

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032223\
 Data File : VX034671.D
 Acq On : 22 Mar 2023 14:48
 Operator : JC/MD
 Sample : 01941-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230313

Quant Time: Mar 23 07:54:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

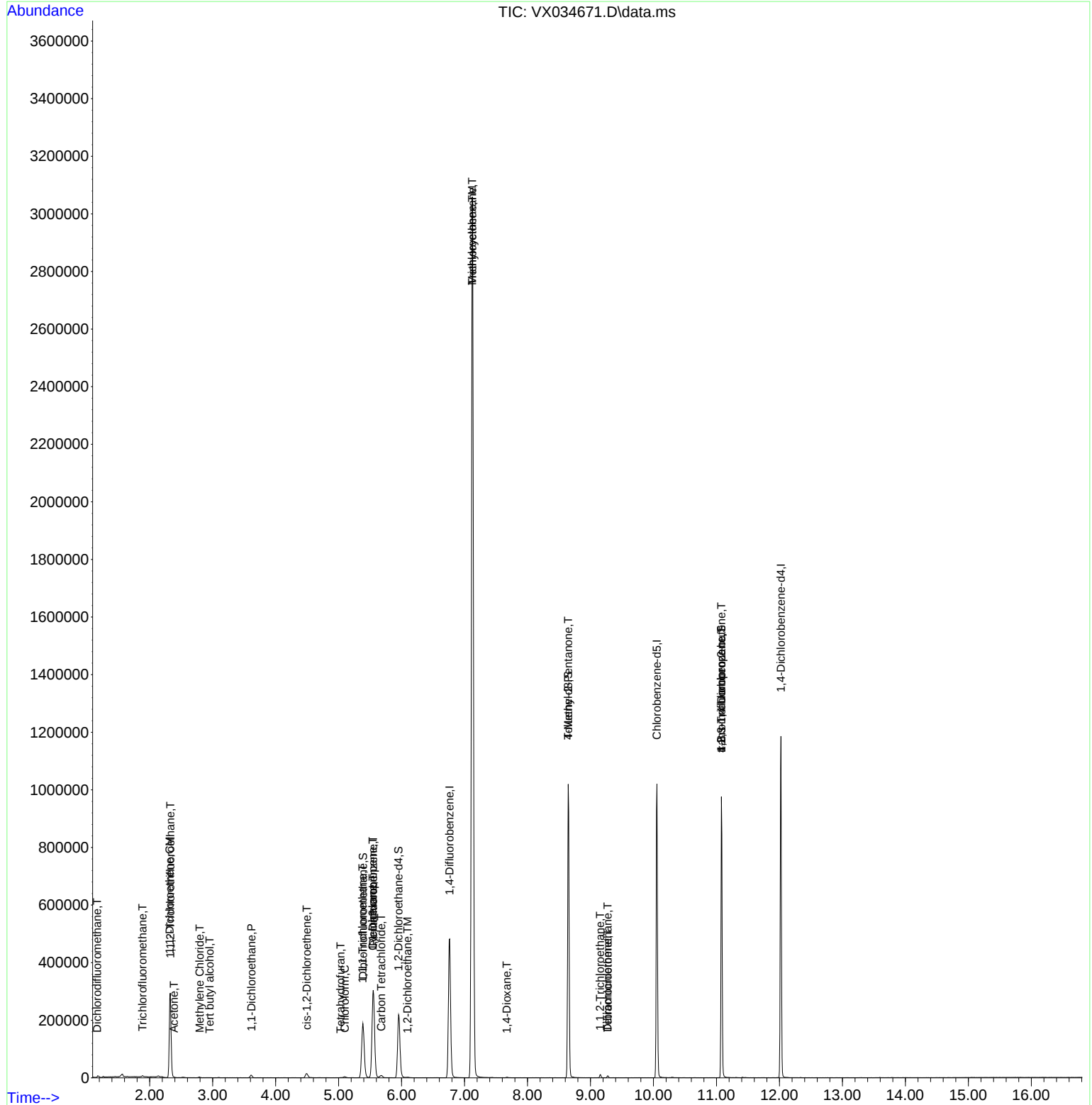
Internal Standards						
1) Pentafluorobenzene	5.550	168	288362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	488194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	208396	49.676	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.360%		
35) Dibromofluoromethane	5.385	113	153510	47.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.260%		
50) Toluene-d8	8.647	98	580480	48.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.480%		
62) 4-Bromofluorobenzene	11.079	95	257199	52.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	860	0.320	ug/l	72
3) Chloromethane	1.294	50	219	Below Cal	#	42
7) Trichlorofluoromethane	1.886	101	2106	0.383	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	71437	22.287	ug/l	99
11) Tert butyl alcohol	2.953	59	364	0.417	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	47139	14.933	ug/l	94
16) Acetone	2.386	43	1382	0.699	ug/l	97
20) Methylene Chloride	2.794	84	1117	0.291	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	9757	1.487	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	9452	2.342	ug/l	86
29) Tetrahydrofuran	5.032	42	355	0.203	ug/l #	52
30) Chloroform	5.099	83	4236	0.659	ug/l	100
31) Cyclohexane	5.544	56	6999	1.190	ug/l #	28
32) 1,1,1-Trichloroethane	5.379	97	7398	1.300	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	23219	4.690	ug/l #	50
38) Carbon Tetrachloride	5.678	117	6648	1.350	ug/l #	89
39) Methylcyclohexane	7.123	83	14096	2.379	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1901	0.357	ug/l	94
44) Trichloroethene	7.123	130	1150610	305.768	ug/l	99
49) 1,4-Dioxane	7.671	88	1550	16.746	ug/l #	85
51) 4-Methyl-2-Pentanone	8.647	43	2844	0.535	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	3162	0.889	ug/l #	86
60) Dibromochloromethane	9.275	129	1014	0.272	ug/l #	10
64) Tetrachloroethene	9.275	164	1166	0.400	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	140917	26.296	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	140917	71.139	ug/l #	8

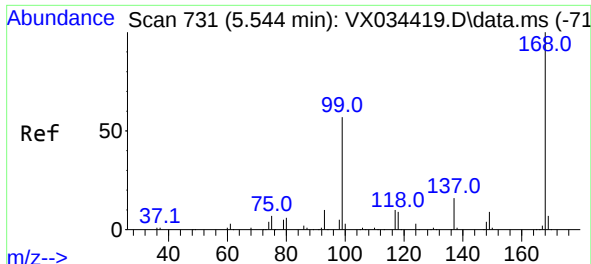
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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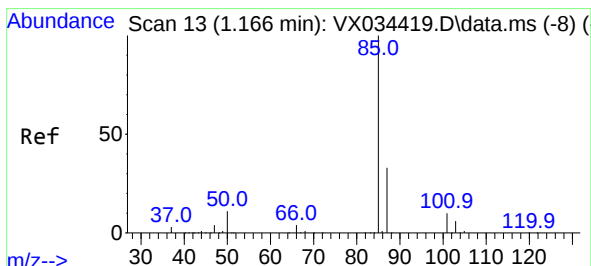
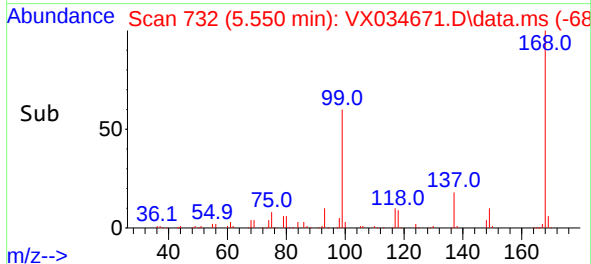
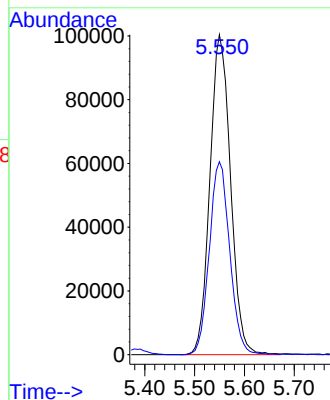
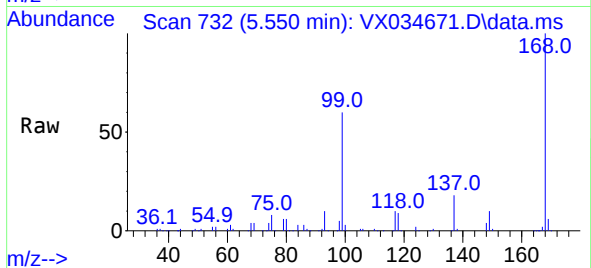




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

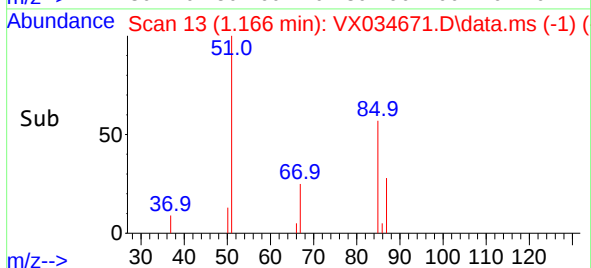
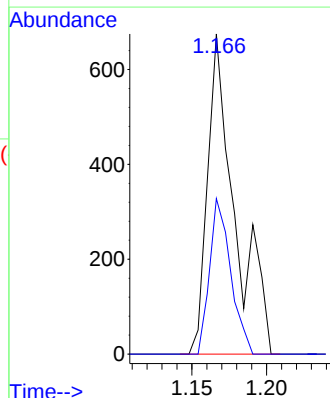
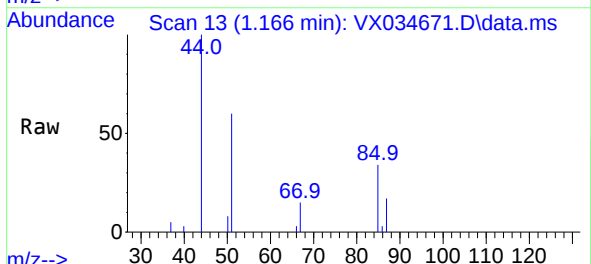
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

Tgt Ion:168 Resp: 288362
Ion Ratio Lower Upper
168 100
99 60.3 45.7 68.5

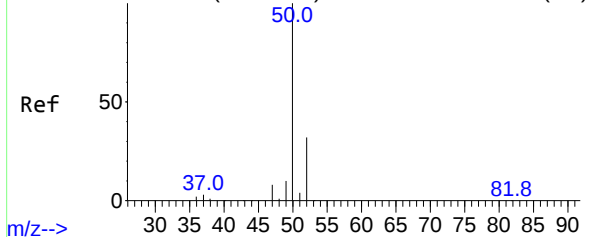


#2
Dichlorodifluoromethane
Concen: 0.320 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 85 Resp: 860
Ion Ratio Lower Upper
85 100
87 48.6 16.4 49.1



Abundance Scan 35 (1.301 min): VX034419.D\data.ms (-30)



#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. -0.007 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230313

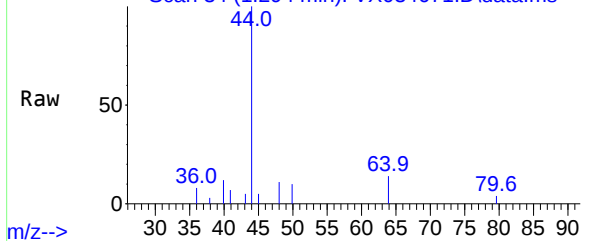
Tgt Ion: 50 Resp: 219

Ion Ratio Lower Upper

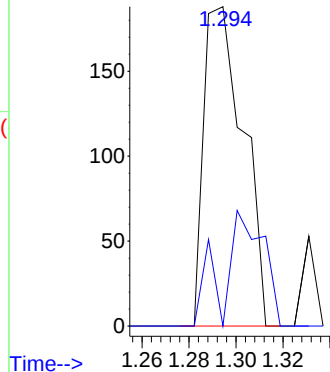
50 100

52 0.0 25.9 38.9#

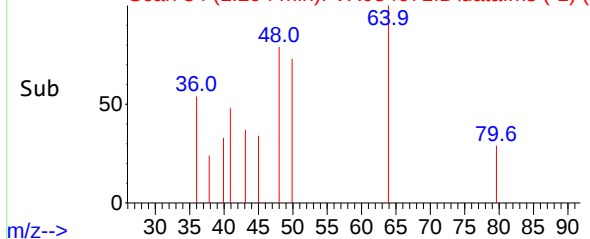
Abundance Scan 34 (1.294 min): VX034671.D\data.ms



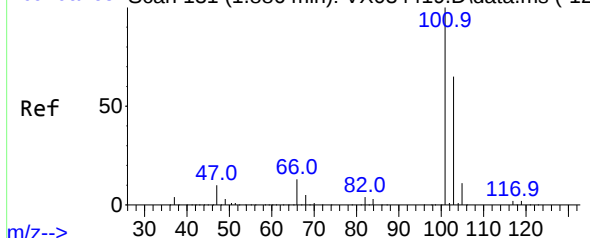
Abundance



Abundance Scan 34 (1.294 min): VX034671.D\data.ms (-1)



Abundance Scan 131 (1.886 min): VX034419.D\data.ms (-12)



#7

Trichlorofluoromethane

Concen: 0.383 ug/l

RT: 1.886 min Scan# 131

Delta R.T. 0.000 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

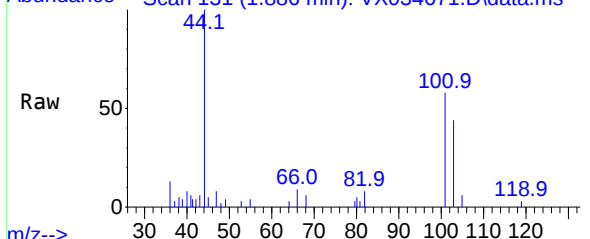
Tgt Ion: 101 Resp: 2106

Ion Ratio Lower Upper

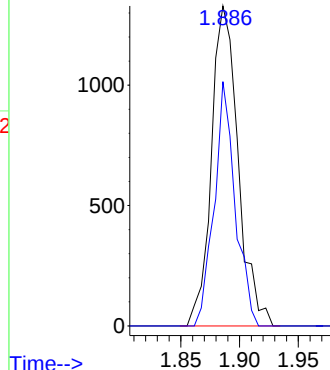
101 100

103 76.4 52.0 78.0

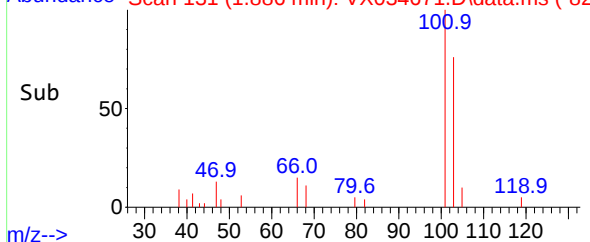
Abundance Scan 131 (1.886 min): VX034671.D\data.ms

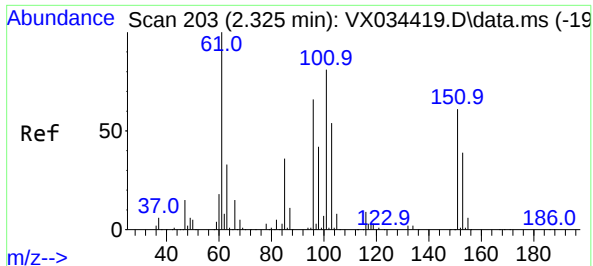


Abundance



Abundance Scan 131 (1.886 min): VX034671.D\data.ms (-82)

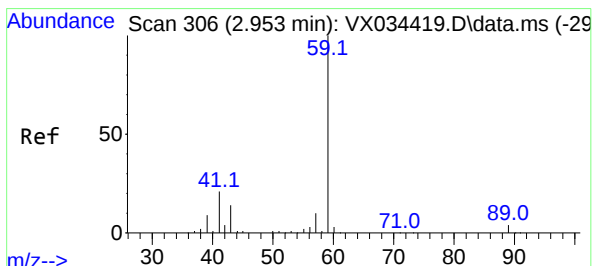
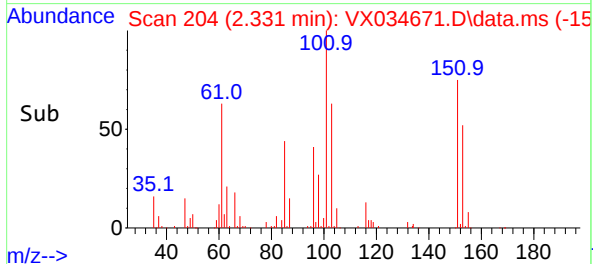
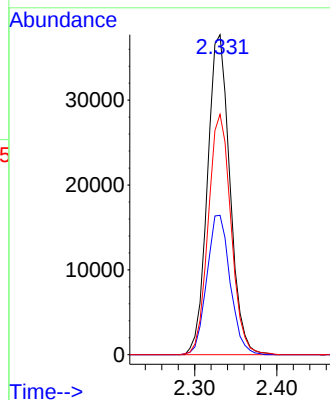
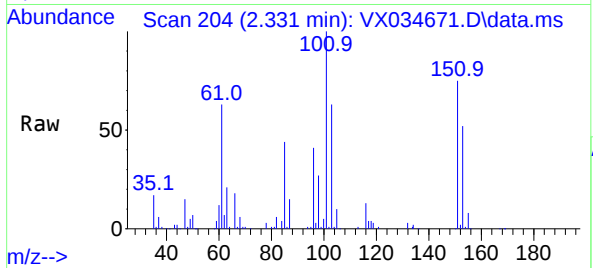




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.287 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

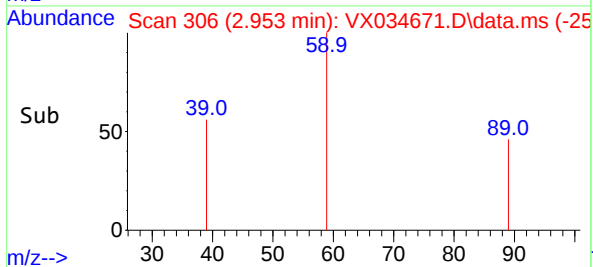
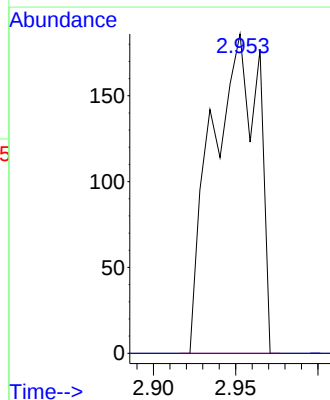
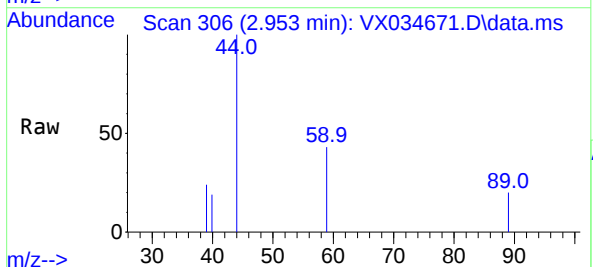
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

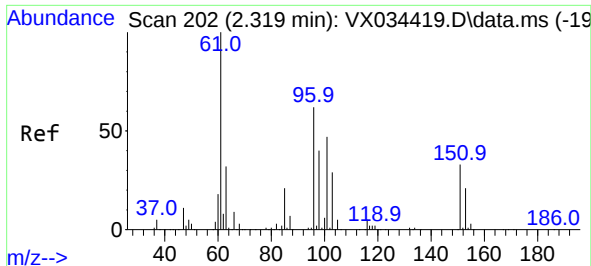
Tgt Ion:101 Resp: 71437
Ion Ratio Lower Upper
101 100
85 45.3 35.4 53.2
151 76.2 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.417 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

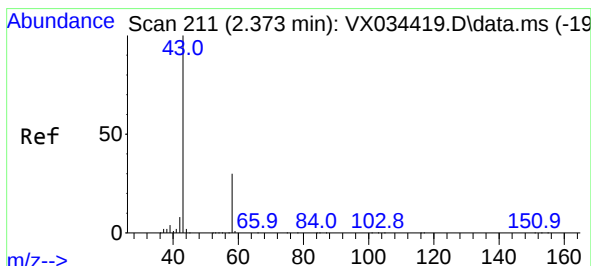
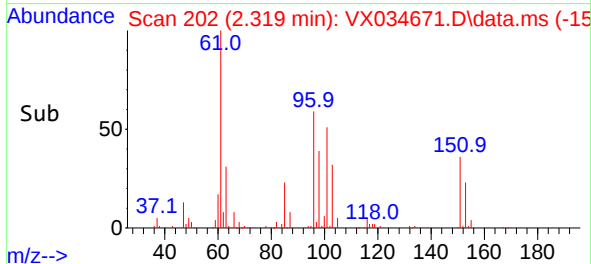
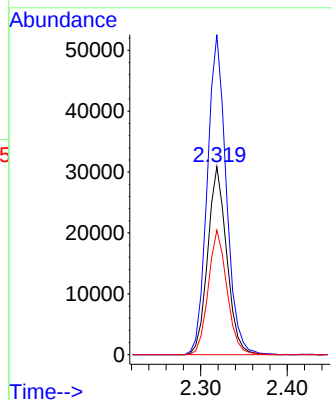
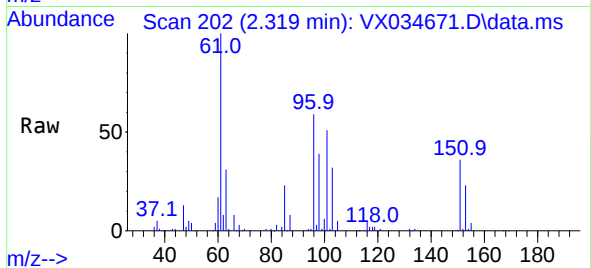




#12
1,1-Dichloroethene
Concen: 14.933 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

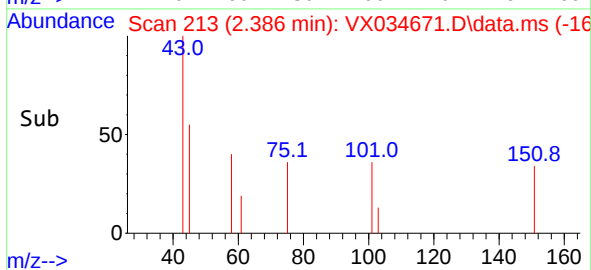
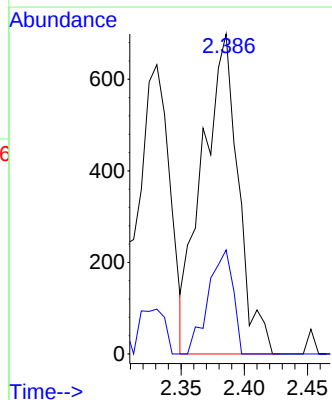
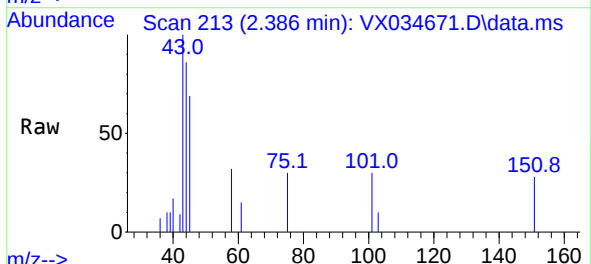
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

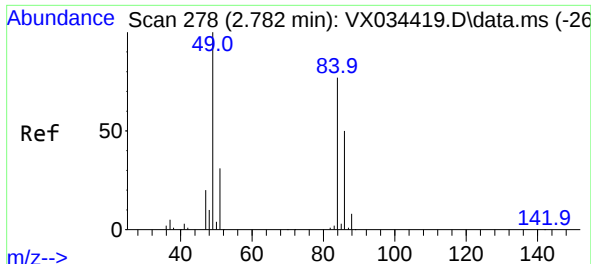
Tgt Ion: 96 Resp: 47139
Ion Ratio Lower Upper
96 100
61 170.3 128.8 193.2
98 66.2 51.4 77.0



#16
Acetone
Concen: 0.699 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

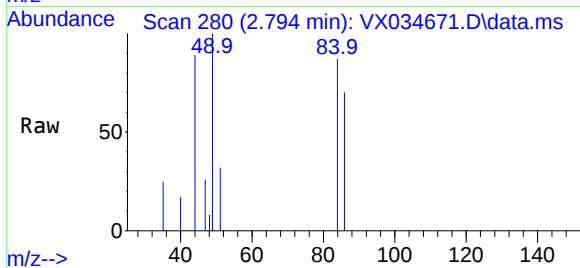
Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 32.5 24.7 37.1





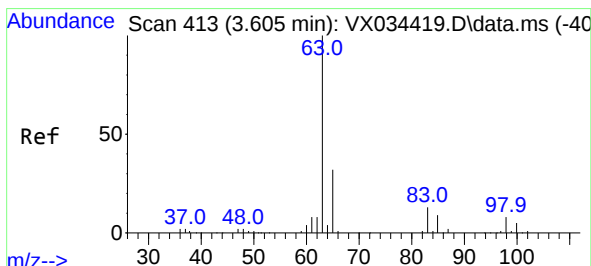
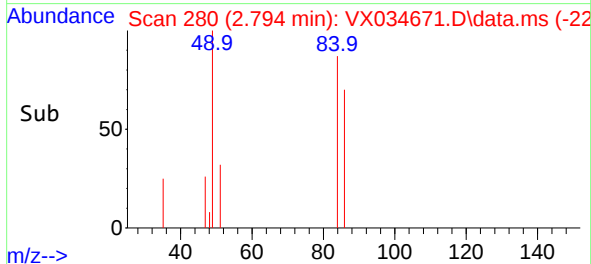
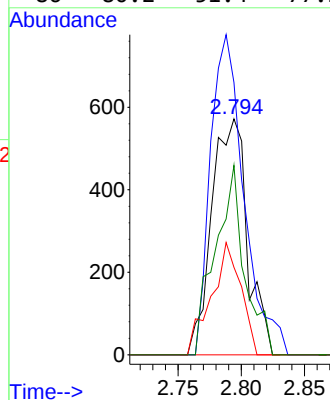
#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.794 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313



Tgt Ion: 84 Resp: 1117

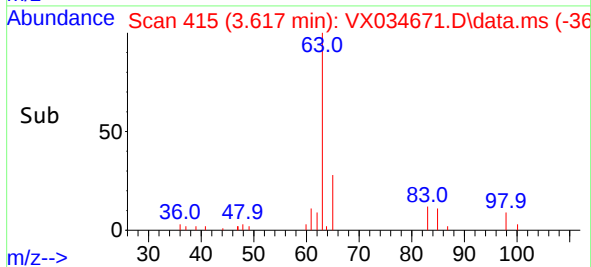
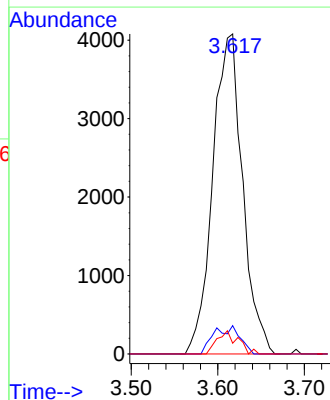
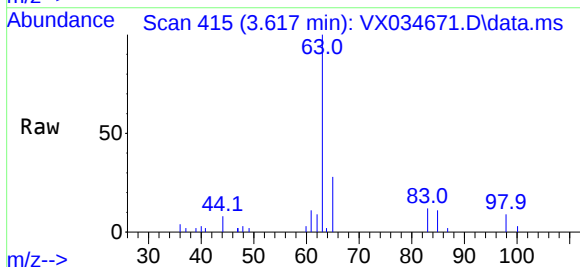
Ion	Ratio	Lower	Upper
84	100		
49	115.4	103.8	155.8
51	37.1	31.8	47.8
86	80.2	51.4	77.2

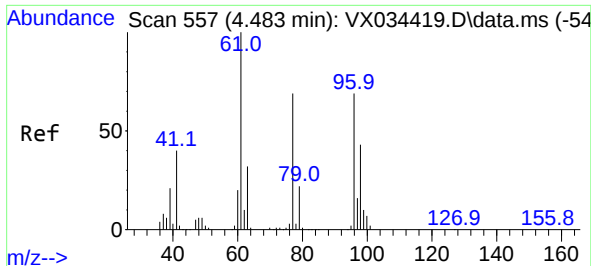


#24
1,1-Dichloroethane
Concen: 1.487 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 63 Resp: 9757

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.8	11.2
100	3.4	2.4	7.1



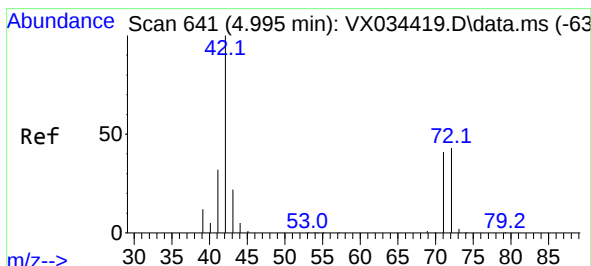
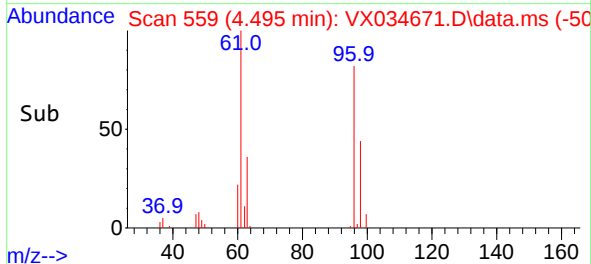
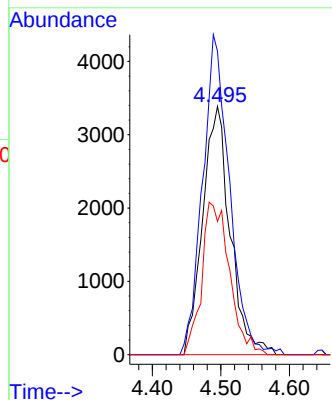
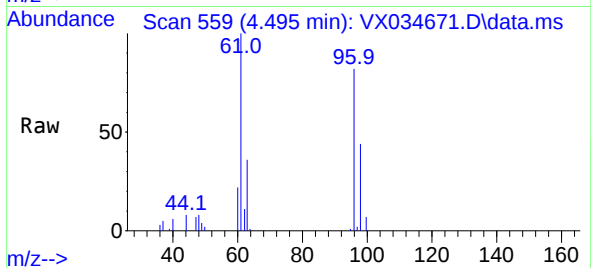


#27
 cis-1,2-Dichloroethene
 Concen: 2.342 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX034671.D
 Acq: 22 Mar 2023 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230313

Tgt Ion: 96 Resp: 9452

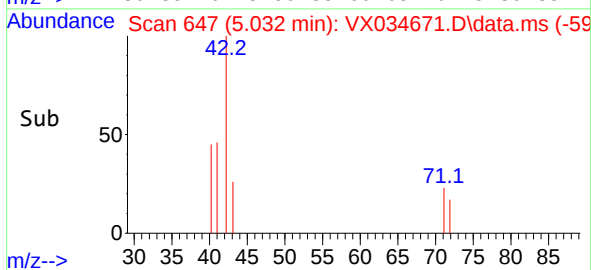
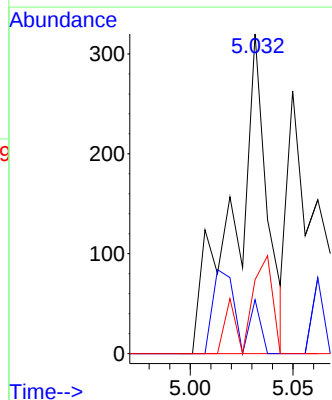
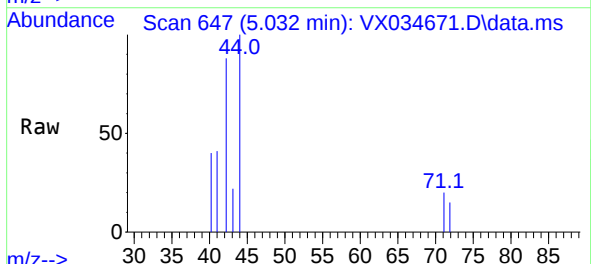
Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	300.4
98	61.8	0.0	129.0

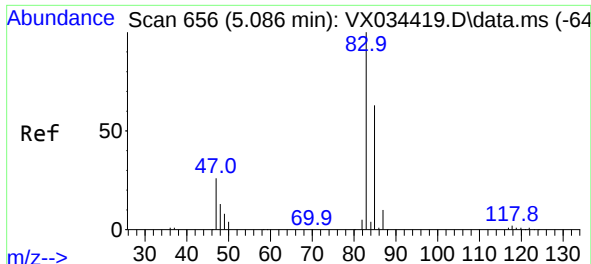


#29
 Tetrahydrofuran
 Concen: 0.203 ug/l
 RT: 5.032 min Scan# 647
 Delta R.T. 0.037 min
 Lab File: VX034671.D
 Acq: 22 Mar 2023 14:48

Tgt Ion: 42 Resp: 355

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	23.4	32.1	48.1#





#30

Chloroform

Concen: 0.659 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

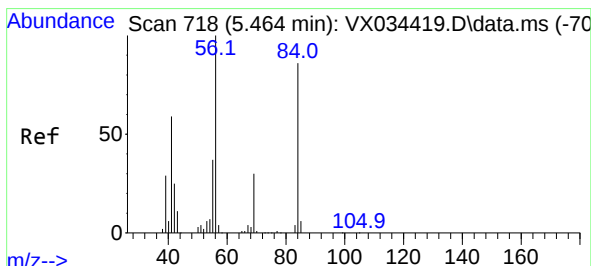
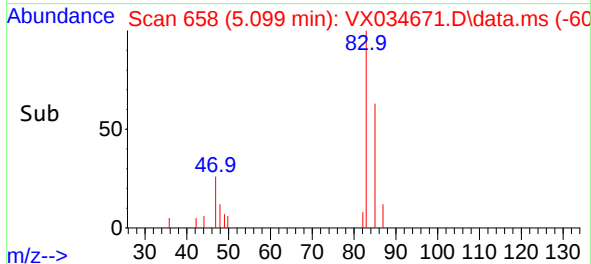
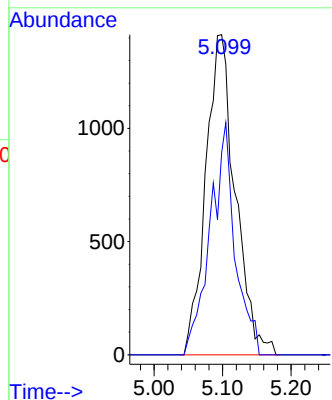
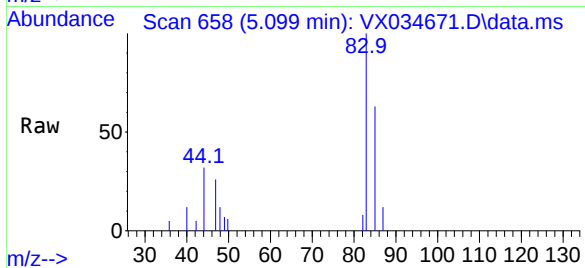
TT180D2-20230313

Tgt Ion: 83 Resp: 4236

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

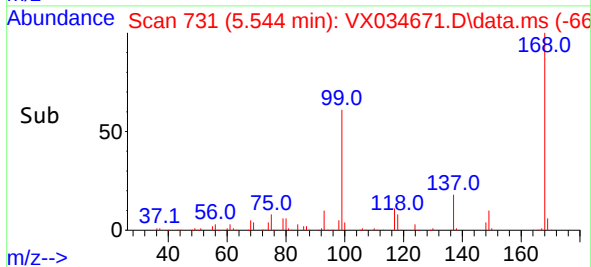
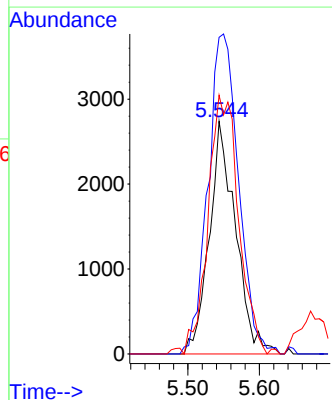
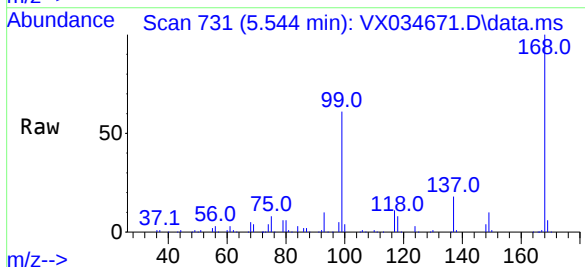
Tgt Ion: 56 Resp: 6999

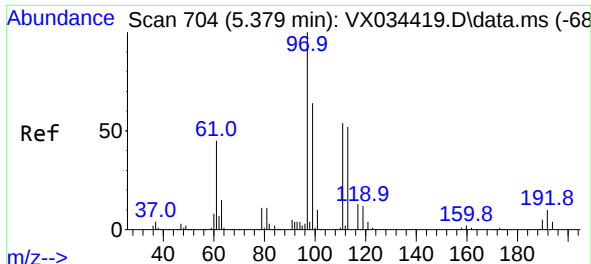
Ion Ratio Lower Upper

56 100

69 136.1 23.7 35.5#

84 111.2 68.5 102.7#

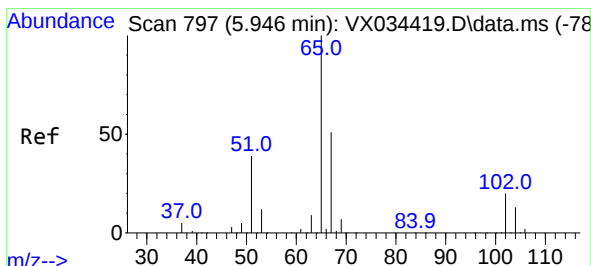
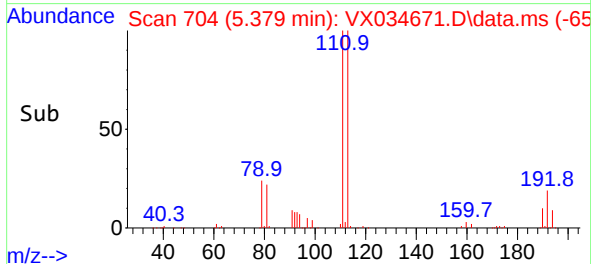
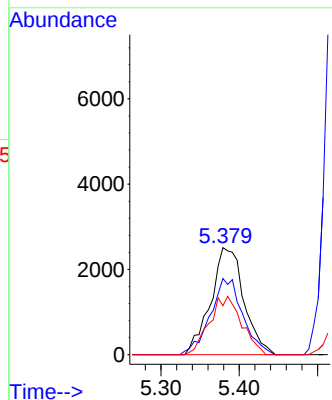
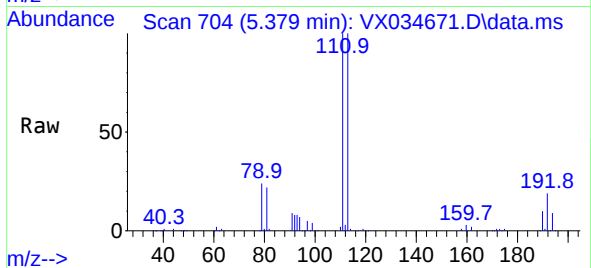




#32
1,1,1-Trichloroethane
Concen: 1.300 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

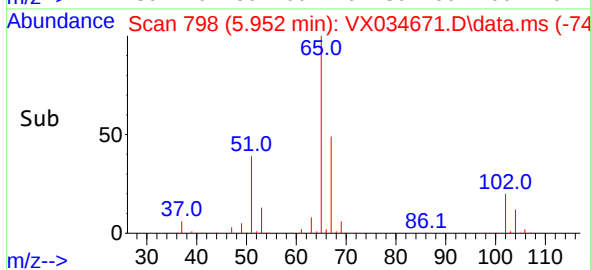
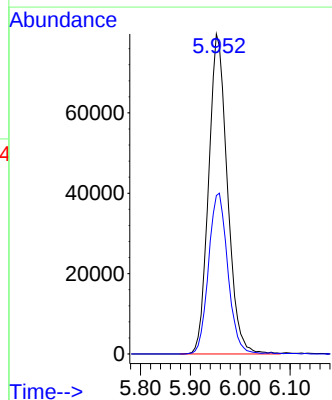
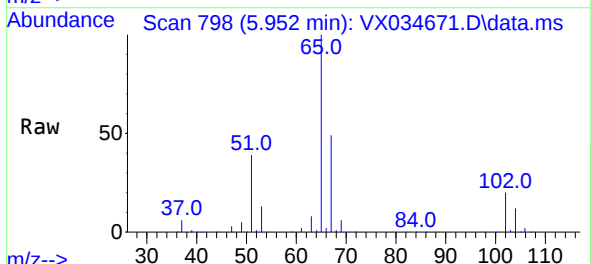
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

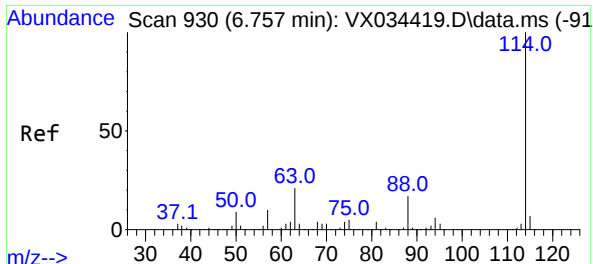
Tgt Ion: 97 Resp: 7398
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 52.9 36.5 54.7



#33
1,2-Dichloroethane-d4
Concen: 49.676 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 65 Resp: 208396
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0

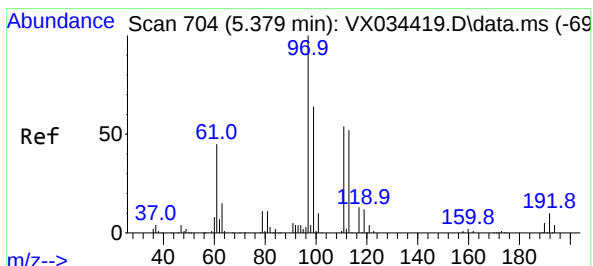
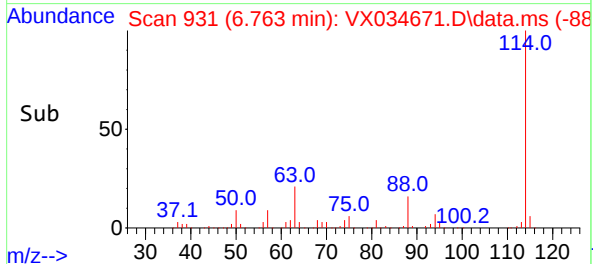
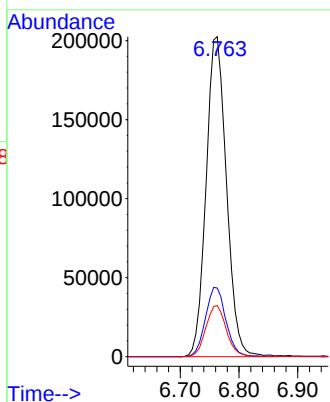
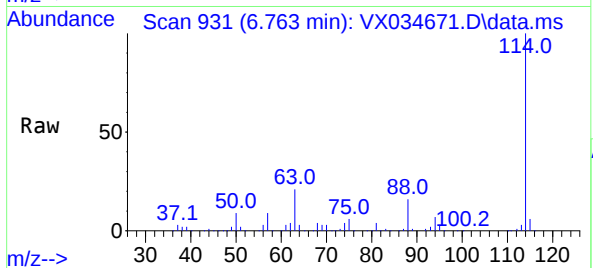




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

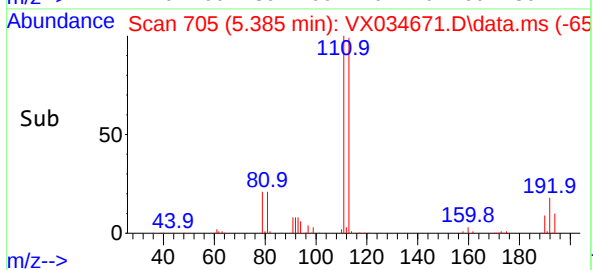
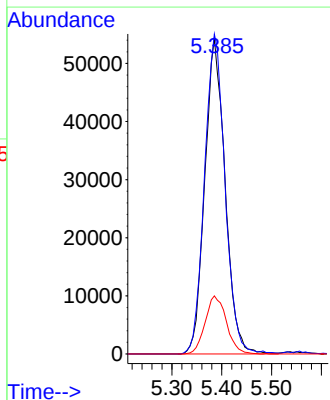
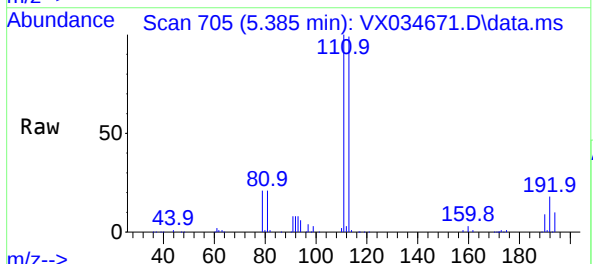
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

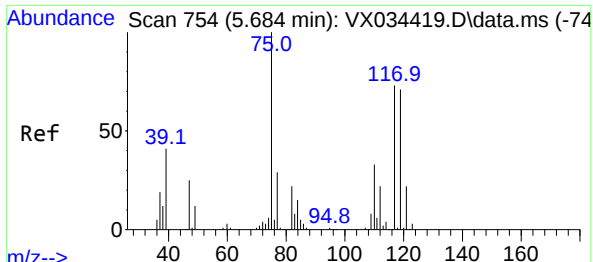
Tgt Ion:114 Resp: 488194
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.2
88 16.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.625 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion:113 Resp: 153510
Ion Ratio Lower Upper
113 100
111 102.6 83.7 125.5
192 19.2 15.4 23.2

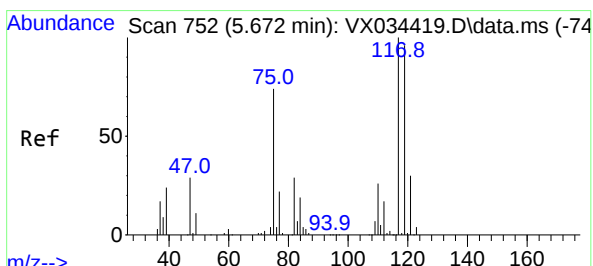
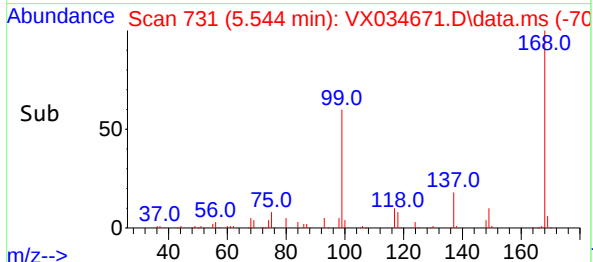
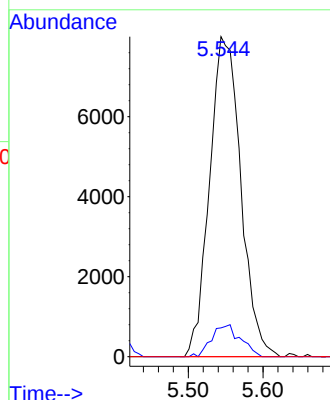
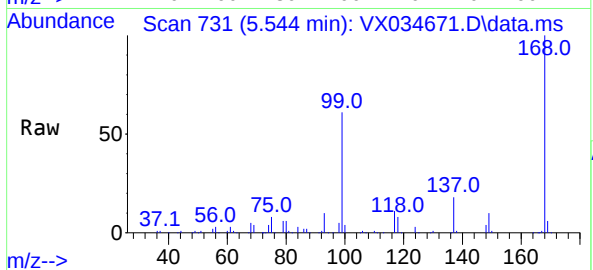




#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

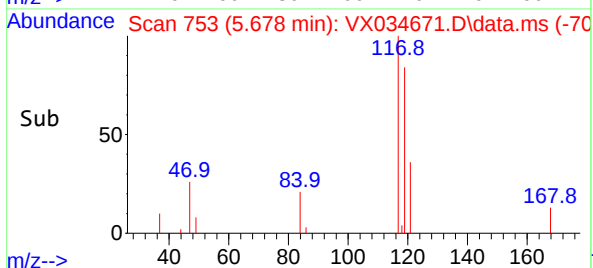
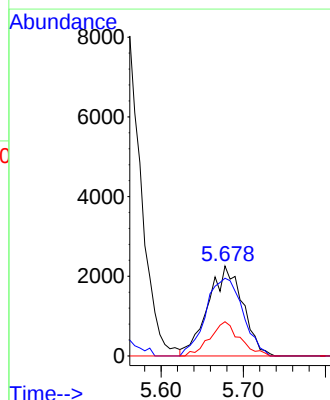
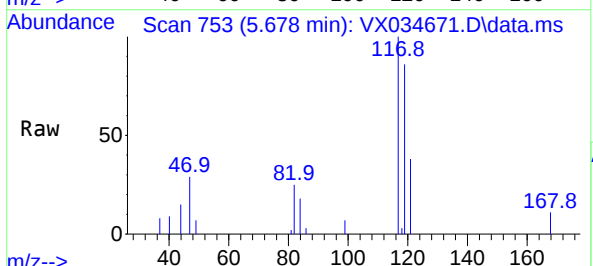
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

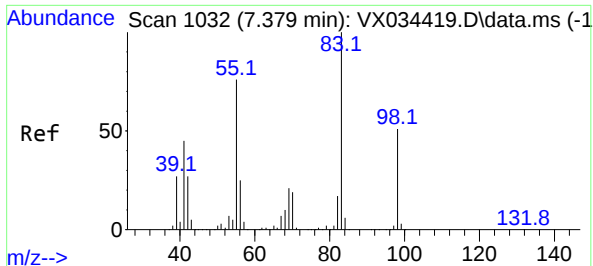
Tgt Ion: 75 Resp: 23219
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 1.350 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 117 Resp: 6648
Ion Ratio Lower Upper
117 100
119 86.5 76.6 114.8
121 38.2 23.8 35.6#





#39

Methylcyclohexane

Concen: 2.379 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230313

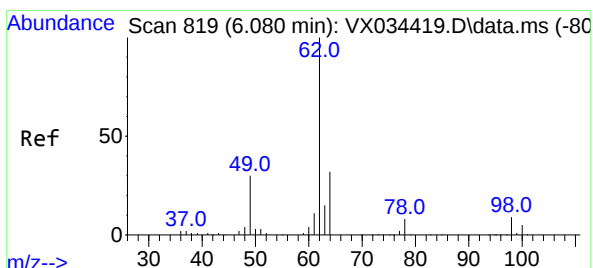
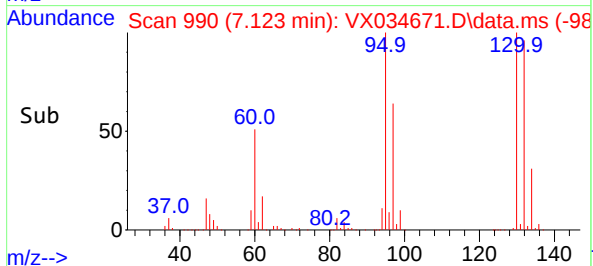
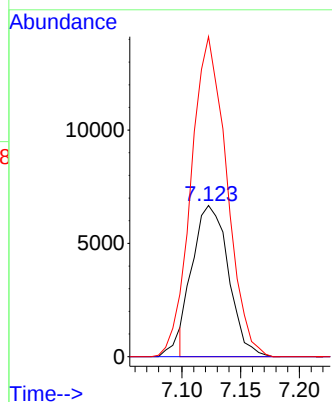
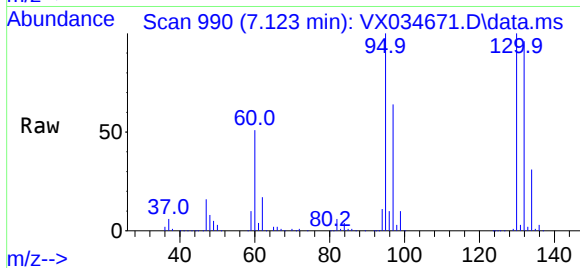
Tgt Ion: 83 Resp: 14096

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 211.6 40.4 60.6#



#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.012 min

Lab File: VX034671.D

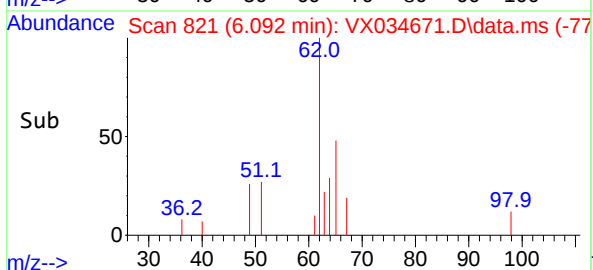
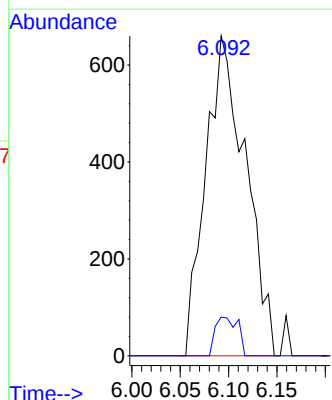
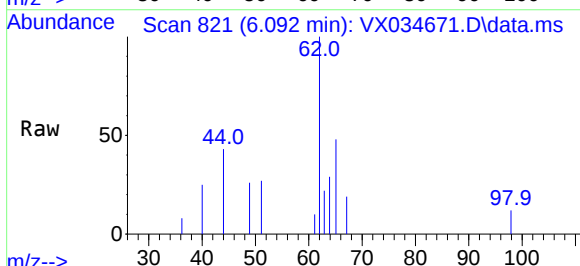
Acq: 22 Mar 2023 14:48

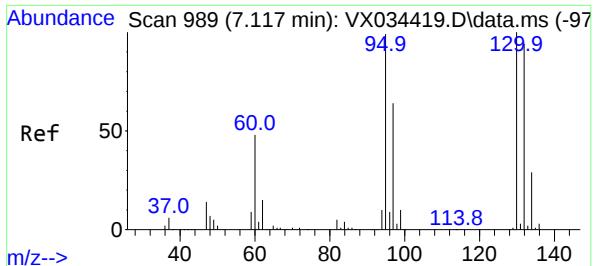
Tgt Ion: 62 Resp: 1901

Ion Ratio Lower Upper

62 100

98 6.8 0.0 18.0

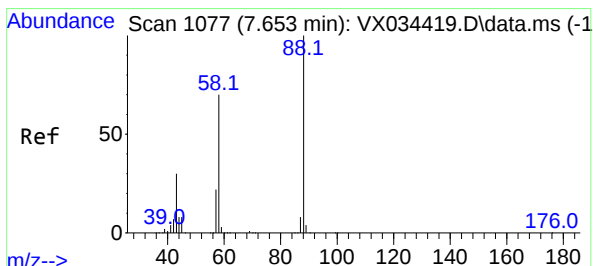
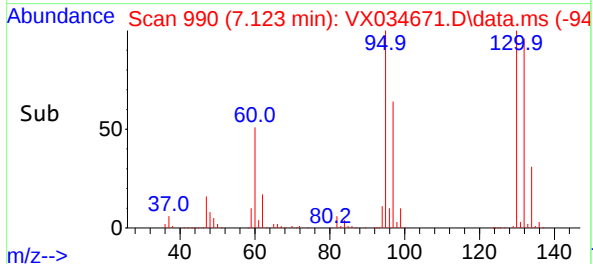
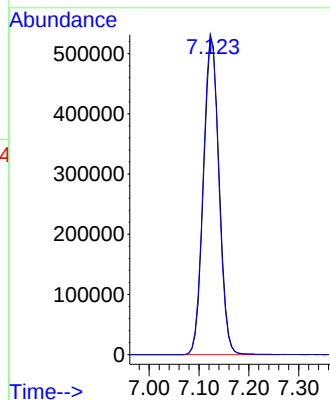
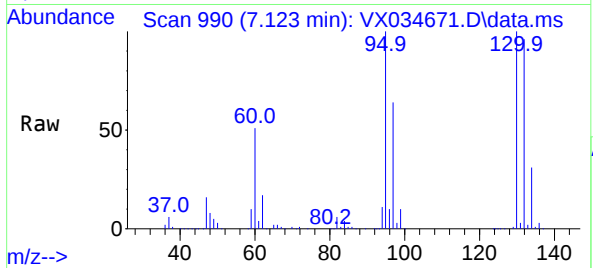




#44
Trichloroethene
Concen: 305.768 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

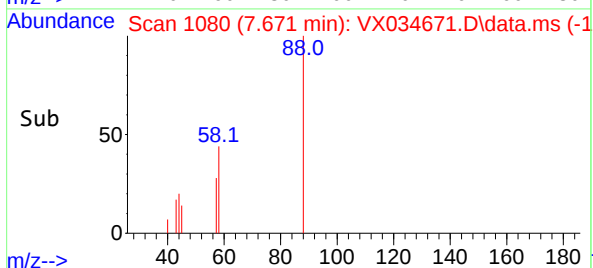
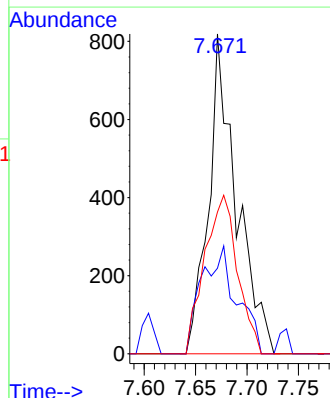
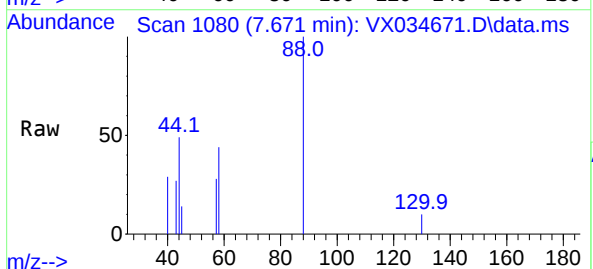
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

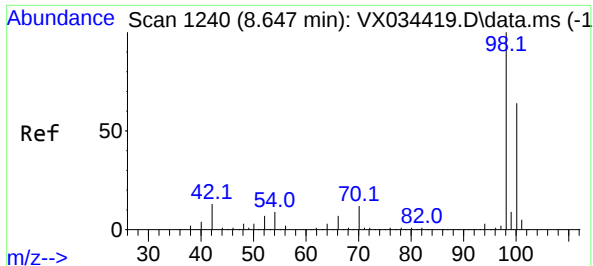
Tgt Ion:130 Resp: 1150610
Ion Ratio Lower Upper
130 100
95 100.4 0.0 198.4



#49
1,4-Dioxane
Concen: 16.746 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 88 Resp: 1550
Ion Ratio Lower Upper
88 100
43 42.6 27.7 41.5#
58 58.4 56.8 85.2

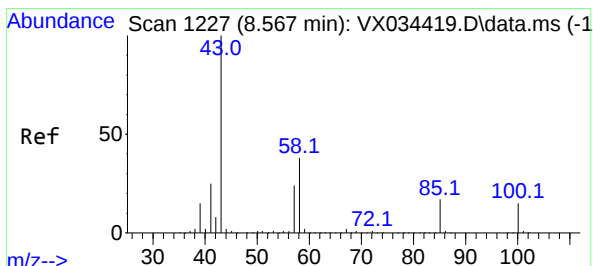
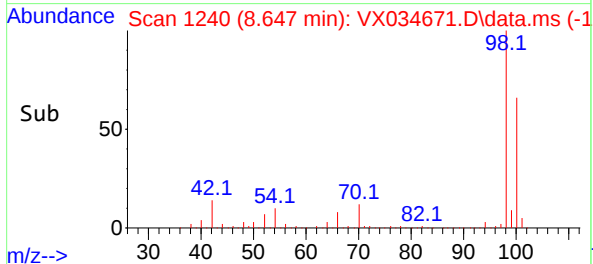
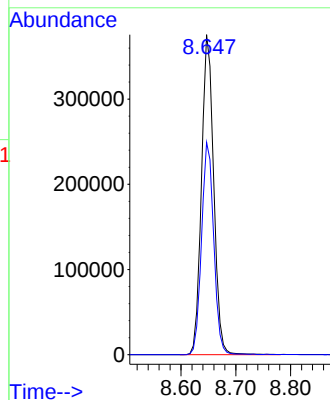
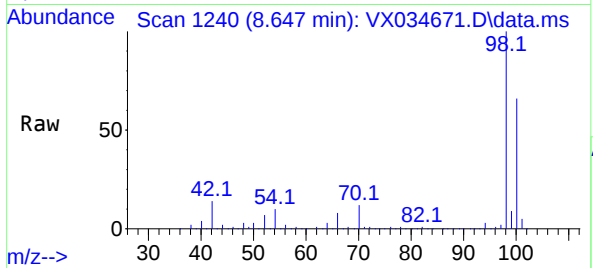




#50
Toluene-d8
Concen: 48.242 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

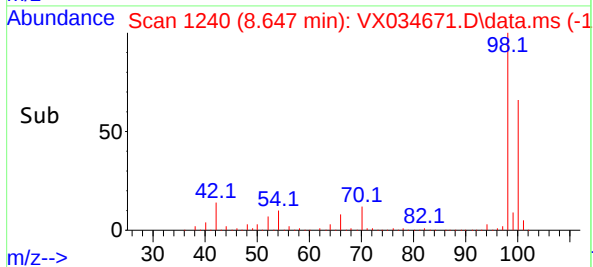
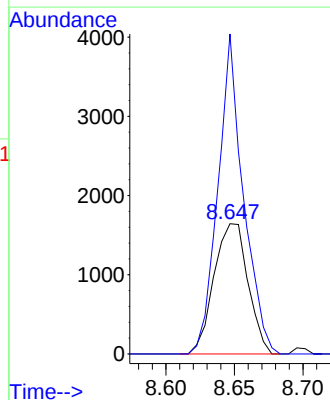
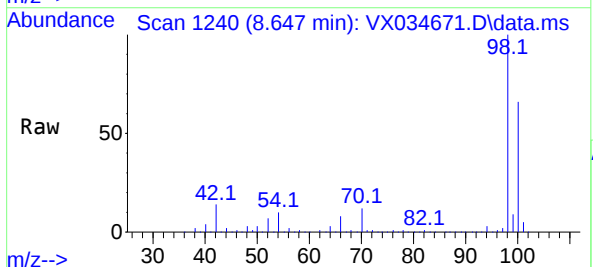
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

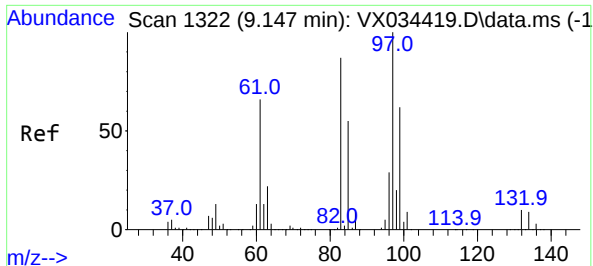
Tgt Ion: 98 Resp: 580480
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
58 183.5 30.6 46.0#



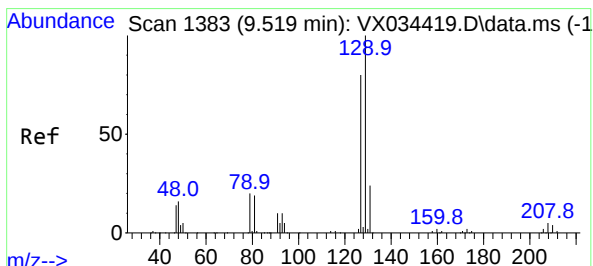
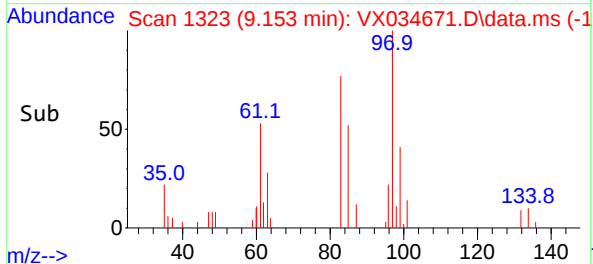
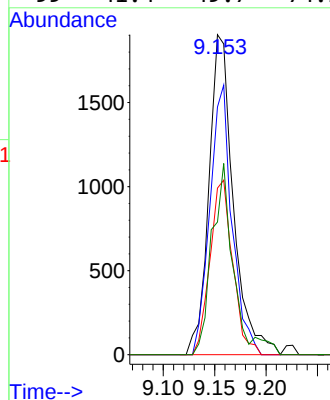
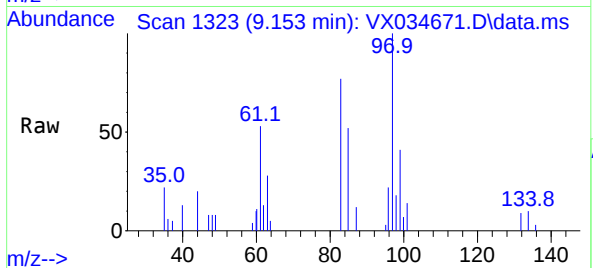


#55
1,1,2-Trichloroethane
Concen: 0.889 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

Tgt Ion: 97 Resp: 3162

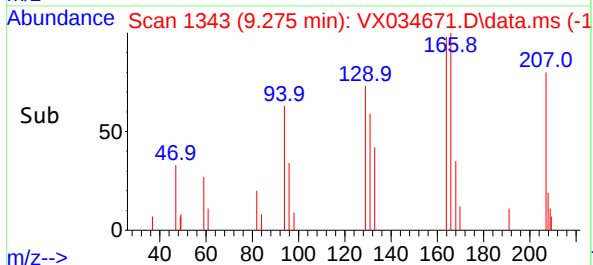
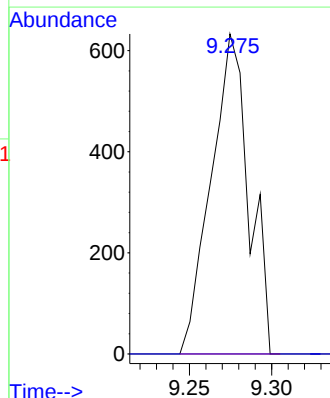
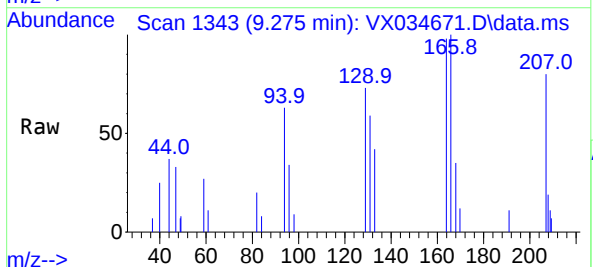
Ion	Ratio	Lower	Upper
97	100		
83	77.4	69.7	104.5
85	52.0	43.7	65.5
99	41.4	49.7	74.5#

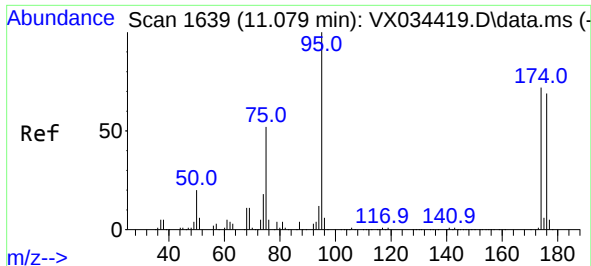


#60
Dibromochloromethane
Concen: 0.272 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 129 Resp: 1014

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	117.0#

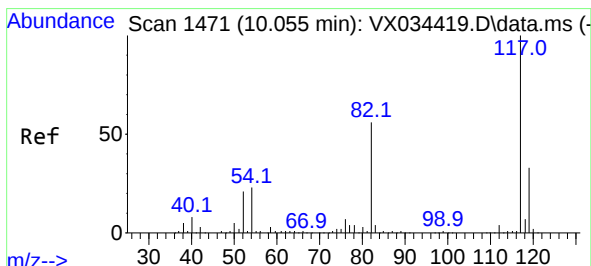
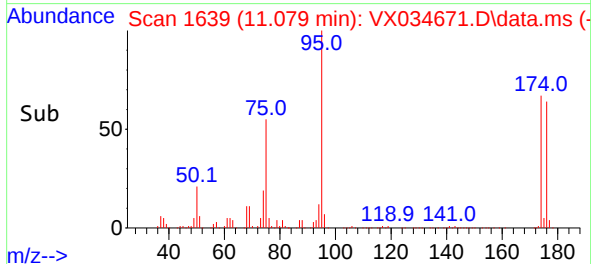
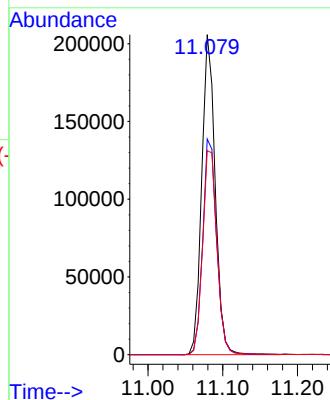
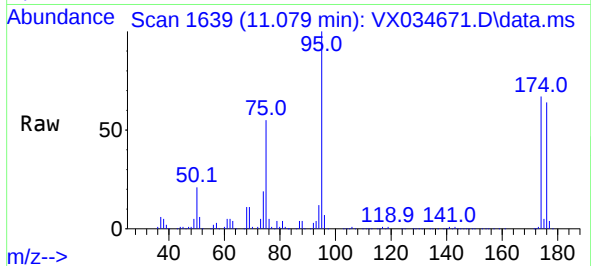




#62
4-Bromofluorobenzene
Concen: 52.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

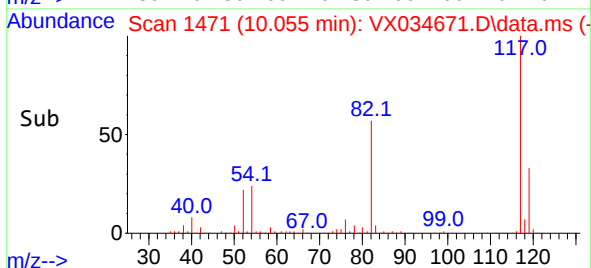
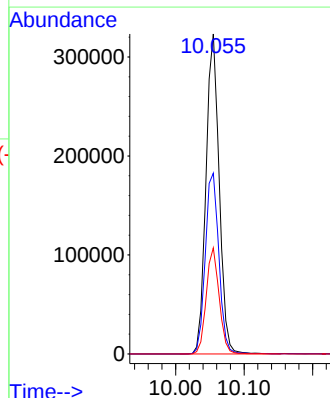
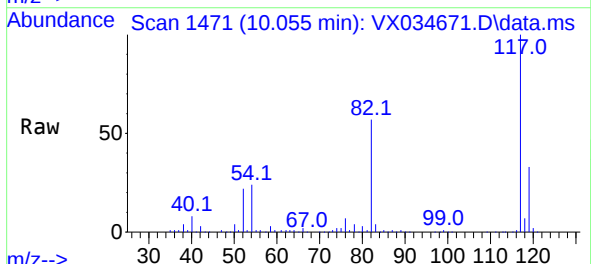
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

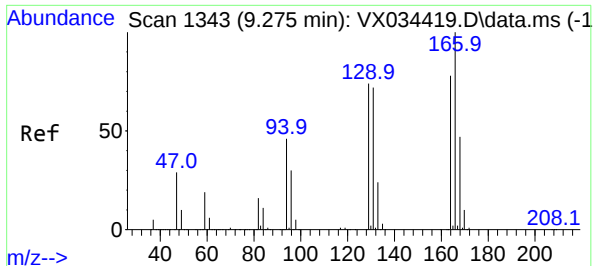
Tgt Ion: 95 Resp: 257199
Ion Ratio Lower Upper
95 100
174 69.7 0.0 147.4
176 67.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

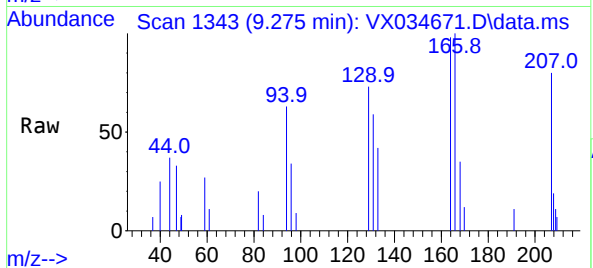
Tgt Ion: 117 Resp: 434103
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 33.2 26.0 39.0



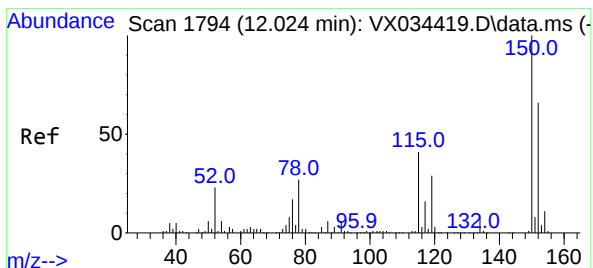
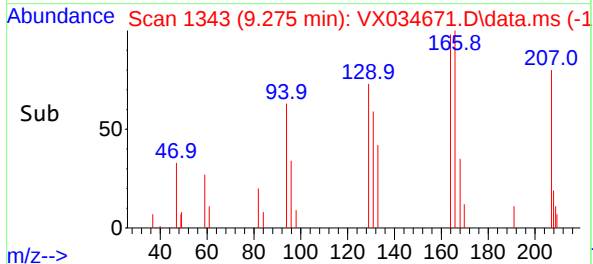
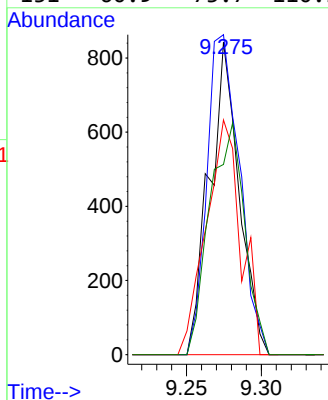


#64
Tetrachloroethene
Concen: 0.400 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

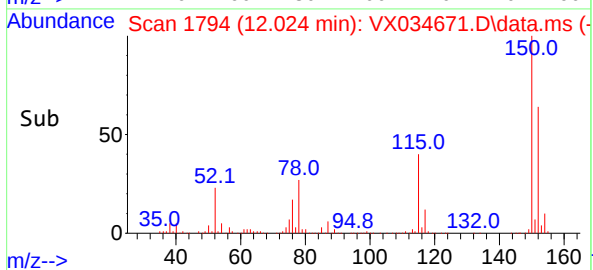
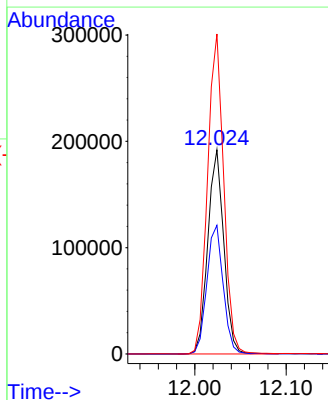
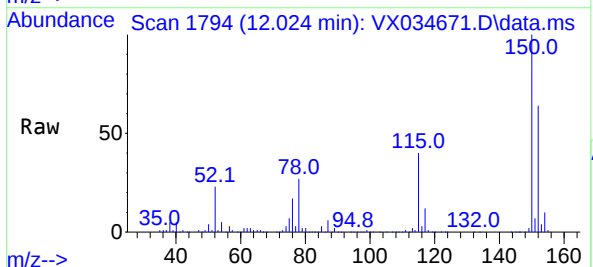


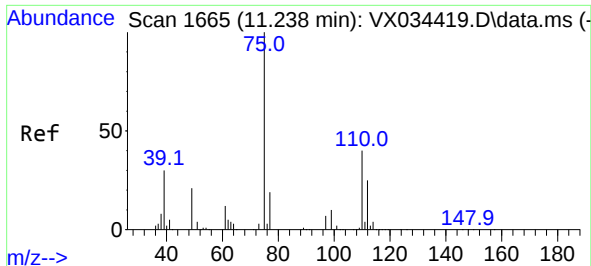
Tgt Ion:164 Resp: 1166
Ion Ratio Lower Upper
164 100
166 102.4 102.7 154.1#
129 75.1 75.6 113.4#
131 60.9 73.7 110.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion:152 Resp: 233388
Ion Ratio Lower Upper
152 100
115 64.5 45.0 135.0
150 158.5 0.0 352.4

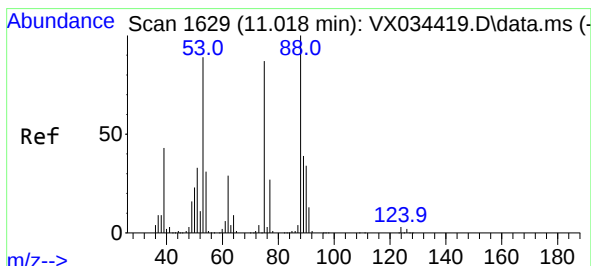
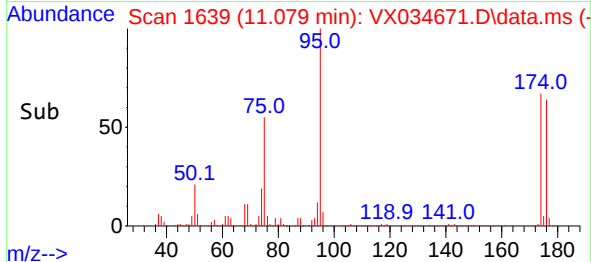
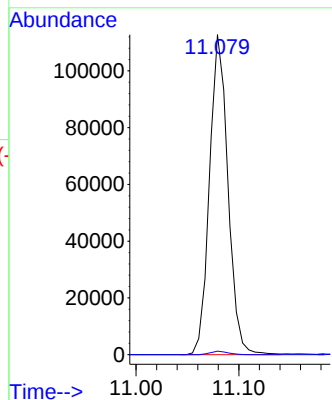
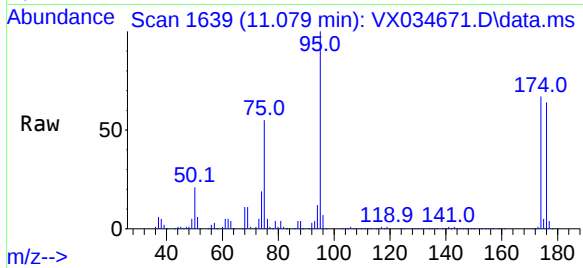




#76
1,2,3-Trichloropropane
Concen: 26.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

Tgt Ion: 75 Resp: 140917
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.139 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 75 Resp: 140917
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#

