

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078530.D
 Acq On : 14 Jul 2023 18:27
 Operator : JC\MD
 Sample : 03637-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A508

Quant Time: Jul 15 04:06:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

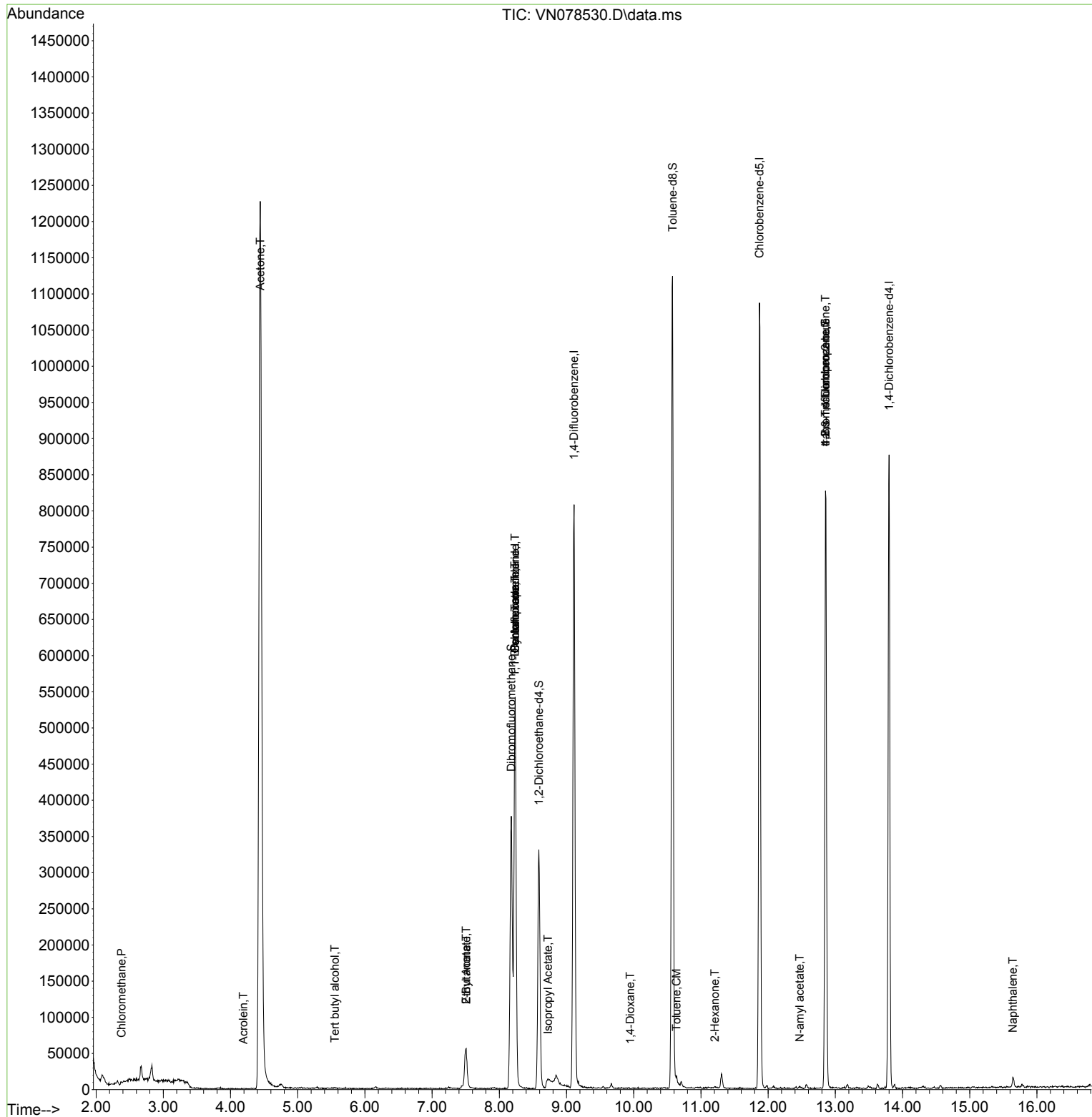
Internal Standards						
1) Pentafluorobenzene	8.236	168	394515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	720838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	667547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	245768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	269520	50.960	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.920%			
35) Dibromofluoromethane	8.177	113	274028	56.001	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.000%			
50) Toluene-d8	10.577	98	819820	44.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.853	95	290932	51.096	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.200%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1941	0.369	ug/l #	79
5) Bromomethane	2.977	94	739	Below Cal	#	63
6) Chloroethane	3.101	64	545	Below Cal		96
11) Tert butyl alcohol	5.553	59	641	0.786	ug/l #	72
13) Acrolein	4.189	56	331	0.413	ug/l #	16
16) Acetone	4.442	43	2274338	1380.485	ug/l	98
20) Methylene Chloride	5.283	84	552	Below Cal	#	46
25) 2-Butanone	7.506	43	88196	34.008	ug/l #	87
31) Cyclohexane	8.236	56	8476	1.186	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	31974	4.525	ug/l #	50
37) Ethyl Acetate	7.506	43	88196	14.974	ug/l #	64
38) Carbon Tetrachloride	8.236	117	41028	5.343	ug/l #	16
43) Isopropyl Acetate	8.724	43	9513	0.981	ug/l #	49
49) 1,4-Dioxane	9.947	88	67	0.684	ug/l #	1
52) Toluene	10.635	92	4413	0.340	ug/l	89
59) 2-Hexanone	11.206	43	1091	0.266	ug/l #	54
74) N-amyl acetate	12.471	43	2831	0.356	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.929	83	56	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	152312	25.640	ug/l #	1
77) Bromobenzene	12.853	156	62	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152312	67.376	ug/l #	15
90) Hexachloroethane	14.335	117	55	Below Cal	#	21
95) Naphthalene	15.641	128	11579	1.203	ug/l	99

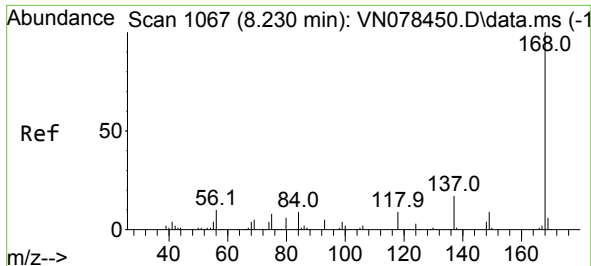
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

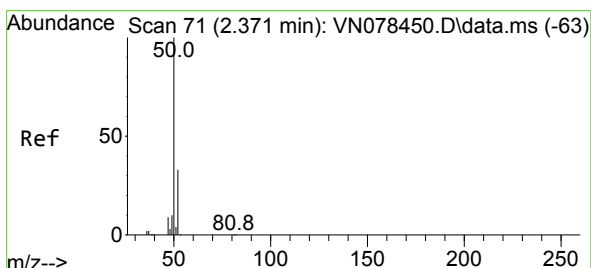
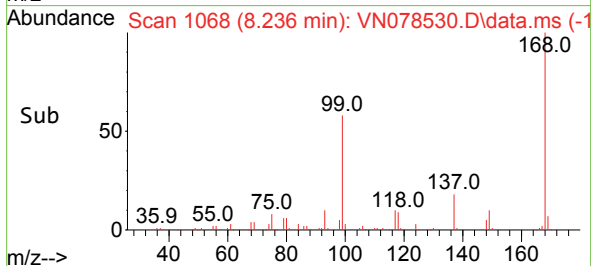
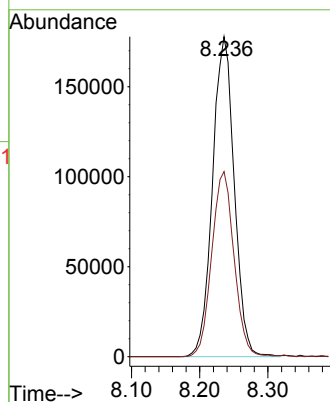
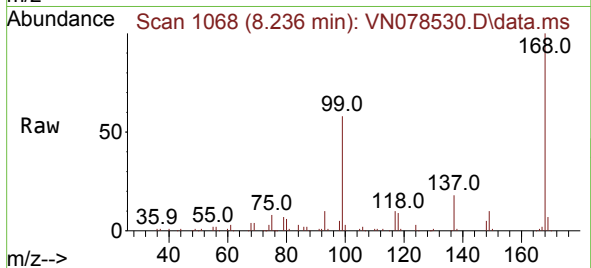




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

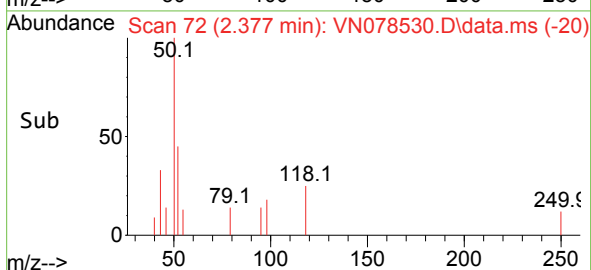
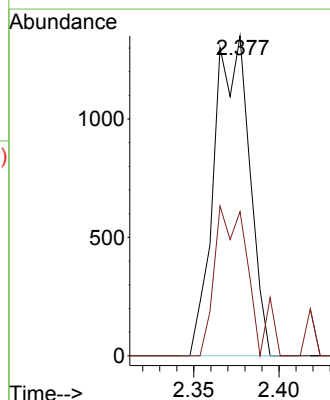
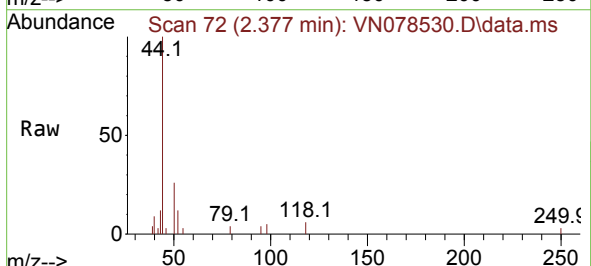
Instrument :
MSVOA_N
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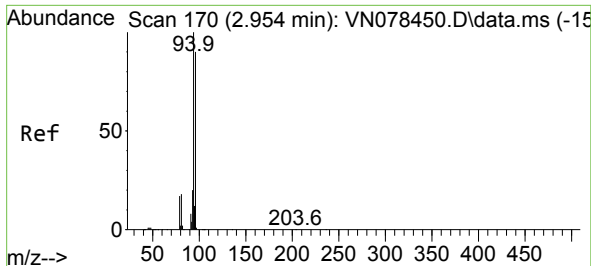
Tgt Ion:168 Resp: 394515
Ion Ratio Lower Upper
168 100
99 57.9 53.0 79.6



#3
Chloromethane
Concen: 0.369 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 50 Resp: 1941
Ion Ratio Lower Upper
50 100
52 45.1 26.5 39.7#

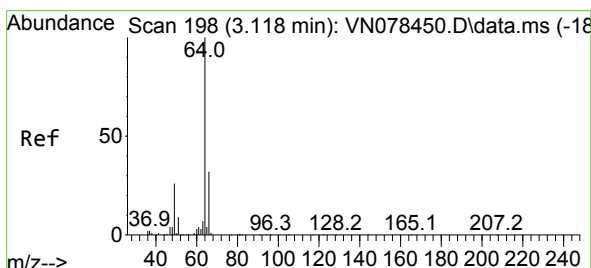
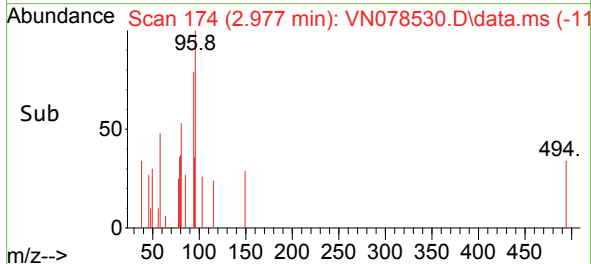
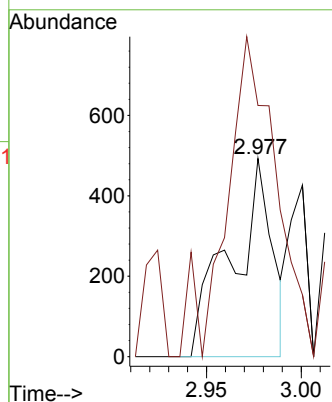
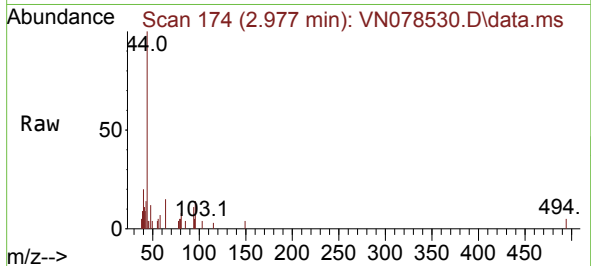




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

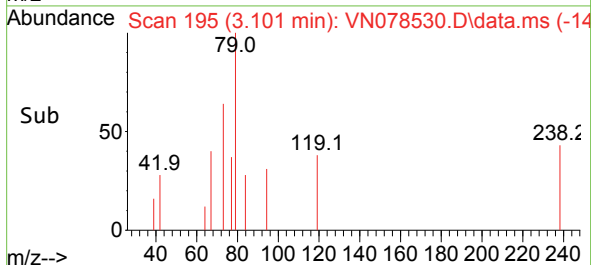
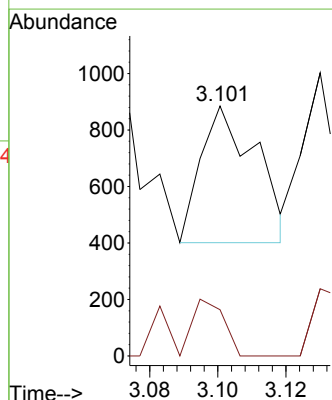
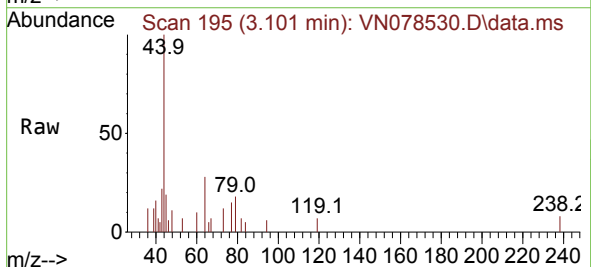
Instrument :
MSVOA_N
ClientSampleId :
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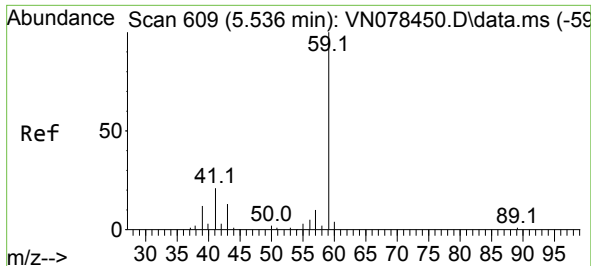
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 126.8 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 64 Resp: 545
Ion Ratio Lower Upper
64 100
66 33.9 25.4 38.2

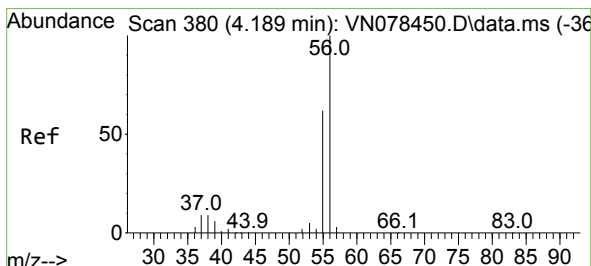
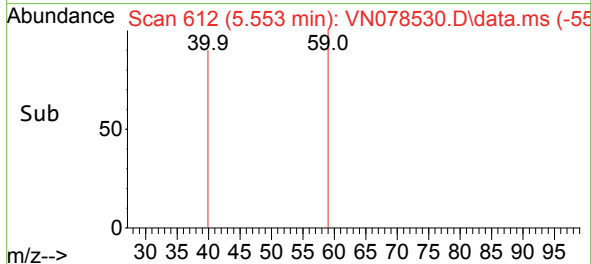
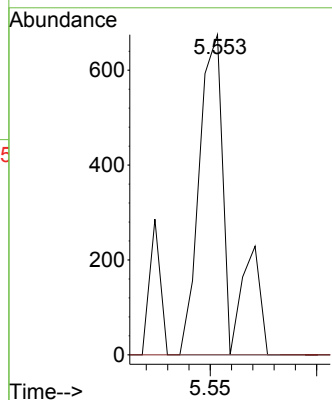
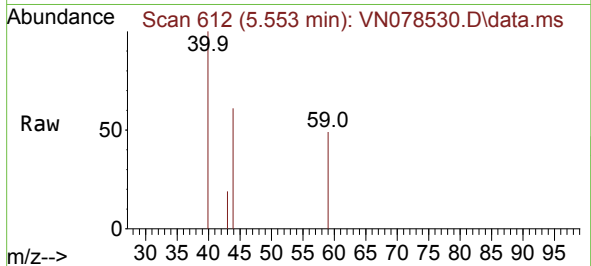




#11
Tert butyl alcohol
Concen: 0.786 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.017 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

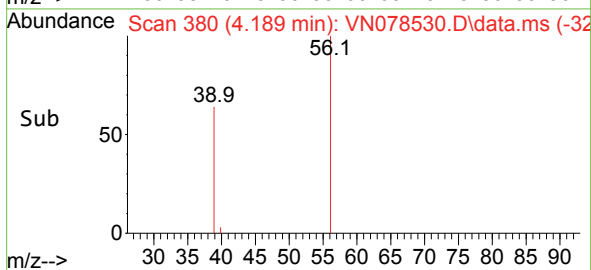
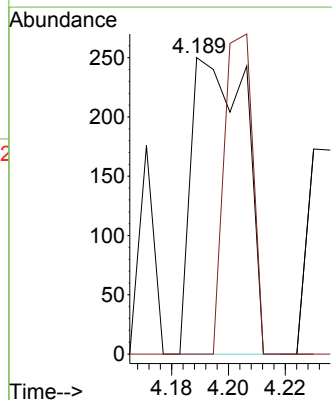
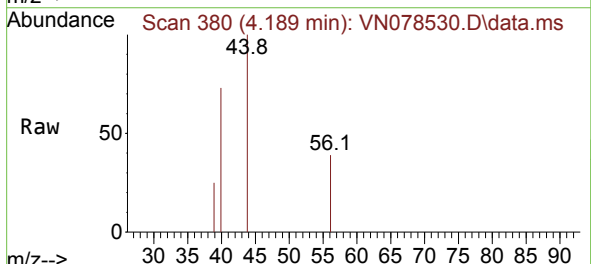
Instrument :
MSVOA_N
ClientSampleId :
A508

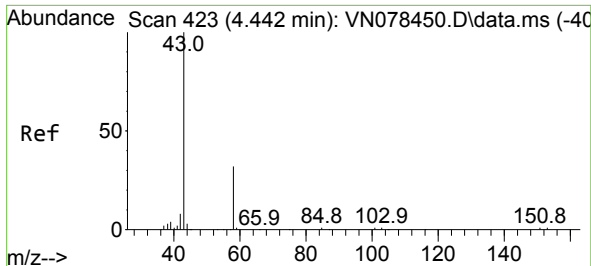
Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.413 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 56 Resp: 331
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

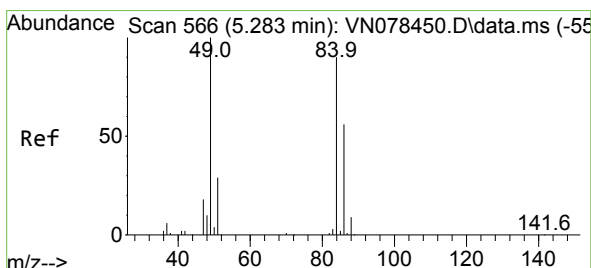
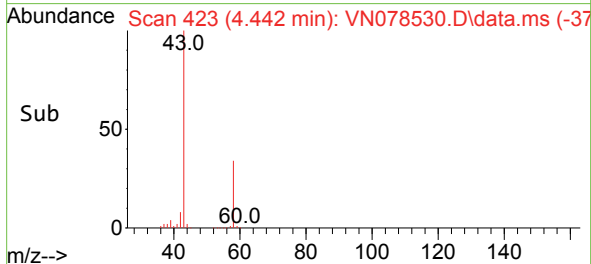
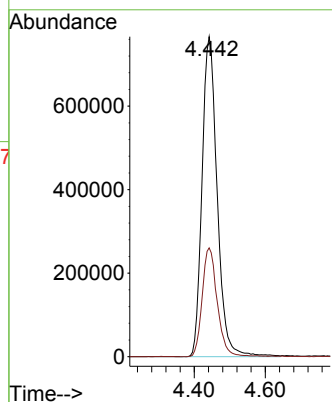
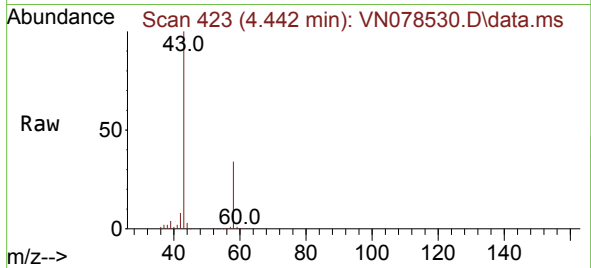




#16
Acetone
Concen: 1380.485 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

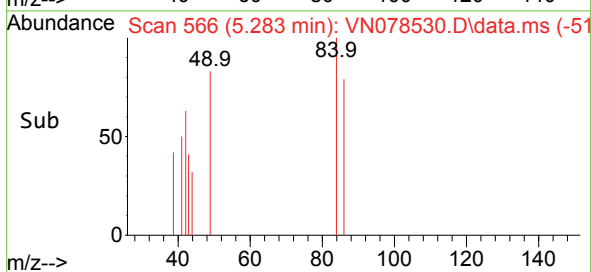
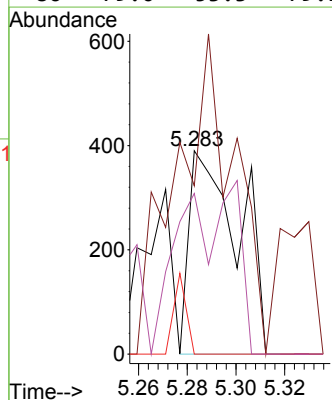
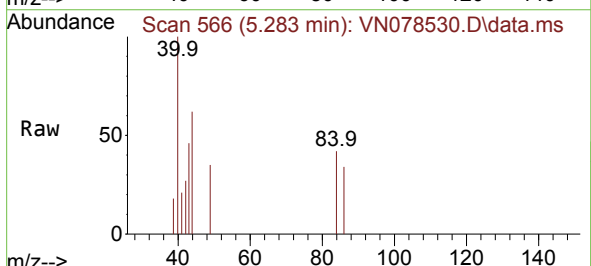
Instrument :
MSVOA_N
ClientSampleId :
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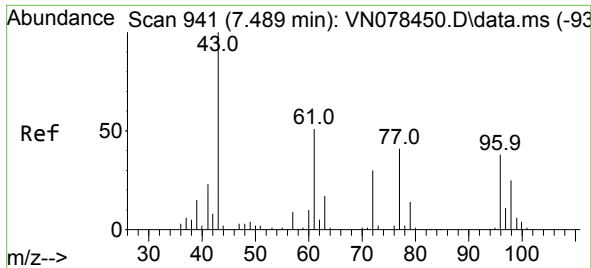
Tgt Ion: 43 Resp: 2274338
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 84 Resp: 552
Ion Ratio Lower Upper
84 100
49 21.0 79.7 119.5#
51 0.0 25.2 37.8#
86 79.0 53.3 79.9

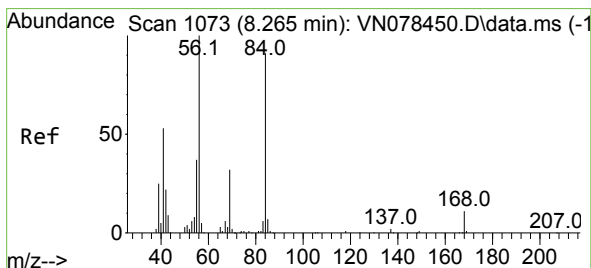
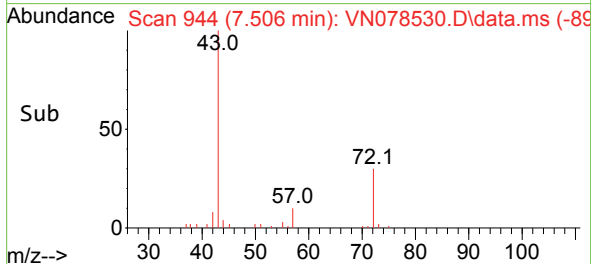
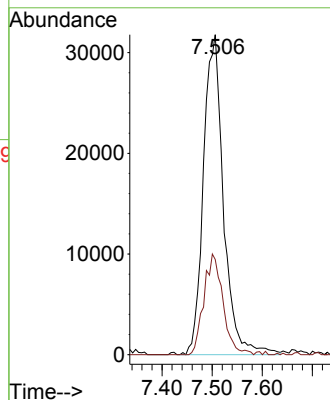
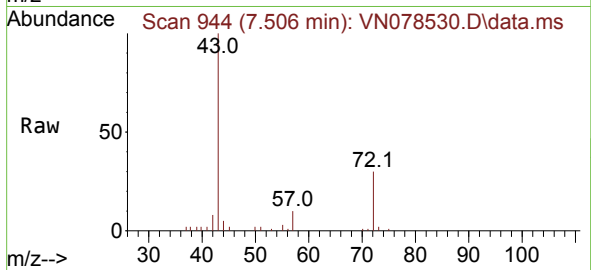




#25
2-Butanone
Concen: 34.008 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

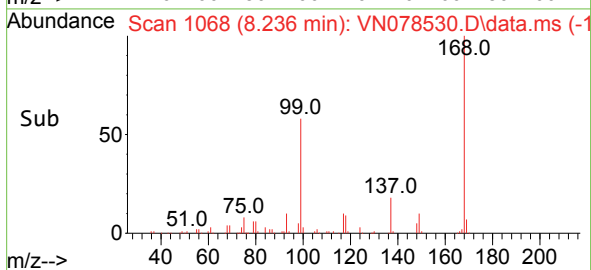
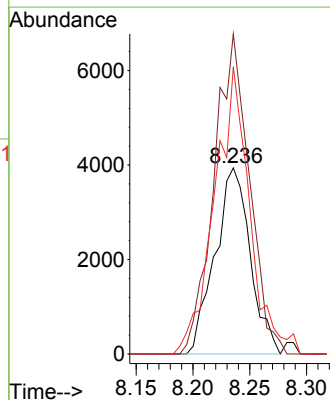
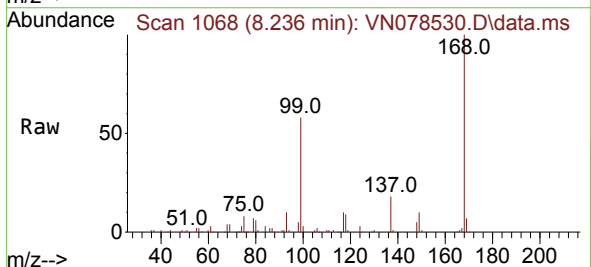
Instrument :
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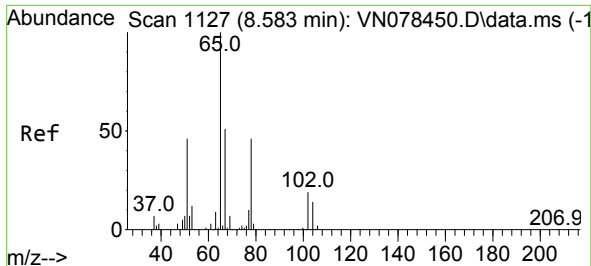
Tgt Ion: 43 Resp: 88196
Ion Ratio Lower Upper
43 100
72 29.8 30.2 45.2#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 56 Resp: 8476
Ion Ratio Lower Upper
56 100
69 172.0 26.8 40.2#
84 150.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.960 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078530.D

Acq: 14 Jul 2023 18:27

Instrument :

MSVOA_N

ClientSampleId :

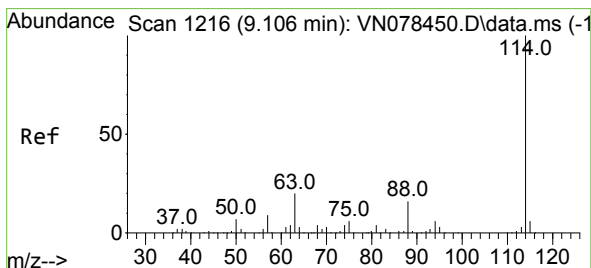
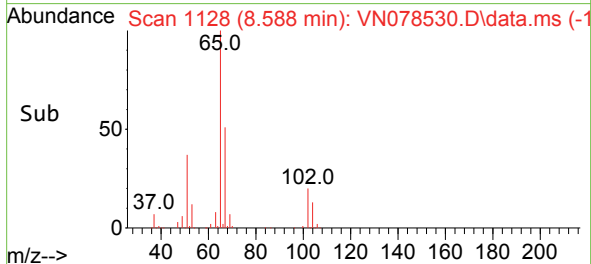
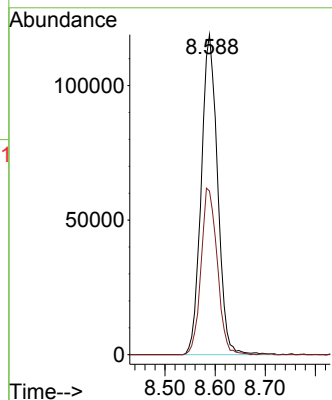
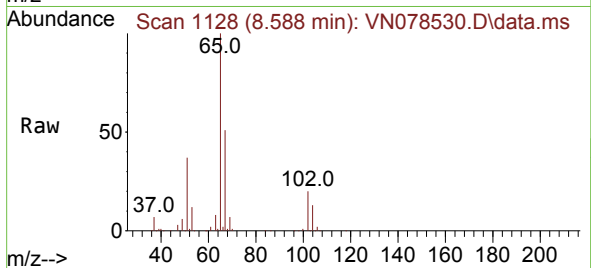
A508

Tgt Ion: 65 Resp: 269520

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078530.D

Acq: 14 Jul 2023 18:27

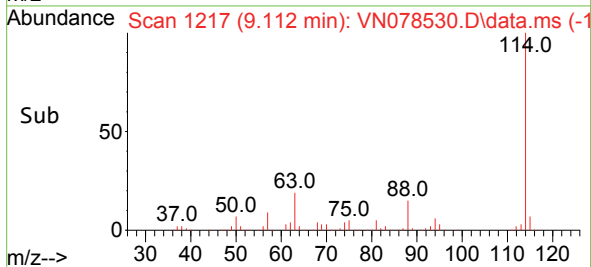
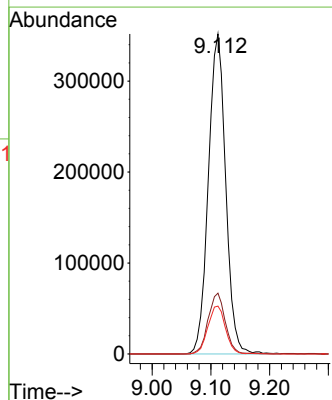
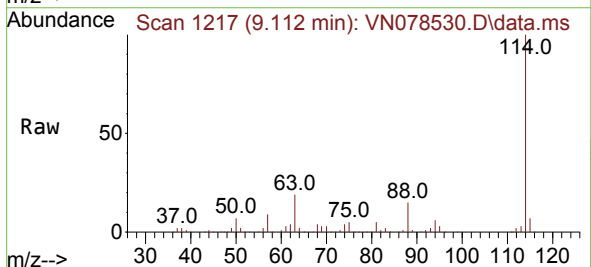
Tgt Ion: 114 Resp: 720838

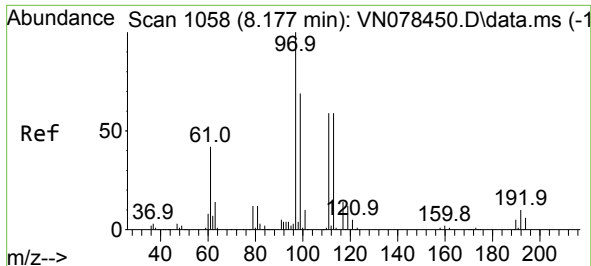
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 14.9 0.0 30.6

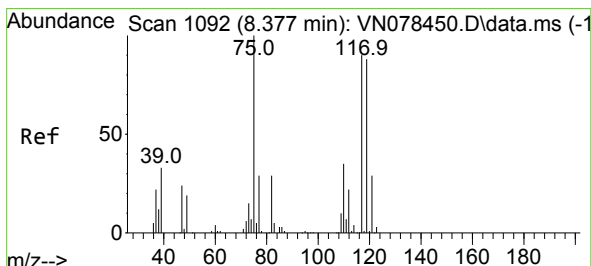
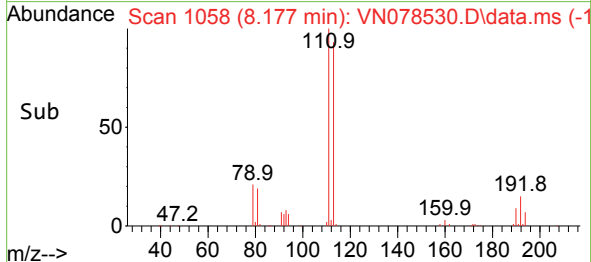
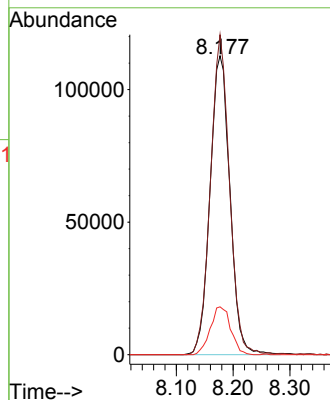
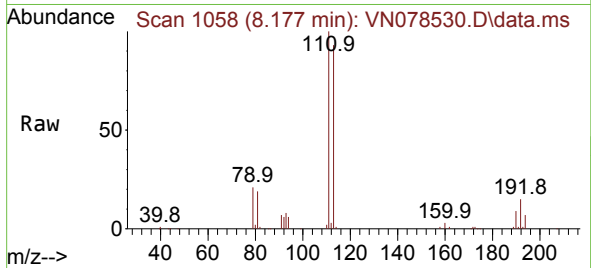




#35
Dibromofluoromethane
Concen: 56.001 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

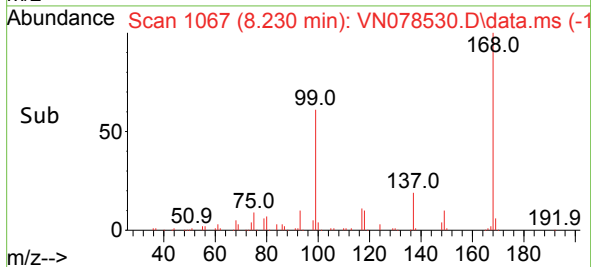
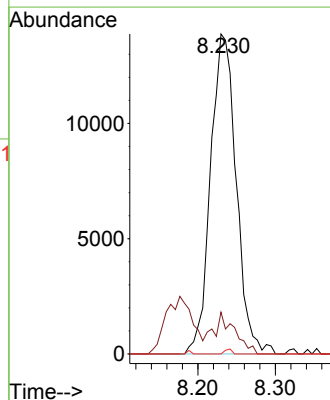
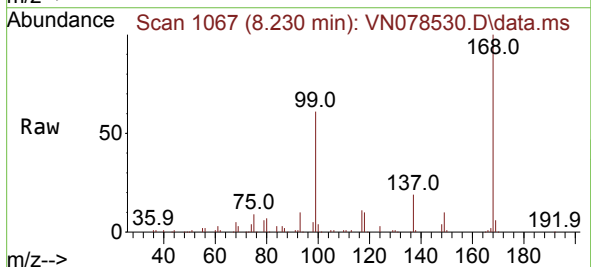
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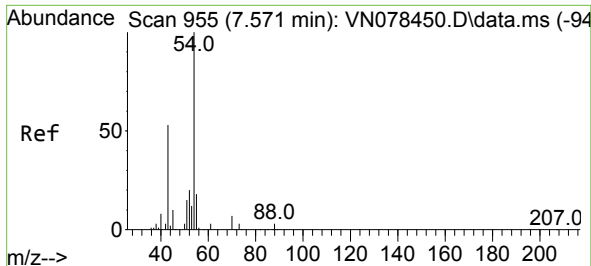
Tgt Ion:113 Resp: 274028
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 75 Resp: 31974
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.4 25.0 37.4#





#37

Ethyl Acetate

Concen: 14.974 ug/l

RT: 7.506 min Scan# 94

Delta R.T. -0.065 min

Lab File: VN078530.D

Acq: 14 Jul 2023 18:27

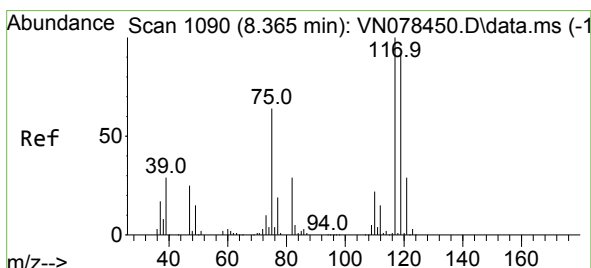
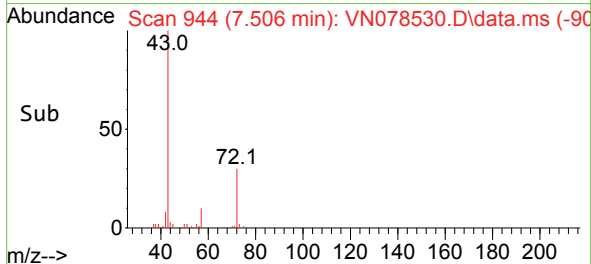
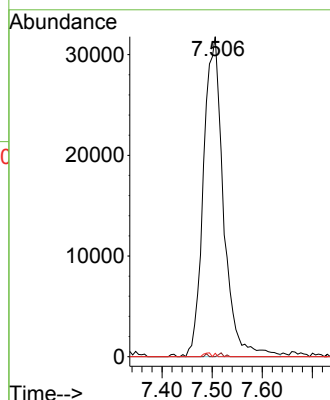
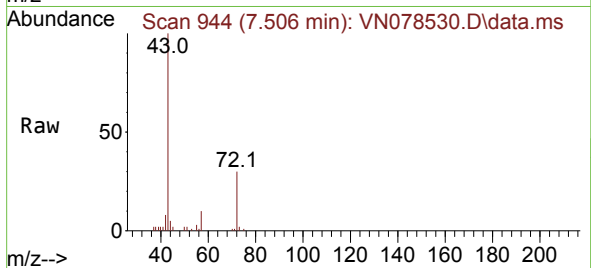
Instrument :

MSVOA_N

ClientSampleId :

A508

Tgt Ion:	43	Resp:	88196
Ion	Ratio	Lower	Upper
43	100		
61	0.3	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.343 ug/l

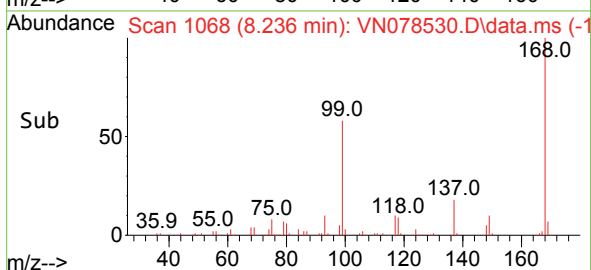
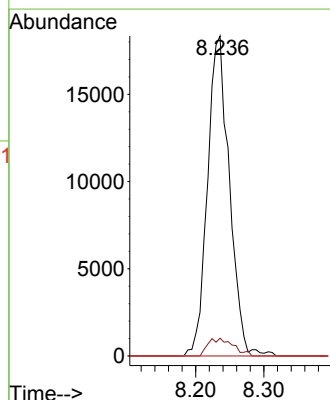
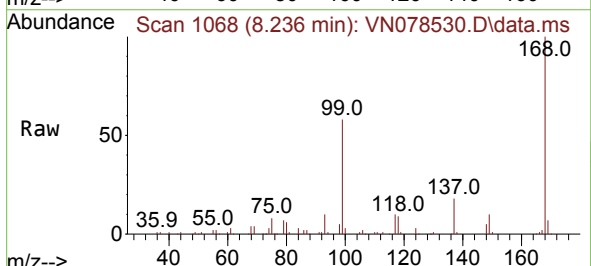
RT: 8.236 min Scan# 1068

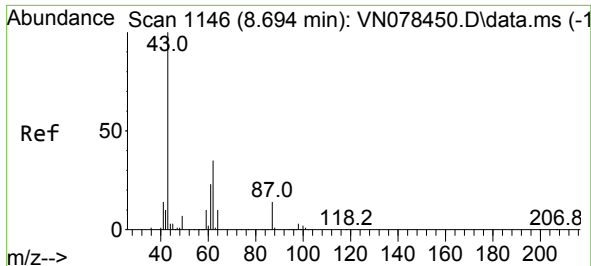
Delta R.T. -0.129 min

Lab File: VN078530.D

Acq: 14 Jul 2023 18:27

Tgt Ion:	117	Resp:	41028
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.3	115.9#
121	0.0	23.3	34.9#

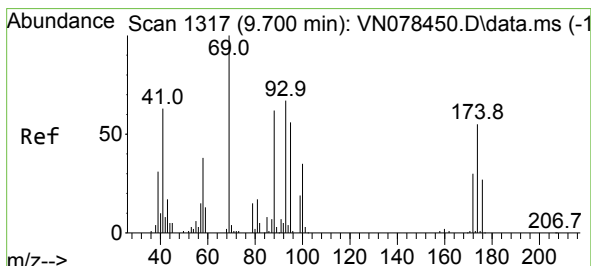
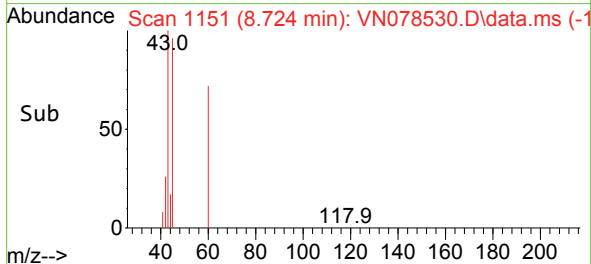
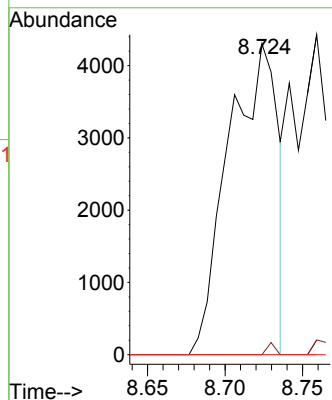
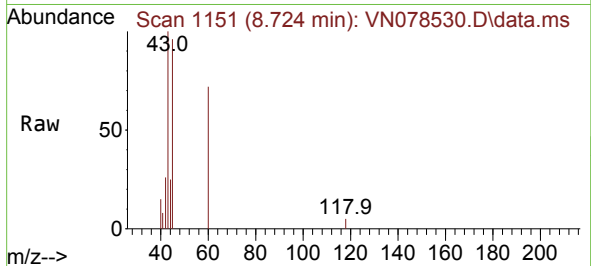




#43
Isopropyl Acetate
Concen: 0.981 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

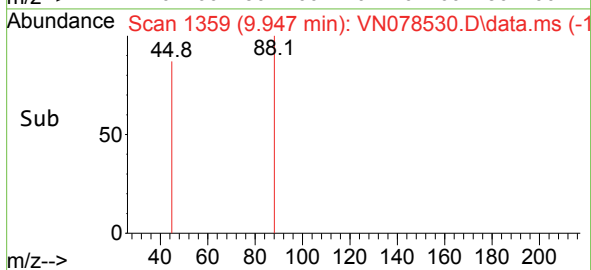
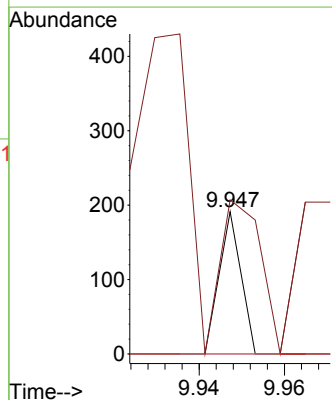
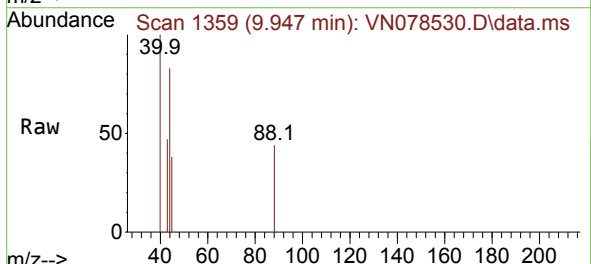
Instrument :
MSVOA_N
ClientSampleId :
A508

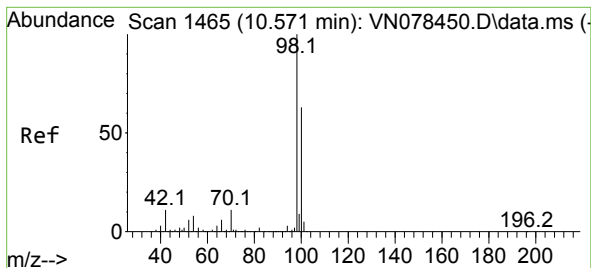
Tgt Ion: 43 Resp: 9513
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#49
1,4-Dioxane
Concen: 0.684 ug/l
RT: 9.947 min Scan# 1359
Delta R.T. 0.247 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 783.6 17.0 25.6#
58 0.0 47.0 70.4#

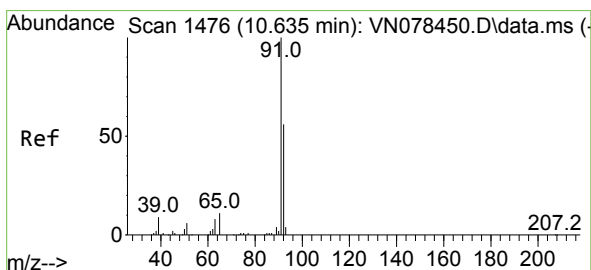
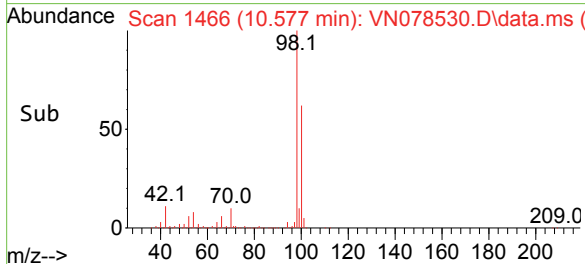
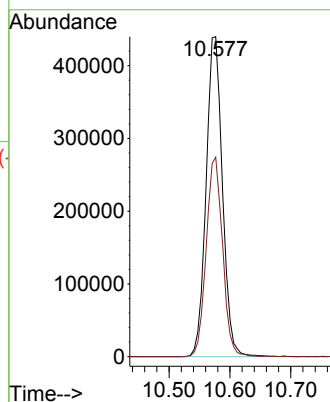
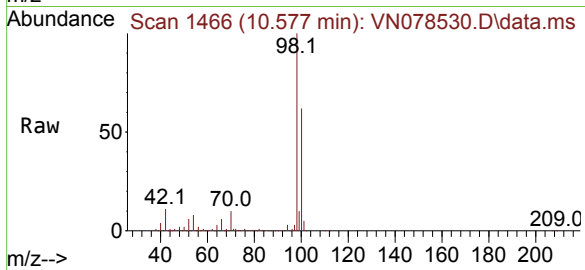




#50
Toluene-d8
Concen: 44.350 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

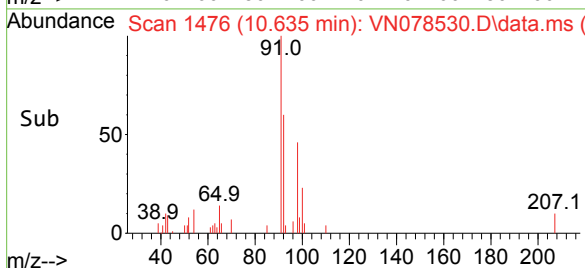
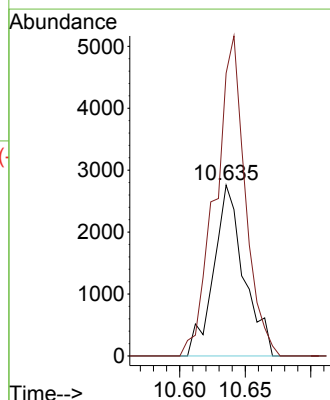
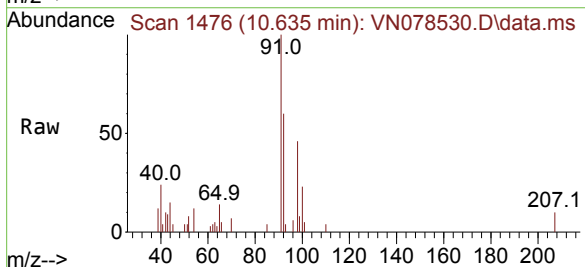
Instrument :
MSVOA_N
ClientSampleId :
A508

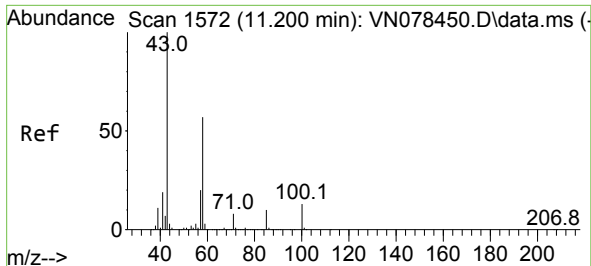
Tgt Ion: 98 Resp: 819820
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#52
Toluene
Concen: 0.340 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 92 Resp: 4413
Ion Ratio Lower Upper
92 100
91 186.2 137.4 206.0

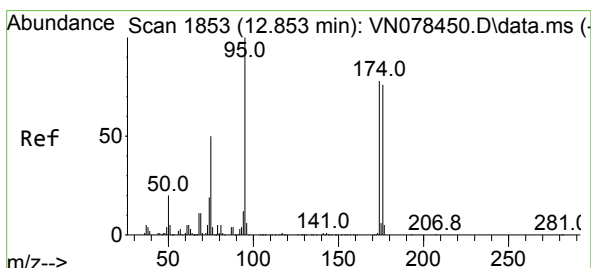
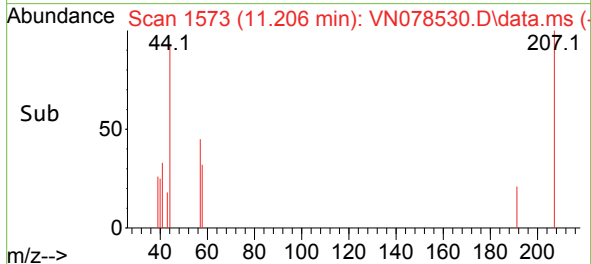
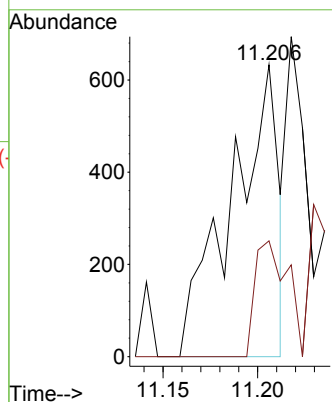
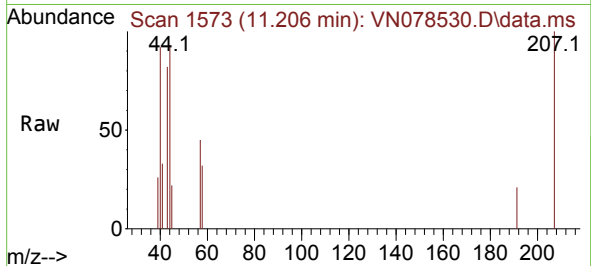




#59
2-Hexanone
Concen: 0.266 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

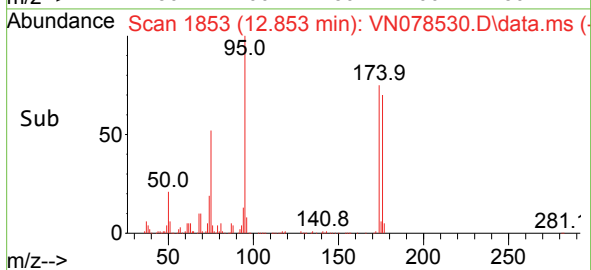
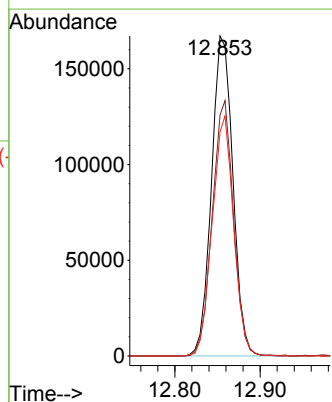
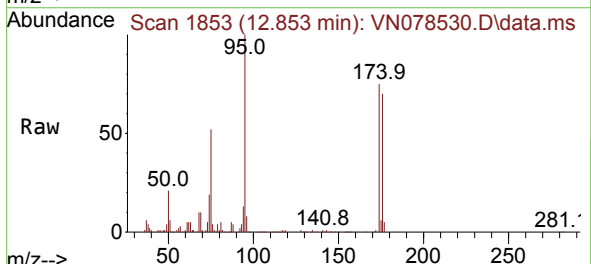
Instrument :
MSVOA_N
ClientSampleId :
A508

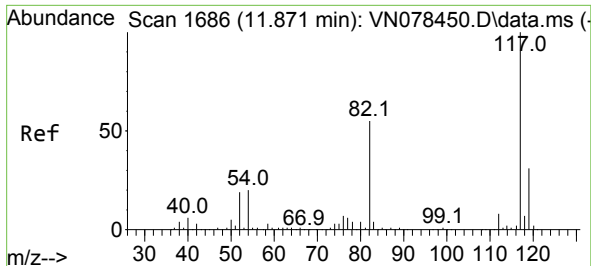
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 27.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.096 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 95 Resp: 290932
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 75.2 0.0 135.8

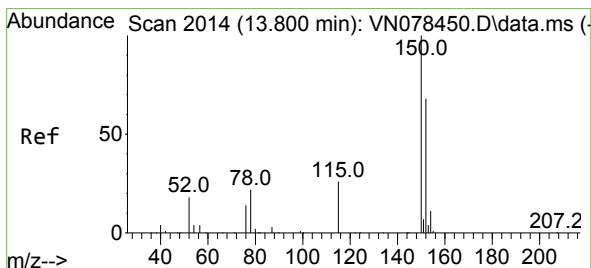
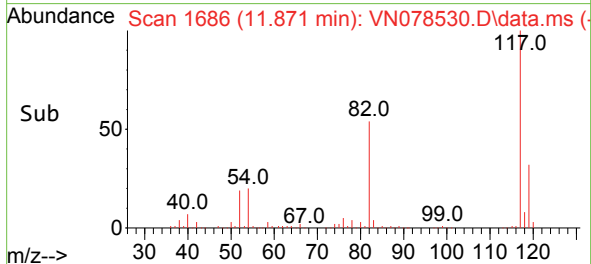
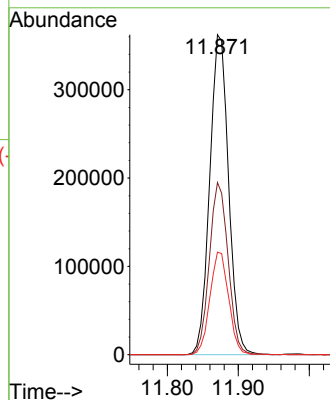
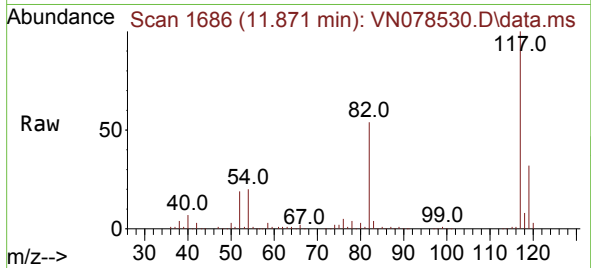




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

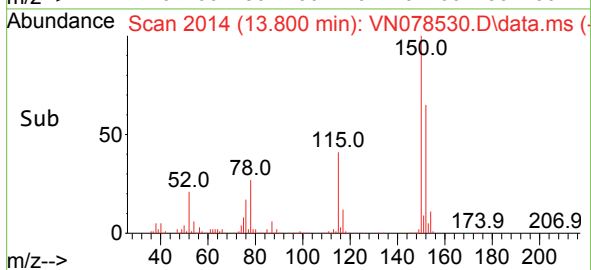
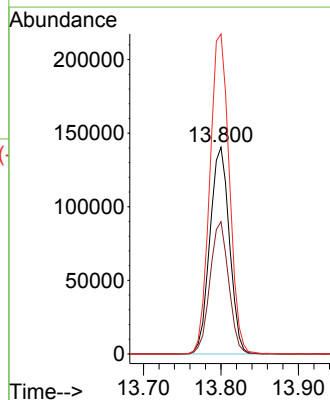
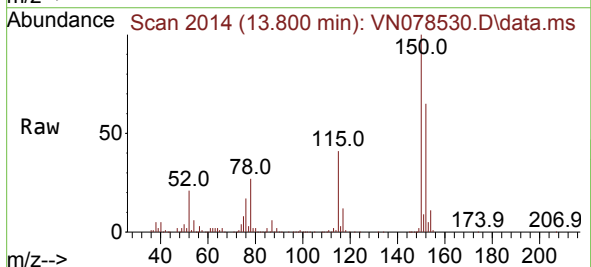
Instrument :
MSVOA_N
ClientSampleId :
A508

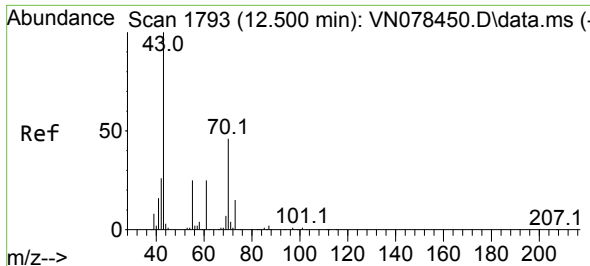
Tgt Ion:117 Resp: 667547
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

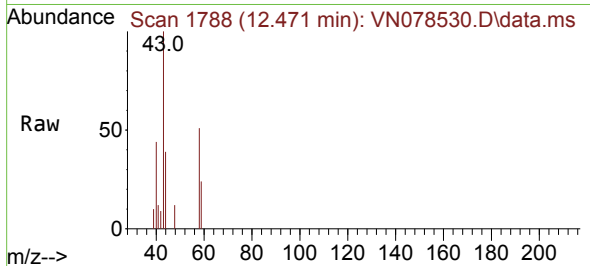
Tgt Ion:152 Resp: 245768
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 155.0 0.0 355.8



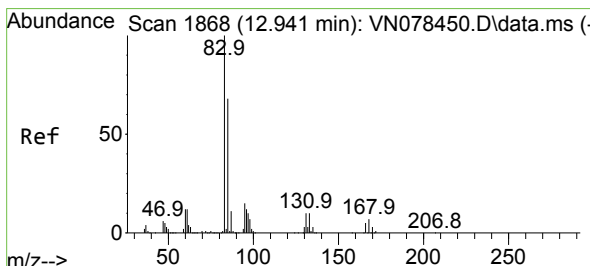
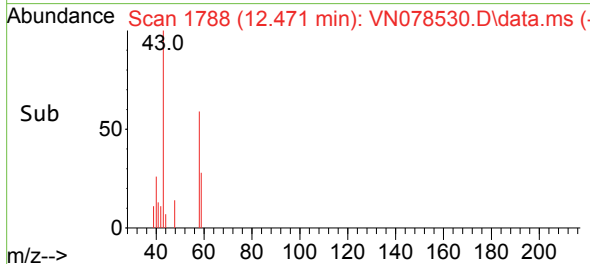
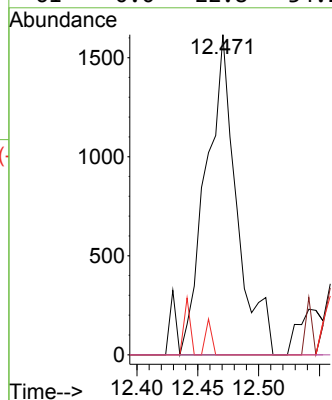


#74
N-amy1 acetate
Concen: 0.356 ug/l
RT: 12.471 min Scan# 1788
Delta R.T. -0.029 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Instrument :
MSVOA_N
ClientSampleId :
A508

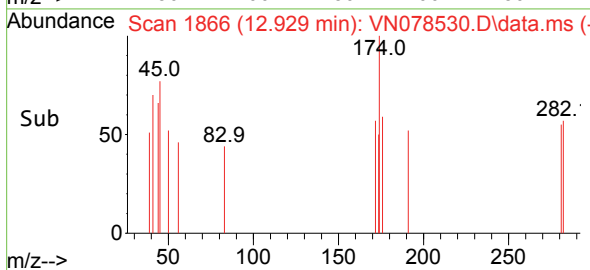
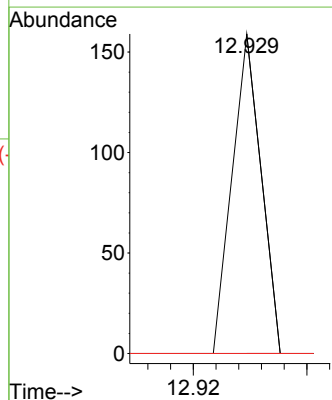
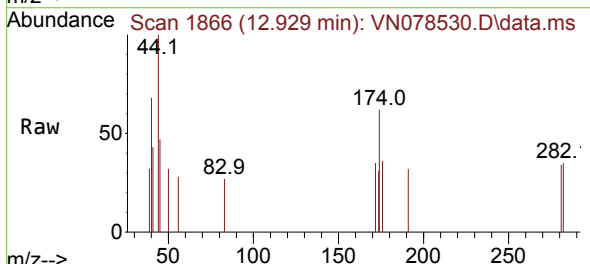


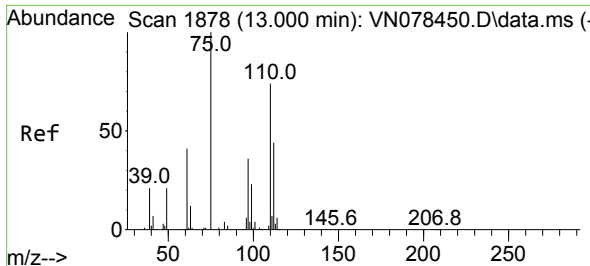
Tgt Ion: 43	Resp: 2831
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 2.3	21.4 32.0#
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion: 83	Resp: 56
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 15.0#
85 0.0	31.9 95.7#

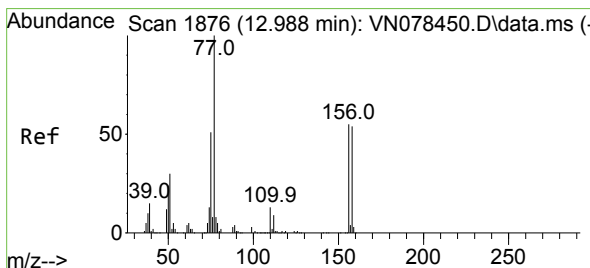
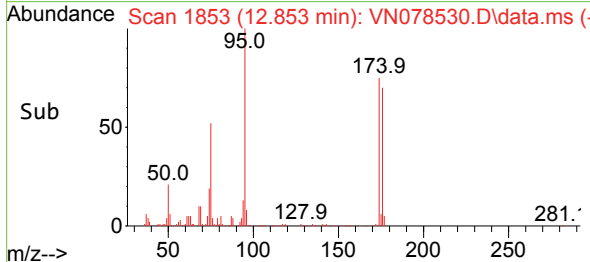
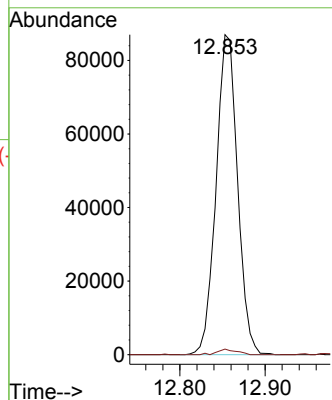
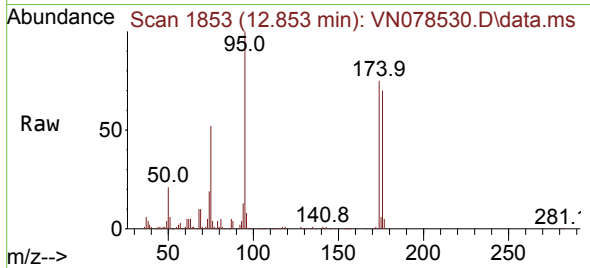




#76
1,2,3-Trichloropropane
Concen: 25.640 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

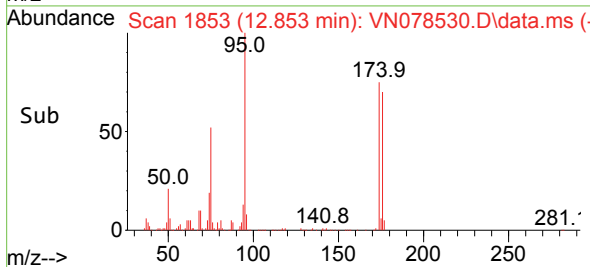
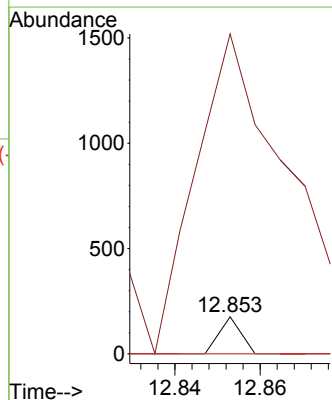
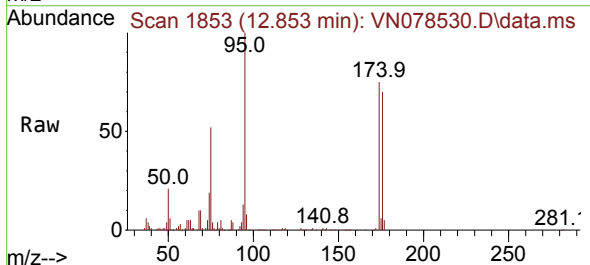
Instrument :
MSVOA_N
ClientSampleId :
A508

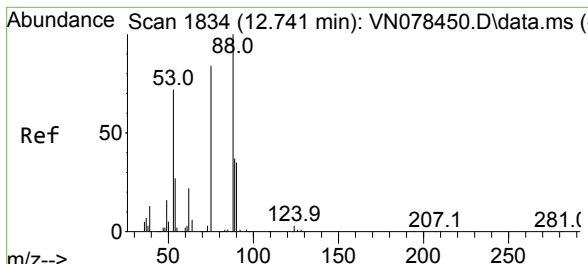
Tgt Ion: 75 Resp: 152312
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VN078530.D
Acq: 14 Jul 2023 18:27

Tgt Ion:156 Resp: 62
Ion Ratio Lower Upper
156 100
77 3853.2 107.7 323.3#
158 0.0 48.4 145.3#

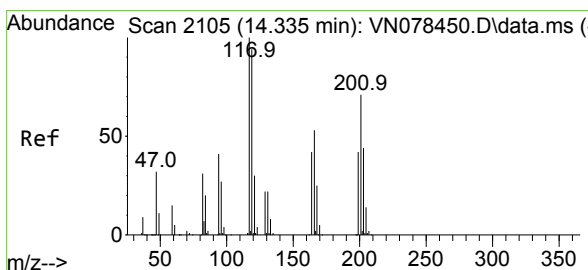
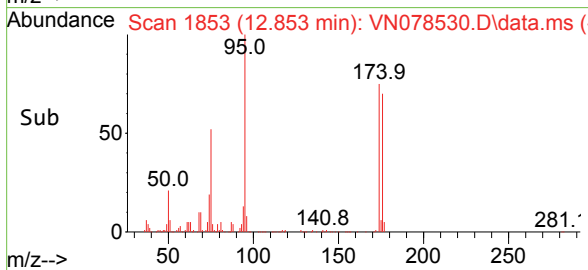
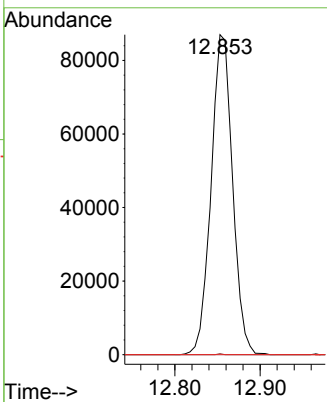
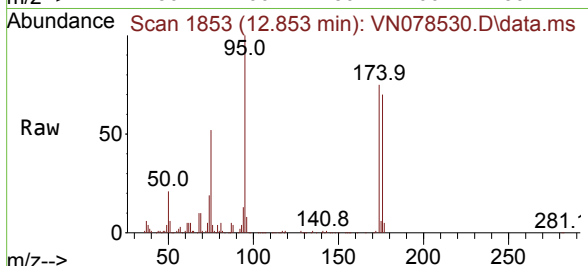




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.376 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078530.D
 Acq: 14 Jul 2023 18:27

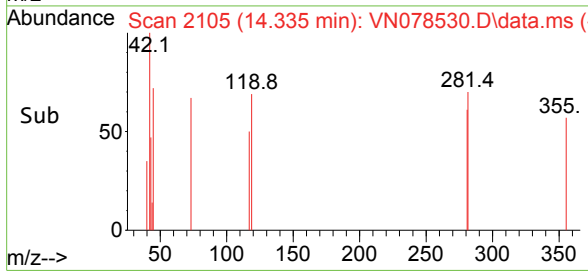
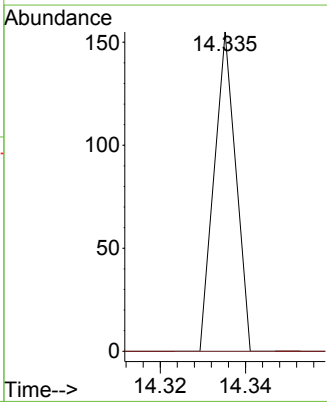
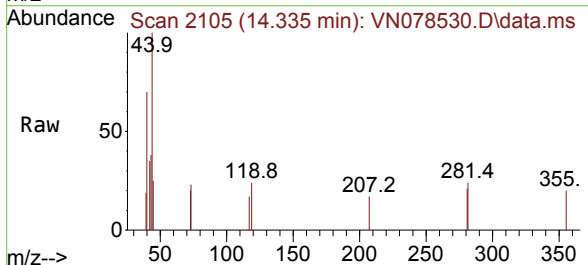
Instrument :
 MSVOA_N
 ClientSampleId :
 A508

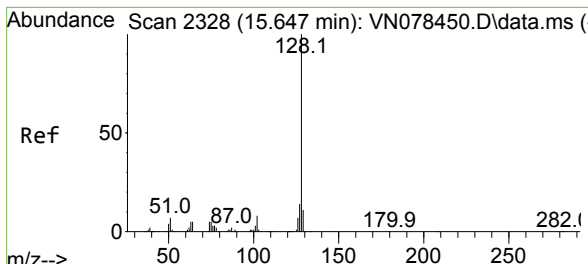
Tgt Ion:	75	Resp:	152312
Ion Ratio	Lower	Upper	
75	100		
53	0.1	67.4	101.2#
89	0.0	38.8	58.2#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.335 min Scan# 2105
 Delta R.T. 0.000 min
 Lab File: VN078530.D
 Acq: 14 Jul 2023 18:27

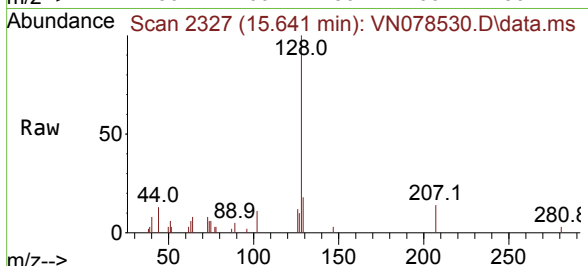
Tgt Ion:	117	Resp:	55
Ion Ratio	Lower	Upper	
117	100		
201	0.0	29.3	88.0#





#95
 Naphthalene
 Concen: 1.203 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078530.D
 Acq: 14 Jul 2023 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 A508



Tgt Ion:	128	Resp:	11579
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	11.6	8.7	13.1

