

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074840.D
 Acq On : 10 Oct 2022 18:37
 Operator : JC\MD
 Sample : PB148097ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:28:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

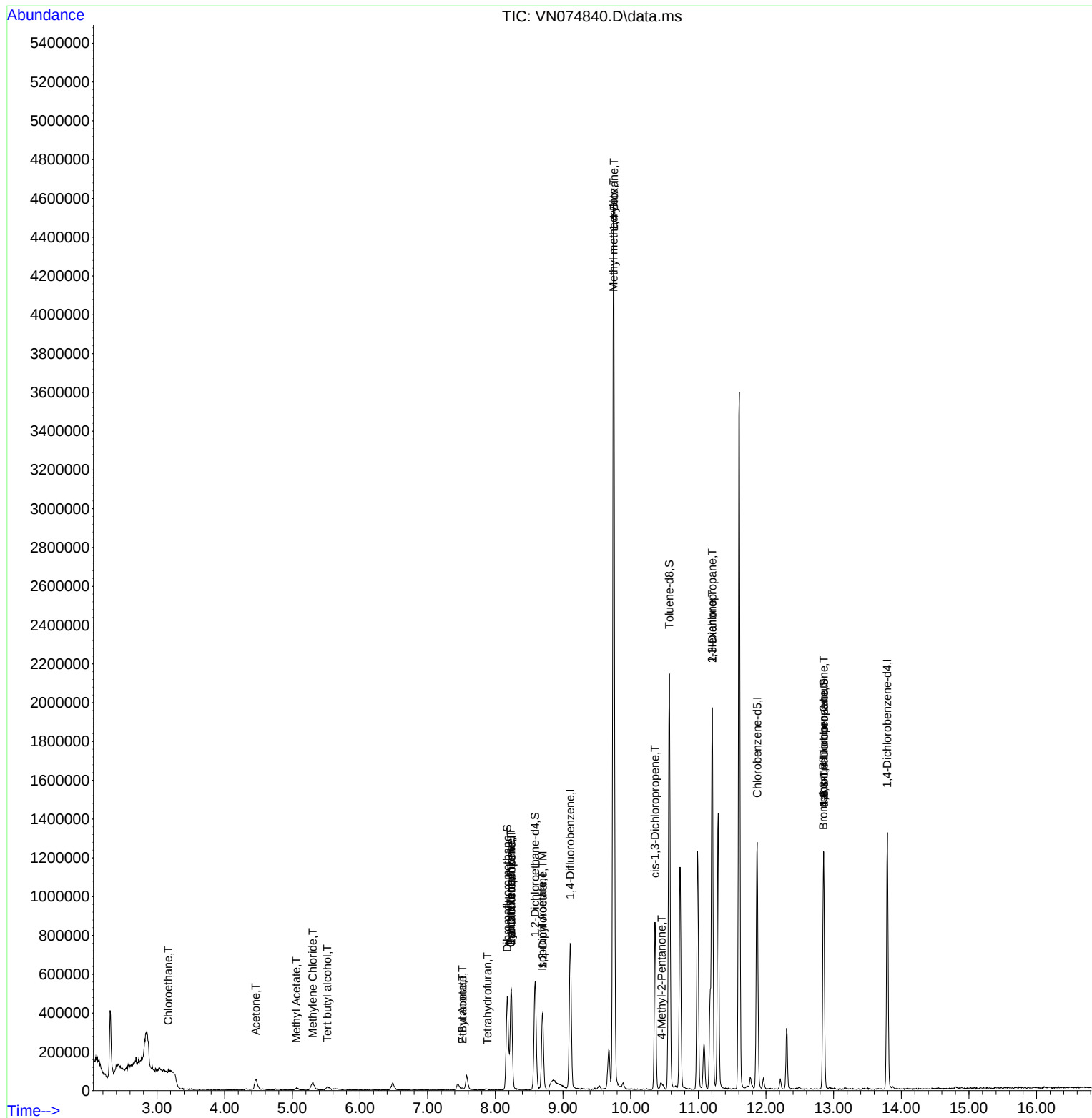
Internal Standards						
1) Pentafluorobenzene	8.235	168	370106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	649943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	700891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	327971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	420013	47.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.800%		
35) Dibromofluoromethane	8.177	113	335008	51.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.040%		
50) Toluene-d8	10.571	98	1439818	51.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.200%		
62) 4-Bromofluorobenzene	12.853	95	378057	44.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.280%		
Target Compounds					Qvalue	
6) Chloroethane	3.165	64	7392	0.715	ug/l #	61
11) Tert butyl alcohol	5.518	59	9046	3.080	ug/l #	76
13) Acrolein	4.206	56	94	Below Cal	#	15
16) Acetone	4.459	43	104551	21.038	ug/l #	88
18) Methyl Acetate	5.059	43	19546	1.062	ug/l #	90
20) Methylene Chloride	5.300	84	28016	1.385	ug/l	93
25) 2-Butanone	7.512	43	12180	1.350	ug/l #	76
29) Tetrahydrofuran	7.883	42	5807	0.924	ug/l #	36
31) Cyclohexane	8.230	56	12208	0.805	ug/l #	50
36) 1,1-Dichloropropene	8.235	75	34124	3.211	ug/l #	49
37) Ethyl Acetate	7.512	43	12180	0.286	ug/l #	86
38) Carbon Tetrachloride	8.230	117	39308	3.922	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	3778	0.350	ug/l #	74
43) Isopropyl Acetate	8.694	43	458753	17.412	ug/l #	92
48) Methyl methacrylate	9.747	41	395962	36.607	ug/l #	85
49) 1,4-Dioxane	9.753	88	784	3.344	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	38347	2.260	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	141919	9.877	ug/l #	70
57) 1,3-Dichloropropane	11.206	76	19350	1.292	ug/l #	45
59) 2-Hexanone	11.206	43	243194	18.951	ug/l #	55
71) Bromoform	12.847	173	5495	0.919	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.882	83	255	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	213476	21.808	ug/l #	1
77) Bromobenzene	12.965	156	59	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	213476	42.489	ug/l #	14

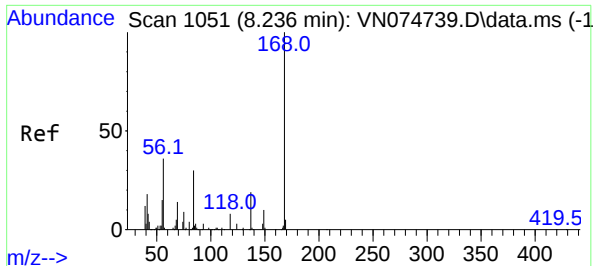
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 06 05:37:50 2022
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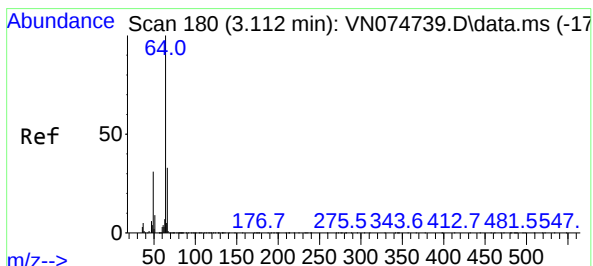
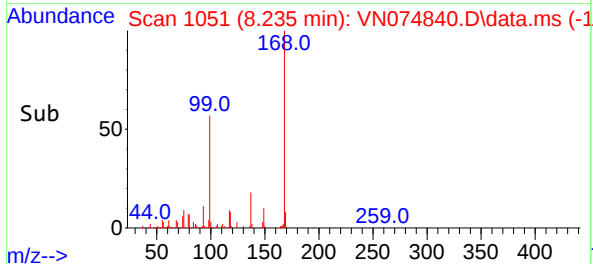
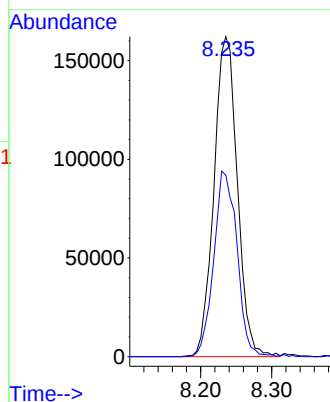
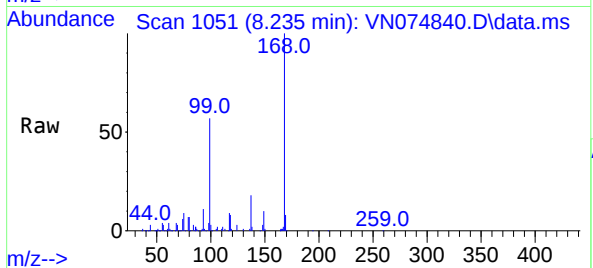




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

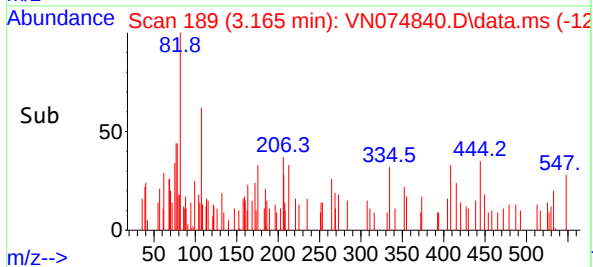
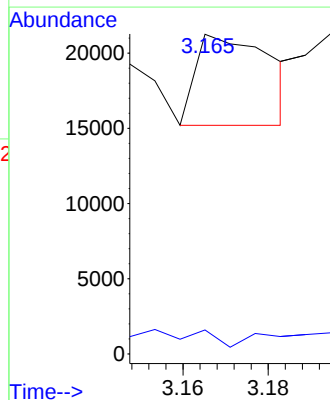
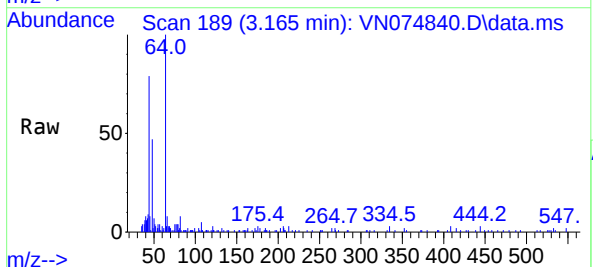
Instrument :
MSVOA_N
ClientSampleId :

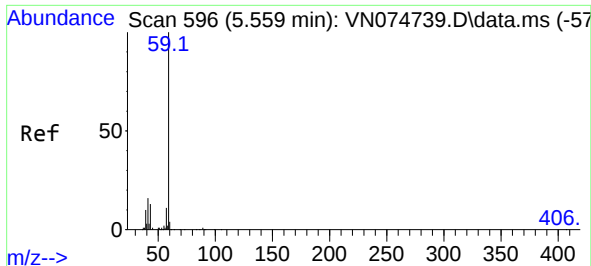
Tgt Ion:168 Resp: 370106
Ion Ratio Lower Upper
168 100
99 56.8 42.8 64.2



#6
Chloroethane
Concen: 0.715 ug/l
RT: 3.165 min Scan# 189
Delta R.T. 0.053 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 64 Resp: 7392
Ion Ratio Lower Upper
64 100
66 10.1 25.1 37.7#

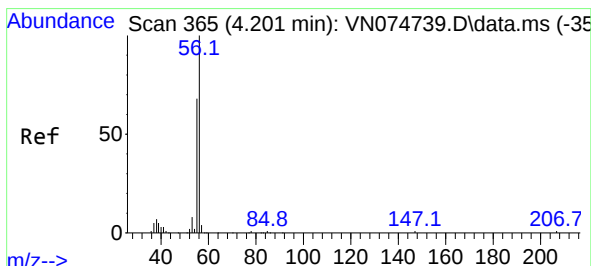
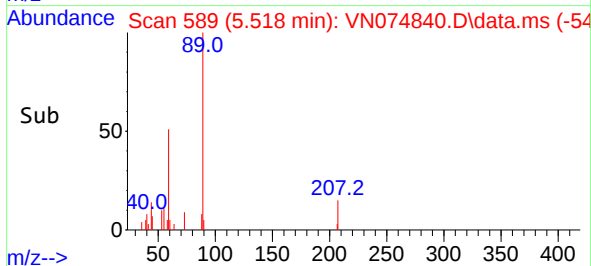
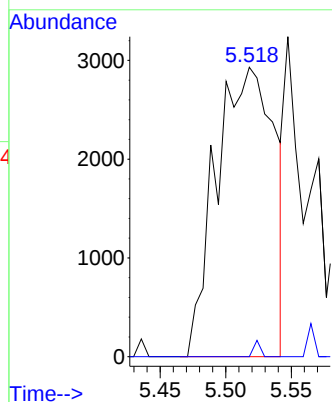
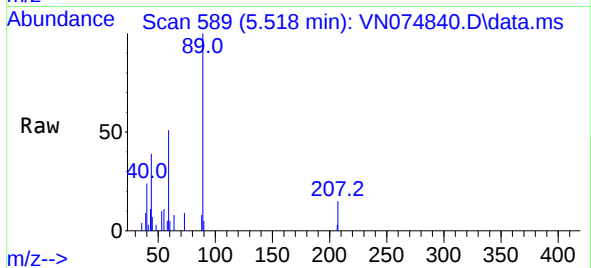




#11
Tert butyl alcohol
Concen: 3.080 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

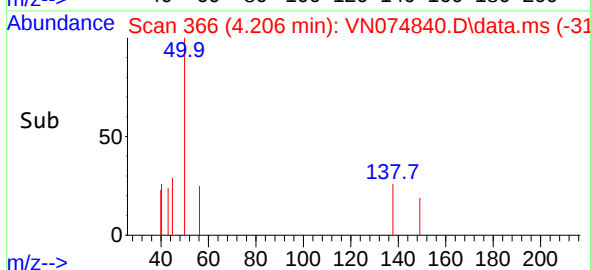
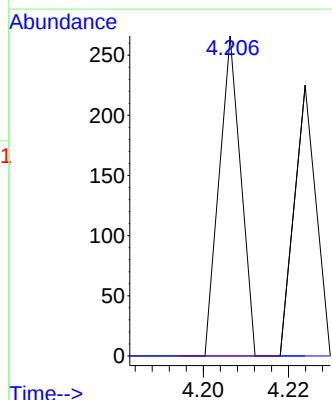
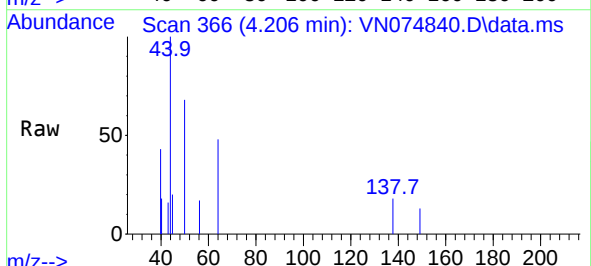
Instrument :
MSVOA_N
ClientSampleId :

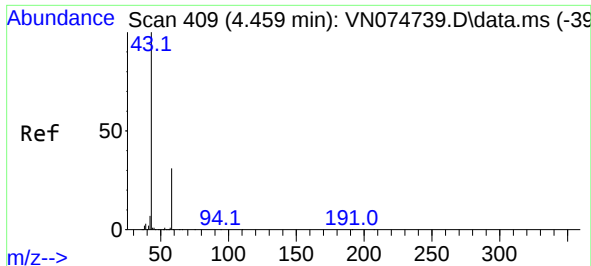
Tgt Ion: 59 Resp: 9046
Ion Ratio Lower Upper
59 100
57 0.7 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 366
Delta R.T. 0.005 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

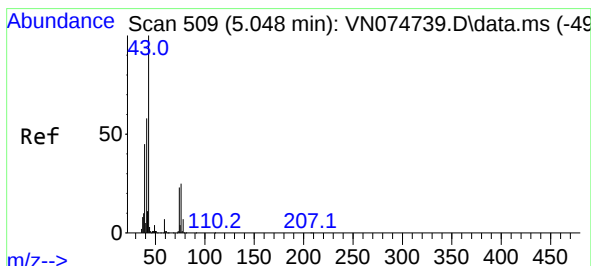
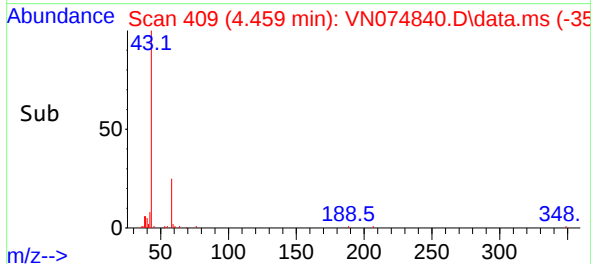
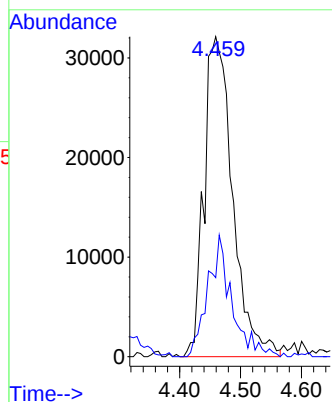
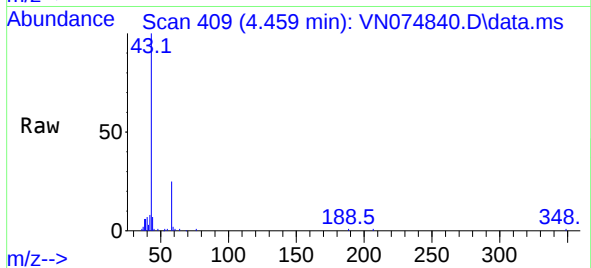




#16
Acetone
Concen: 21.038 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

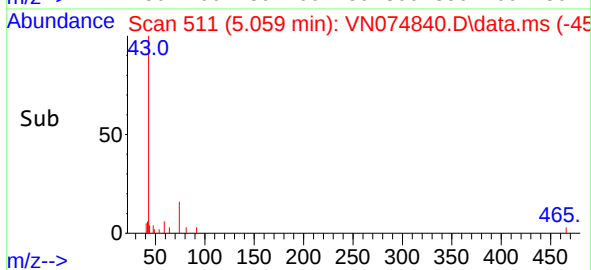
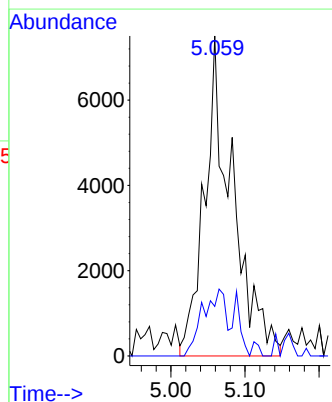
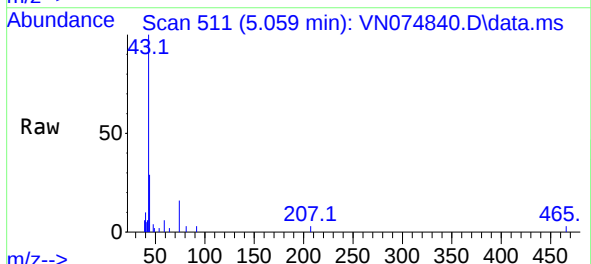
Instrument :
MSVOA_N
ClientSampleId :

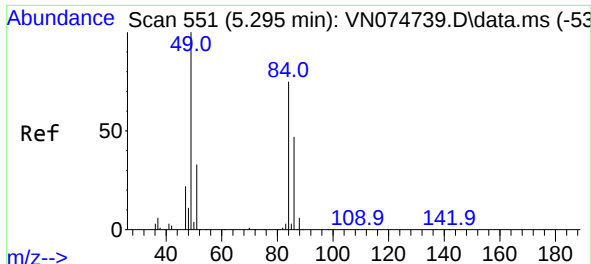
Tgt Ion: 43 Resp: 104551
Ion Ratio Lower Upper
43 100
58 24.7 24.9 37.3#



#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

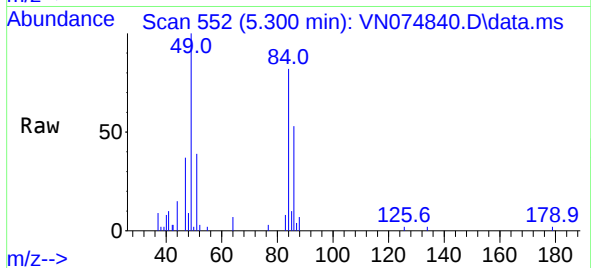
Tgt Ion: 43 Resp: 19546
Ion Ratio Lower Upper
43 100
74 18.3 18.5 27.7#





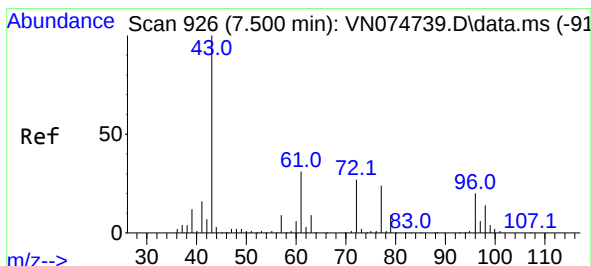
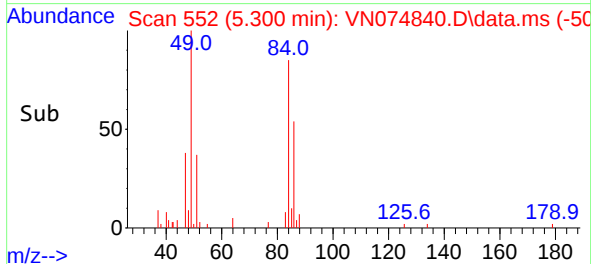
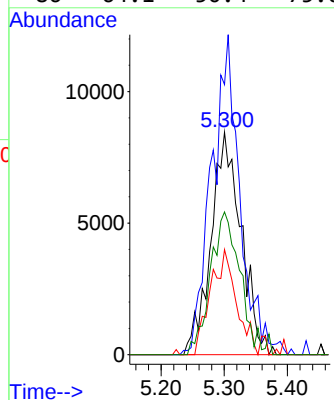
#20
Methylene Chloride
Concen: 1.385 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 28016

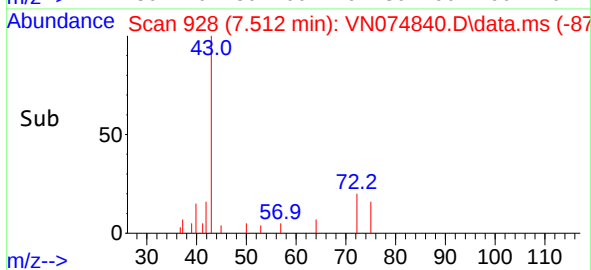
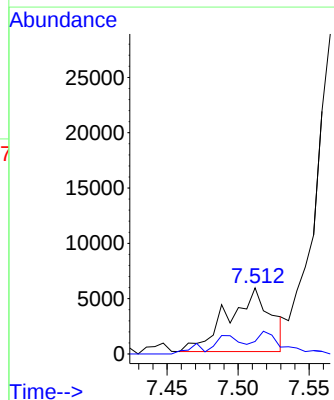
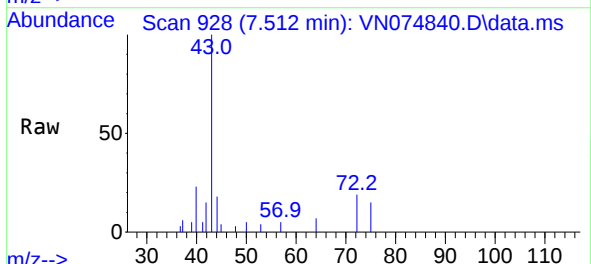
Ion	Ratio	Lower	Upper
84	100		
49	121.4	107.4	161.0
51	47.3	35.1	52.7
86	64.1	50.4	75.6

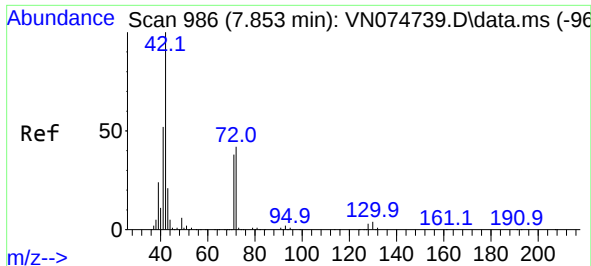


#25
2-Butanone
Concen: 1.350 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 43 Resp: 12180

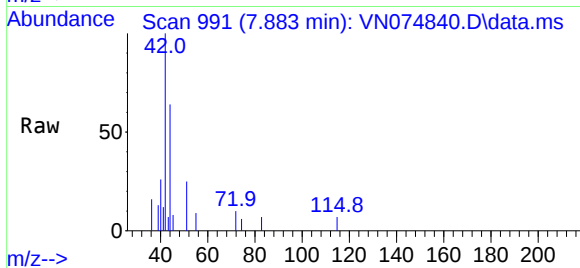
Ion	Ratio	Lower	Upper
43	100		
72	14.4	21.4	32.0#



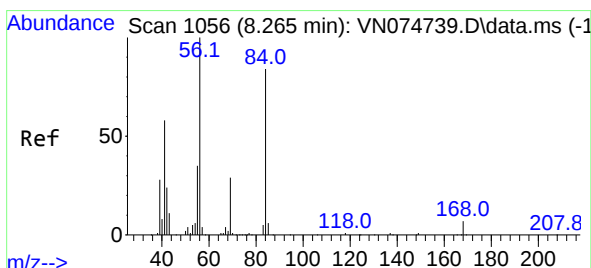
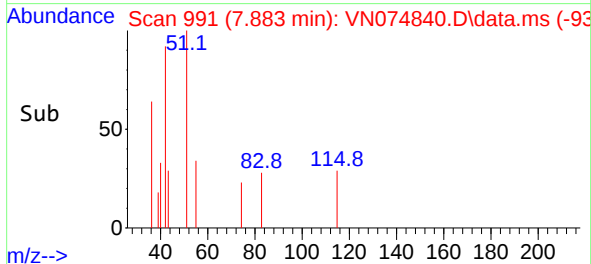
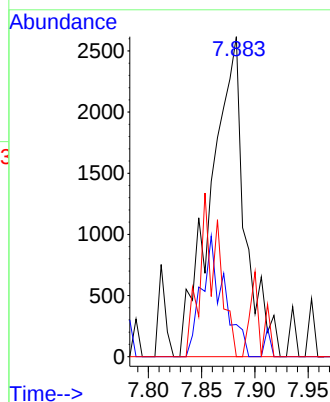


#29
Tetrahydrofuran
Concen: 0.924 ug/l
RT: 7.883 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Instrument :
MSVOA_N
ClientSampleId :

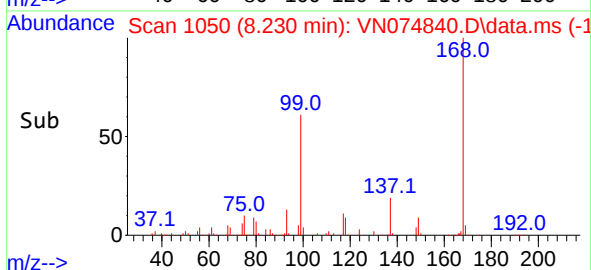
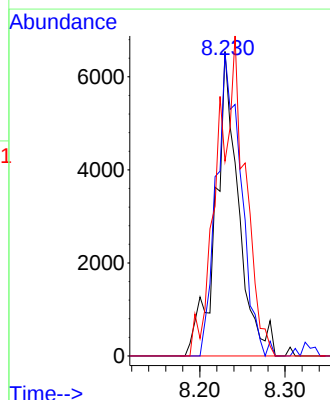
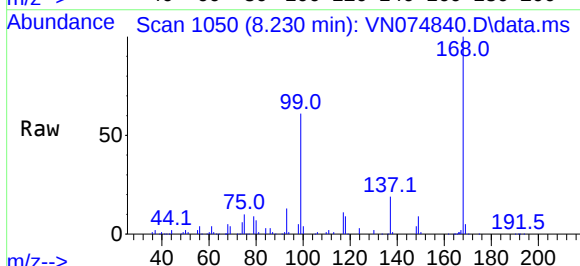


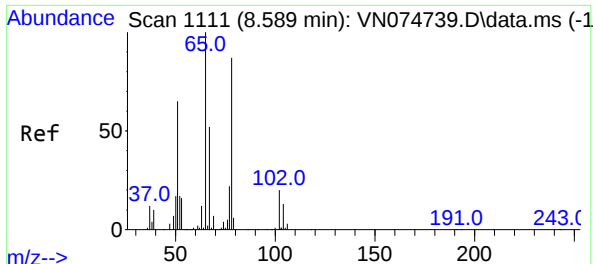
Tgt Ion: 42 Resp: 5807
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.6#
71 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 0.805 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.036 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 56 Resp: 12208
Ion Ratio Lower Upper
56 100
69 99.8 23.1 34.7#
84 64.0 67.1 100.7#

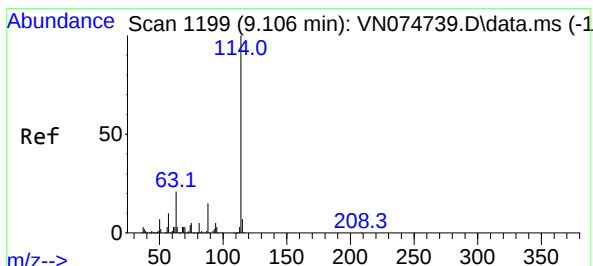
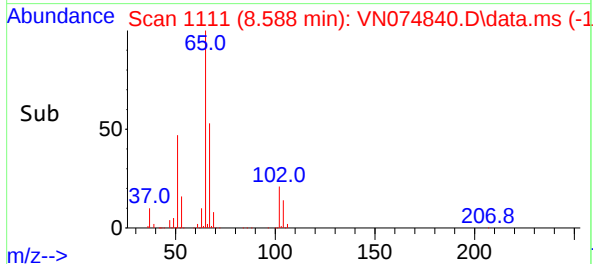
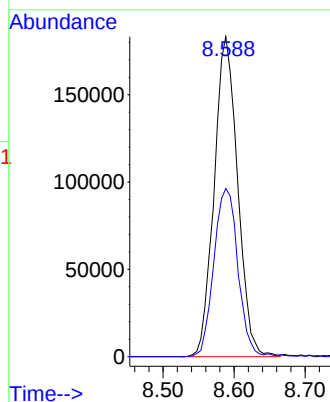
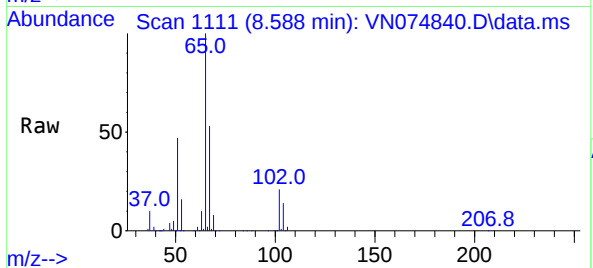




#33
1,2-Dichloroethane-d4
Concen: 47.896 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

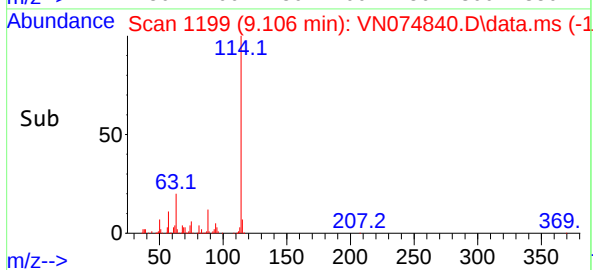
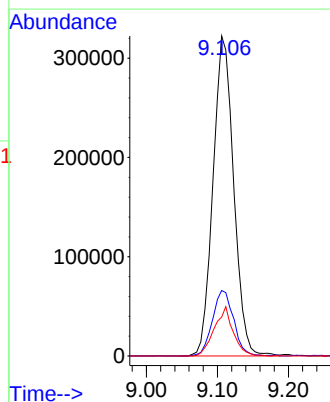
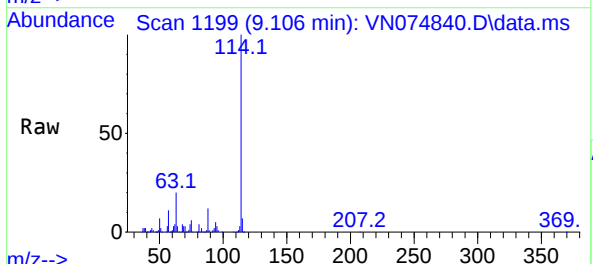
Instrument :
MSVOA_N
ClientSampleId :

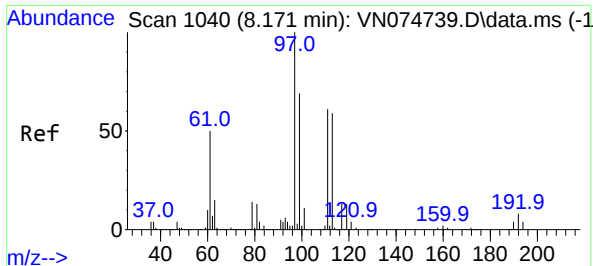
Tgt Ion: 65 Resp: 420013
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

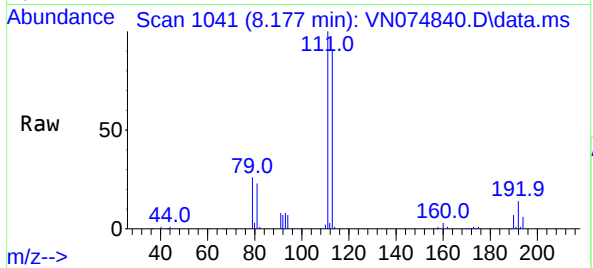
Tgt Ion:114 Resp: 649943
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.2
88 12.2 0.0 30.2



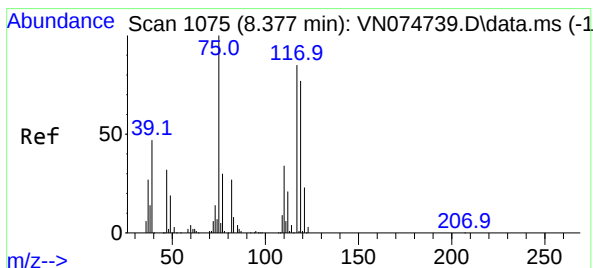
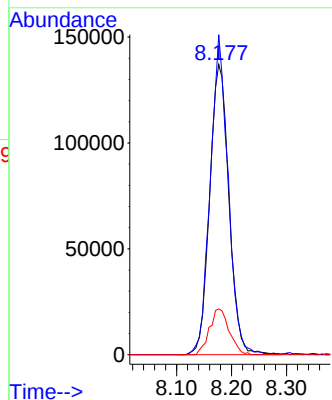
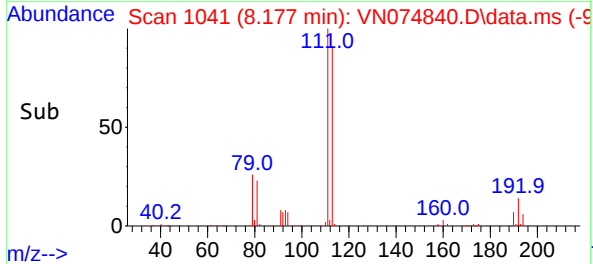


#35
Dibromofluoromethane
Concen: 51.016 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Instrument :
MSVOA_N
ClientSampleId :

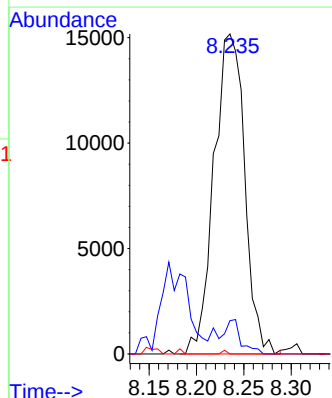
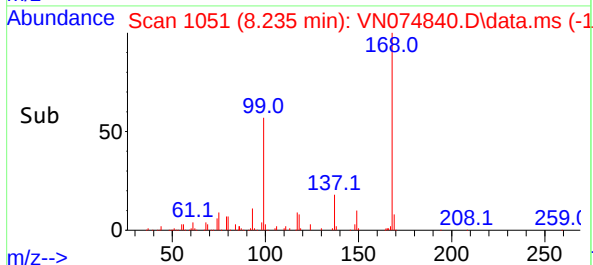
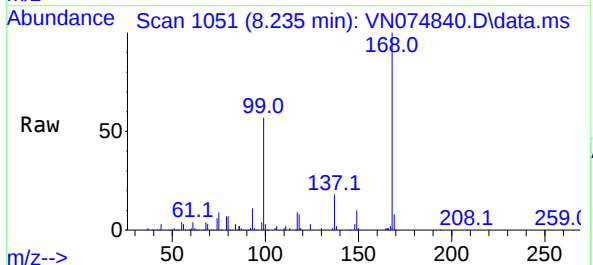


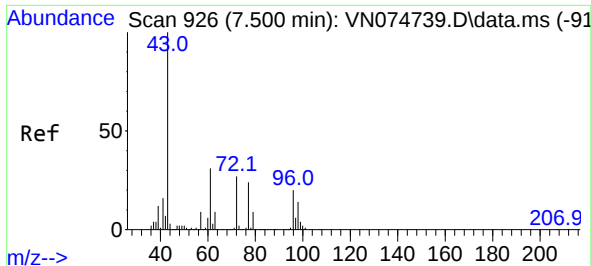
Tgt Ion:113 Resp: 335008
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 16.0 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.211 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 75 Resp: 34124
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.5#
77 0.2 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.286 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.012 min

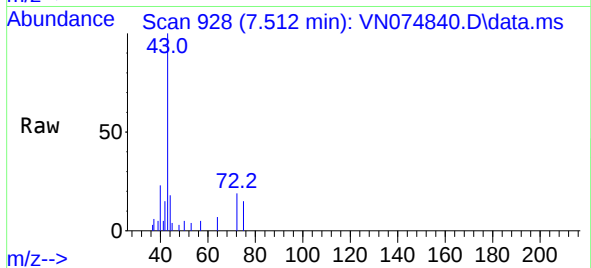
Lab File: VN074840.D

Acq: 10 Oct 2022 18:37

Instrument :

MSVOA_N

ClientSampleId :



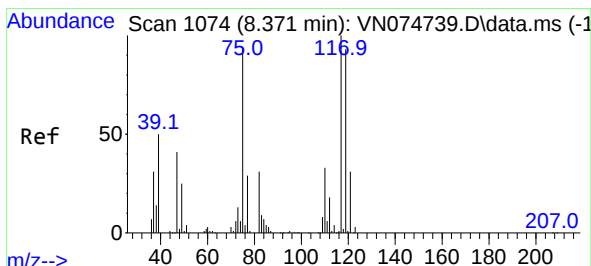
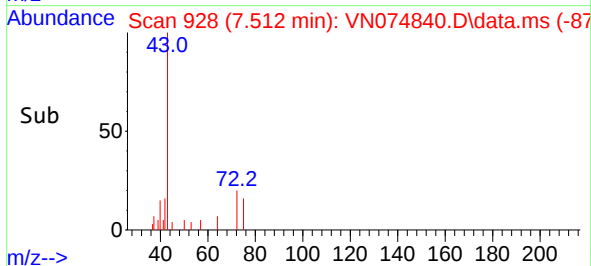
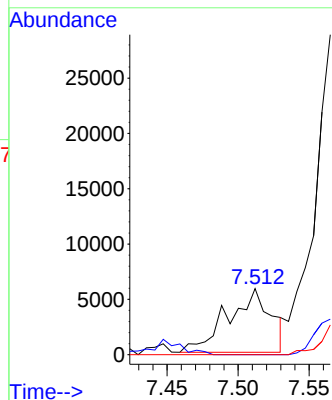
Tgt Ion: 43 Resp: 12180

Ion Ratio Lower Upper

43 100

61 0.0 4.3 6.5#

70 0.0 3.0 4.4#



#38

Carbon Tetrachloride

Concen: 3.922 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074840.D

Acq: 10 Oct 2022 18:37

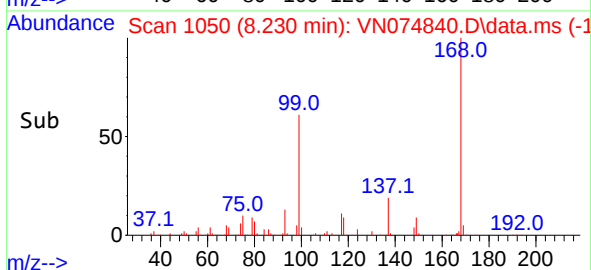
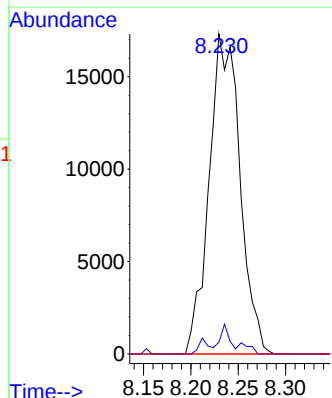
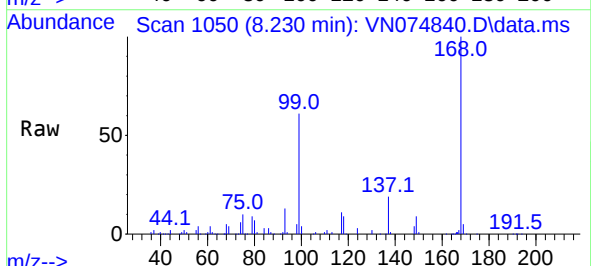
Tgt Ion: 117 Resp: 39308

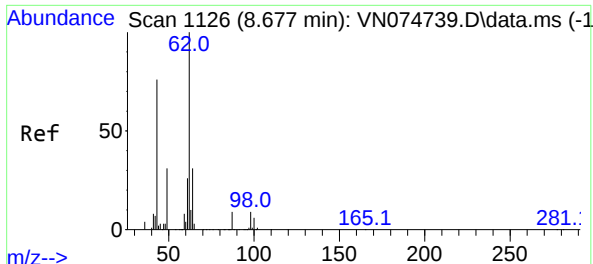
Ion Ratio Lower Upper

117 100

119 3.7 74.3 111.5#

121 0.0 25.0 37.4#

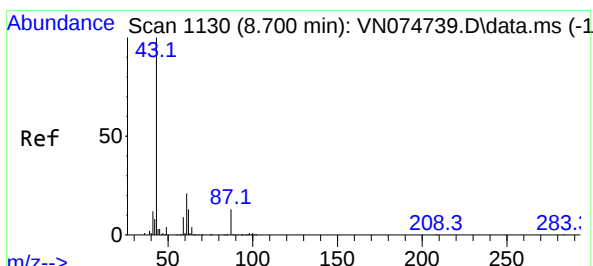
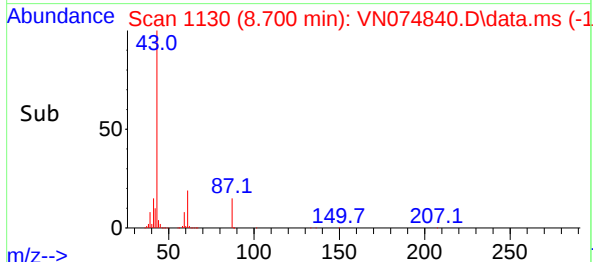
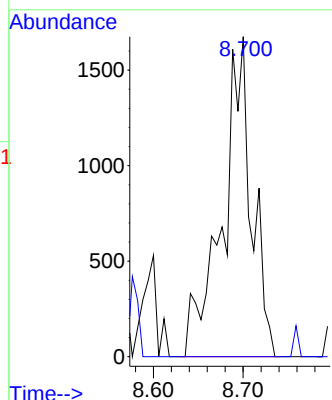
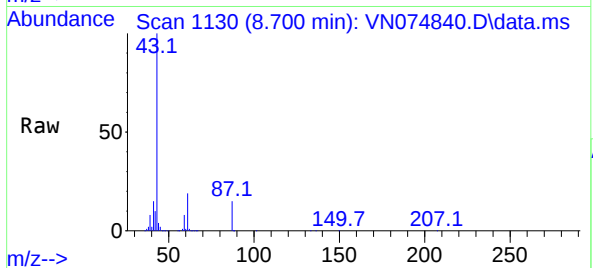




#42
1,2-Dichloroethane
Concen: 0.350 ug/l
RT: 8.700 min Scan# 1126
Delta R.T. 0.023 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

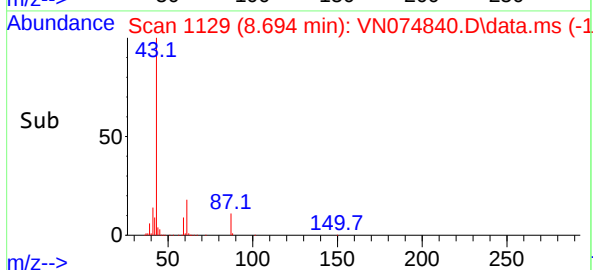
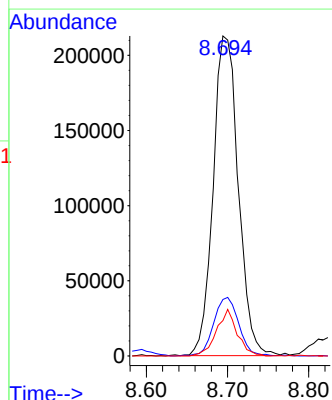
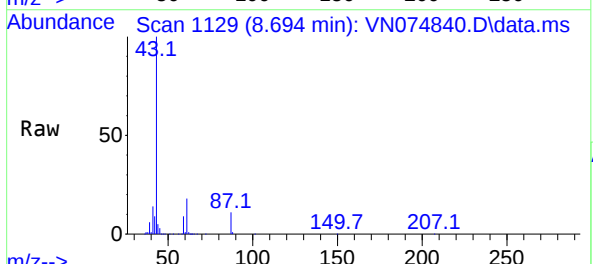
Instrument :
MSVOA_N
ClientSampleId :

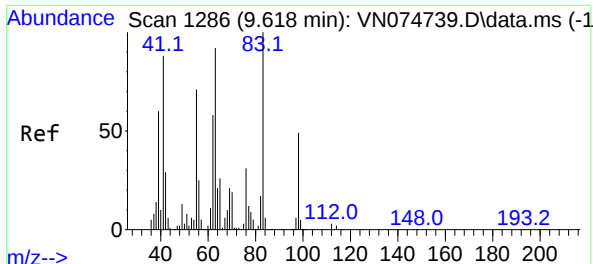
Tgt Ion: 62 Resp: 3778
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4



#43
Isopropyl Acetate
Concen: 17.412 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 43 Resp: 458753
Ion Ratio Lower Upper
43 100
61 18.2 19.4 29.0#
87 12.0 10.1 15.1

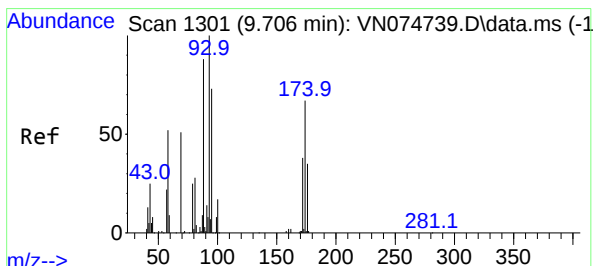
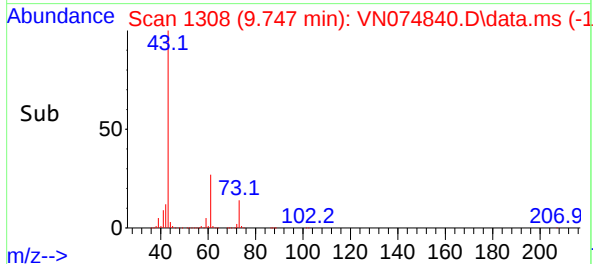
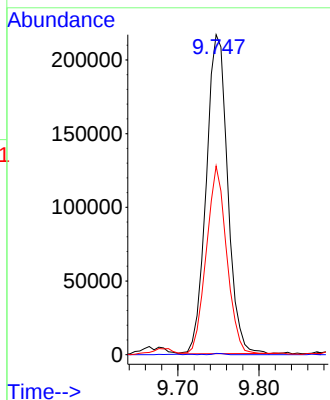
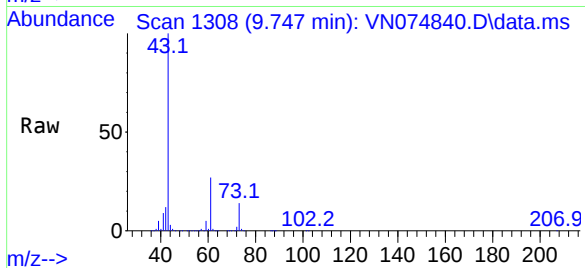




#48
Methyl methacrylate
Concen: 36.607 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

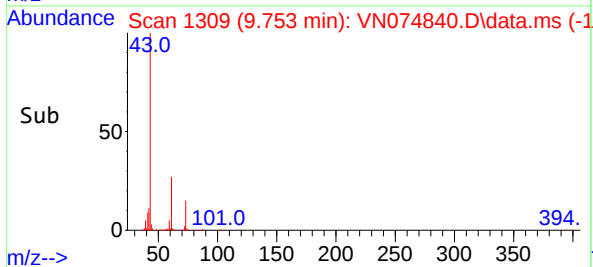
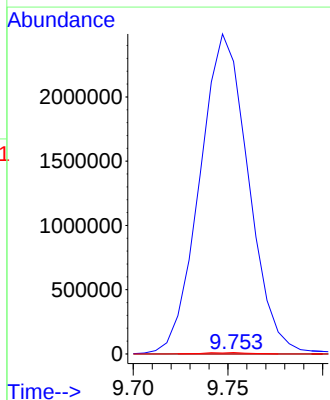
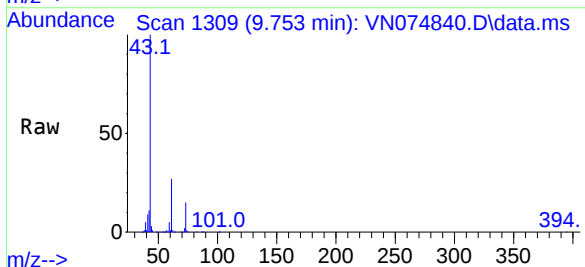
Instrument :
MSVOA_N
ClientSampleId :

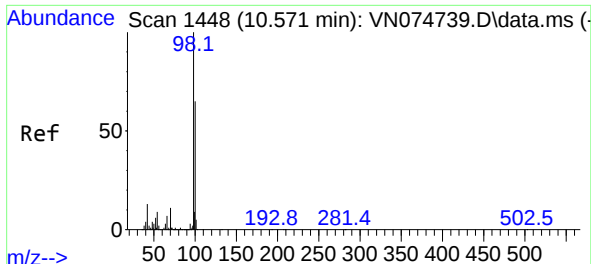
Tgt Ion: 41 Resp: 395962
Ion Ratio Lower Upper
41 100
69 0.2 0.0 0.0#
39 55.9 54.4 81.6



#49
1,4-Dioxane
Concen: 3.344 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.047 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 88 Resp: 784
Ion Ratio Lower Upper
88 100
43 572253.4 23.4 35.2#
58 2288.9 54.9 82.3#

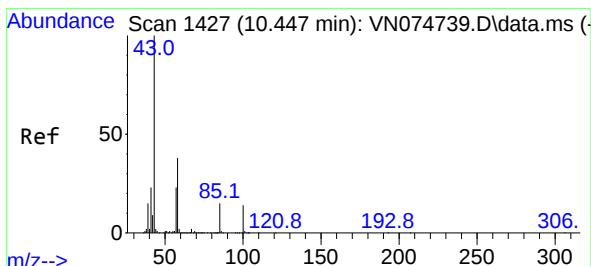
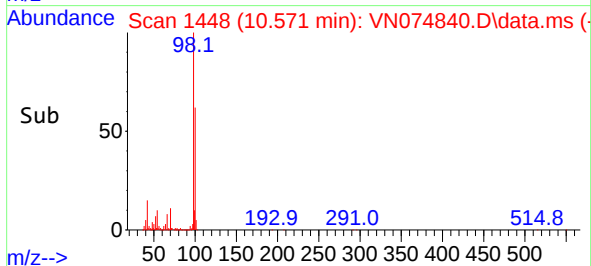
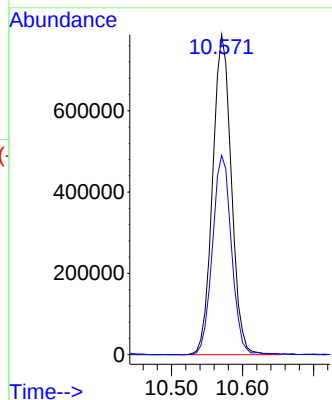
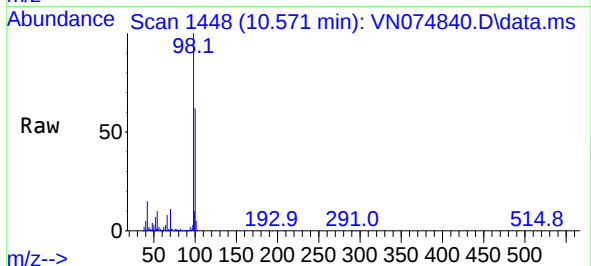




#50
Toluene-d8
Concen: 51.099 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

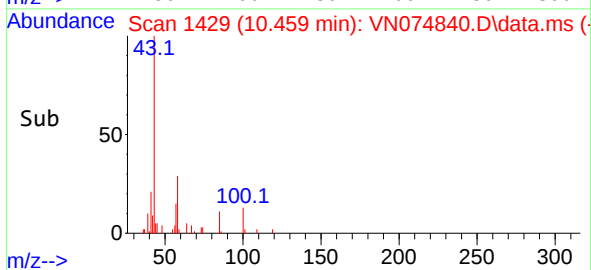
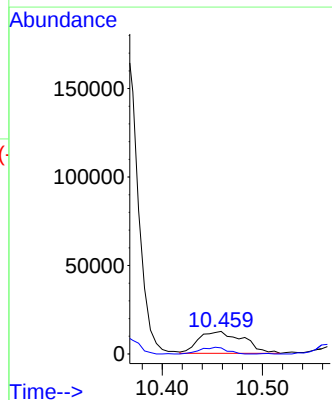
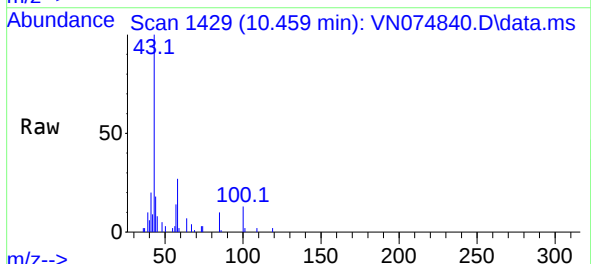
Instrument :
MSVOA_N
ClientSampleId :

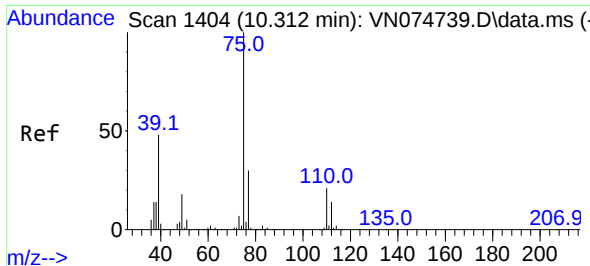
Tgt Ion: 98 Resp: 1439818
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 2.260 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

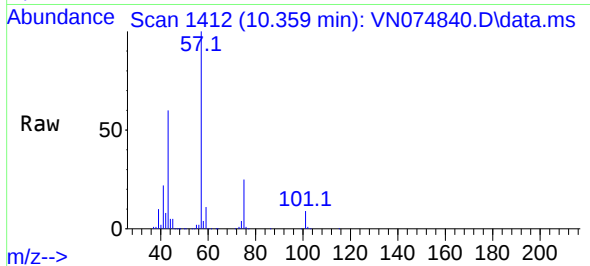
Tgt Ion: 43 Resp: 38347
Ion Ratio Lower Upper
43 100
58 18.2 30.6 45.8#



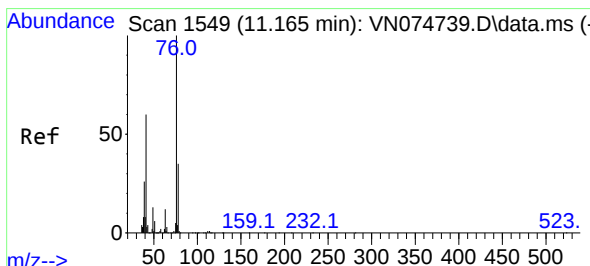
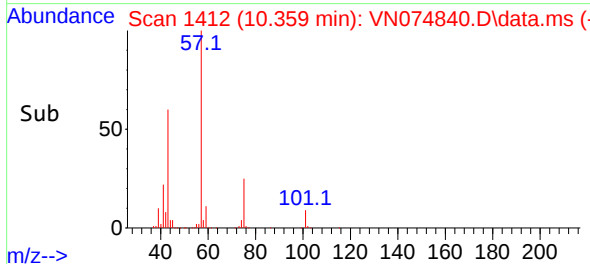
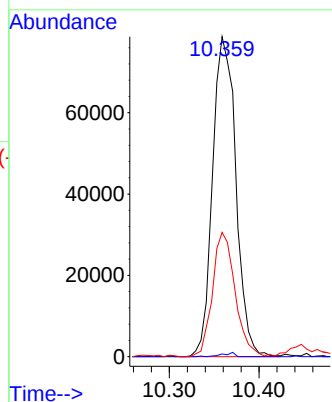


#54
cis-1,3-Dichloropropene
Concen: 9.877 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Instrument :
MSVOA_N
ClientSampleId :

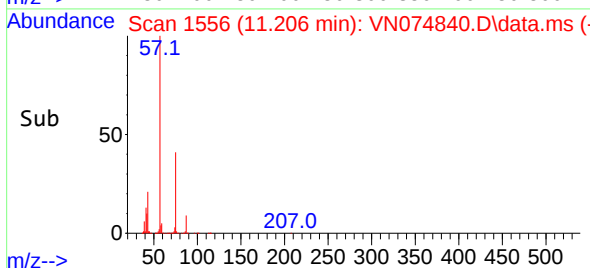
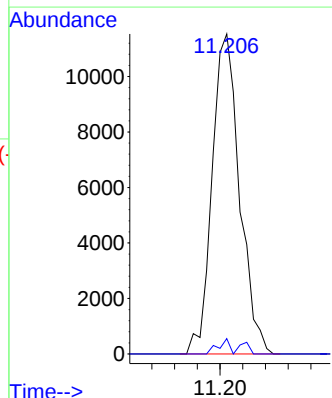
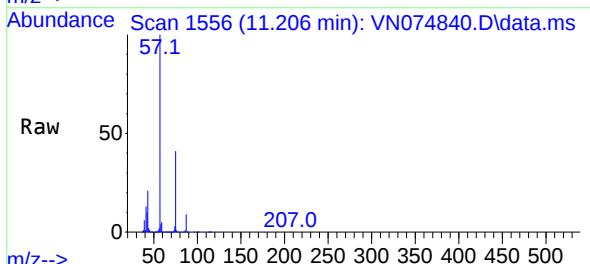


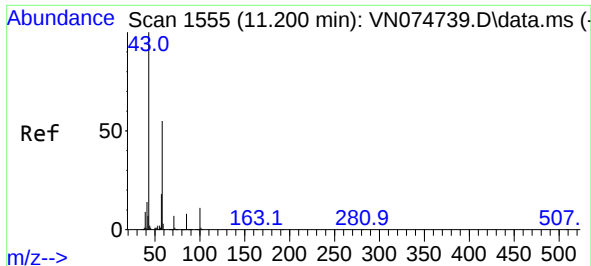
Tgt Ion: 75 Resp: 141919
Ion Ratio Lower Upper
75 100
77 0.8 24.4 36.6#
39 38.9 38.6 57.8



#57
1,3-Dichloropropane
Concen: 1.292 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 76 Resp: 19350
Ion Ratio Lower Upper
76 100
78 1.9 26.2 39.2#

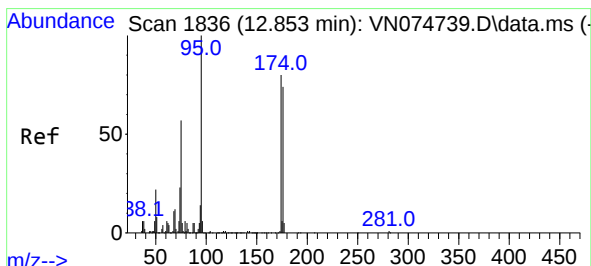
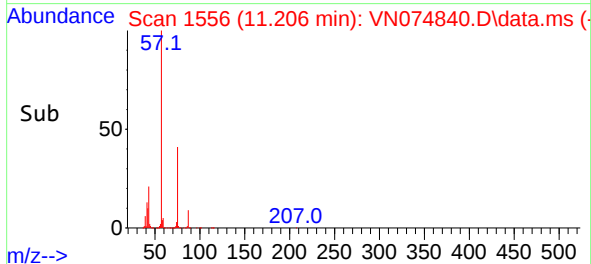
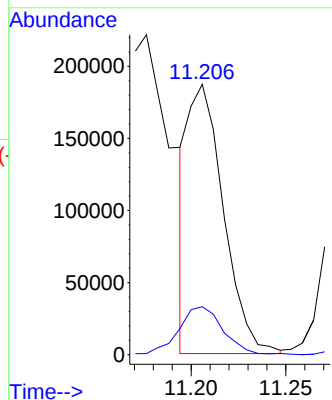
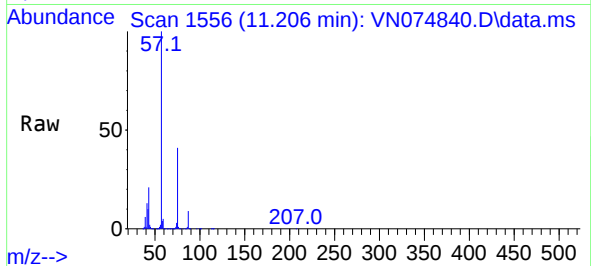




#59
2-Hexanone
Concen: 18.951 ug/l
RT: 11.206 min Scan# 11556
Delta R.T. 0.006 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

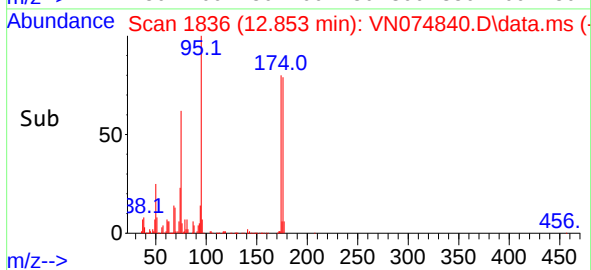
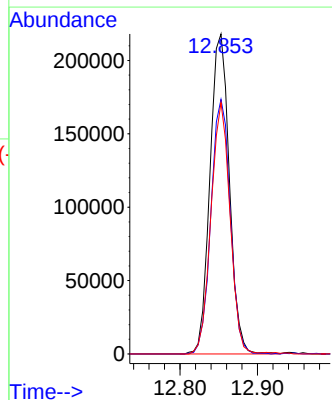
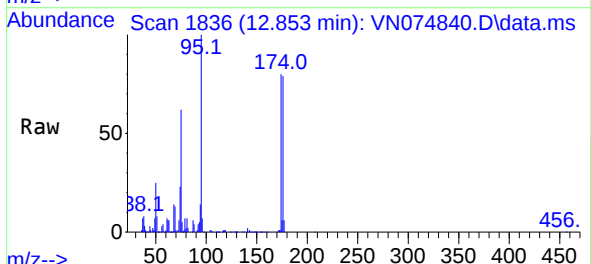
Instrument :
MSVOA_N
ClientSampleId :

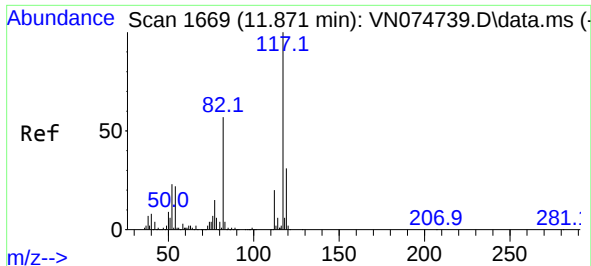
Tgt Ion: 43 Resp: 243194
Ion Ratio Lower Upper
43 100
58 22.4 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 44.138 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion: 95 Resp: 378057
Ion Ratio Lower Upper
95 100
174 79.4 0.0 149.4
176 76.9 0.0 142.0

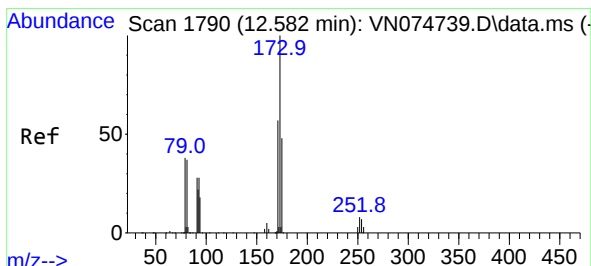
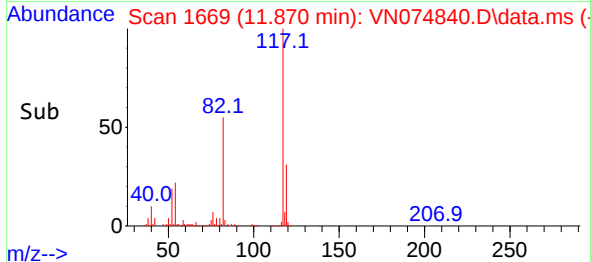
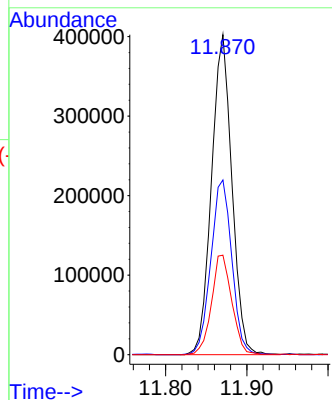
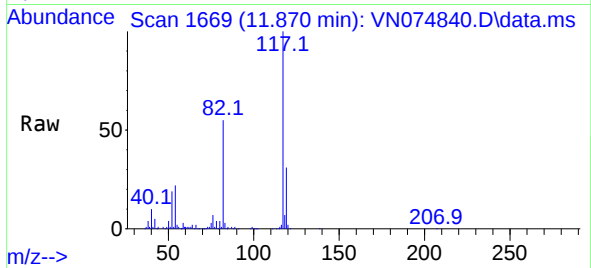




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

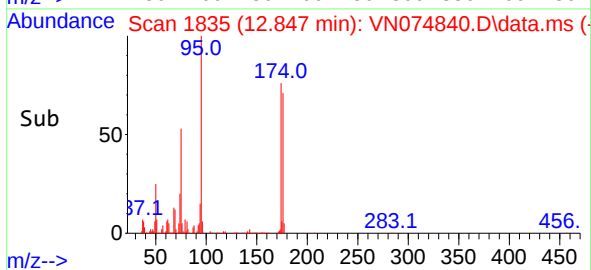
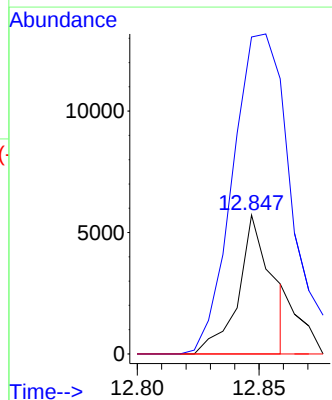
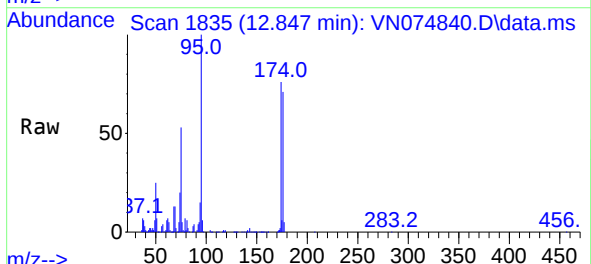
Instrument :
MSVOA_N
ClientSampleId :

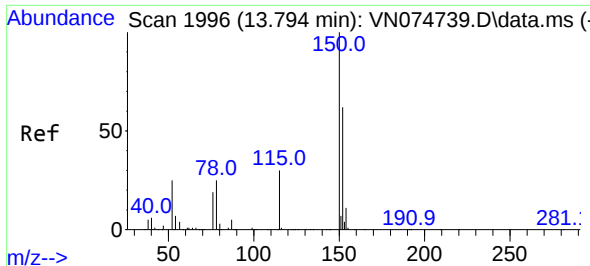
Tgt Ion:117 Resp: 700891
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.1 25.1 37.7



#71
Bromoform
Concen: 0.919 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.264 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

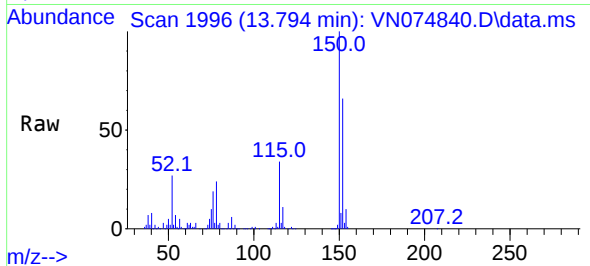
Tgt Ion:173 Resp: 5495
Ion Ratio Lower Upper
173 100
175 335.8 23.9 71.7#
254 0.0 0.1 0.1#



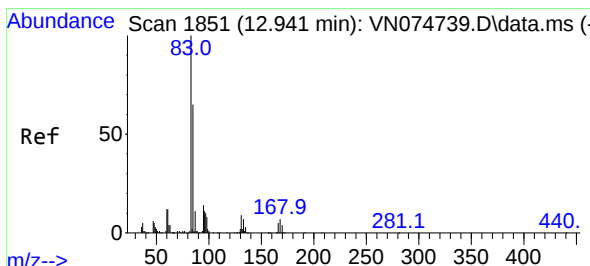
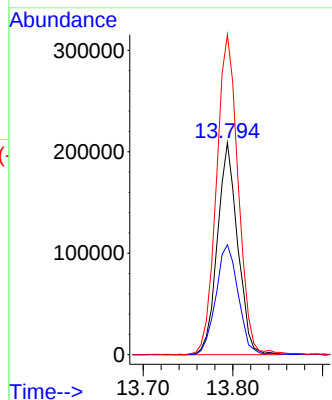
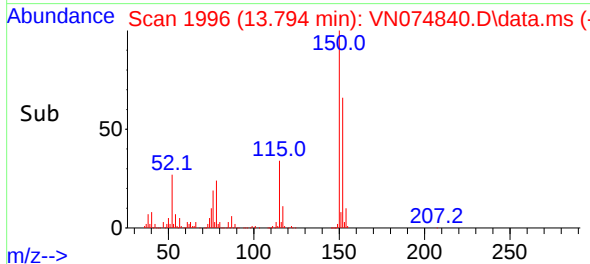


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074840.D
 Acq: 10 Oct 2022 18:37

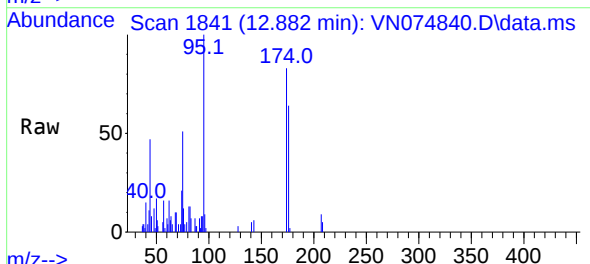
Instrument :
 MSVOA_N
 ClientSampleId :



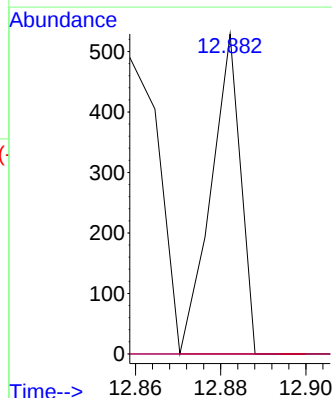
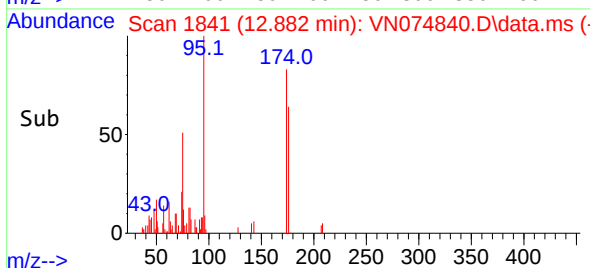
Tgt Ion:152 Resp: 327971
 Ion Ratio Lower Upper
 152 100
 115 57.3 30.0 90.0
 150 162.6 0.0 356.4

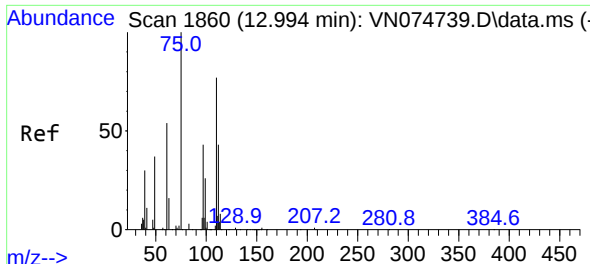


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.882 min Scan# 1841
 Delta R.T. -0.059 min
 Lab File: VN074840.D
 Acq: 10 Oct 2022 18:37



Tgt Ion: 83 Resp: 255
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 0.0 32.9 98.6#

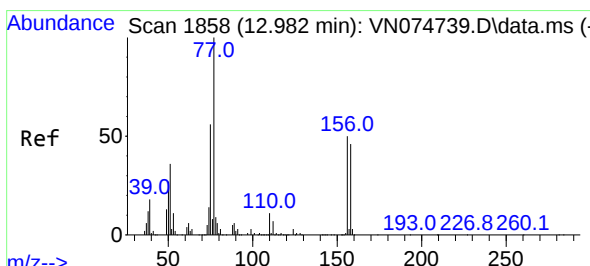
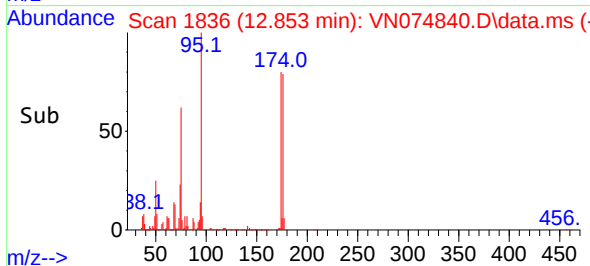
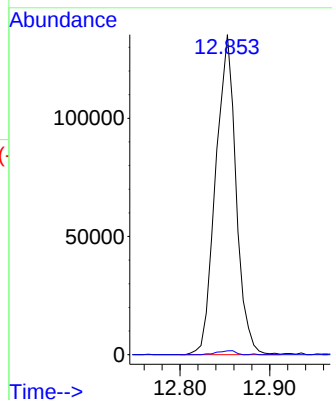
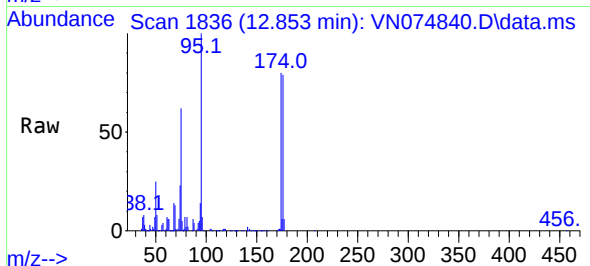




#76
1,2,3-Trichloropropane
Concen: 21.808 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

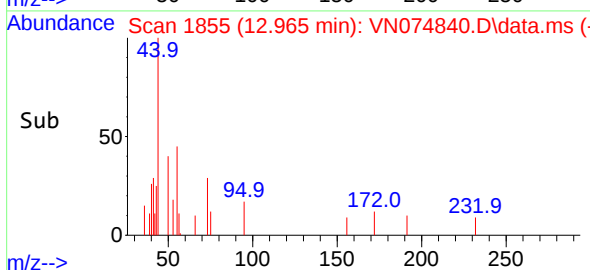
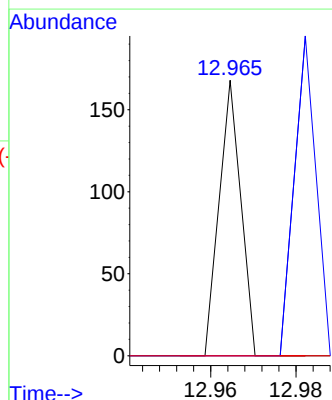
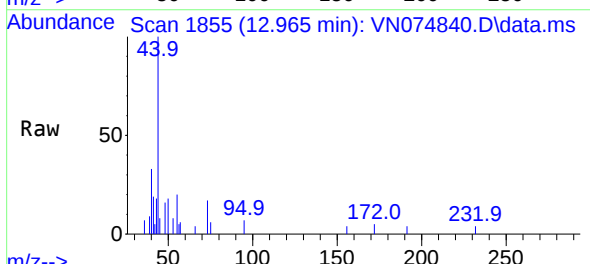
Instrument :
MSVOA_N
ClientSampleId :

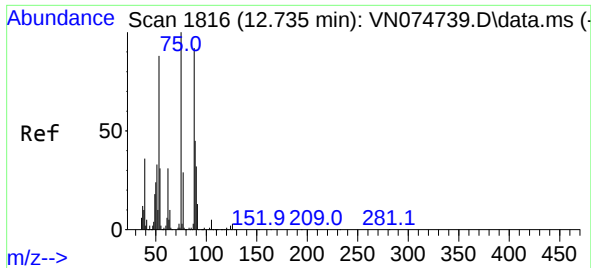
Tgt Ion: 75 Resp: 213476
Ion Ratio Lower Upper
75 100
77 1.1 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.965 min Scan# 1855
Delta R.T. -0.017 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Tgt Ion:156 Resp: 59
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 42.489 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074840.D
Acq: 10 Oct 2022 18:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 213476
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.0#
89 0.0 32.1 48.1#

