

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079773.D
 Acq On : 01 Nov 2023 15:55
 Operator : JC\MD
 Sample : 05173-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:55:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

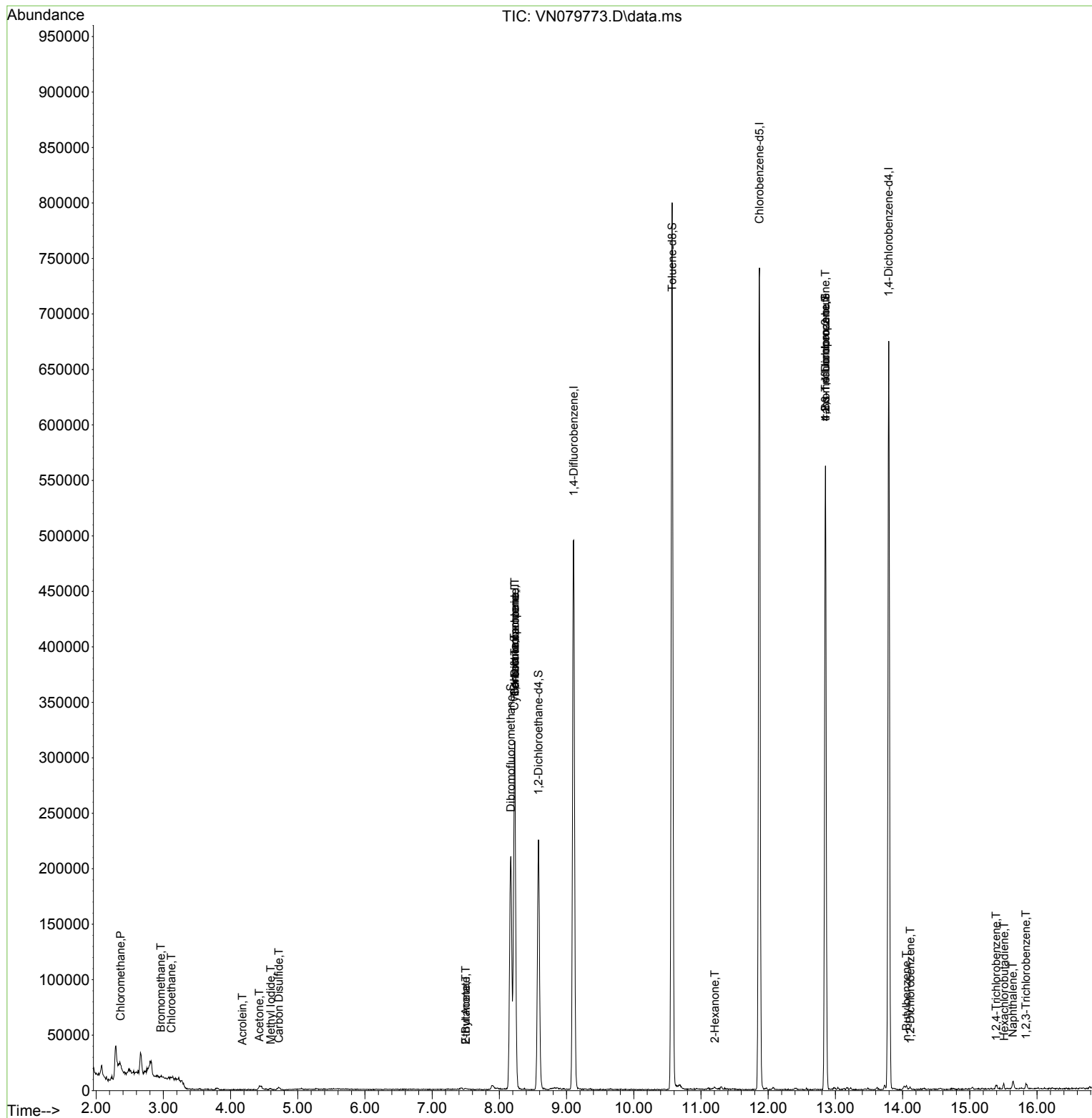
Internal Standards						
1) Pentafluorobenzene	8.230	168	221604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	426722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	426036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173049	51.255	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.520%	
35) Dibromofluoromethane	8.171	113	151298	50.096	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.200%	
50) Toluene-d8	10.571	98	546772	49.178	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.360%	
62) 4-Bromofluorobenzene	12.853	95	188852	51.216	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.440%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3047	0.248	ug/l	95
5) Bromomethane	2.965	94	654	0.308	ug/l	87
6) Chloroethane	3.118	64	3119	1.130	ug/l #	43
10) Methyl Iodide	4.600	142	1764	0.613	ug/l #	69
13) Acrolein	4.177	56	97	2.816	ug/l #	16
16) Acetone	4.430	43	3680	3.103	ug/l	95
17) Carbon Disulfide	4.718	76	3103	0.451	ug/l #	75
25) 2-Butanone	7.500	43	1485	0.855	ug/l #	37
31) Cyclohexane	8.224	56	5412	1.213	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	19444	4.509	ug/l #	48
37) Ethyl Acetate	7.500	43	1485	0.375	ug/l #	74
38) Carbon Tetrachloride	8.230	117	23798	5.476	ug/l #	15
59) 2-Hexanone	11.206	43	2148	0.719	ug/l #	56
76) 1,2,3-Trichloropropane	12.853	75	101584	25.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101584	68.293	ug/l #	15
89) n-Butylbenzene	14.059	91	2117	0.261	ug/l	91
91) 1,2-Dichlorobenzene	14.117	146	1175	0.209	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	1424	0.532	ug/l	89
94) Hexachlorobutadiene	15.511	225	1134	0.935	ug/l	96
95) Naphthalene	15.641	128	7197	0.793	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1748	0.667	ug/l	94

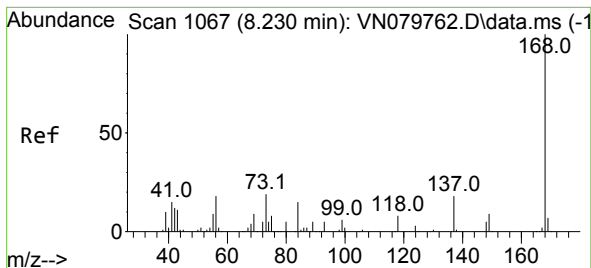
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079773.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_N

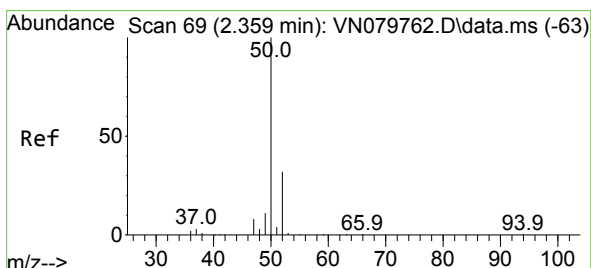
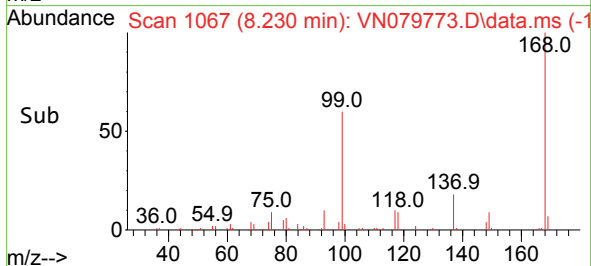
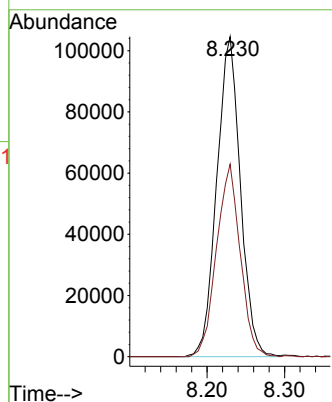
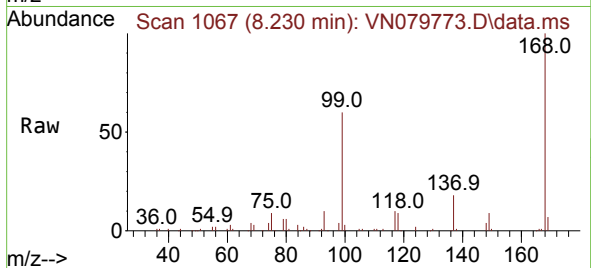
ClientSampleId :

Tgt Ion:168 Resp: 221604

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



#3

Chloromethane

Concen: 0.248 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079773.D

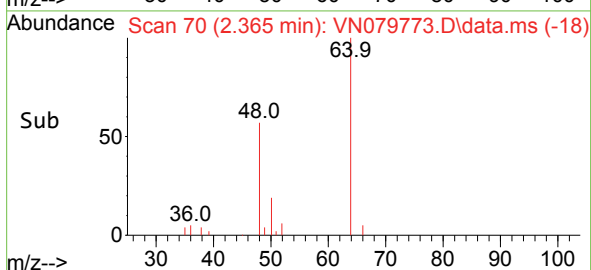
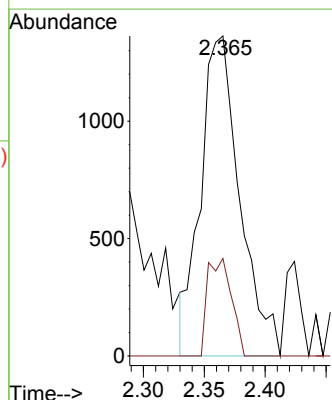
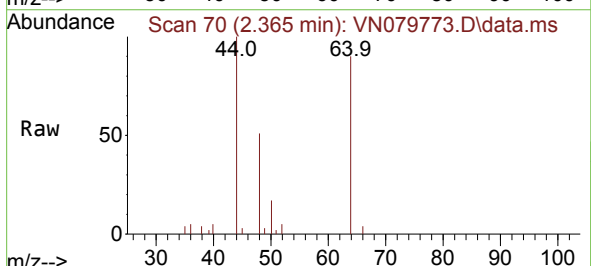
Acq: 01 Nov 2023 15:55

Tgt Ion: 50 Resp: 3047

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7

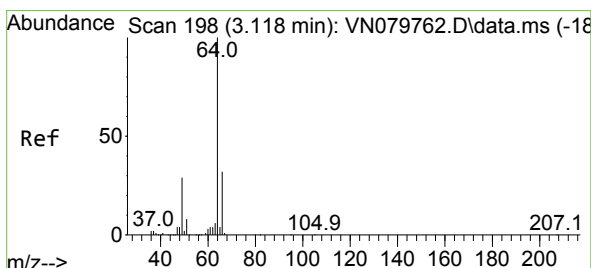
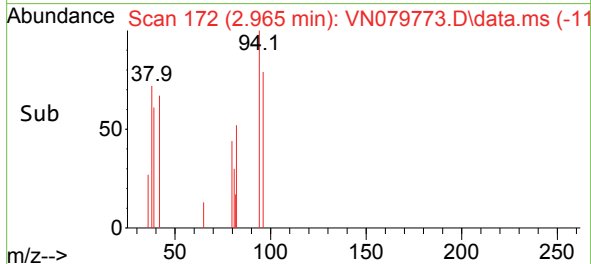
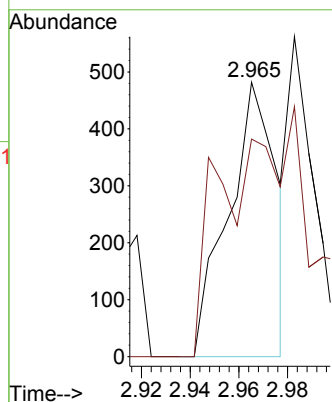
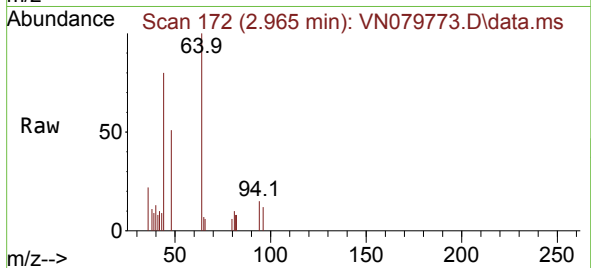




#5
Bromomethane
Concen: 0.308 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

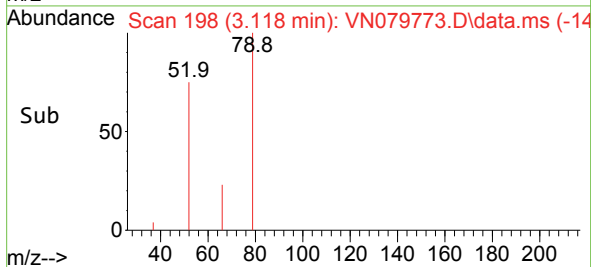
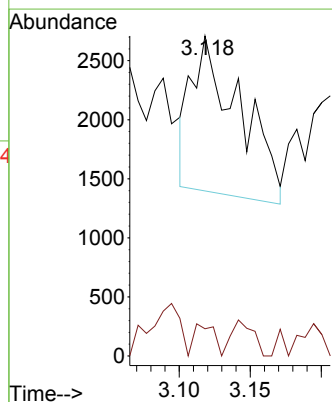
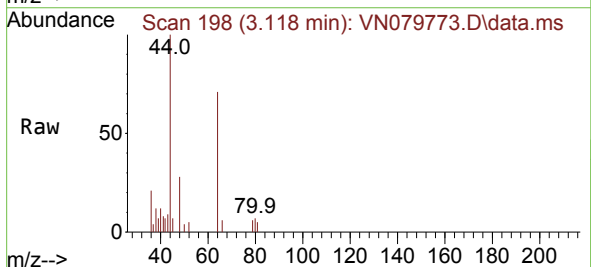
Instrument :
MSVOA_N
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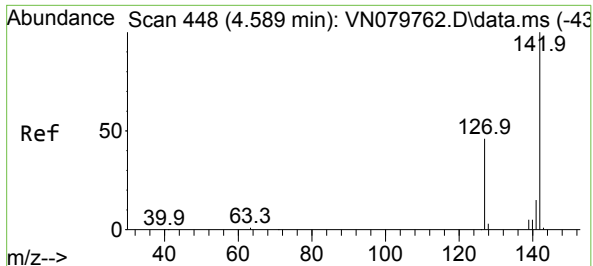
Tgt Ion: 94 Resp: 654
Ion Ratio Lower Upper
94 100
96 79.3 73.1 109.7



#6
Chloroethane
Concen: 1.130 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

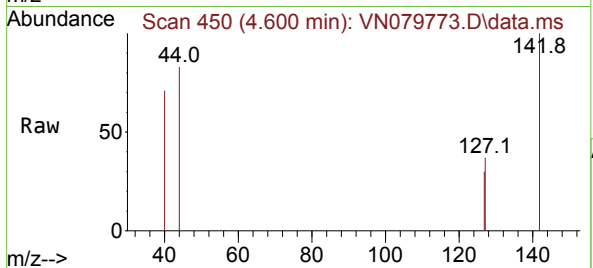
Tgt Ion: 64 Resp: 3119
Ion Ratio Lower Upper
64 100
66 0.3 25.4 38.2#



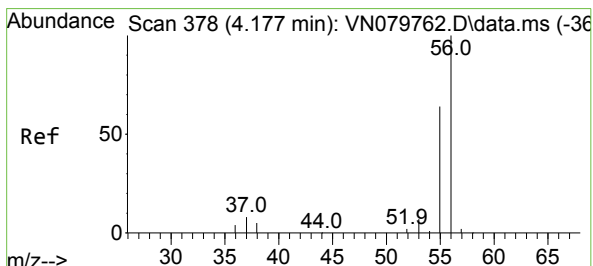
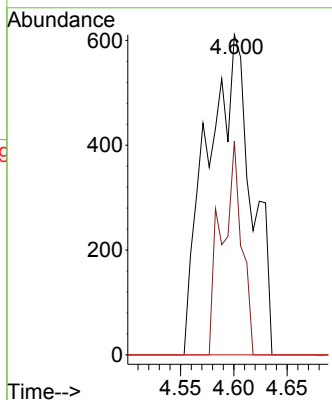
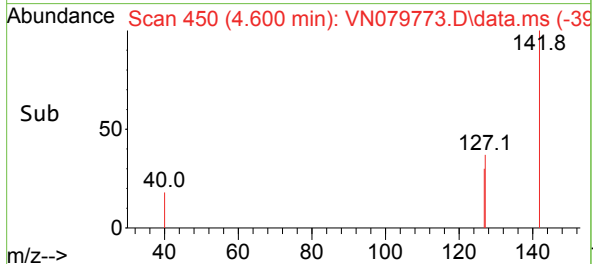


#10
Methyl Iodide
Concen: 0.613 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Instrument :
MSVOA_N
ClientSampleId :

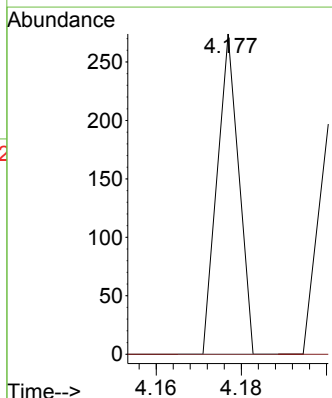
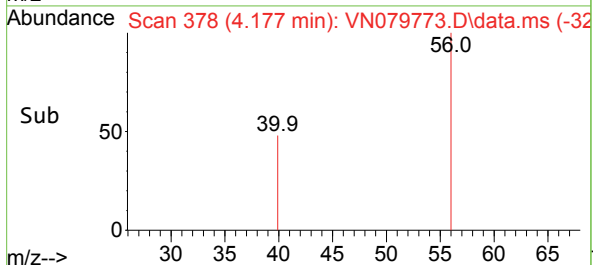
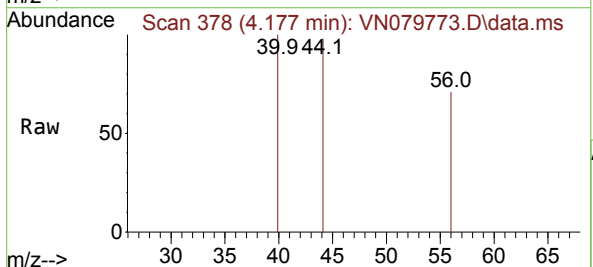


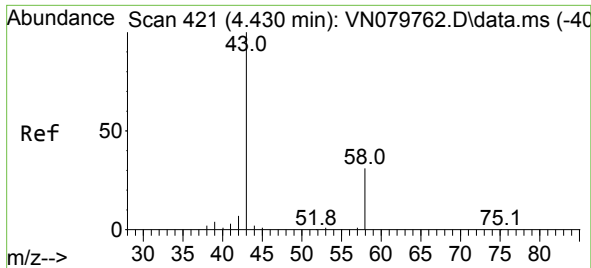
Tgt Ion:142 Resp: 1764
Ion Ratio Lower Upper
142 100
127 66.8 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 2.816 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

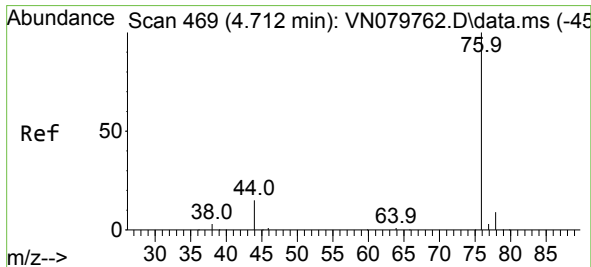
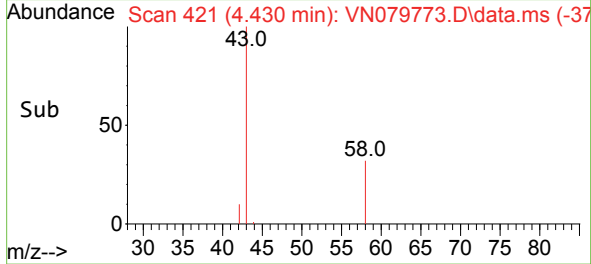
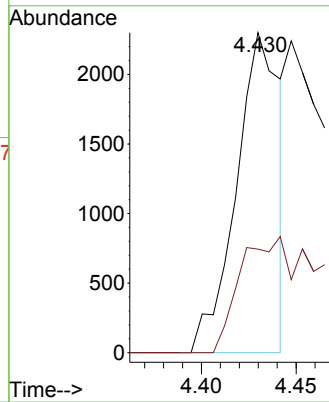
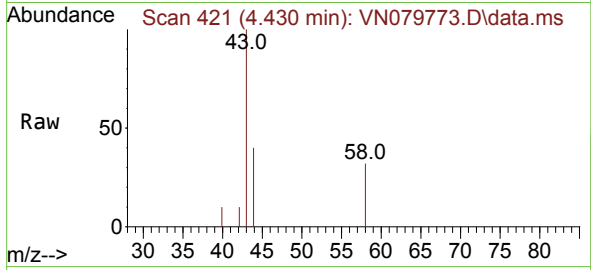




#16
Acetone
Concen: 3.103 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

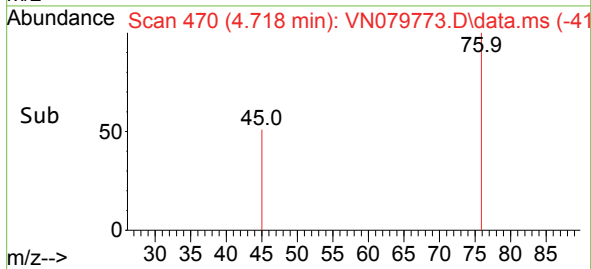
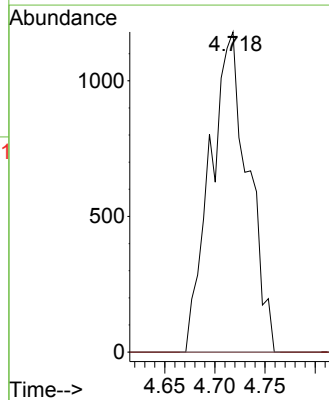
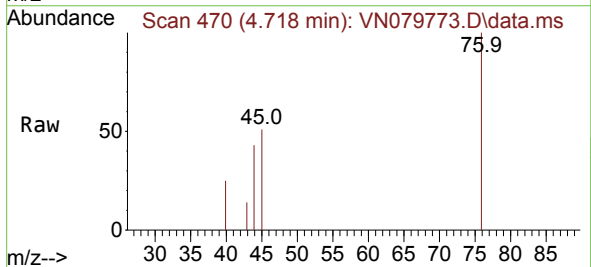
Instrument :
MSVOA_N
ClientSampleId :

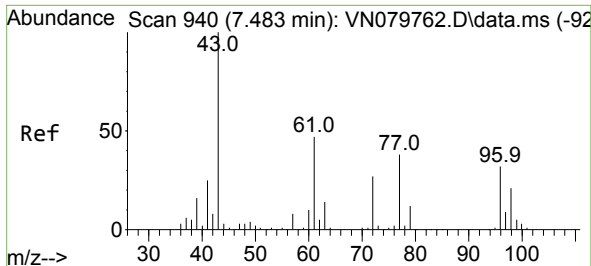
Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
58 32.3 28.0 42.0



#17
Carbon Disulfide
Concen: 0.451 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 76 Resp: 3103
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

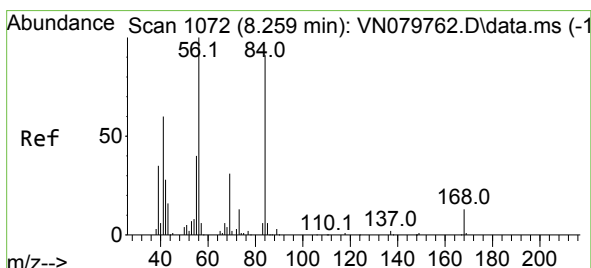
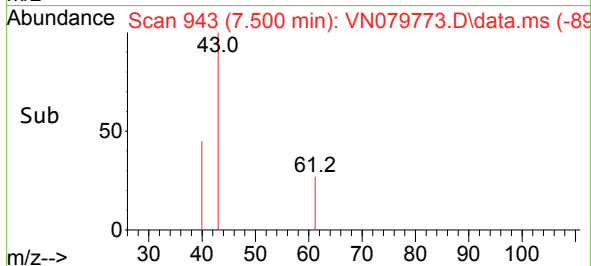
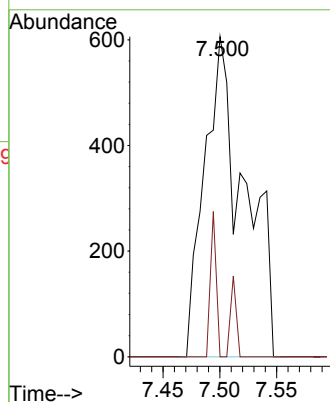
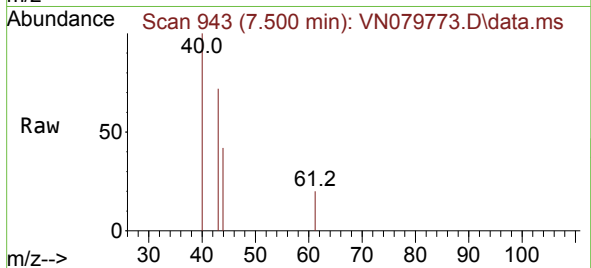




#25
2-Butanone
Concen: 0.855 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

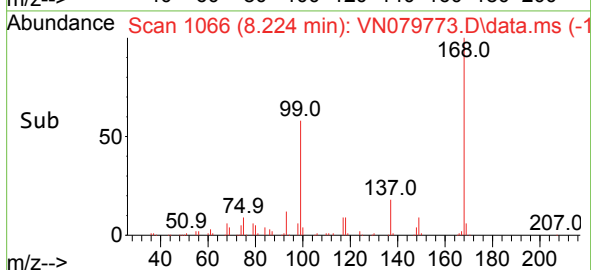
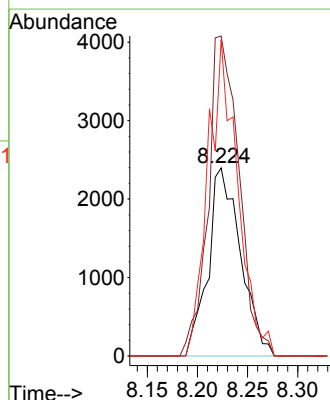
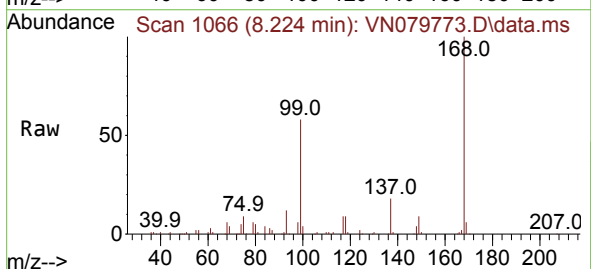
Instrument :
MSVOA_N
ClientSampleId :

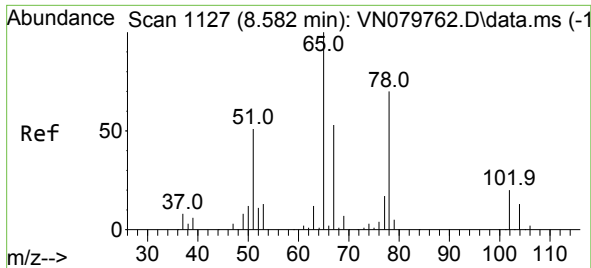
Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 56 Resp: 5412
Ion Ratio Lower Upper
56 100
69 170.2 26.8 40.2#
84 168.3 81.8 122.6#

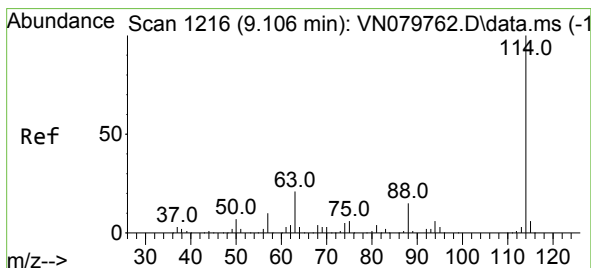
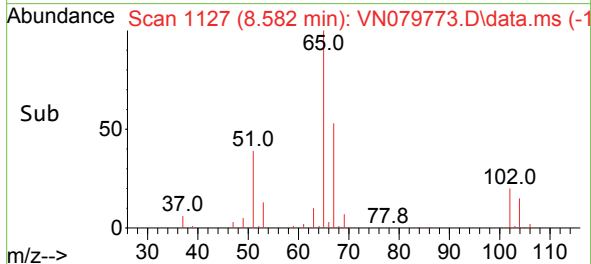
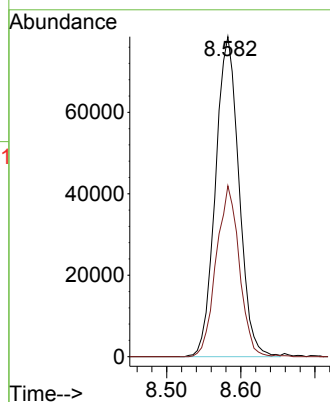
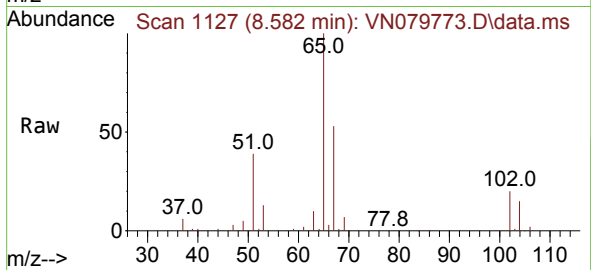




#33
1,2-Dichloroethane-d4
Concen: 51.255 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

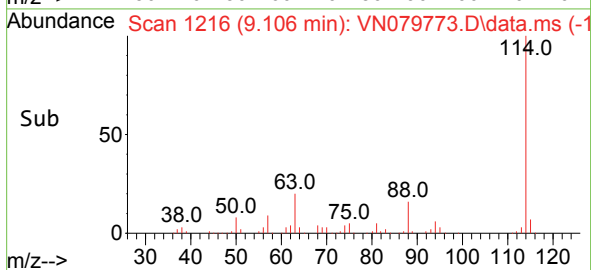
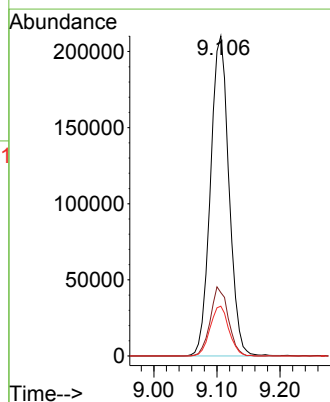
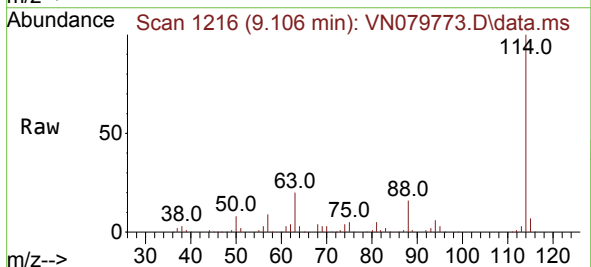
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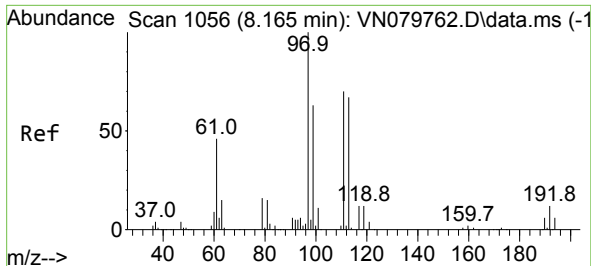
Tgt Ion: 65 Resp: 173049
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 114 Resp: 426722
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.4
88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.096 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

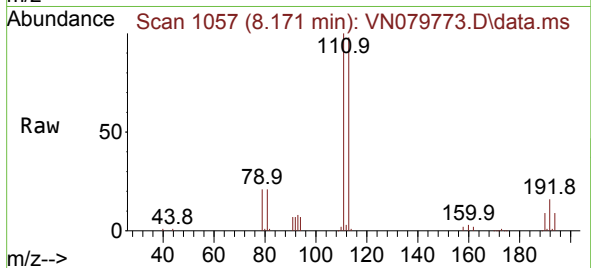
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Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_N

ClientSampleId :



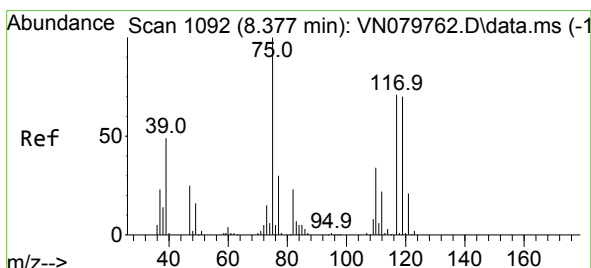
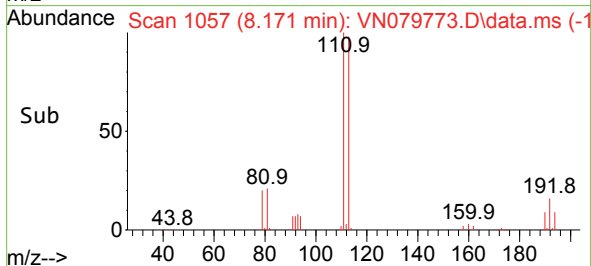
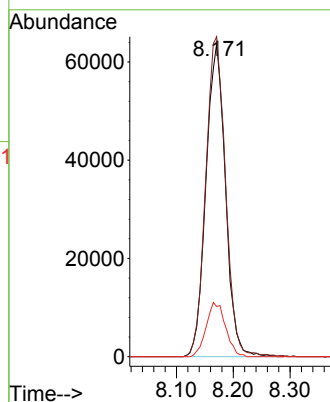
Tgt Ion:113 Resp: 151298

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 17.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079773.D

Acq: 01 Nov 2023 15:55

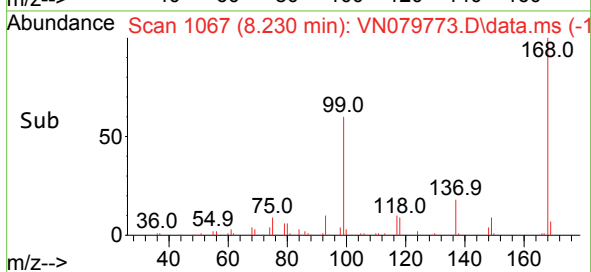
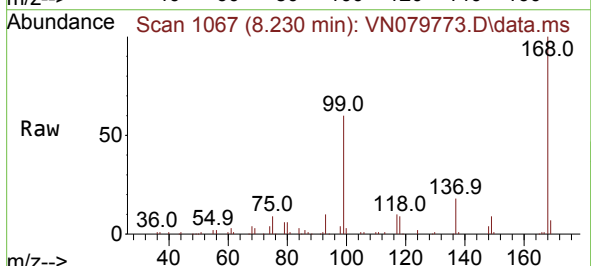
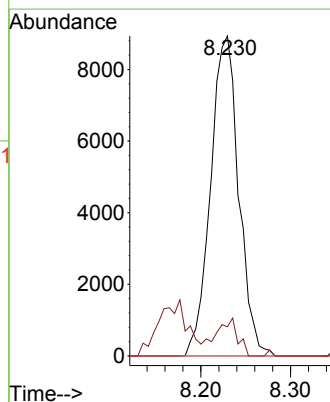
Tgt Ion: 75 Resp: 19444

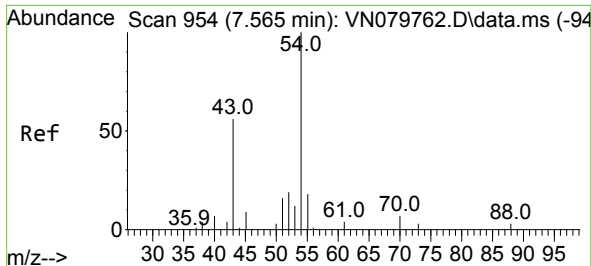
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.375 ug/l

RT: 7.500 min Scan# 94

Delta R.T. -0.065 min

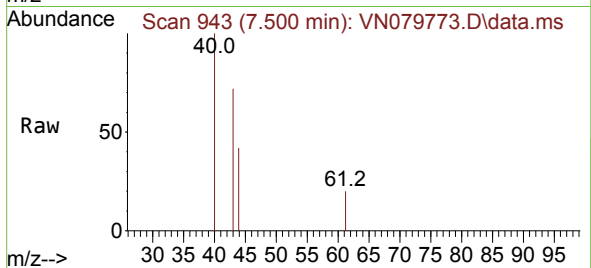
Lab File: VN079773.D

Acq: 01 Nov 2023 15:55

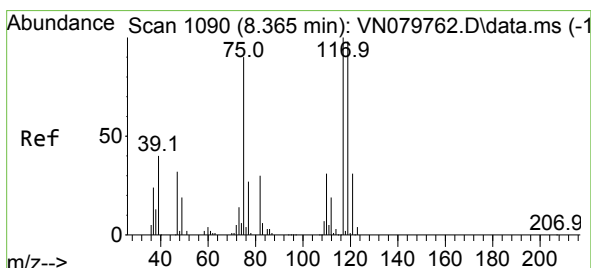
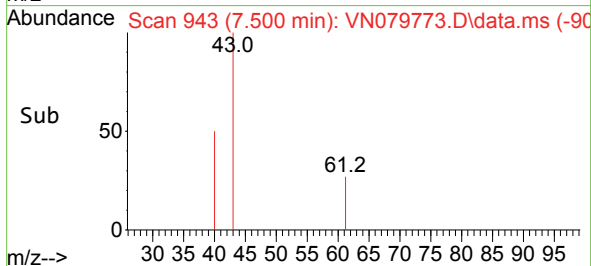
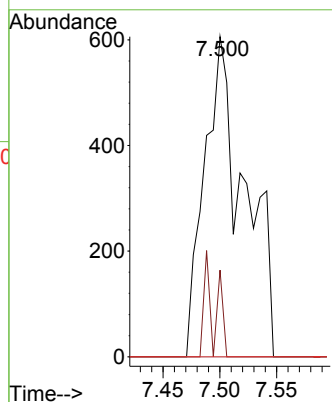
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	1485
Ion	Ratio	Lower Upper
43	100	
61	8.7	13.2 19.8#
70	0.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.476 ug/l

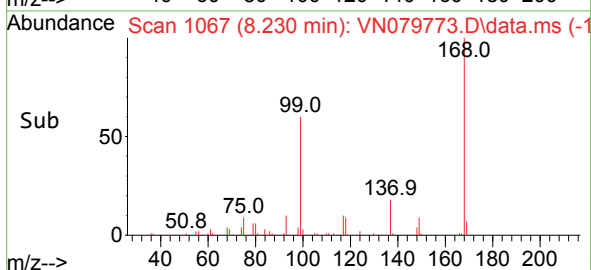
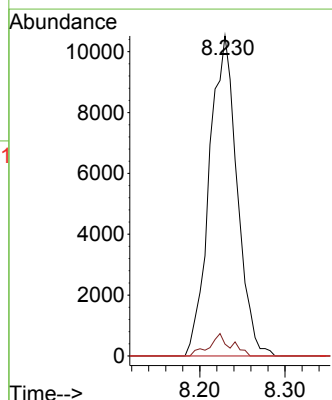
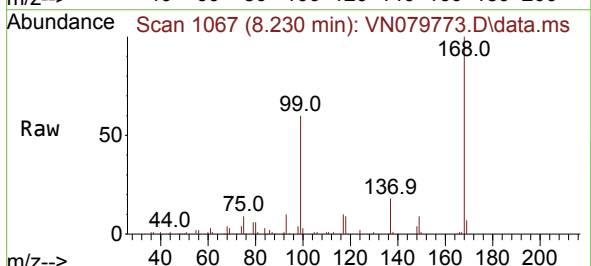
RT: 8.230 min Scan# 1067

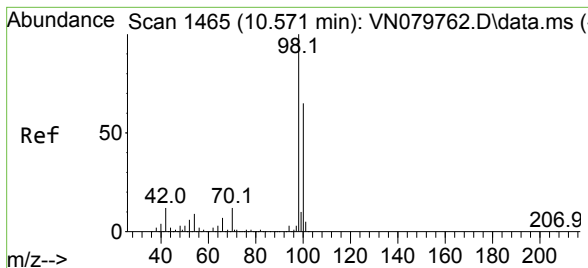
Delta R.T. -0.129 min

Lab File: VN079773.D

Acq: 01 Nov 2023 15:55

Tgt Ion: 117	Resp:	23798
Ion	Ratio	Lower Upper
117	100	
119	3.7	77.3 115.9#
121	0.0	23.3 34.9#

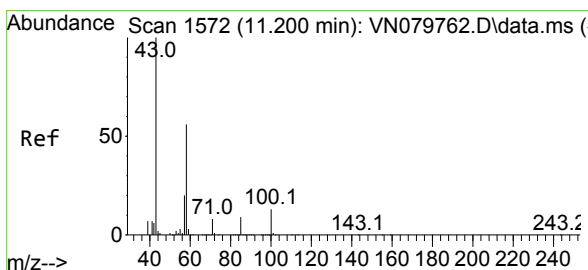
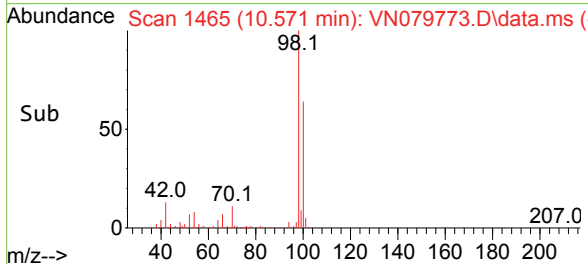
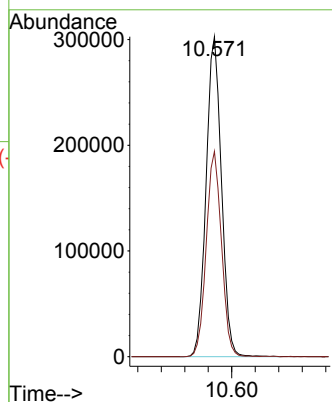
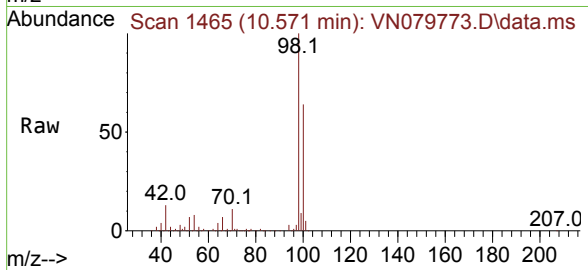




#50
Toluene-d8
Concen: 49.178 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

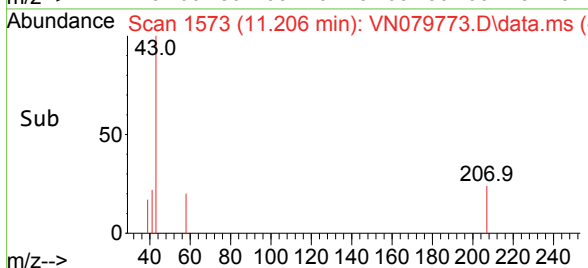
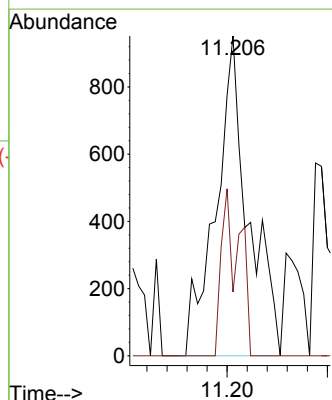
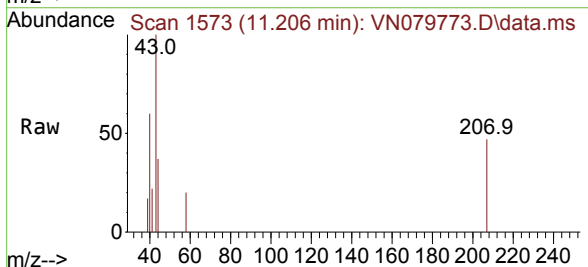
Instrument :
MSVOA_N
ClientSampleId :

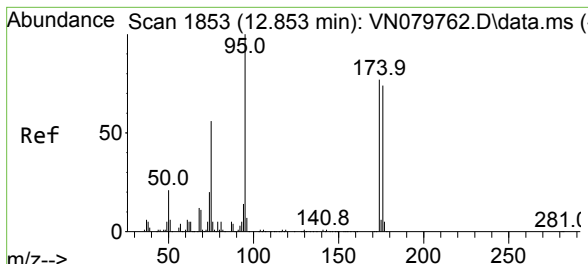
Tgt Ion: 98 Resp: 546772
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#59
2-Hexanone
Concen: 0.719 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
58 28.9 31.7 95.1#

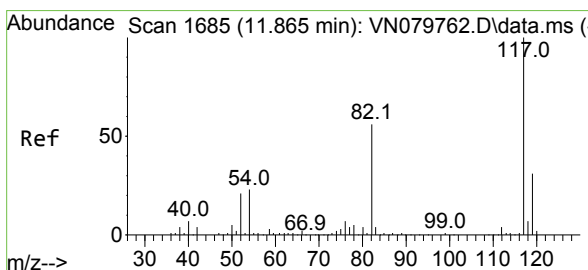
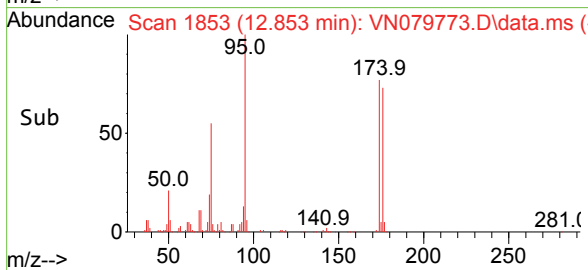
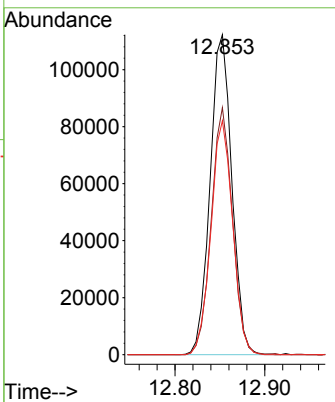
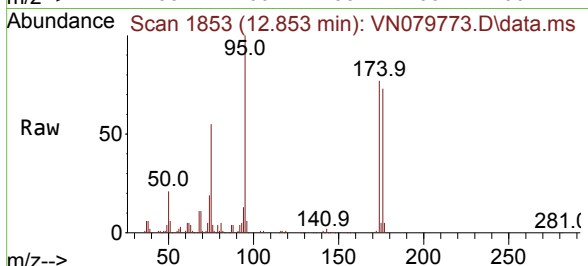




#62
 4-Bromofluorobenzene
 Concen: 51.216 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079773.D
 Acq: 01 Nov 2023 15:55

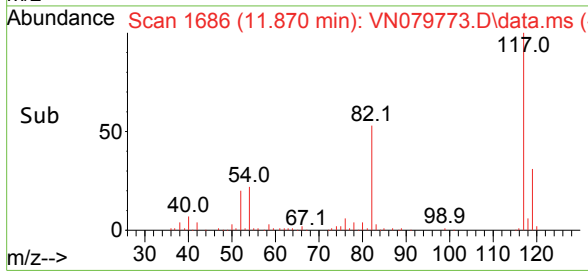
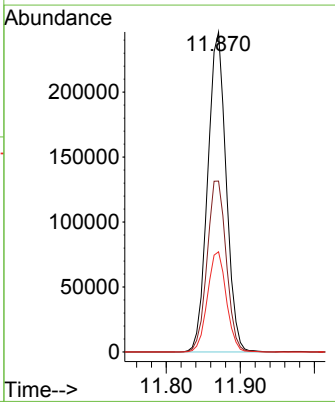
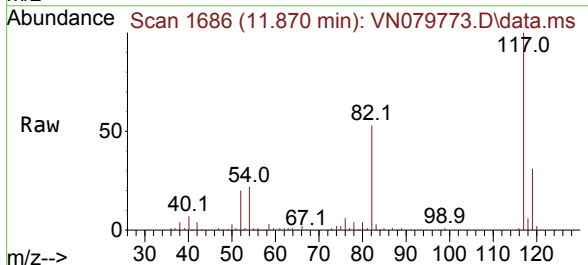
Instrument :
 MSVOA_N
 ClientSampleId :

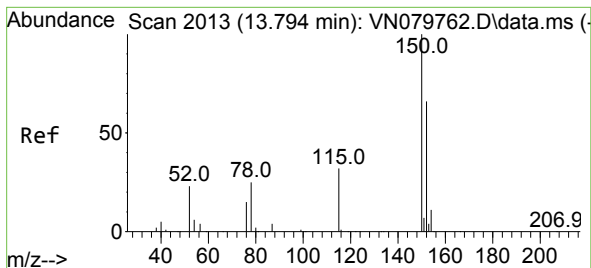
Tgt Ion:	95	Resp:	188852
Ion Ratio	Lower	Upper	
95	100		
174	75.3	0.0	143.8
176	73.0	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079773.D
 Acq: 01 Nov 2023 15:55

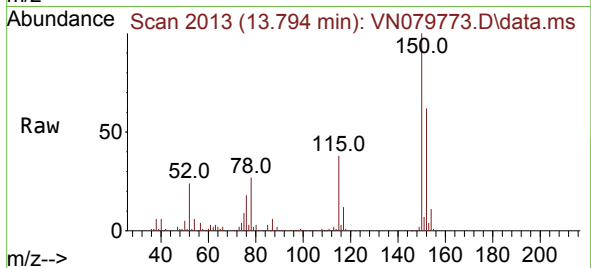
Tgt Ion:	117	Resp:	426036
Ion Ratio	Lower	Upper	
117	100		
82	53.4	44.0	66.0
119	31.3	25.6	38.4



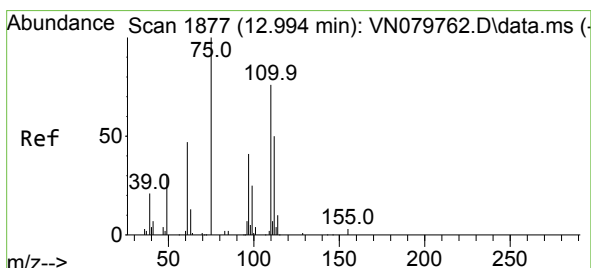
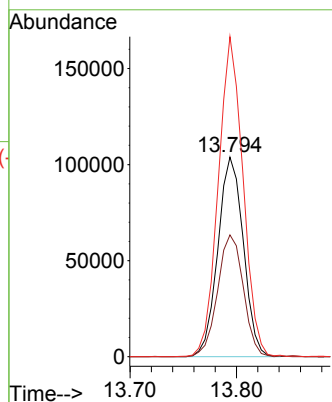
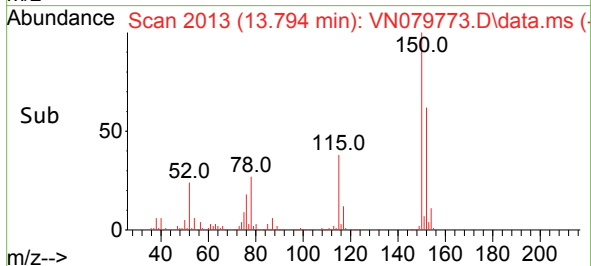


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Instrument :
MSVOA_N
ClientSampleId :

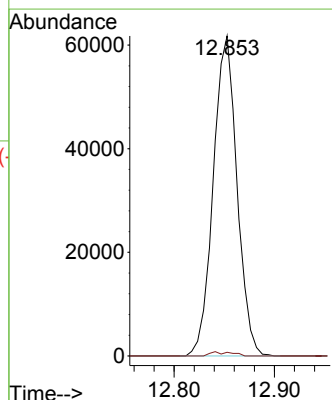
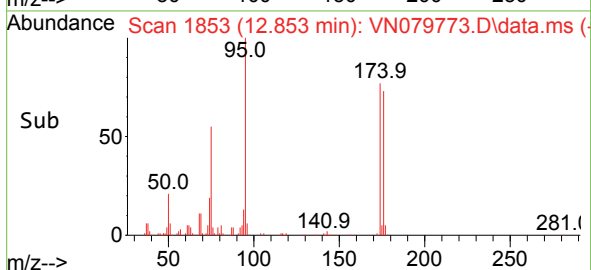
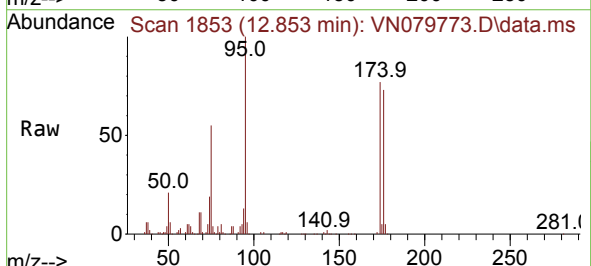


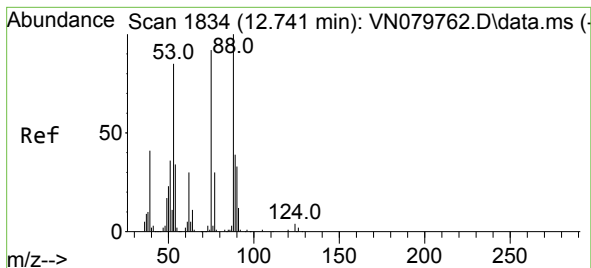
Tgt Ion:152 Resp: 172385
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 155.8 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 25.100 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 75 Resp: 101584
Ion Ratio Lower Upper
75 100
77 0.6 84.5 253.5#

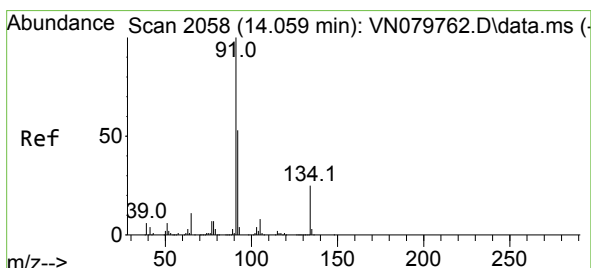
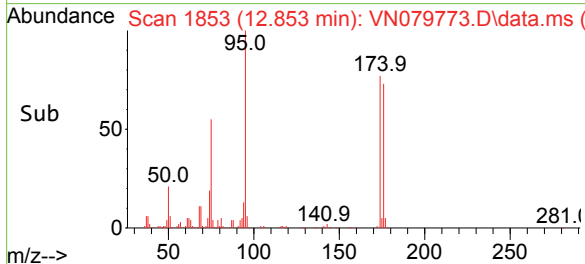
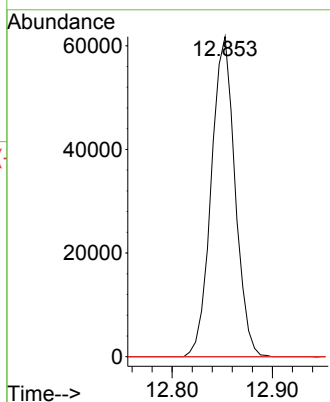
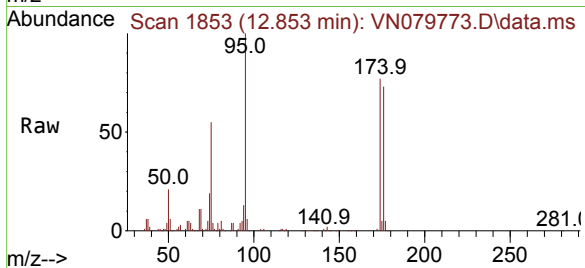




#81
trans-1,4-Dichloro-2-butene
Concen: 68.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

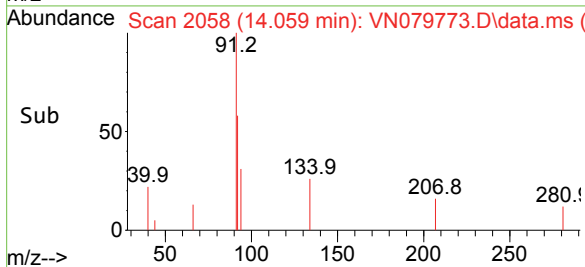
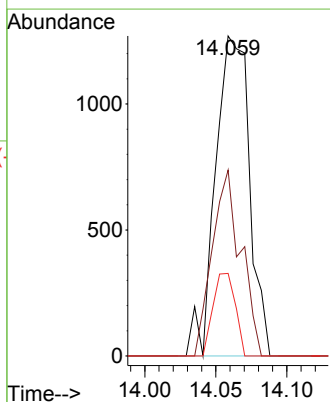
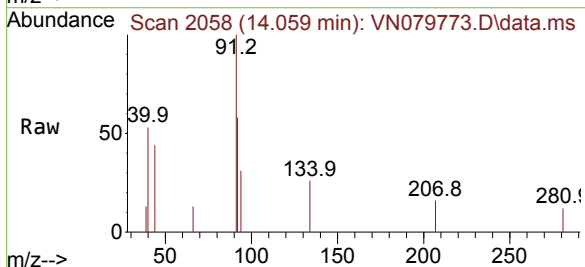
Instrument :
MSVOA_N
ClientSampleId :

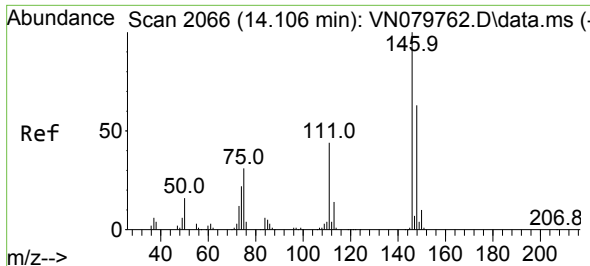
Tgt Ion: 75 Resp: 101584
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

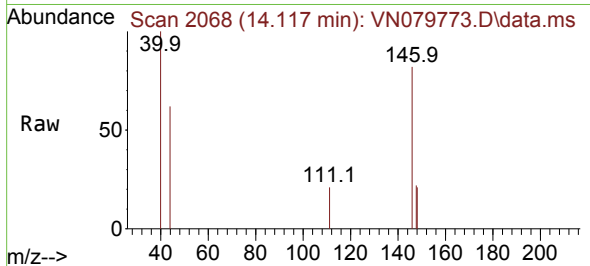
Tgt Ion: 91 Resp: 2117
Ion Ratio Lower Upper
91 100
92 48.8 26.4 79.0
134 16.8 12.6 37.6



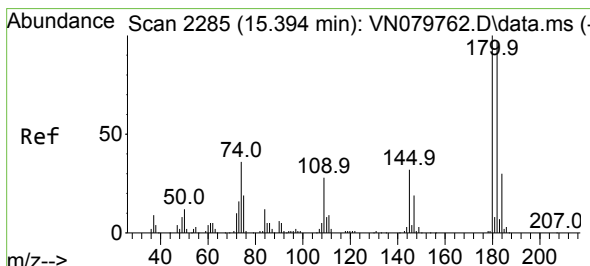
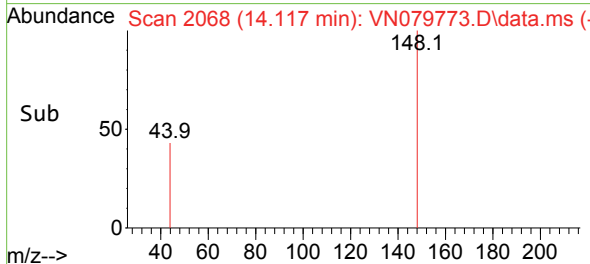
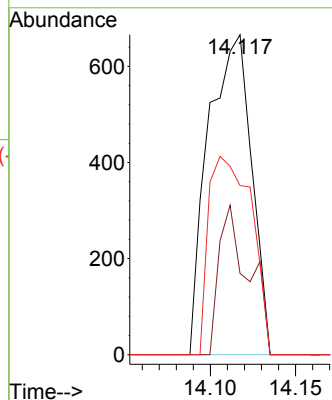


#91
1,2-Dichlorobenzene
Concen: 0.209 ug/l
RT: 14.117 min Scan# 2066
Delta R.T. 0.012 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

Instrument :
MSVOA_N
ClientSampleId :

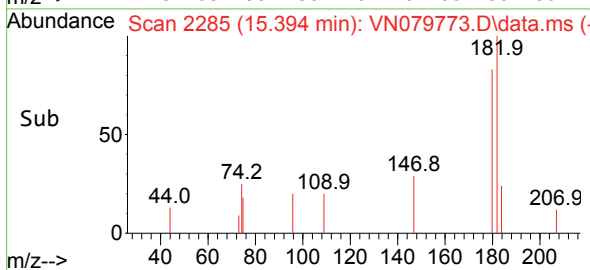
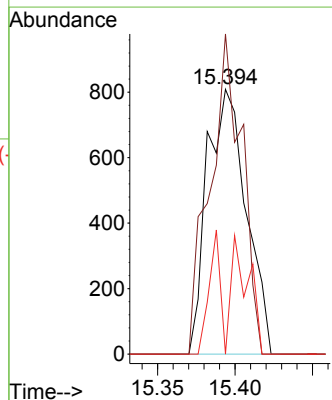
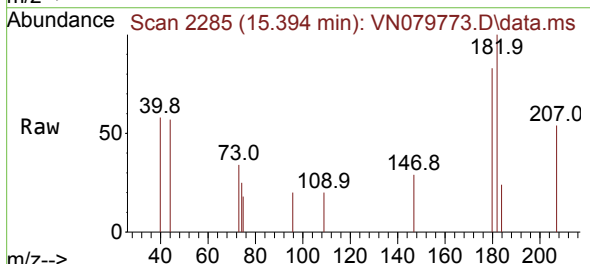


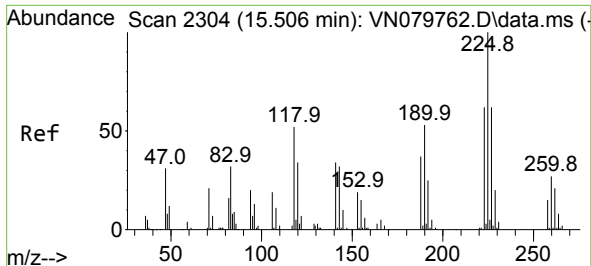
Tgt Ion:146 Resp: 1175
Ion Ratio Lower Upper
146 100
111 31.9 22.0 66.0
148 61.7 31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 0.532 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

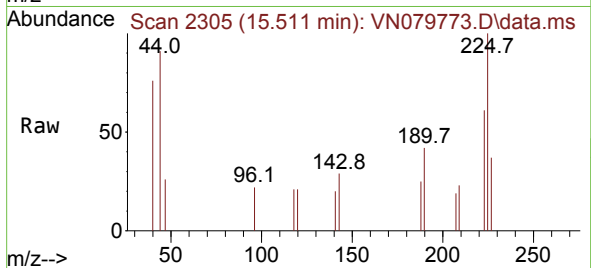
Tgt Ion:180 Resp: 1424
Ion Ratio Lower Upper
180 100
182 99.0 46.1 138.2
145 20.1 16.6 49.8



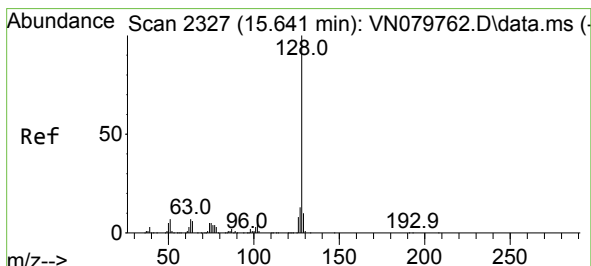
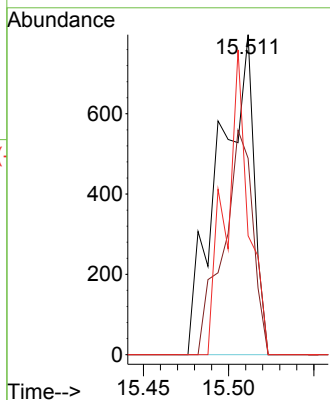
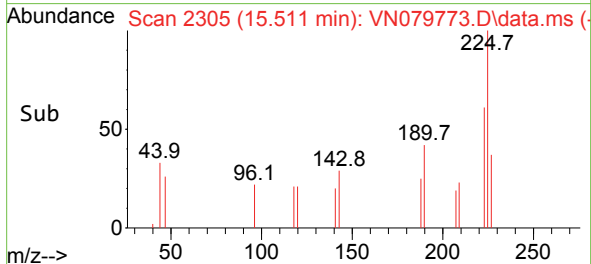


#94
Hexachlorobutadiene
Concen: 0.935 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55

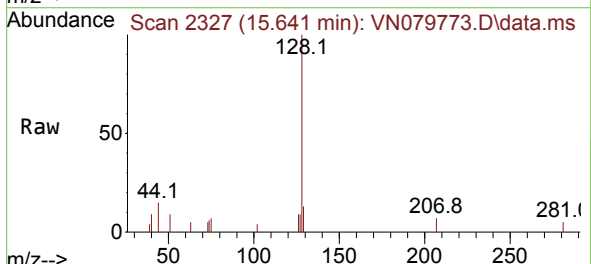
Instrument :
MSVOA_N
ClientSampleId :



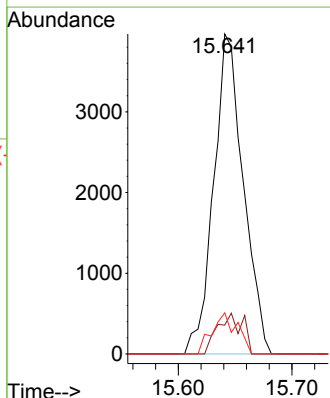
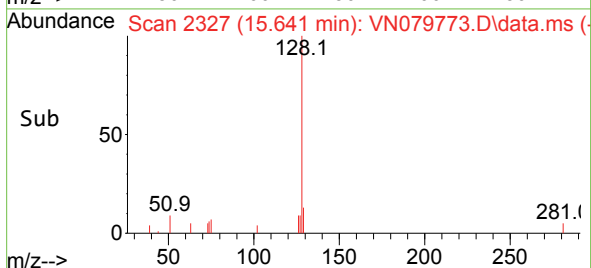
Tgt Ion:225 Resp: 1134
Ion Ratio Lower Upper
225 100
223 59.3 31.3 93.8
227 61.5 31.9 95.9

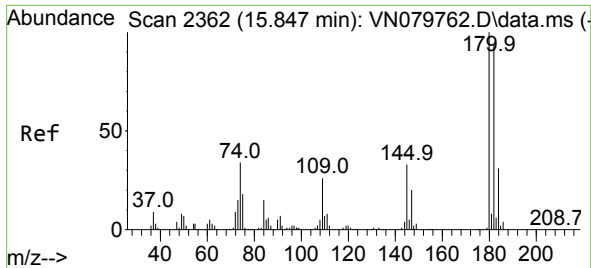


#95
Naphthalene
Concen: 0.793 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079773.D
Acq: 01 Nov 2023 15:55



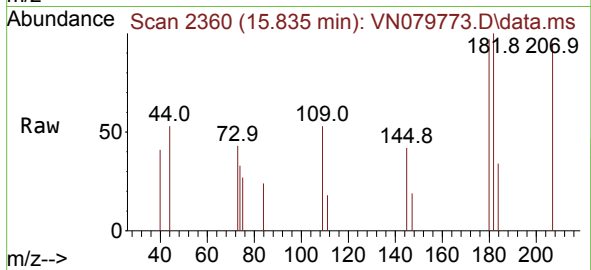
Tgt Ion:128 Resp: 7197
Ion Ratio Lower Upper
128 100
127 10.7 10.0 15.0
129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.667 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079773.D
 Acq: 01 Nov 2023 15:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1748
Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.2	138.6
145	44.5	17.5	52.6

