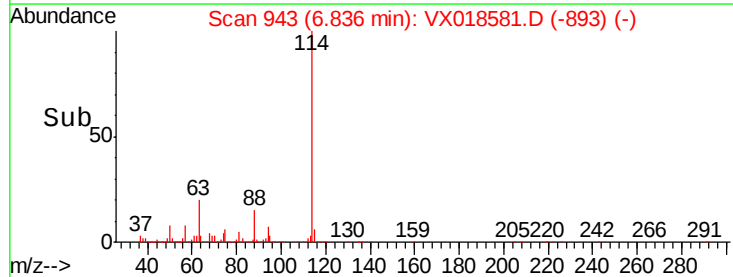
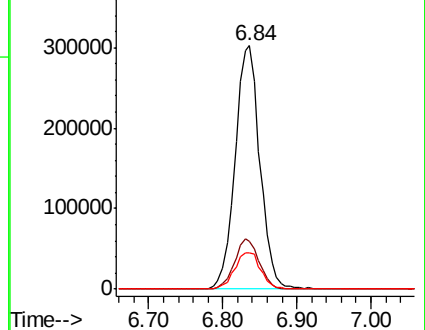
88 15.1 0.0 33.6

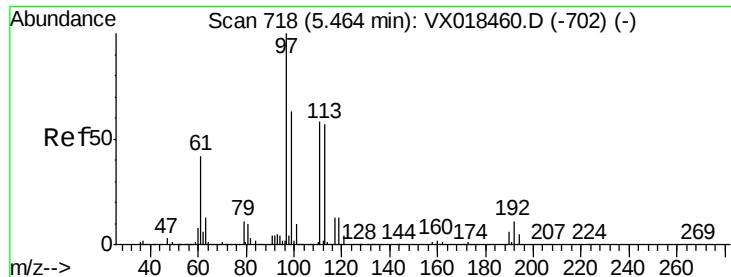


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.863 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

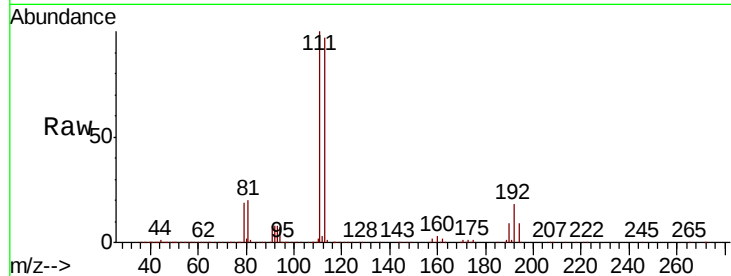
Tot Ion:113 Resp: 248001

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.2

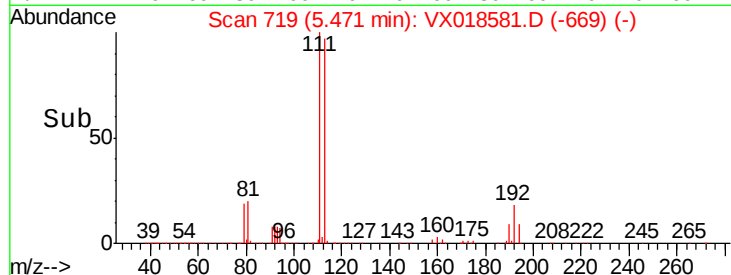
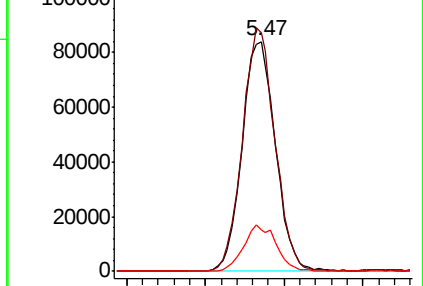
192 19.8 16.6 24.8



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: 5.063 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

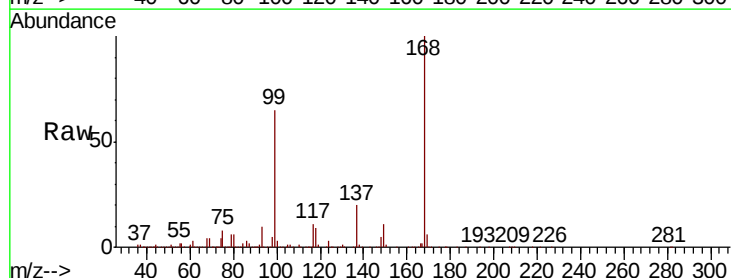
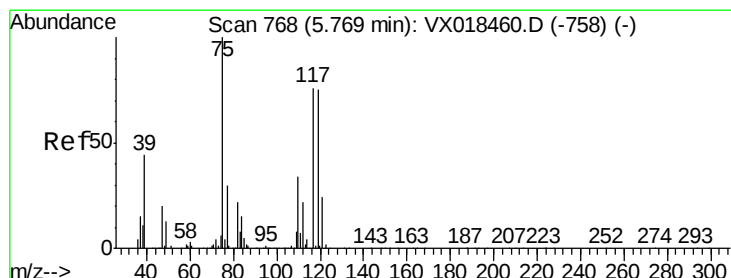
Tgt Ion: 75 Resp: 34657

Ion Ratio Lower Upper

75 100

110 11.2 17.6 52.8#

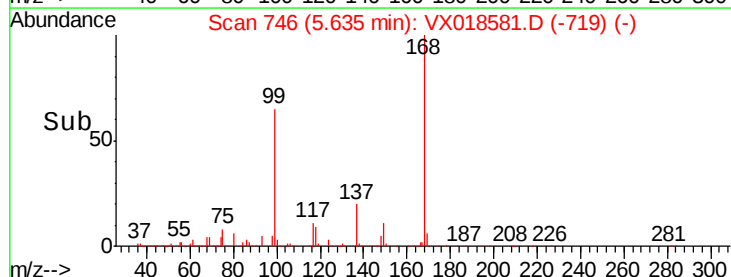
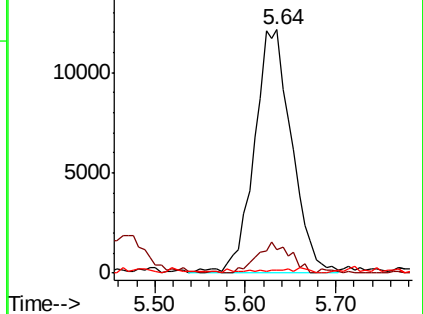
77 0.0 25.0 37.6#

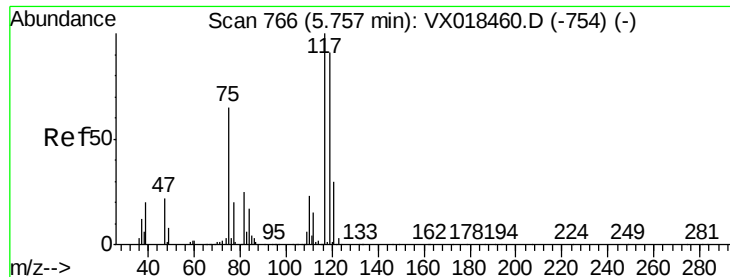


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.085 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

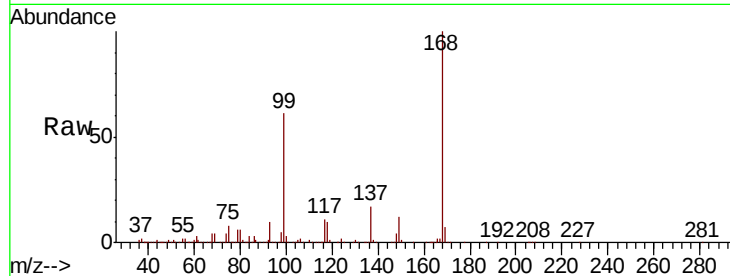
Tot Ion:117 Resp: 46137

Ion Ratio Lower Upper

117 100

119 5.8 72.3 108.5#

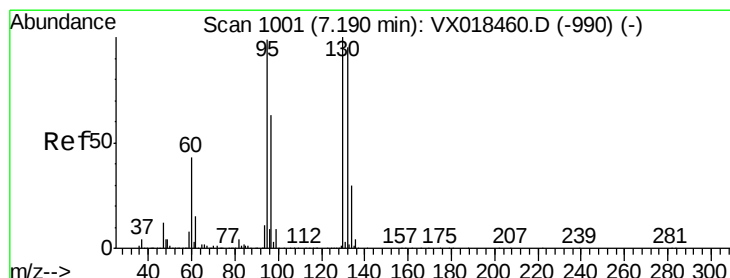
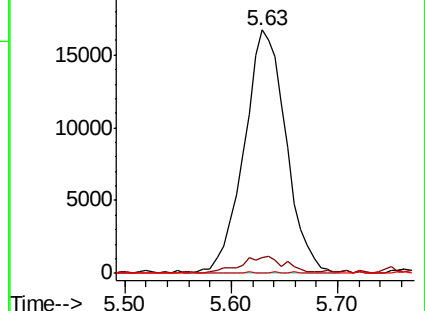
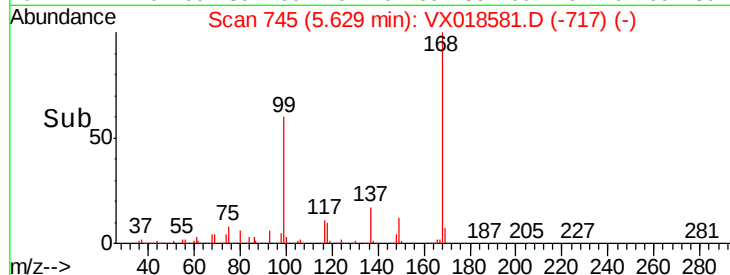
121 0.0 23.8 35.8#



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: 2.223 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018581.D

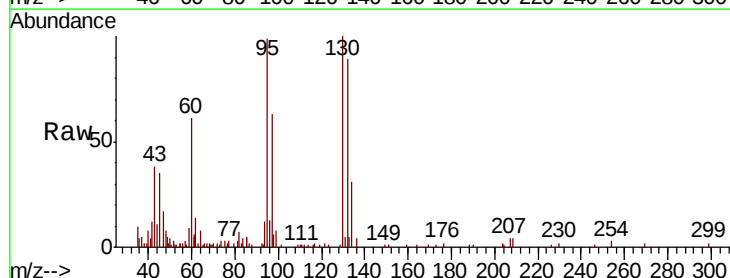
Acq: 24 Sep 2020 18:31

Tgt Ion:130 Resp: 12625

Ion Ratio Lower Upper

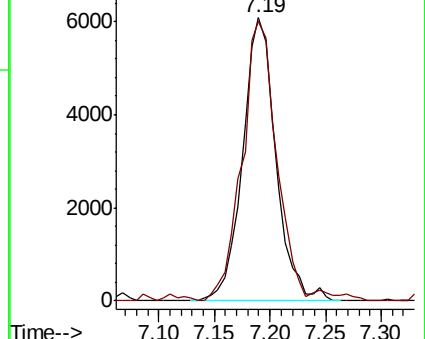
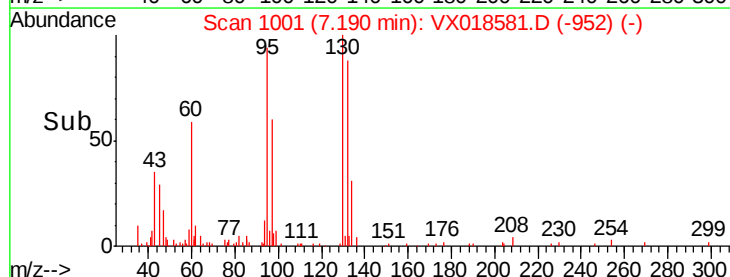
130 100

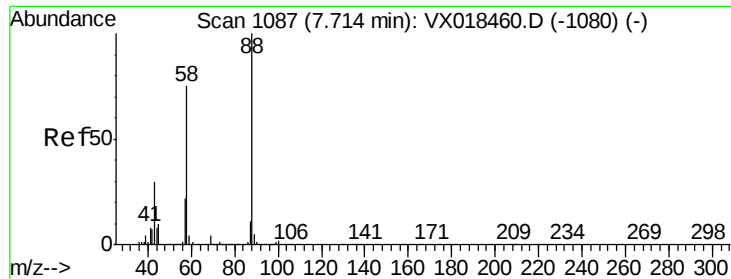
95 97.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.209 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

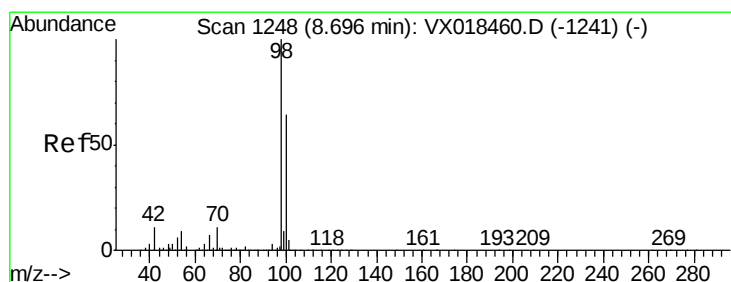
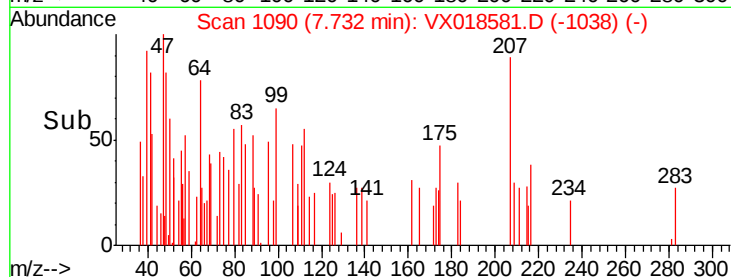
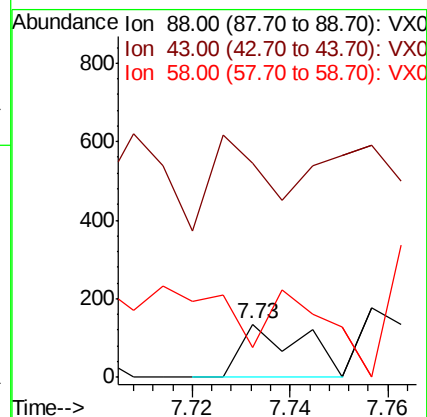
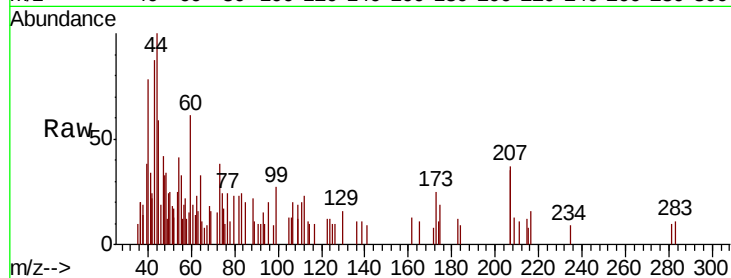
Tot Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 152.5 29.9 44.9#

58 158.5 59.0 88.6#



#50

Toluene-d8

Concen: 49.285 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018581.D

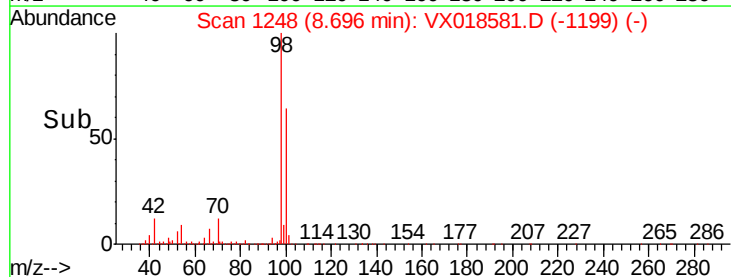
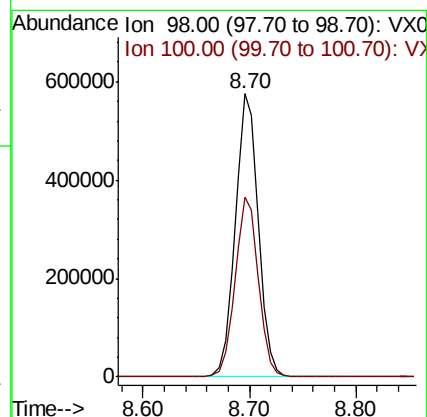
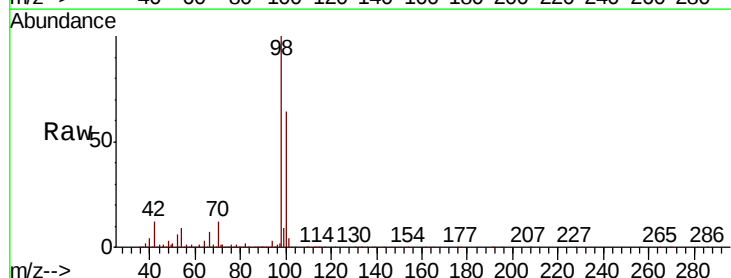
Acq: 24 Sep 2020 18:31

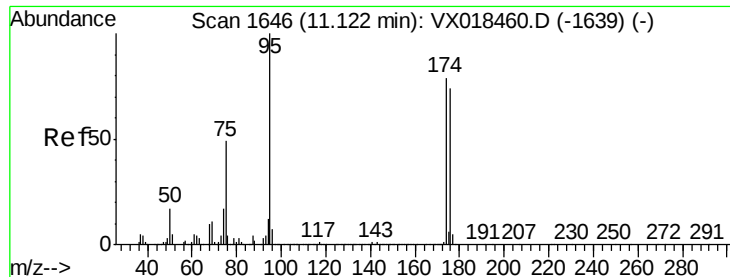
Tgt Ion: 98 Resp: 873114

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.043 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

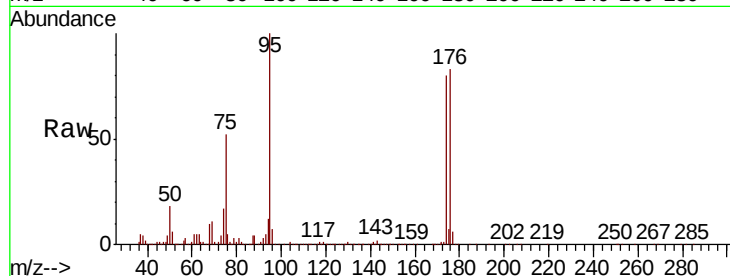
Tot Ion: 95 Resp: 324457

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.4

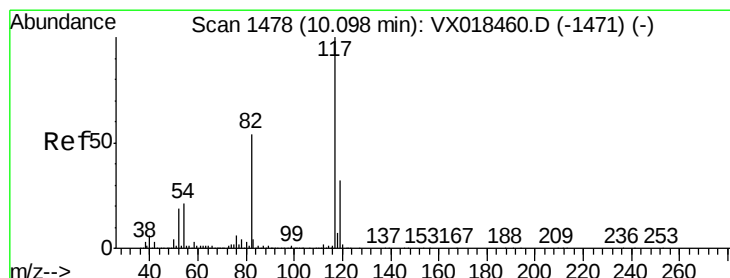
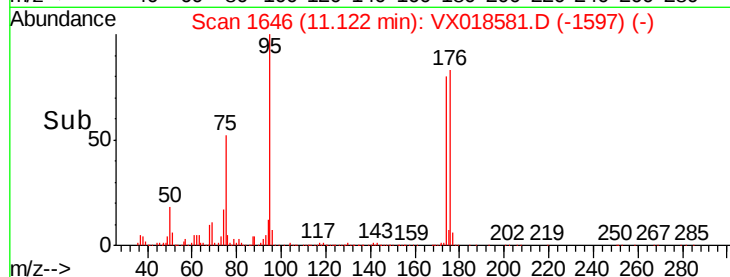
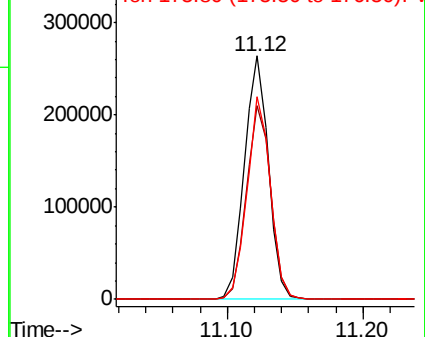
176 81.4 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

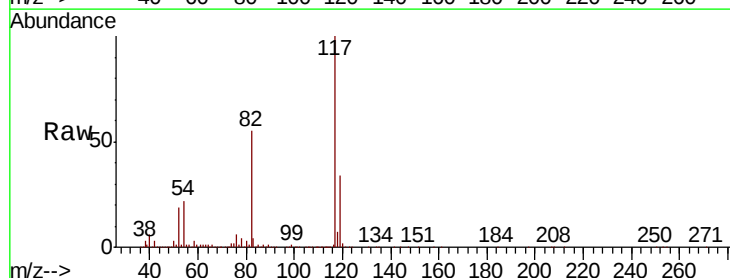
Tgt Ion: 117 Resp: 684916

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

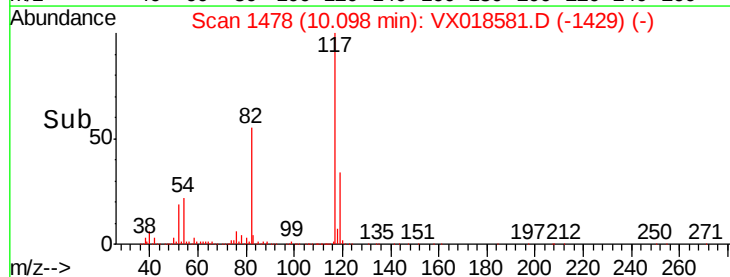
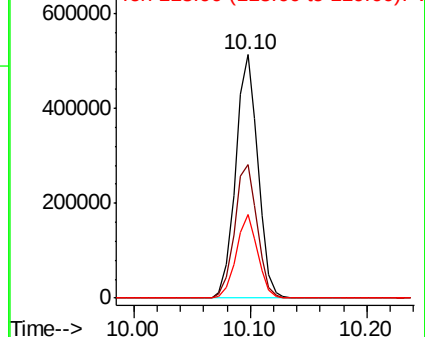
119 34.3 25.9 38.9

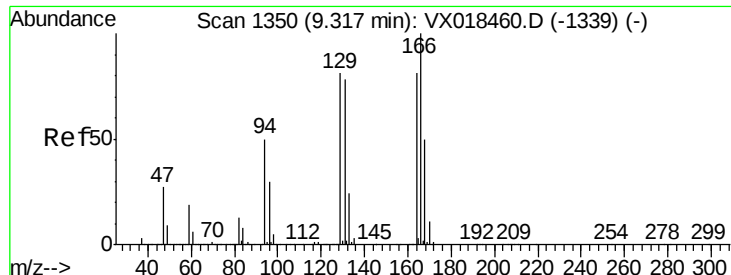


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)





#64

Tetrachloroethene

Concen: 0.343 ug/l

RT: 9.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20200921

Tot Ion:164 Resp: 1847

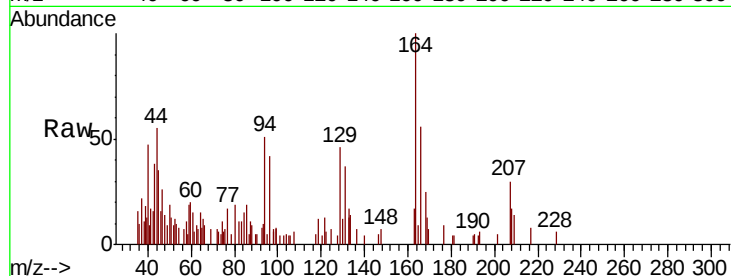
Ion Ratio Lower Upper

164 100

166 55.6 99.3 148.9#

129 32.7 80.7 121.1#

131 37.3 77.2 115.8#

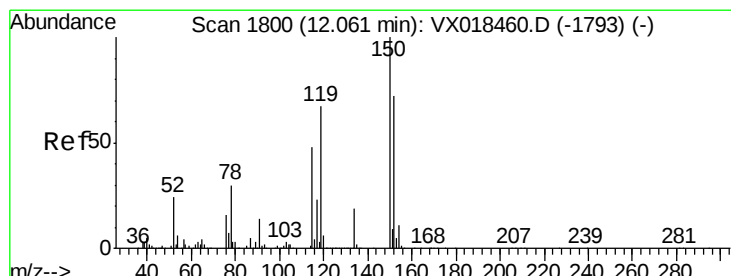
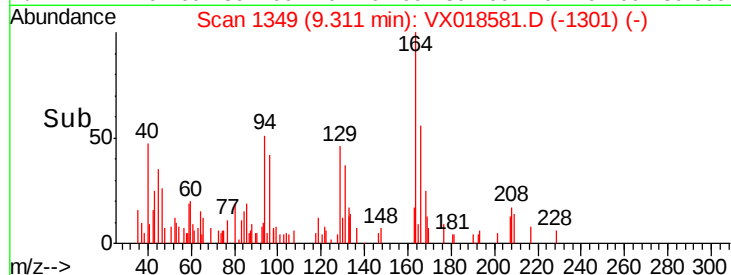
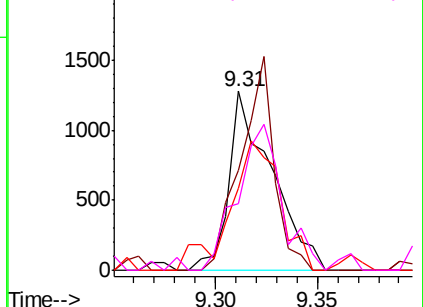


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX018581.D

Acq: 24 Sep 2020 18:31

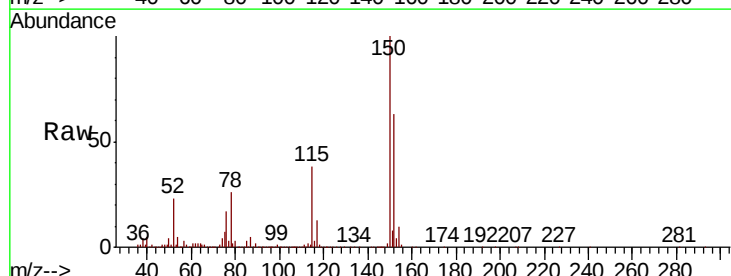
Tgt Ion:152 Resp: 342935

Ion Ratio Lower Upper

152 100

115 60.1 41.8 125.4

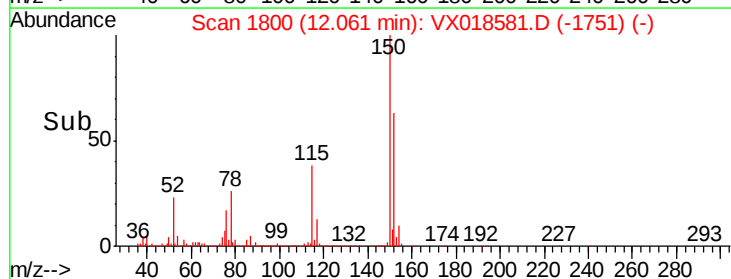
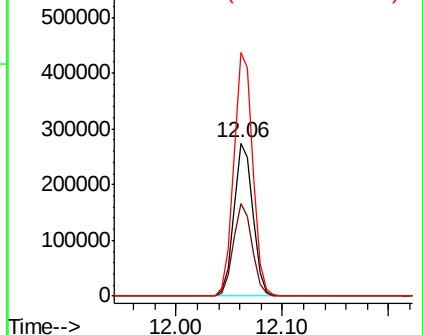
150 159.4 0.0 342.4

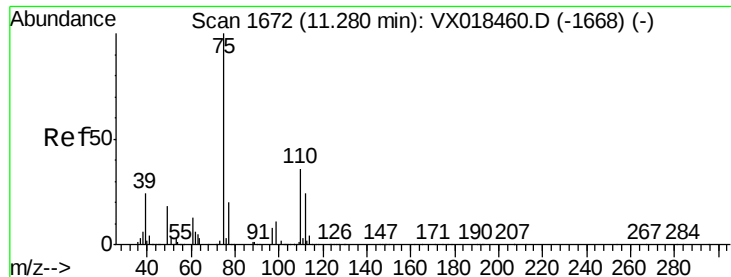


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.636 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

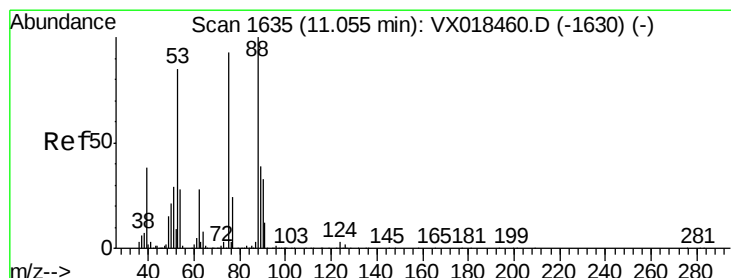
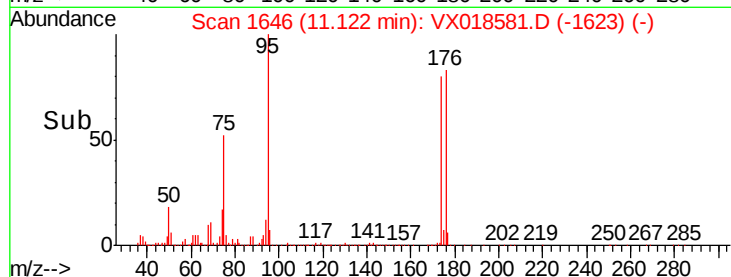
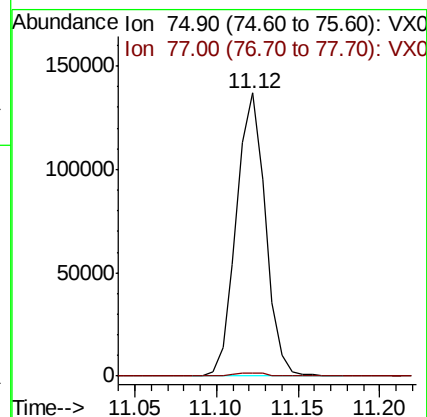
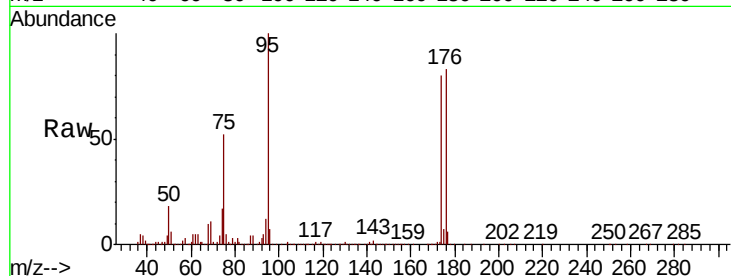
TT180D-20200921

Tot Ion: 75 Resp: 170335

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.567 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018581.D

Acq: 24 Sep 2020 18:31

Tgt Ion: 75 Resp: 170335

Ion Ratio Lower Upper

75 100

53 0.7 74.6 111.8#

89 0.1 36.2 54.4#

