

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052022\
 Data File : VX028879.D
 Acq On : 21 May 2022 03:24
 Operator : JC/MD
 Sample : N2970-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 70BR-10-20220519

Quant Time: May 21 06:08:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

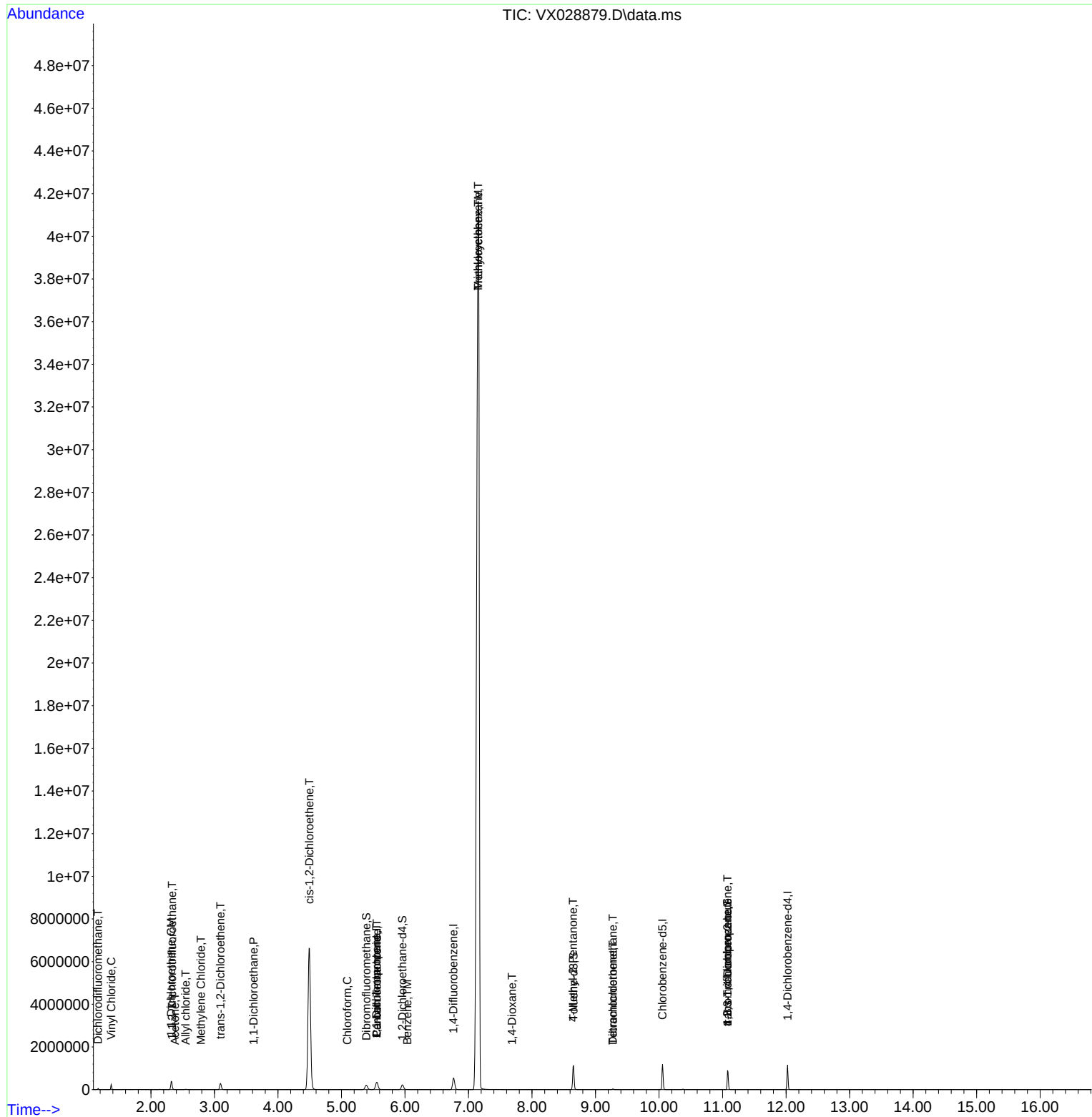
Internal Standards						
1) Pentafluorobenzene	5.556	168	319261	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	567563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	227203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	229471	52.435	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.860%	
35) Dibromofluoromethane	5.391	113	183482	49.342	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.680%	
50) Toluene-d8	8.653	98	669928	47.785	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.560%	
62) 4-Bromofluorobenzene	11.079	95	244368	46.666	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.340%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	25061	5.995	ug/l	98
4) Vinyl Chloride	1.374	62	140820	33.191	ug/l	98
5) Bromomethane	1.618	94	1230	Below Cal		86
9) 1,1,2-Trichlorotrifluo...	2.331	101	5299	1.489	ug/l	95
11) Tert butyl alcohol	2.953	59	744	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	124772	37.762	ug/l	93
14) Allyl chloride	2.544	41	1942	0.366	ug/l #	49
16) Acetone	2.380	43	3030	1.613	ug/l	97
20) Methylene Chloride	2.788	84	868	0.220	ug/l #	75
21) trans-1,2-Dichloroethene	3.093	96	120239	32.306	ug/l	96
24) 1,1-Dichloroethane	3.617	63	2740	0.416	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	4351262	1001.003	ug/l	89
30) Chloroform	5.093	83	2351	0.330	ug/l #	83
36) 1,1-Dichloropropene	5.550	75	26310	4.711	ug/l #	49
38) Carbon Tetrachloride	5.556	117	34838	6.198	ug/l #	16
39) Methylcyclohexane	7.153	83	314175	49.050	ug/l #	1
40) Benzene	6.038	78	4206	0.262	ug/l	91
44) Trichloroethene	7.153	130	20001114	4594.378	ug/l	97
49) 1,4-Dioxane	7.684	88	104	0.944	ug/l #	61
51) 4-Methyl-2-Pentanone	8.647	43	2848	0.474	ug/l #	1
60) Dibromochloromethane	9.275	129	5728	1.395	ug/l #	9
64) Tetrachloroethene	9.275	164	5964	1.538	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	128035	24.063	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	128035	70.099	ug/l #	15

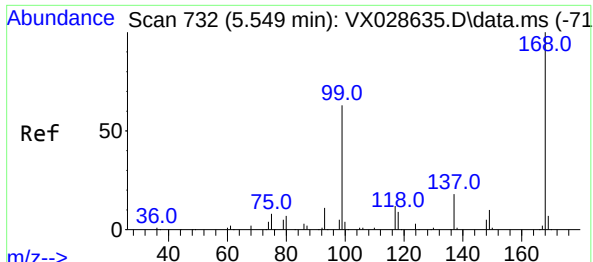
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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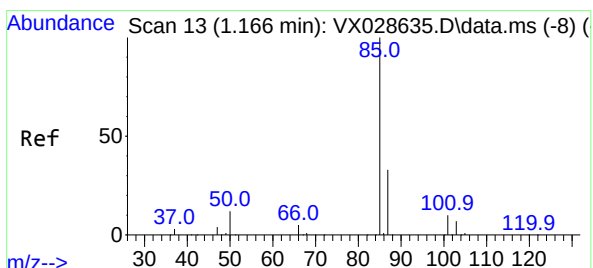
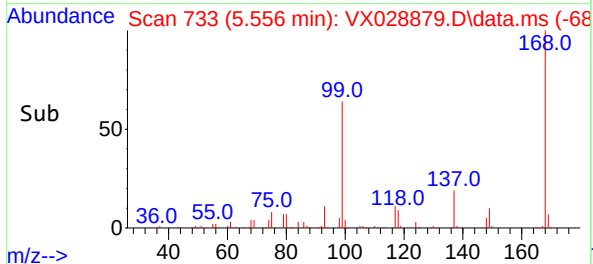
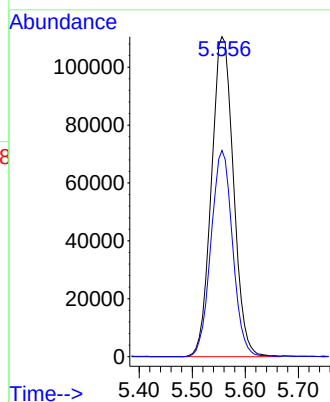
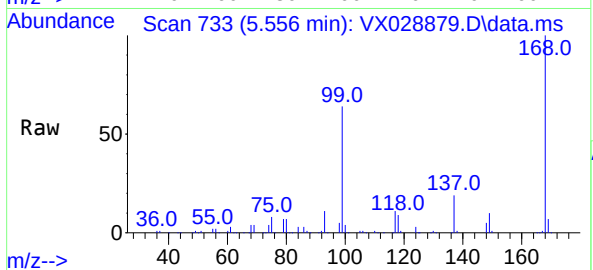




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

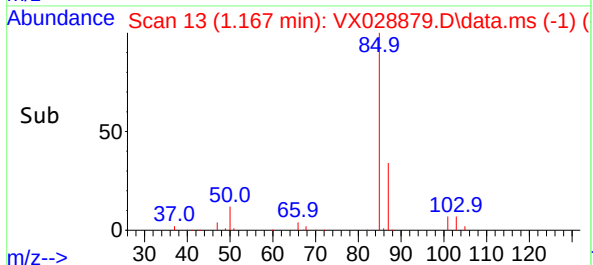
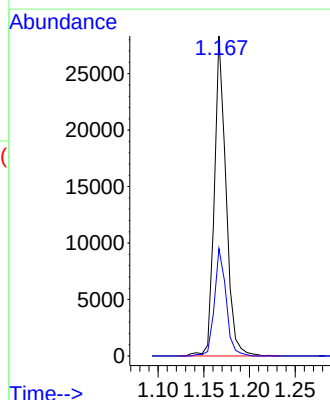
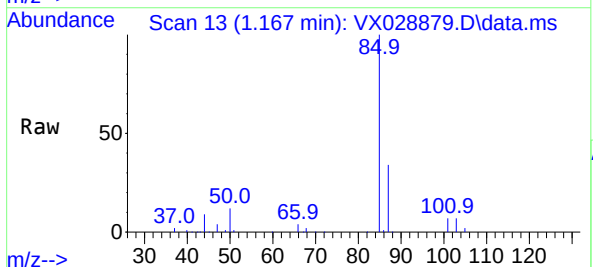
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

Tgt Ion:168 Resp: 319261
Ion Ratio Lower Upper
168 100
99 64.5 41.7 62.5#

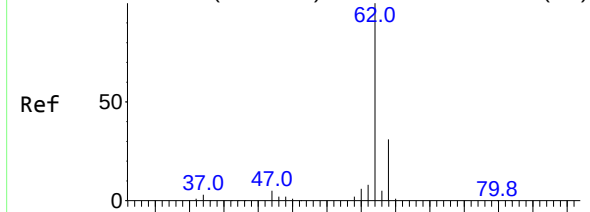


#2
Dichlorodifluoromethane
Concen: 5.995 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 85 Resp: 25061
Ion Ratio Lower Upper
85 100
87 33.6 16.2 48.6

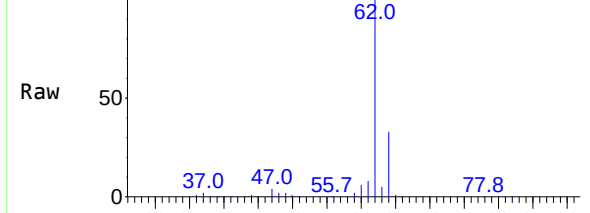


Abundance Scan 47 (1.373 min): VX028635.D\data.ms (-42)



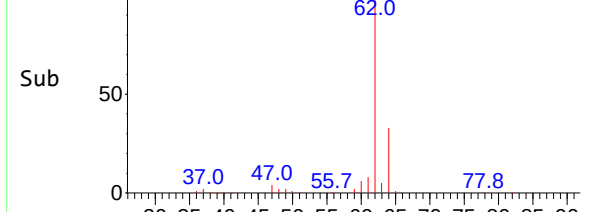
m/z-->

Abundance Scan 47 (1.374 min): VX028879.D\data.ms



m/z-->

Abundance Scan 47 (1.374 min): VX028879.D\data.ms (-1)



m/z-->

#4

Vinyl Chloride

Concen: 33.191 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.001 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

Instrument :

MSVOA_X

ClientSampleId :

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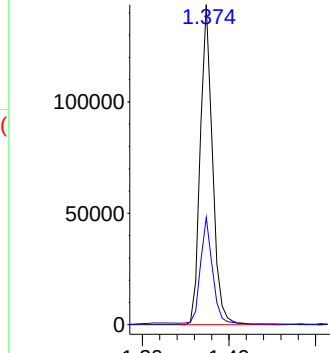
Tgt Ion: 62 Resp: 140820

Ion Ratio Lower Upper

62 100

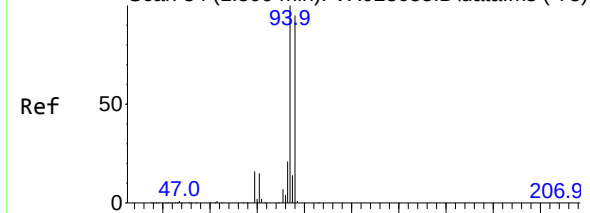
64 33.3 25.5 38.3

Abundance



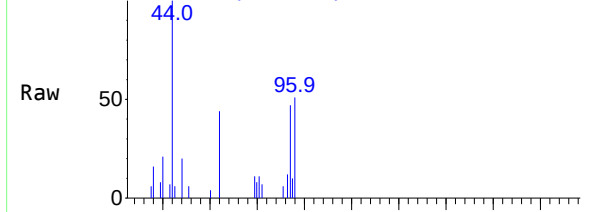
Time-->

Abundance Scan 84 (1.599 min): VX028635.D\data.ms (-78)



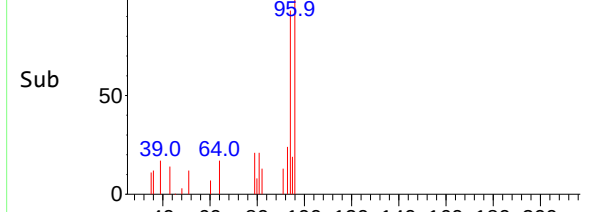
m/z-->

Abundance Scan 87 (1.618 min): VX028879.D\data.ms



m/z-->

Abundance Scan 87 (1.618 min): VX028879.D\data.ms (-35)



m/z-->

#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

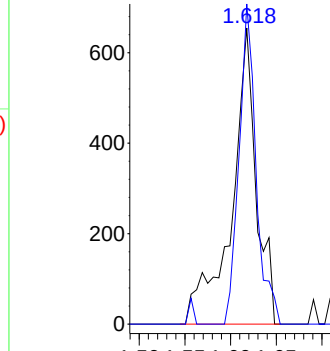
Tgt Ion: 94 Resp: 1230

Ion Ratio Lower Upper

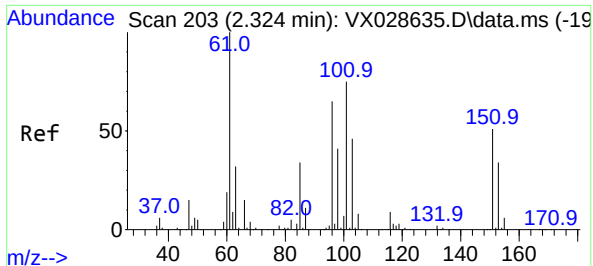
94 100

96 108.1 75.3 112.9

Abundance



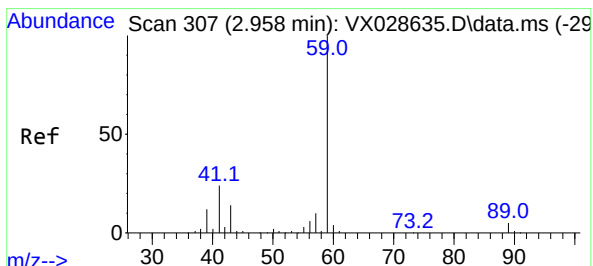
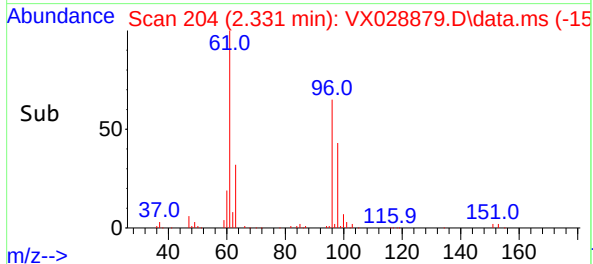
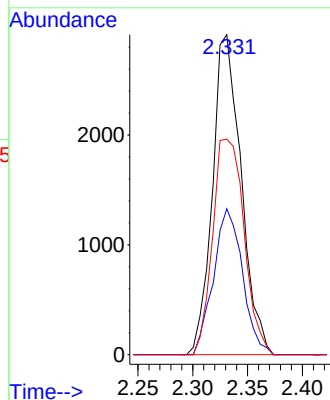
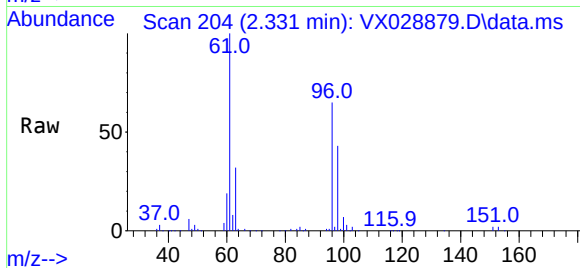
Time-->



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.489 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

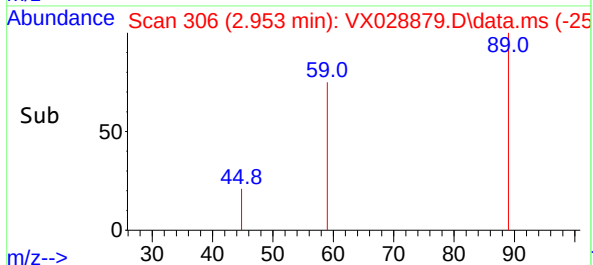
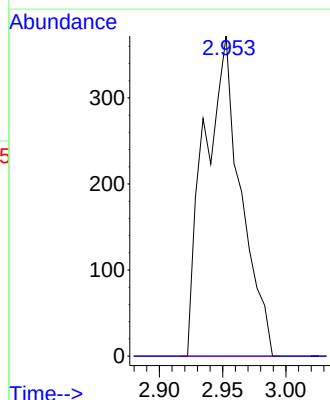
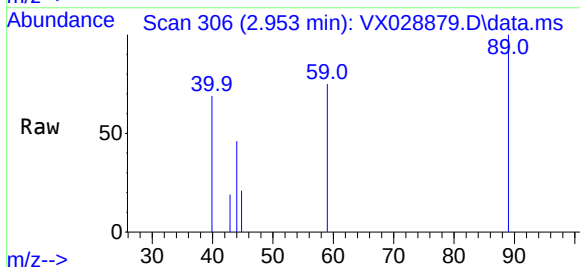
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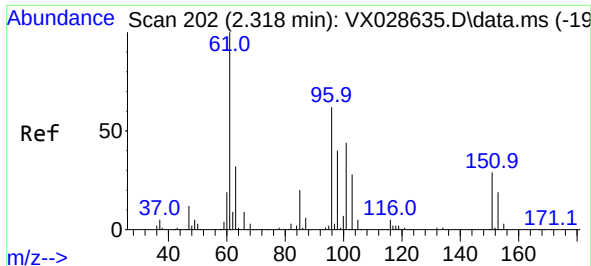
Tgt Ion:101 Resp: 5299
Ion Ratio Lower Upper
101 100
85 46.3 33.5 50.3
151 73.9 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 59 Resp: 744
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

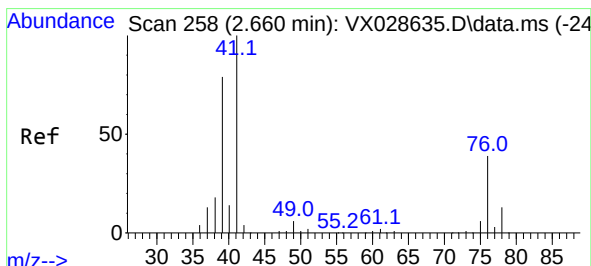
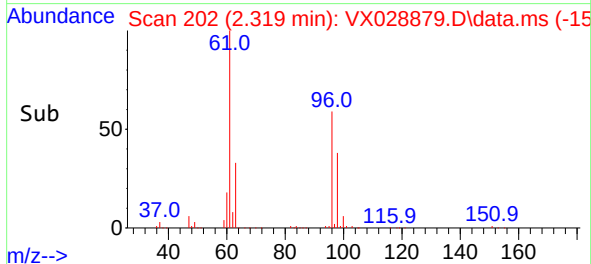
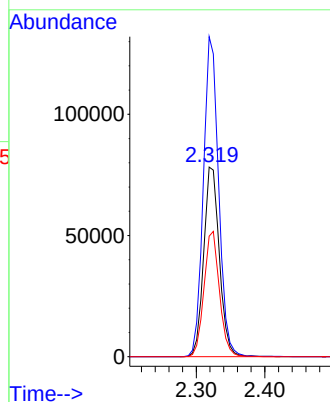
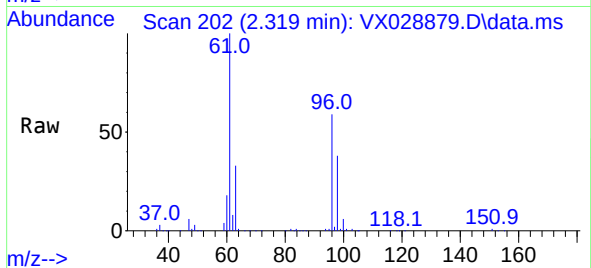




#12
1,1-Dichloroethene
Concen: 37.762 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

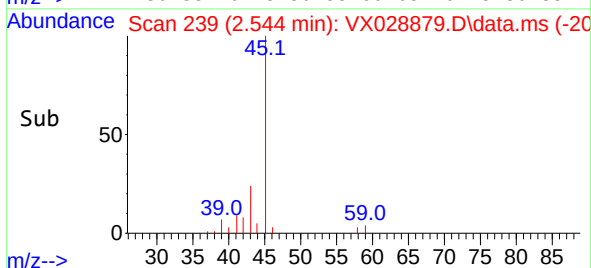
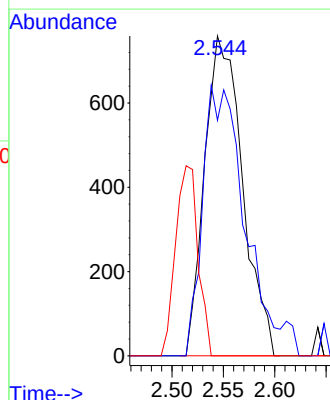
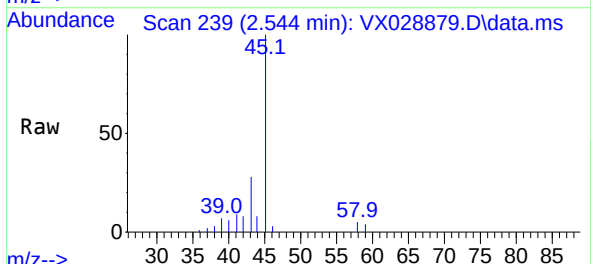
Instrument :
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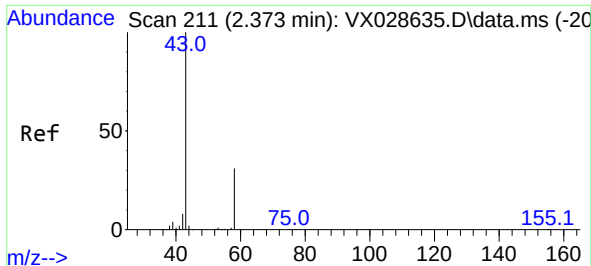
Tgt Ion: 96 Resp: 124772
Ion Ratio Lower Upper
96 100
61 168.8 124.6 187.0
98 63.5 51.0 76.4



#14
Allyl chloride
Concen: 0.366 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.116 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 41 Resp: 1942
Ion Ratio Lower Upper
41 100
39 95.7 50.4 75.6#
76 0.0 32.7 49.1#

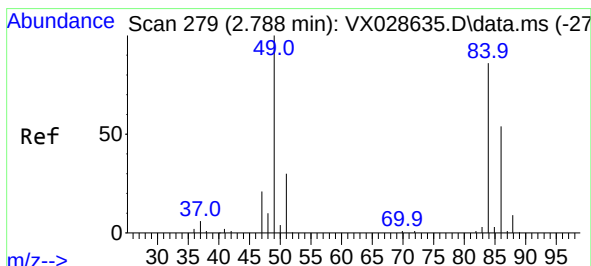
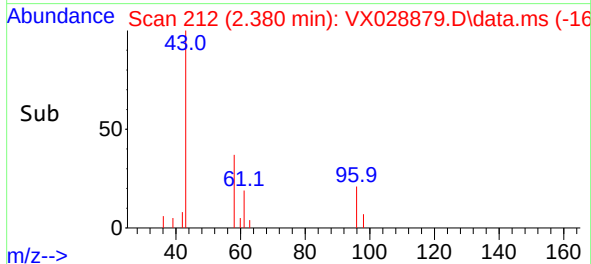
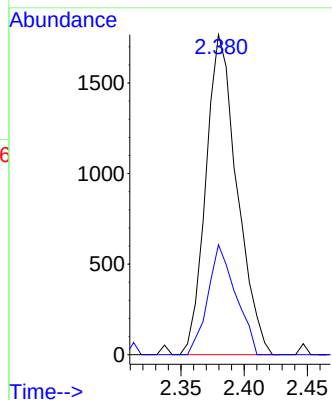
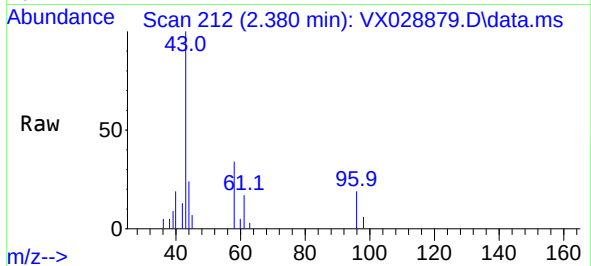




#16
Acetone
Concen: 1.613 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

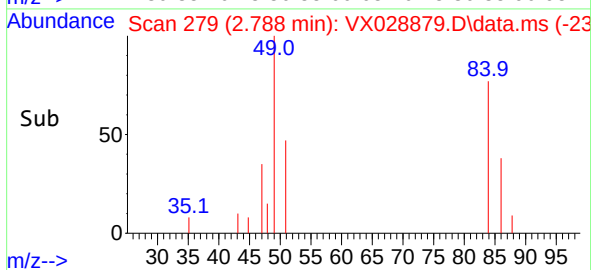
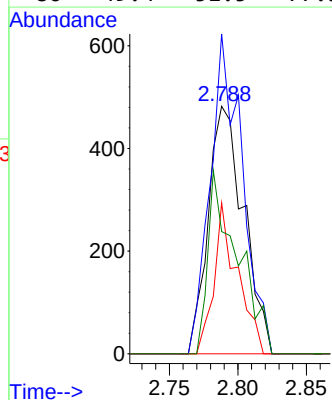
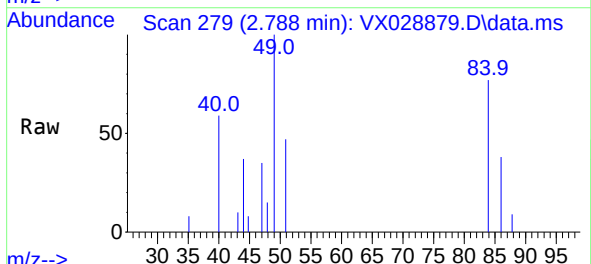
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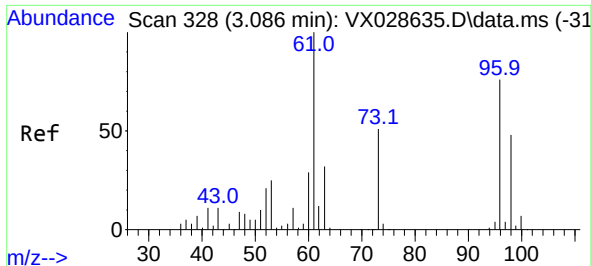
Tgt Ion: 43 Resp: 3030
Ion Ratio Lower Upper
43 100
58 34.4 28.8 43.2



#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 129.3 85.5 128.3#
51 61.0 26.6 39.8#
86 49.4 51.5 77.3#

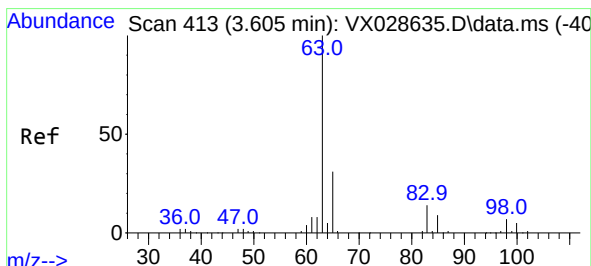
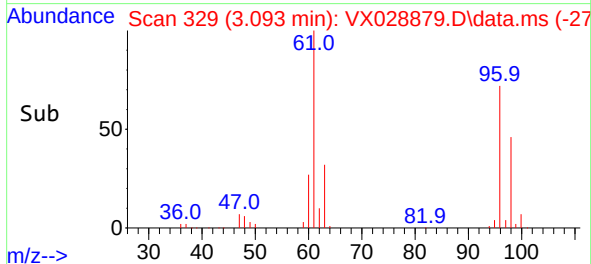
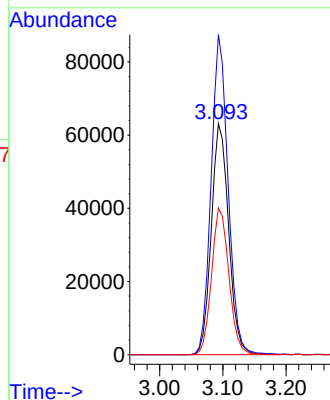
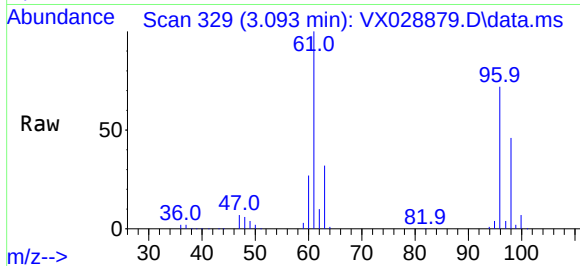




#21
trans-1,2-Dichloroethene
Concen: 32.306 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

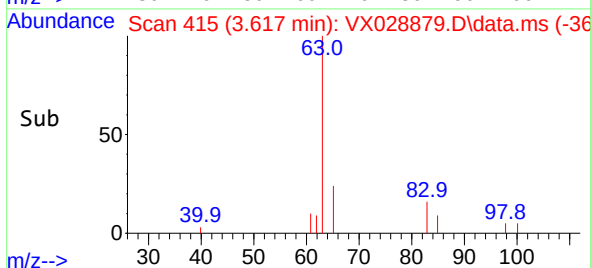
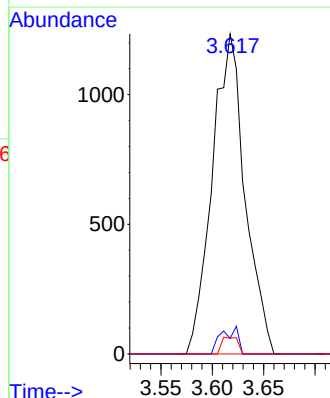
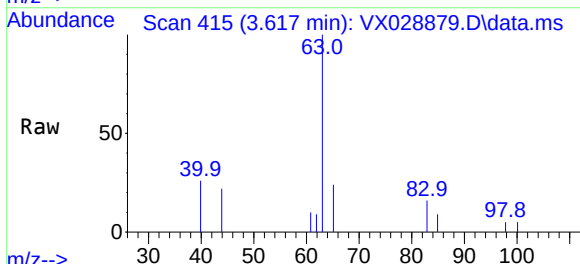
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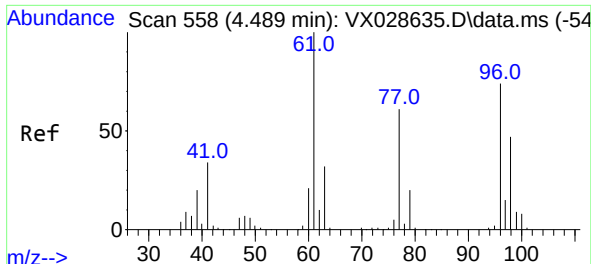
Tgt Ion: 96 Resp: 120239
Ion Ratio Lower Upper
96 100
61 138.4 105.4 158.2
98 63.5 50.0 75.0



#24
1,1-Dichloroethane
Concen: 0.416 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 63 Resp: 2740
Ion Ratio Lower Upper
63 100
98 4.9 3.9 11.7
100 4.9 2.4 7.2

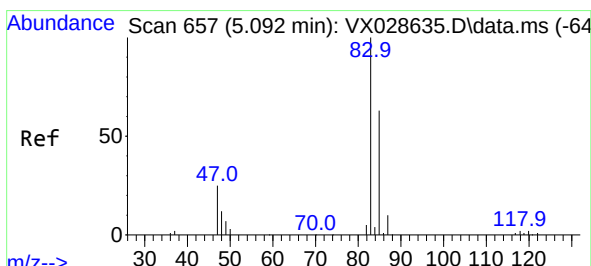
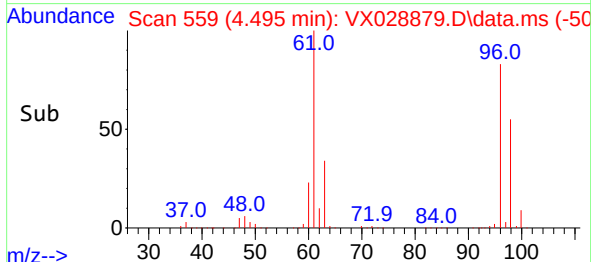
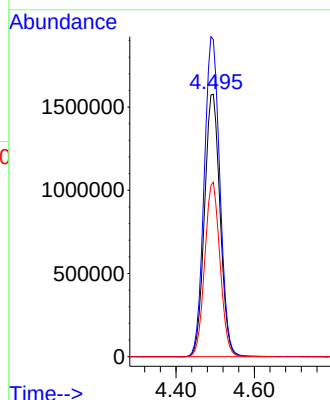
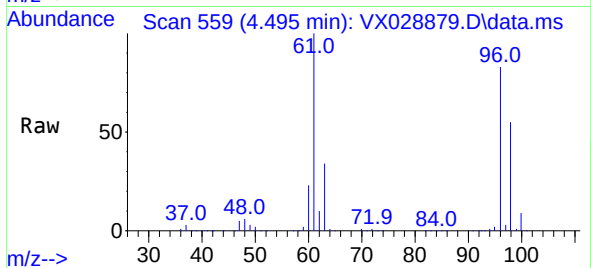




#27
cis-1,2-Dichloroethene
Concen: 1001.003 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

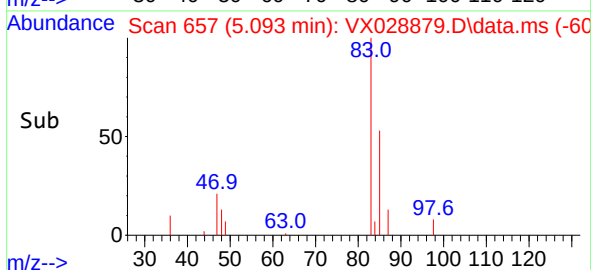
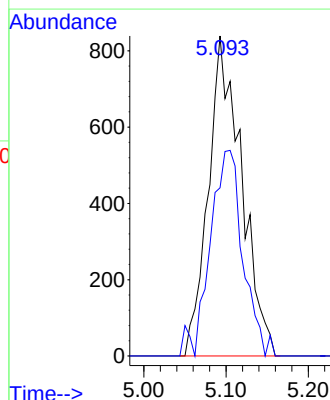
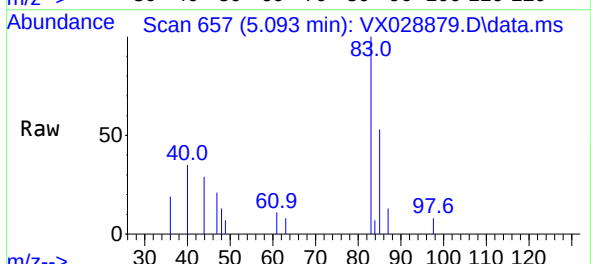
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

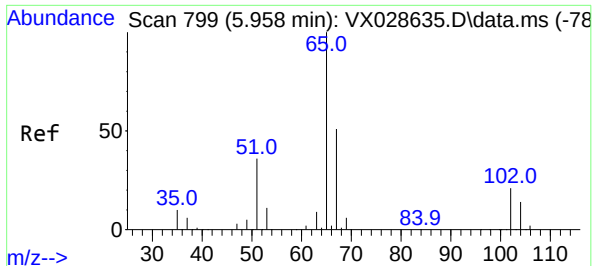
Tgt Ion: 96 Resp: 4351262
Ion Ratio Lower Upper
96 100
61 122.5 0.0 283.8
98 65.2 0.0 129.8



#30
Chloroform
Concen: 0.330 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.001 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 83 Resp: 2351
Ion Ratio Lower Upper
83 100
85 52.6 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 52.435 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

Instrument :

MSVOA_X

ClientSampleId :

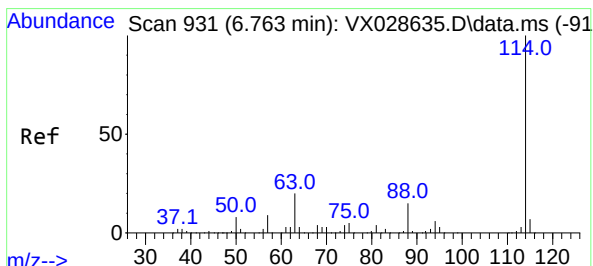
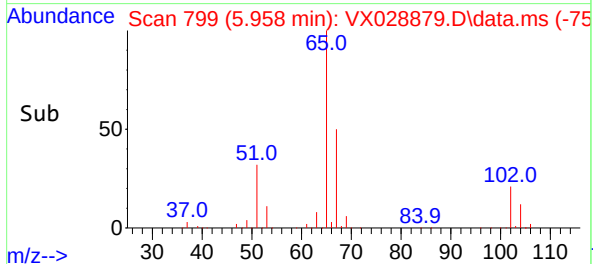
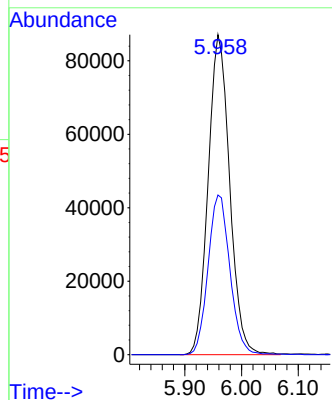
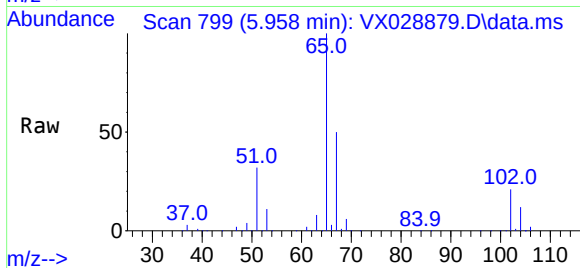
70BR-10-20220519

Tgt Ion: 65 Resp: 229471

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

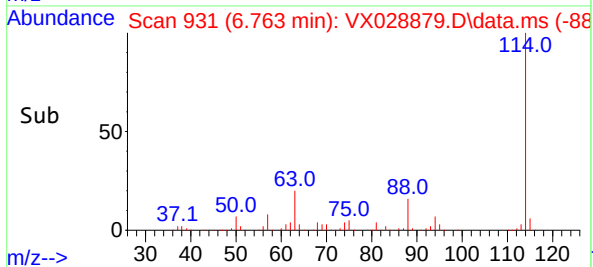
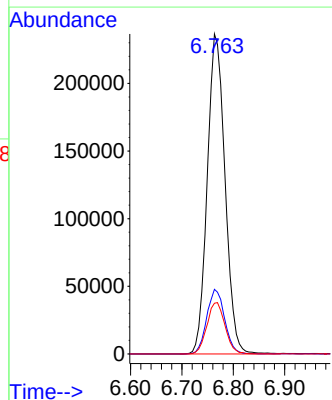
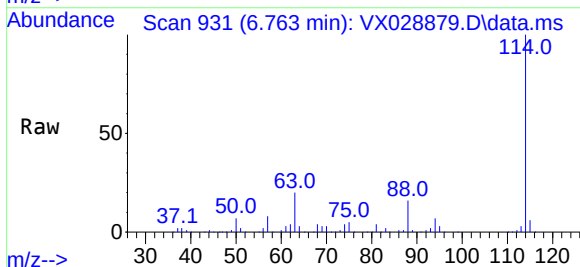
Tgt Ion: 114 Resp: 567563

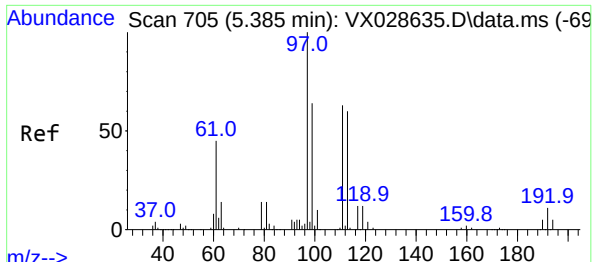
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.342 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

Instrument :

MSVOA_X

ClientSampleId :

70BR-10-20220519

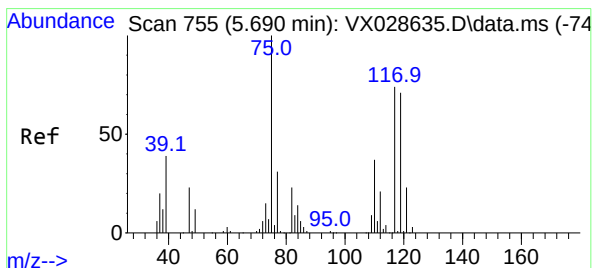
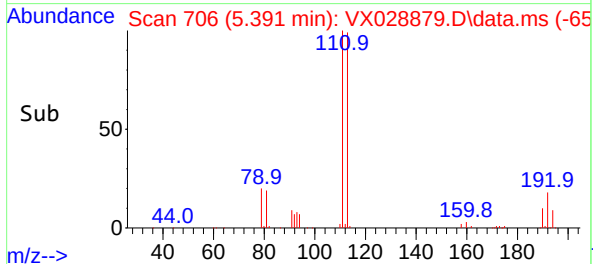
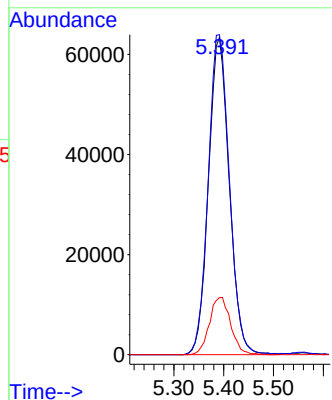
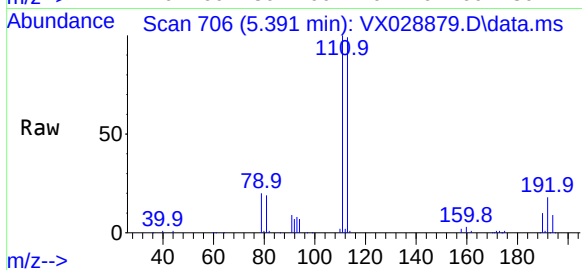
Tgt Ion:113 Resp: 183482

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028879.D

Acq: 21 May 2022 03:24

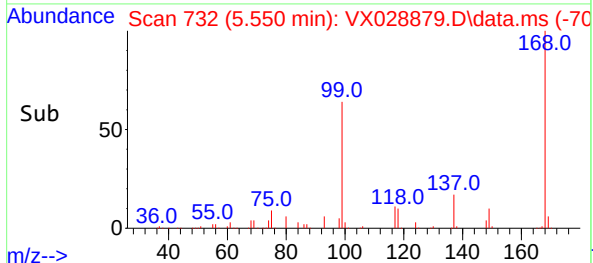
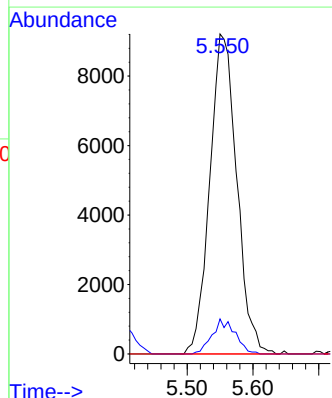
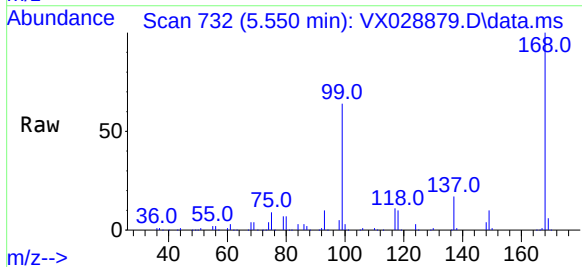
Tgt Ion: 75 Resp: 26310

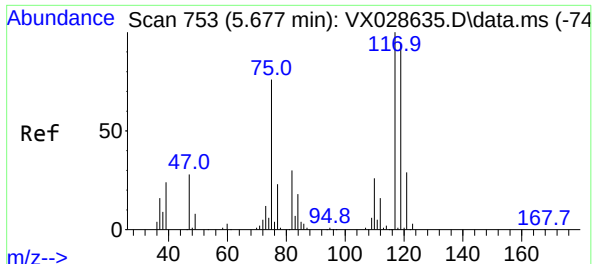
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

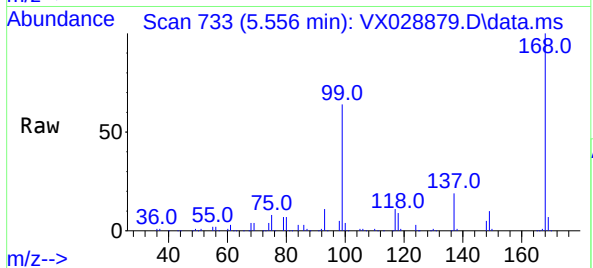
77 0.0 24.8 37.2#



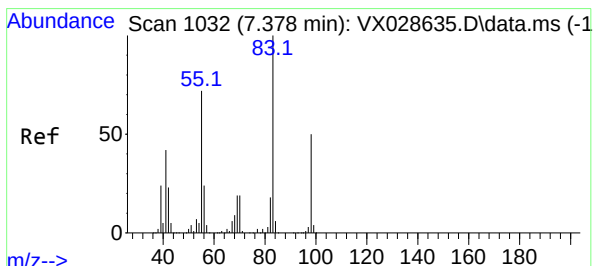
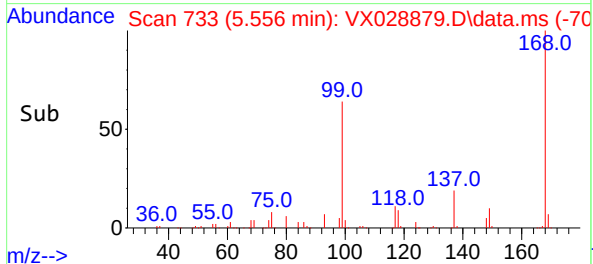
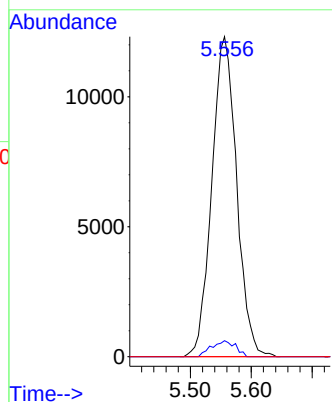


#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

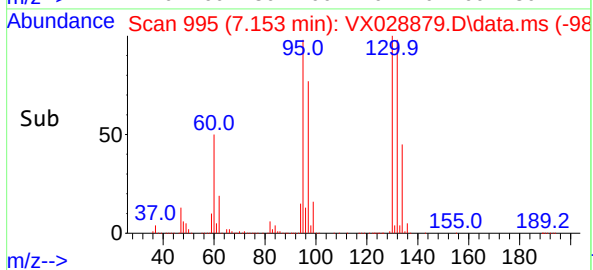
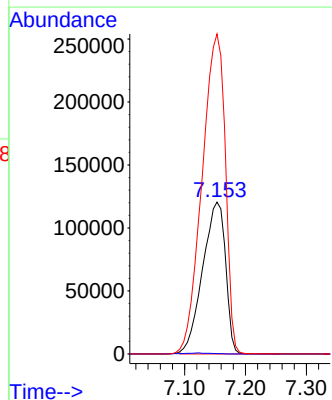
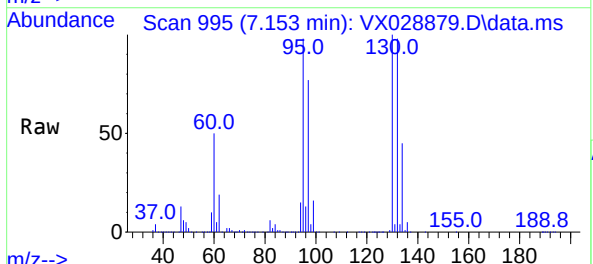


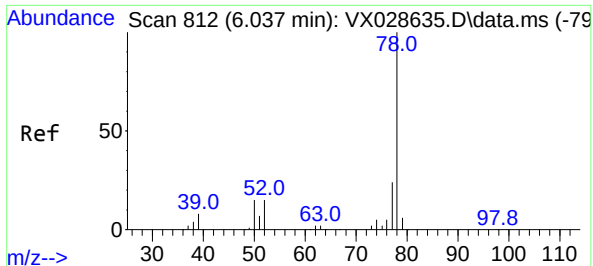
Tgt Ion:117 Resp: 34838
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 49.050 ug/l
RT: 7.153 min Scan# 995
Delta R.T. -0.225 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 83 Resp: 314175
Ion Ratio Lower Upper
83 100
55 0.2 54.6 81.8#
98 210.7 37.4 56.2#

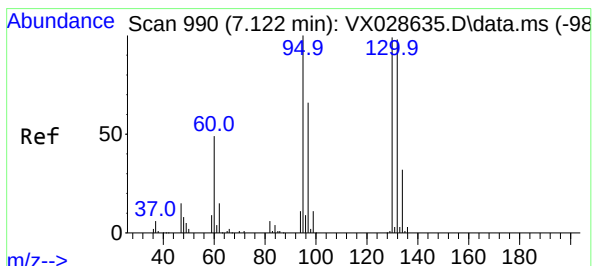
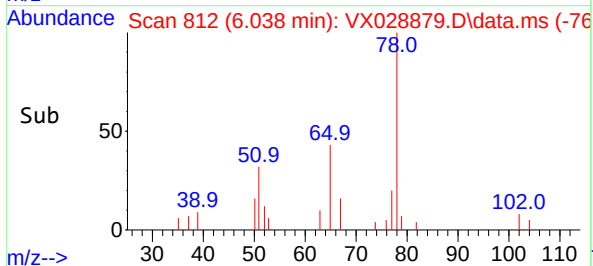
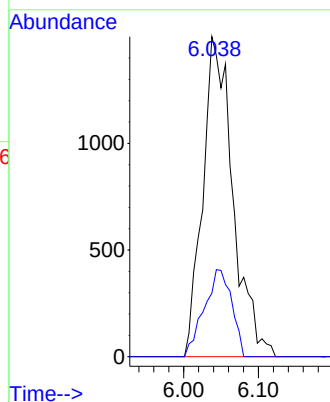
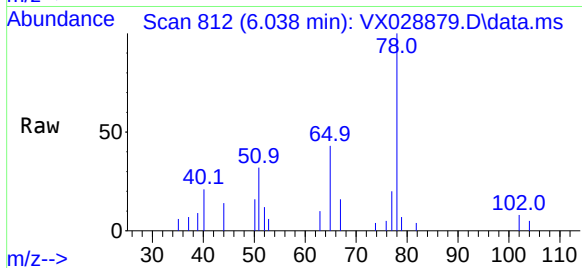




#40
Benzene
Concen: 0.262 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

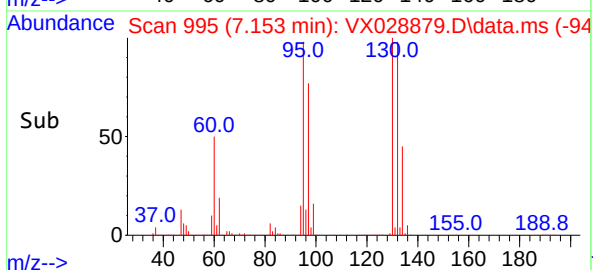
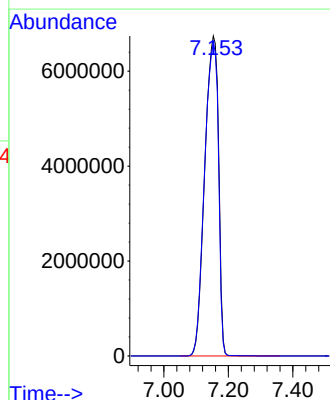
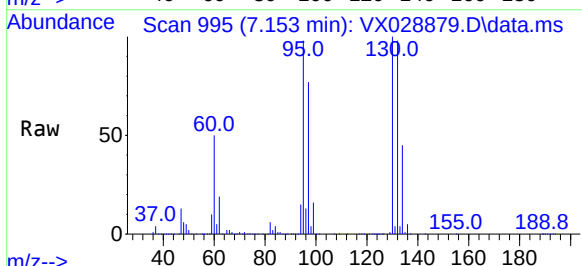
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

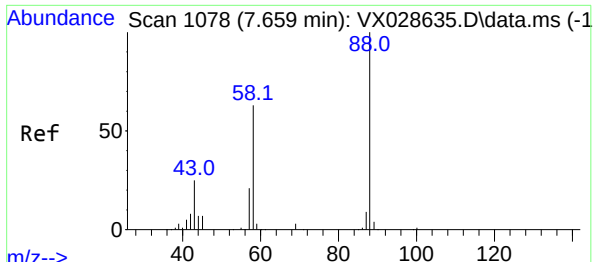
Tgt Ion: 78 Resp: 4206
Ion Ratio Lower Upper
78 100
77 19.9 19.3 28.9



#44
Trichloroethene
Concen: 4594.378 ug/l
RT: 7.153 min Scan# 995
Delta R.T. 0.031 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion:130 Resp:20001114
Ion Ratio Lower Upper
130 100
95 97.7 0.0 188.8

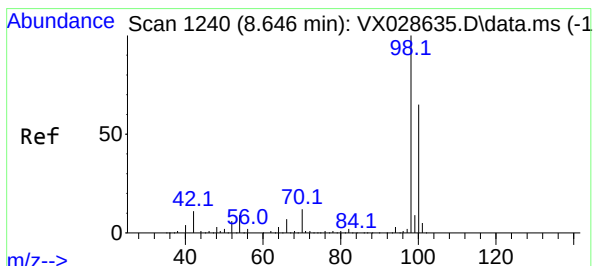
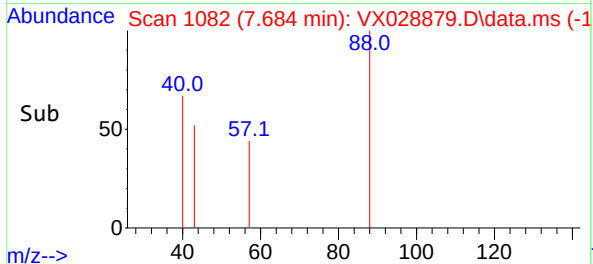
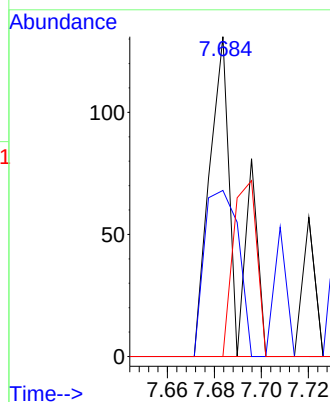
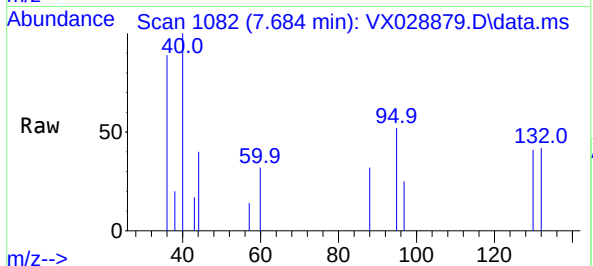




#49
1,4-Dioxane
Concen: 0.944 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

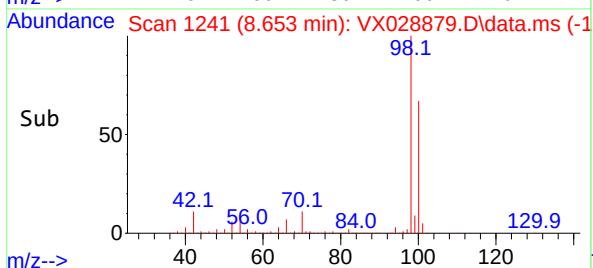
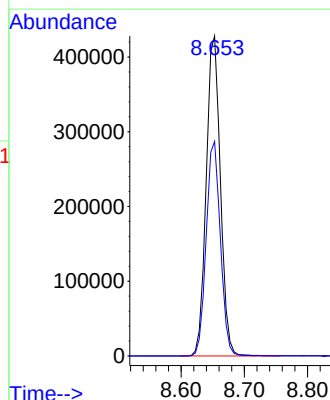
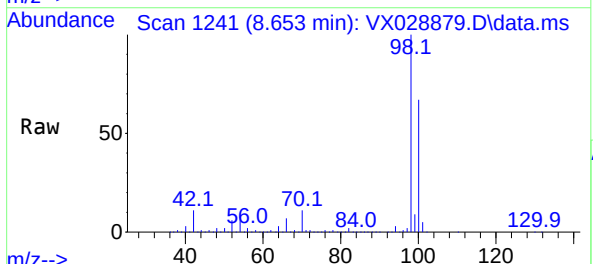
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

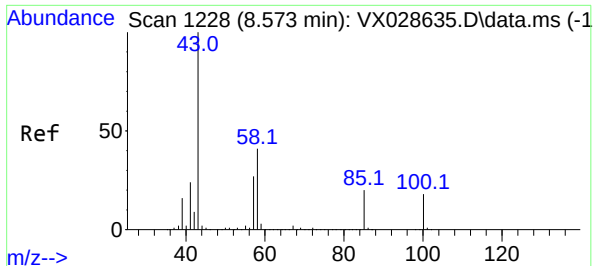
Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 66.3 21.9 32.9#
58 48.1 53.7 80.5#



#50
Toluene-d8
Concen: 47.785 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 98 Resp: 669928
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

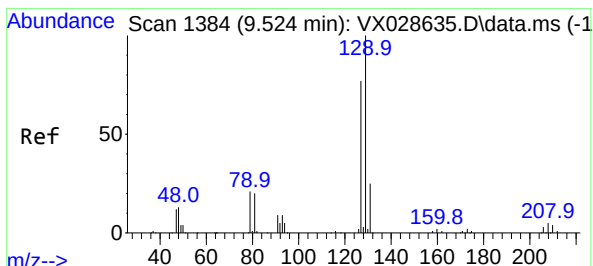
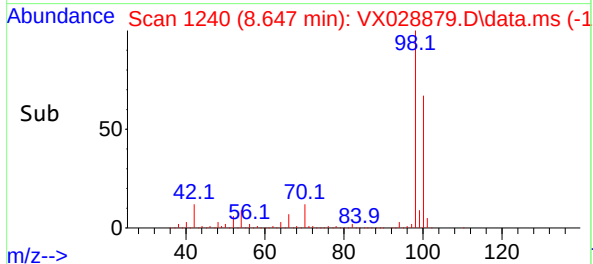
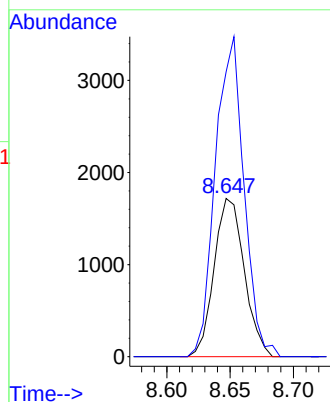
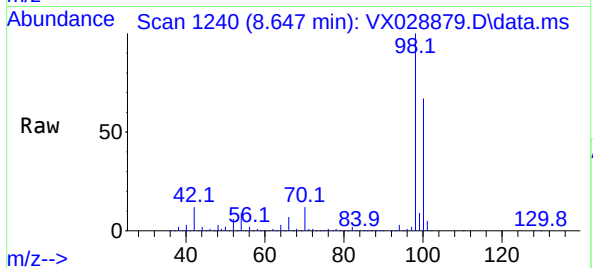




#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

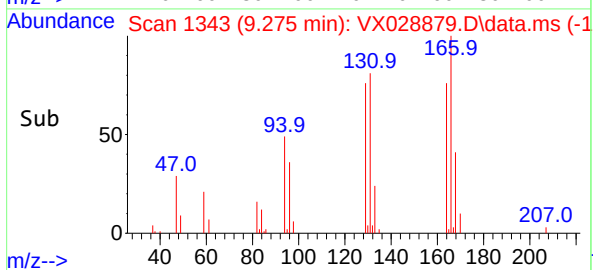
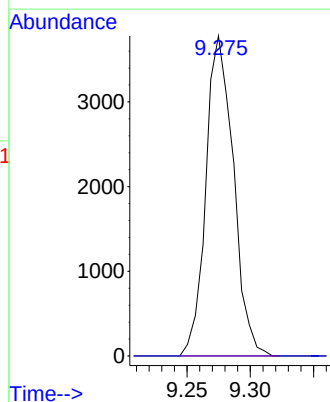
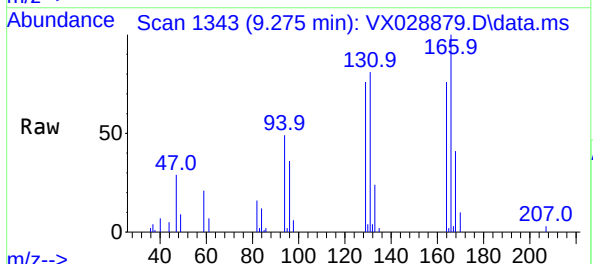
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

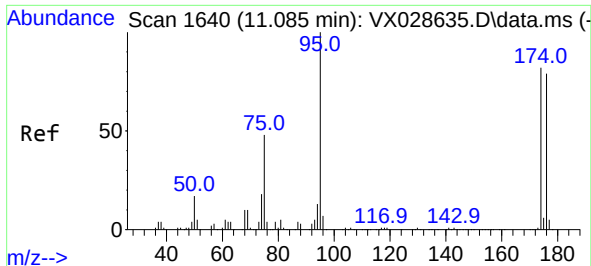
Tgt Ion: 43 Resp: 2848
Ion Ratio Lower Upper
43 100
58 191.8 36.1 54.1#



#60
Dibromochloromethane
Concen: 1.395 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 129 Resp: 5728
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

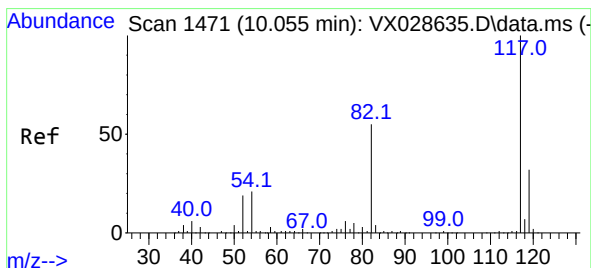
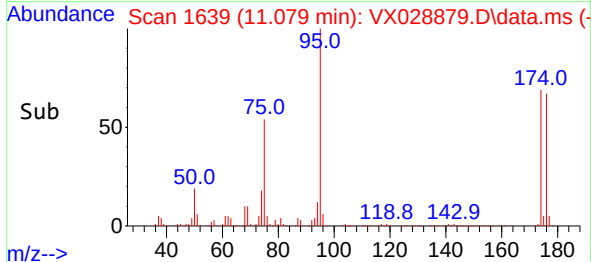
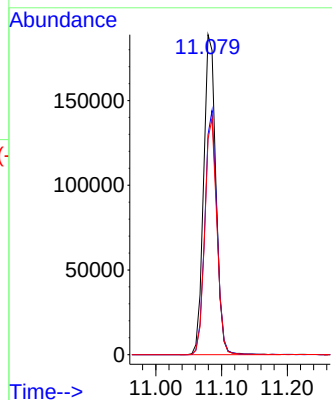
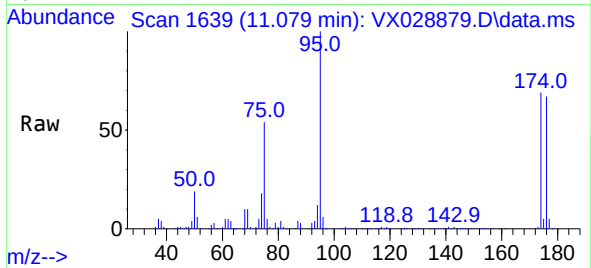




#62
4-Bromofluorobenzene
Concen: 46.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

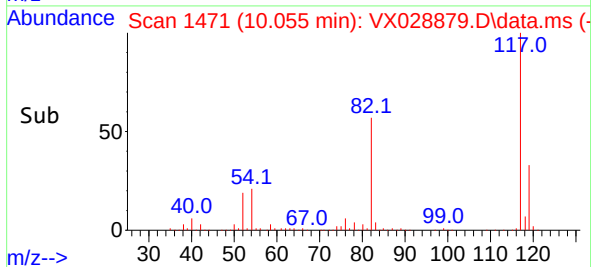
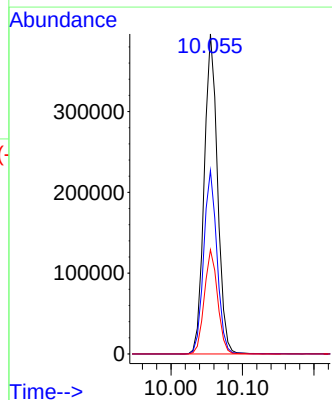
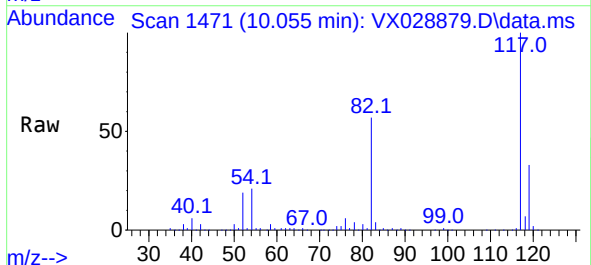
Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

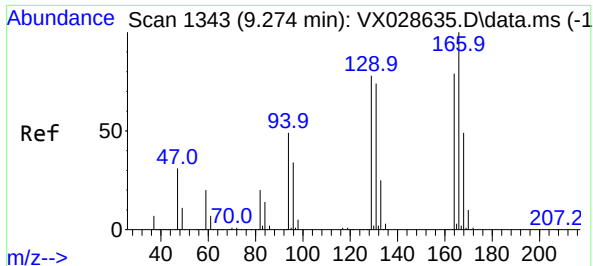
Tgt Ion: 95 Resp: 244368
Ion Ratio Lower Upper
95 100
174 75.3 0.0 163.0
176 72.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 117 Resp: 513456
Ion Ratio Lower Upper
117 100
82 57.3 41.8 62.8
119 32.6 24.8 37.2



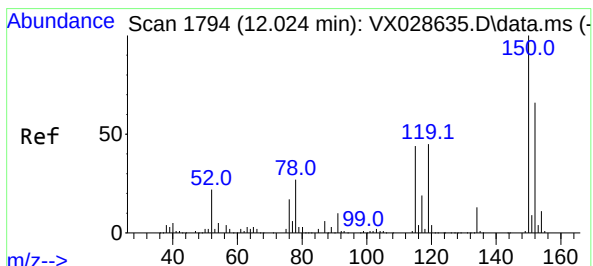
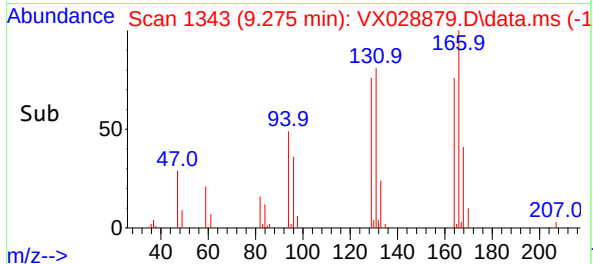
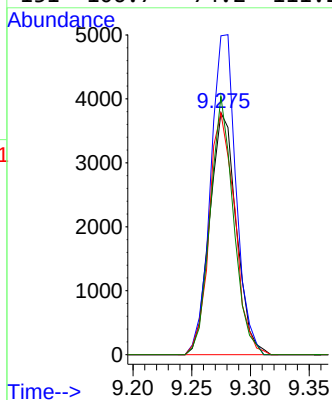
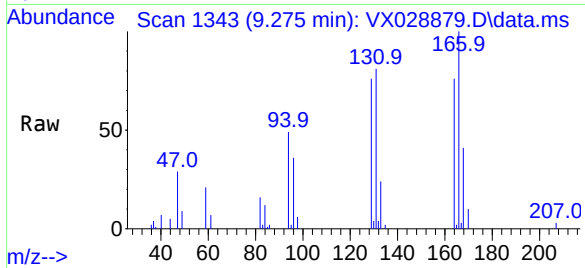


#64
Tetrachloroethene
Concen: 1.538 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

Tgt Ion:164 Resp: 5964

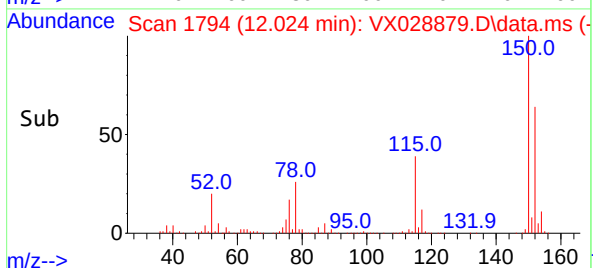
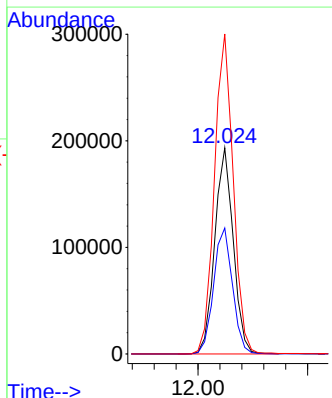
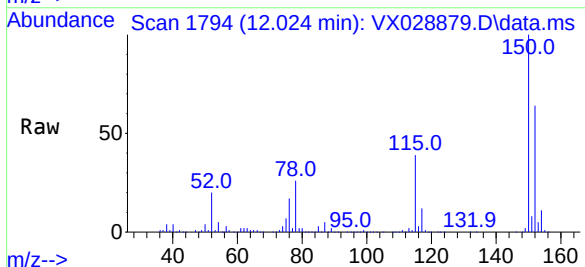
Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.2	151.8
129	99.9	73.0	109.4
131	106.7	74.2	111.2

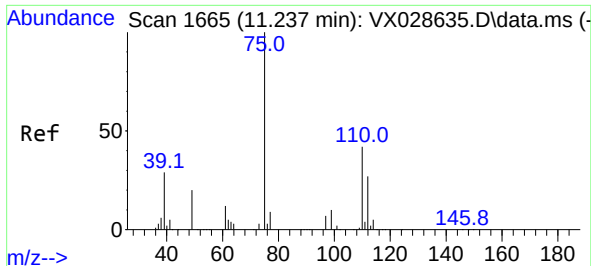


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion:152 Resp: 227203

Ion	Ratio	Lower	Upper
152	100		
115	62.3	37.5	112.7
150	157.9	0.0	338.2

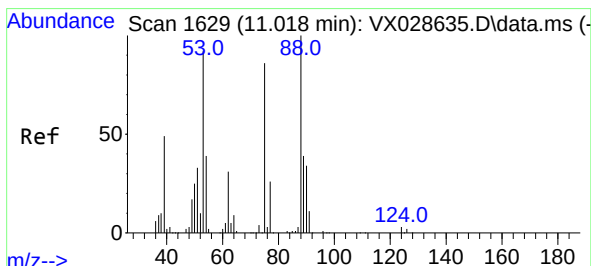
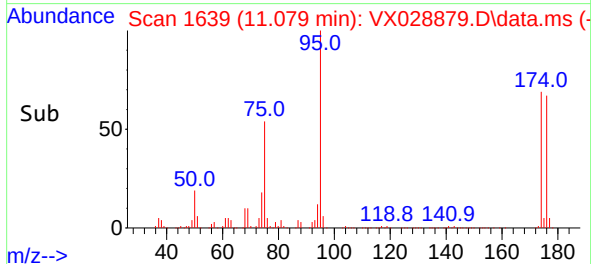
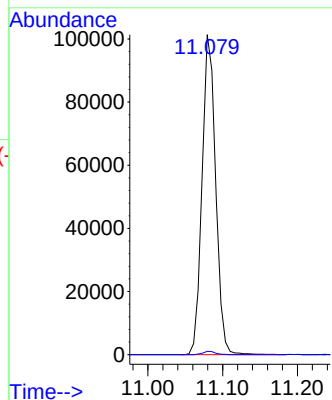
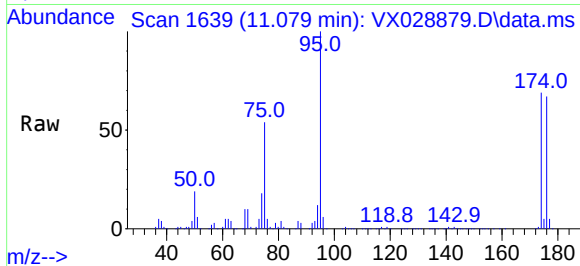




#76
1,2,3-Trichloropropane
Concen: 24.063 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Instrument :
MSVOA_X
ClientSampleId :
70BR-10-20220519

Tgt Ion: 75 Resp: 128035
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.099 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028879.D
Acq: 21 May 2022 03:24

Tgt Ion: 75 Resp: 128035
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

