

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078151.D
 Acq On : 09 Jun 2023 17:22
 Operator : JC\MD
 Sample : 03119-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 23:12:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	438224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	799372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	699420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	217702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307044	52.550	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.100%
35) Dibromofluoromethane	8.171	113	268783	53.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.360%
50) Toluene-d8	10.571	98	962809	49.413	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.853	95	289043	47.717	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	2389	0.482	ug/l	92
3) Chloromethane	2.377	50	2736	Below Cal		92
4) Vinyl Chloride	2.518	62	2676	0.413	ug/l #	17
5) Bromomethane	2.971	94	3884	0.792	ug/l	95
6) Chloroethane	3.124	64	2558	0.578	ug/l #	75
7) Trichlorofluoromethane	3.500	101	3403	0.387	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	4.377	101	1183	0.255	ug/l #	55
12) 1,1-Dichloroethene	4.353	96	1117	0.233	ug/l #	52
13) Acrolein	4.206	56	412	0.463	ug/l	97
16) Acetone	4.465	43	3354	1.994	ug/l	92
17) Carbon Disulfide	4.724	76	6877	0.558	ug/l #	91
18) Methyl Acetate	5.047	43	9203	1.189	ug/l #	78
19) Methyl tert-butyl Ether	5.800	73	3725	0.244	ug/l #	81
20) Methylene Chloride	5.277	84	2027	0.365	ug/l #	52
24) 1,1-Dichloroethane	6.583	63	1889	0.208	ug/l #	81
25) 2-Butanone	7.500	43	1032	0.399	ug/l #	69
27) cis-1,2-Dichloroethene	7.494	96	1585	0.257	ug/l #	22
28) Bromochloromethane	7.818	49	1495	0.359	ug/l #	88
30) Chloroform	7.971	83	3925	0.402	ug/l	99
31) Cyclohexane	8.224	56	13308	1.776	ug/l #	45
32) 1,1,1-Trichloroethane	8.177	97	2371	0.277	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	37073	5.114	ug/l #	49
38) Carbon Tetrachloride	8.371	117	2944	0.385	ug/l #	93
39) Methylcyclohexane	9.612	83	2284	0.304	ug/l #	85
40) Benzene	8.618	78	6869	0.317	ug/l #	88
42) 1,2-Dichloroethane	8.677	62	3406	0.459	ug/l #	73
43) Isopropyl Acetate	8.777	43	4342	0.401	ug/l #	49
44) Trichloroethene	9.353	130	2166	0.379	ug/l	79
45) 1,2-Dichloropropane	9.630	63	1784	0.331	ug/l #	89
47) Bromodichloromethane	9.894	83	2226	0.302	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	3456	0.606	ug/l	91
52) Toluene	10.635	92	4474	0.327	ug/l	83
53) t-1,3-Dichloropropene	10.847	75	2553	0.333	ug/l #	77
54) cis-1,3-Dichloropropene	10.318	75	2438	0.287	ug/l #	78
55) 1,1,2-Trichloroethane	11.024	97	1795	0.347	ug/l #	86
59) 2-Hexanone	11.206	43	3984	1.003	ug/l	87

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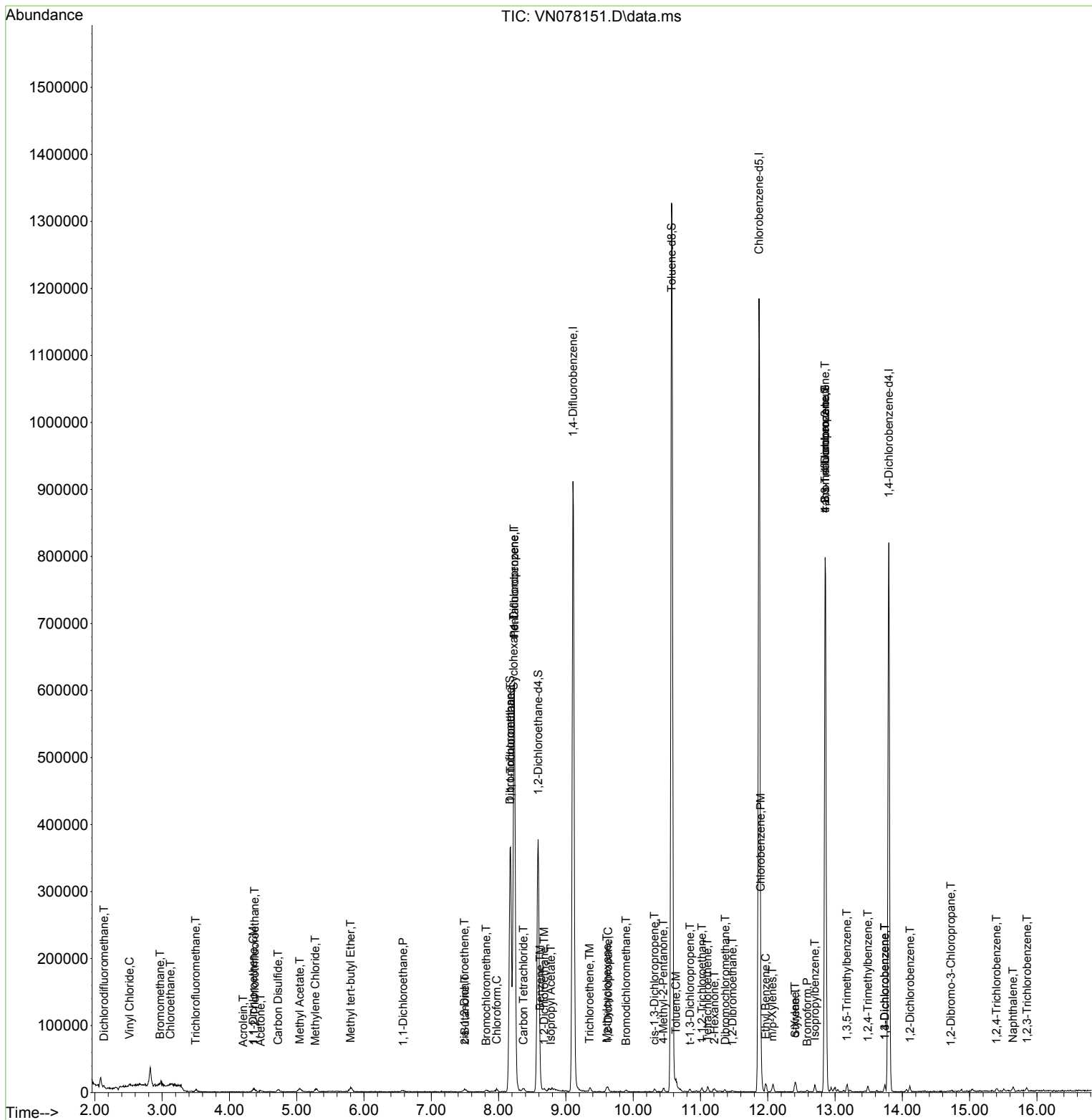
Quant Time: Jun 09 23:12:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
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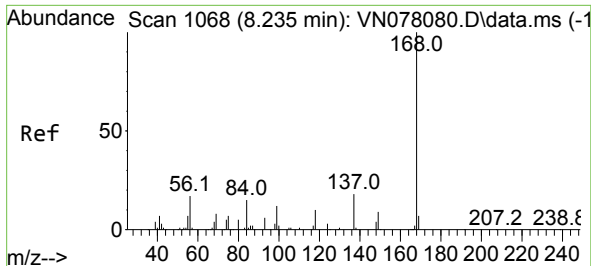
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)

60) Dibromochloromethane	11.371	129	1726	0.305 ug/l	98
61) 1,2-Dibromoethane	11.476	107	1340	0.247 ug/l #	61
64) Tetrachloroethene	11.106	164	1293	0.277 ug/l #	63
65) Chlorobenzene	11.894	112	5343	0.357 ug/l #	82
67) Ethyl Benzene	11.971	91	8644	0.334 ug/l	92
68) m/p-Xylenes	12.071	106	4421	0.449 ug/l	81
69) o-Xylene	12.406	106	2830	0.293 ug/l	81
70) Styrene	12.412	104	4154	0.273 ug/l #	84
71) Bromoform	12.588	173	1015	0.285 ug/l #	28
73) Isopropylbenzene	12.700	105	6673	0.324 ug/l	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	2358	Below Cal	80
76) 1,2,3-Trichloropropane	12.853	75	156868	30.480 ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	5019	0.301 ug/l	86
81) trans-1,4-Dichloro-2-b...	12.853	75	156868	93.645 ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	5169	0.320 ug/l	100
87) 1,3-Dichlorobenzene	13.741	146	3183	0.394 ug/l	94
88) 1,4-Dichlorobenzene	13.741	146	3183	0.408 ug/l	94
91) 1,2-Dichlorobenzene	14.117	146	2949	0.373 ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.723	75	301	0.295 ug/l #	43
93) 1,2,4-Trichlorobenzene	15.400	180	1781	0.633 ug/l #	87
94) Hexachlorobutadiene	15.506	225	850	Below Cal	86
95) Naphthalene	15.647	128	5989	0.633 ug/l	98
96) 1,2,3-Trichlorobenzene	15.853	180	1891	0.601 ug/l	87

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

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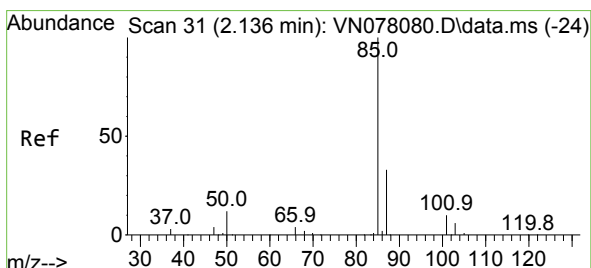
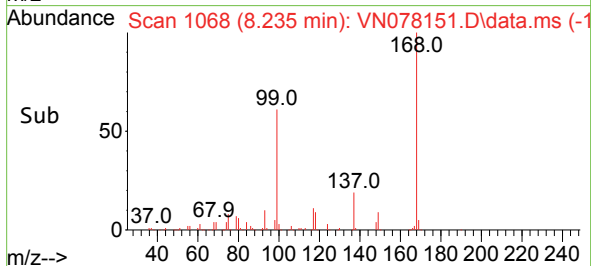
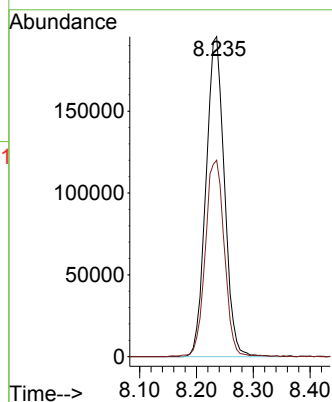
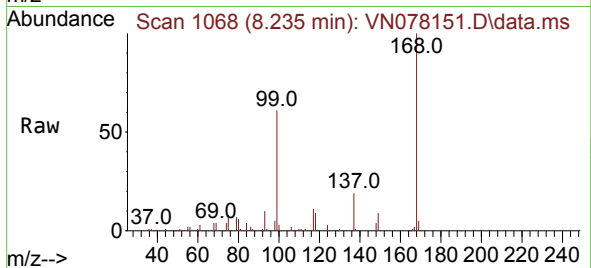




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

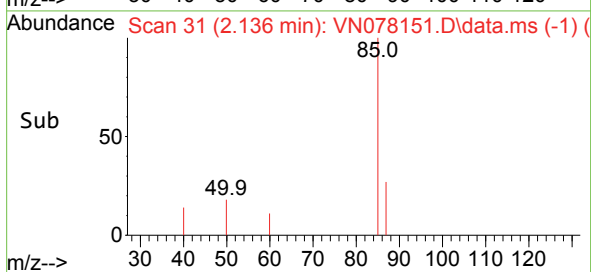
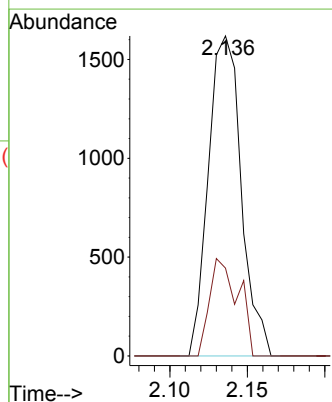
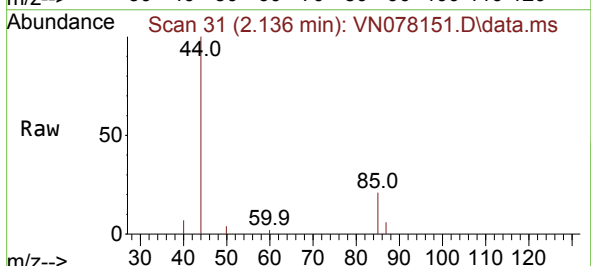
Instrument :
MSVOA_N
ClientSampleId :

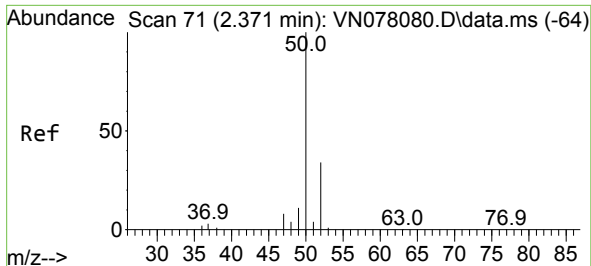
Tgt Ion:168 Resp: 438224
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.482 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 85 Resp: 2389
Ion Ratio Lower Upper
85 100
87 27.4 15.8 47.4

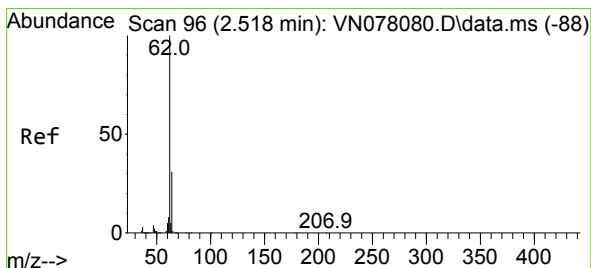
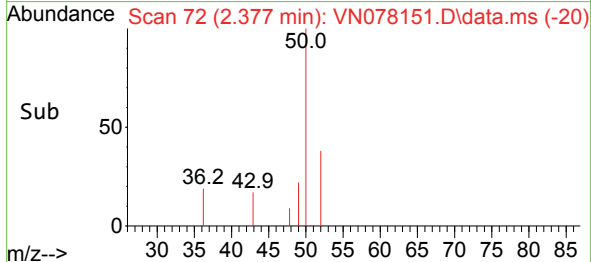
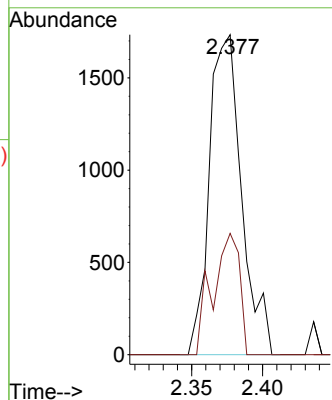
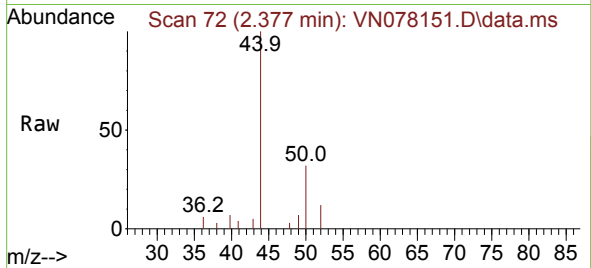




#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

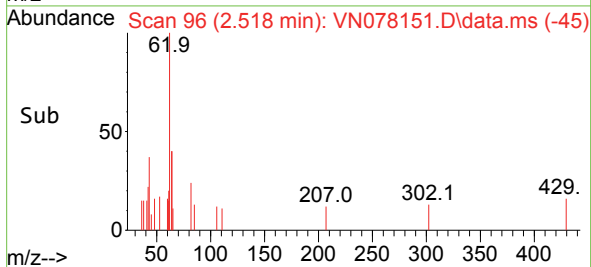
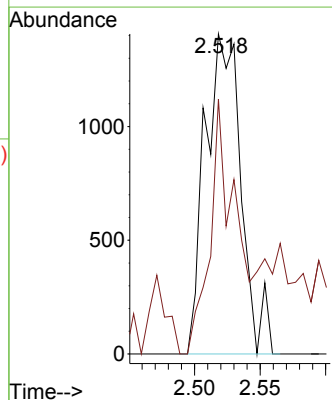
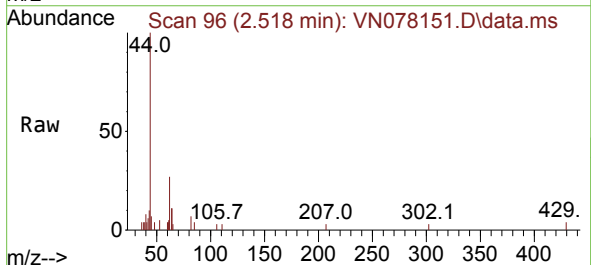
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ClientSampleId :

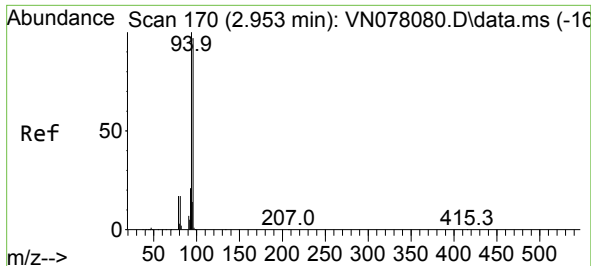
Tgt Ion: 50 Resp: 2736
Ion Ratio Lower Upper
50 100
52 37.9 26.5 39.7



#4
Vinyl Chloride
Concen: 0.413 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 62 Resp: 2676
Ion Ratio Lower Upper
62 100
64 79.7 26.2 39.2#

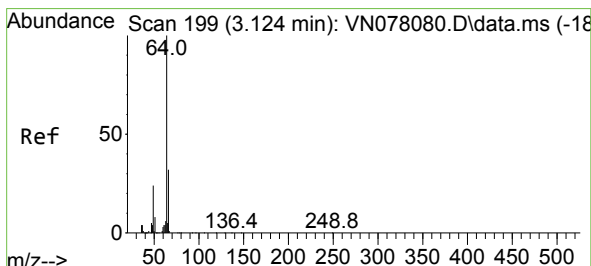
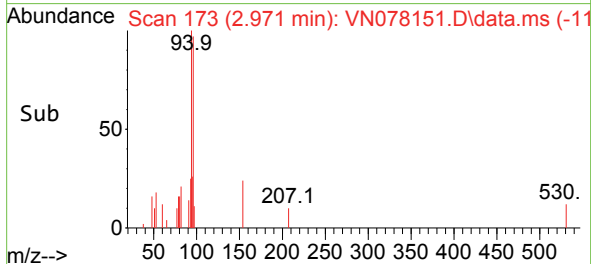
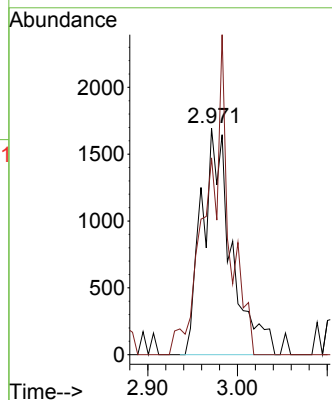
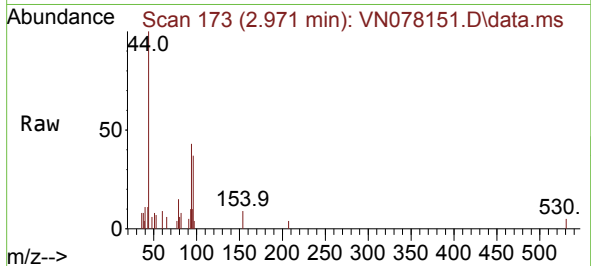




#5
Bromomethane
Concen: 0.792 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

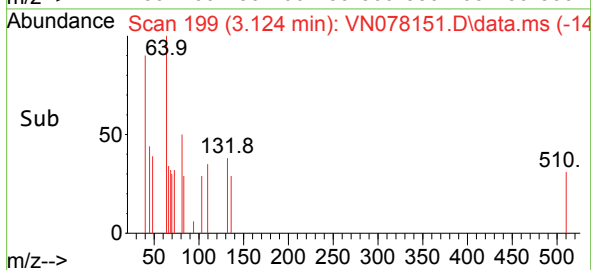
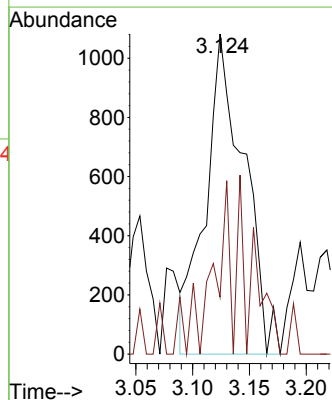
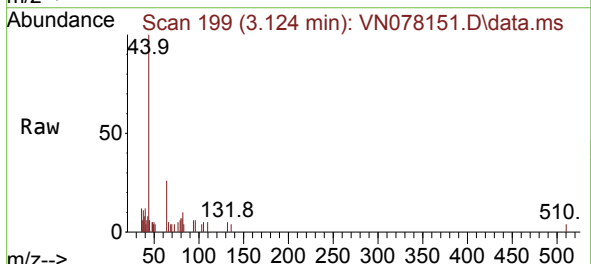
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MSVOA_N
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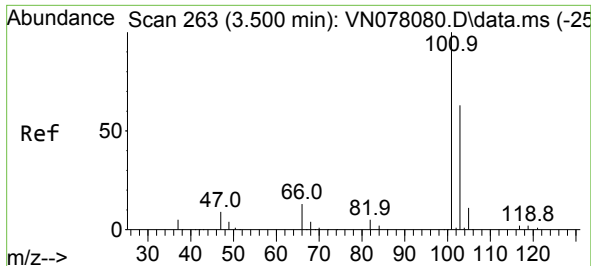
Tgt Ion: 94 Resp: 3884
Ion Ratio Lower Upper
94 100
96 86.8 73.1 109.7



#6
Chloroethane
Concen: 0.578 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

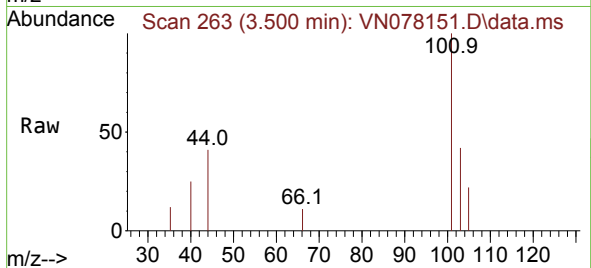
Tgt Ion: 64 Resp: 2558
Ion Ratio Lower Upper
64 100
66 17.8 25.4 38.2#



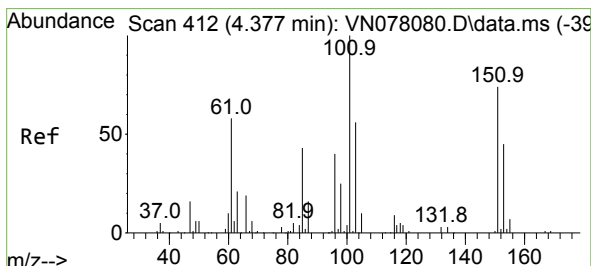
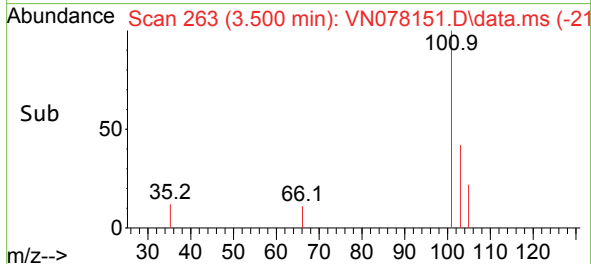
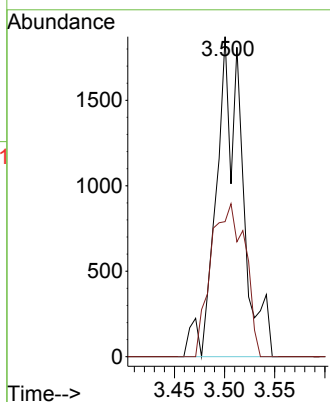


#7
 Trichlorofluoromethane
 Concen: 0.387 ug/l
 RT: 3.500 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Instrument :
 MSVOA_N
 ClientSampleId :

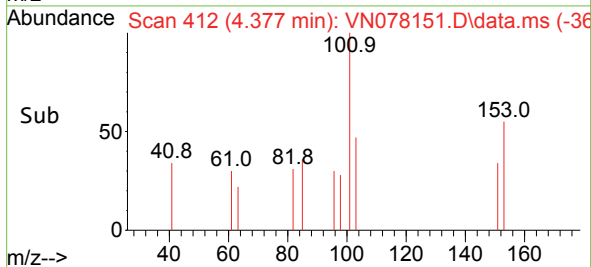
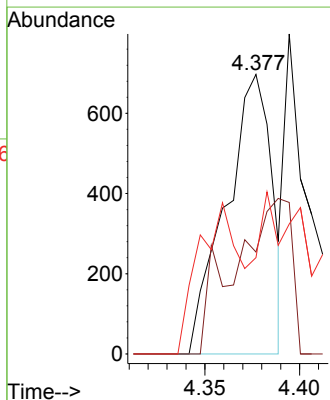
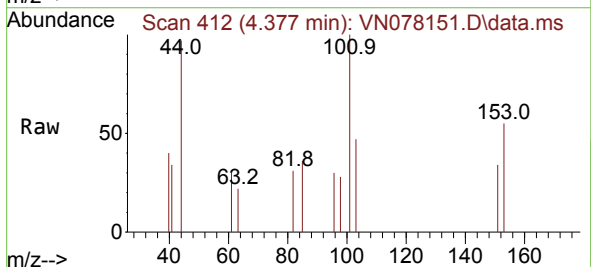


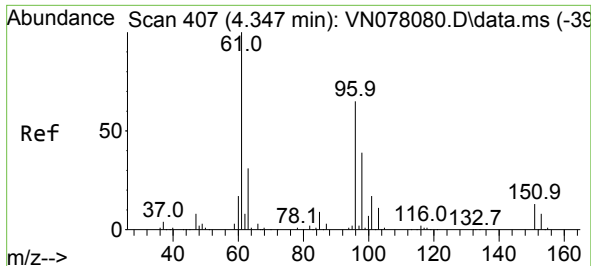
Tgt Ion:101 Resp: 3403
 Ion Ratio Lower Upper
 101 100
 103 42.2 50.7 76.1#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.255 ug/l
 RT: 4.377 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Tgt Ion:101 Resp: 1183
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.6 55.0#
 151 47.3 57.6 86.4#

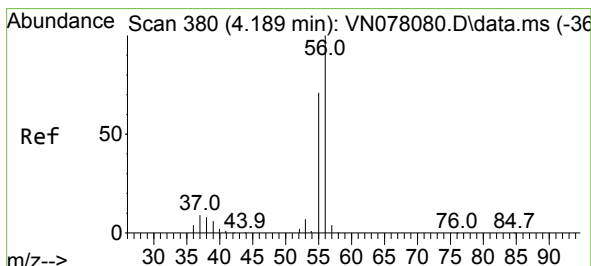
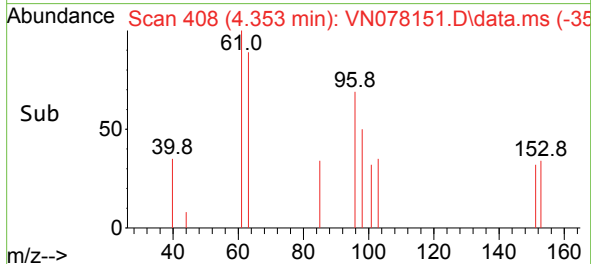
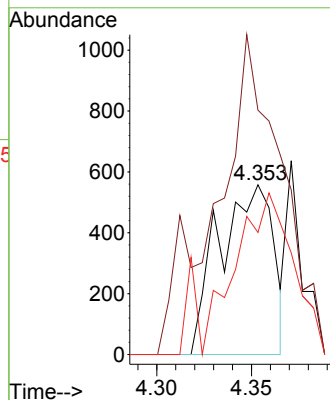
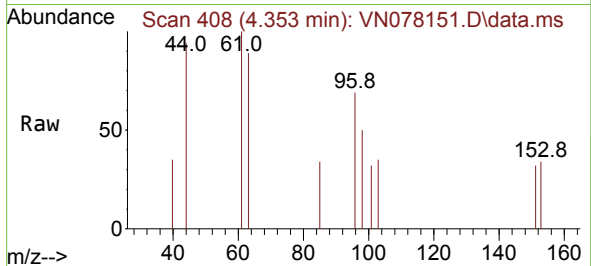




#12
1,1-Dichloroethene
Concen: 0.233 ug/l
RT: 4.353 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN078151.D
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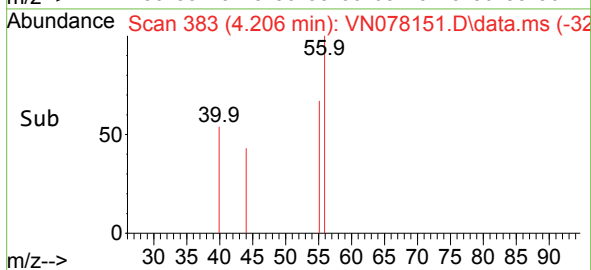
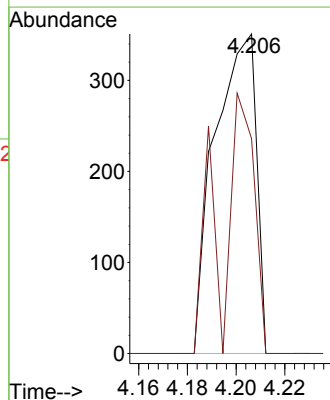
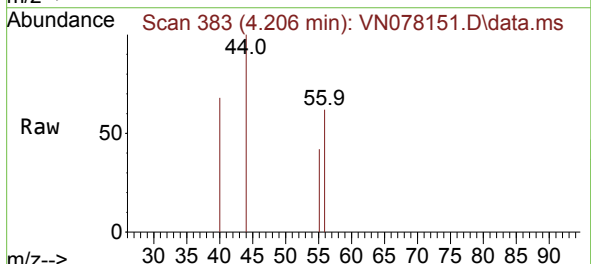
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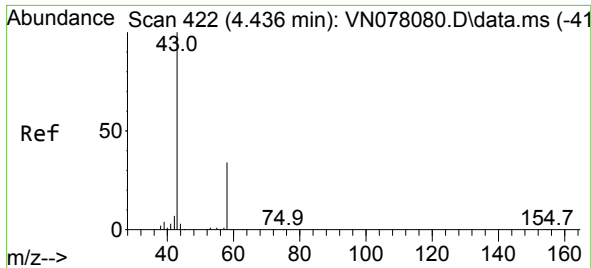
Tgt Ion: 96 Resp: 1117
Ion Ratio Lower Upper
96 100
61 62.0 112.7 169.1#
98 71.9 51.2 76.8



#13
Acrolein
Concen: 0.463 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 66.0 54.5 81.7

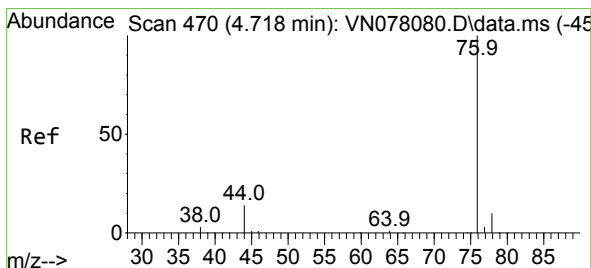
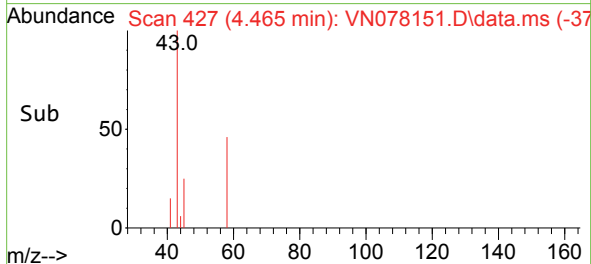
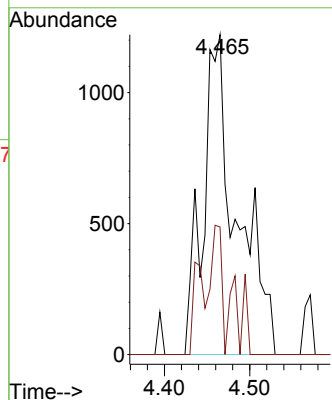
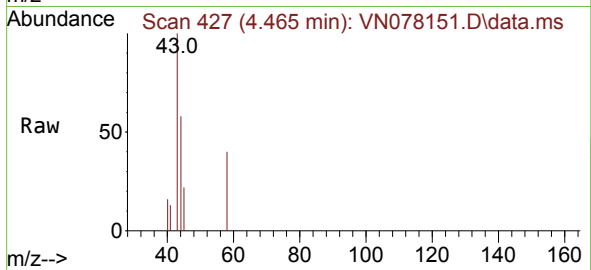




#16
Acetone
Concen: 1.994 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

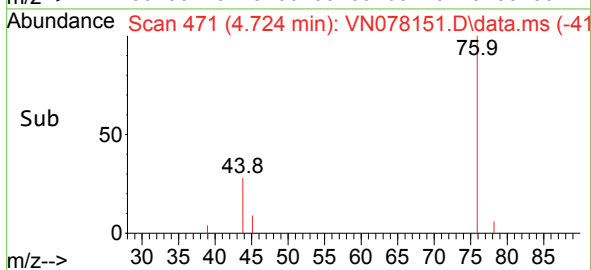
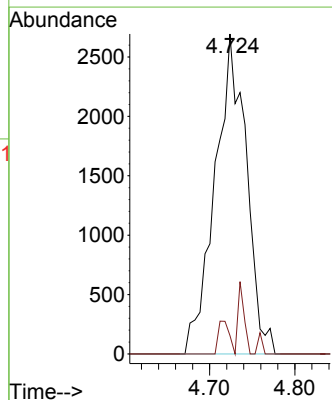
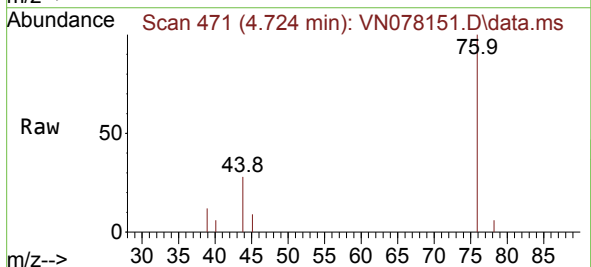
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MSVOA_N
ClientSampleId :

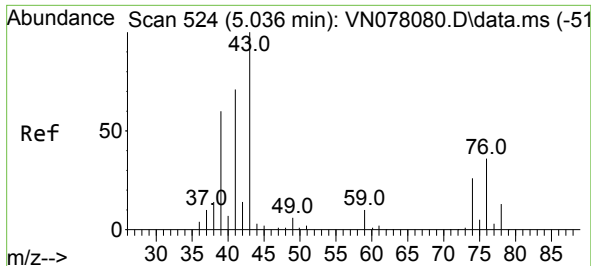
Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
58 39.9 28.0 42.0



#17
Carbon Disulfide
Concen: 0.558 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 76 Resp: 6877
Ion Ratio Lower Upper
76 100
78 5.8 7.4 11.0#

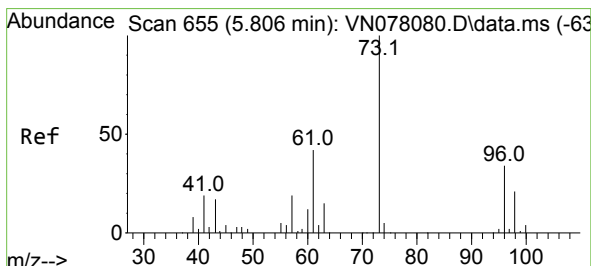
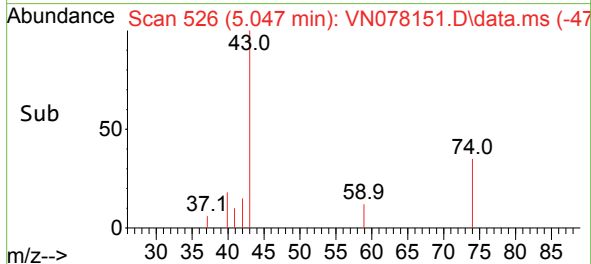
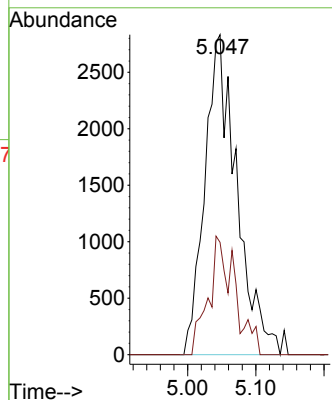
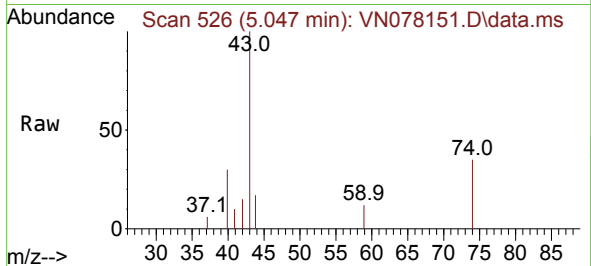




#18
Methyl Acetate
Concen: 1.189 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

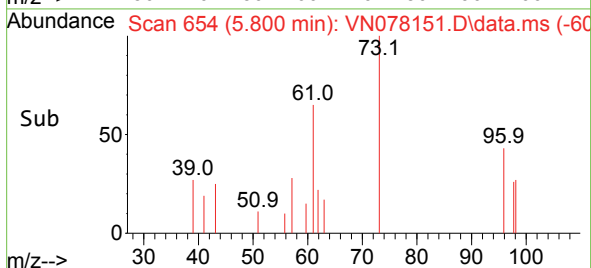
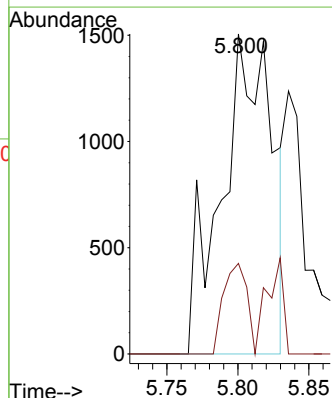
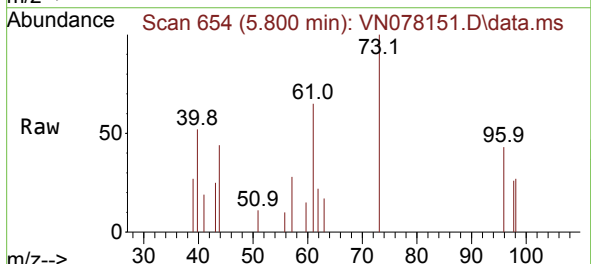
Instrument :
MSVOA_N
ClientSampleId :

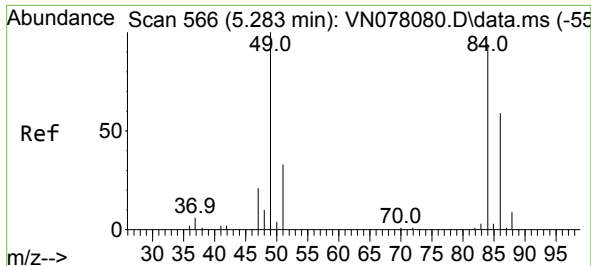
Tgt Ion: 43 Resp: 9203
Ion Ratio Lower Upper
43 100
74 20.2 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 0.244 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

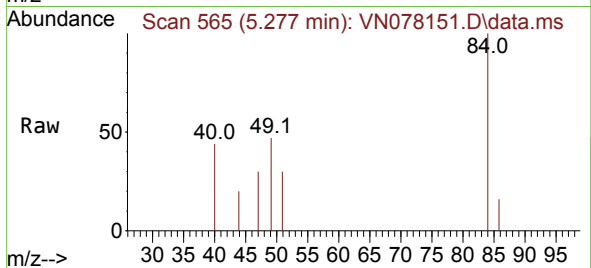
Tgt Ion: 73 Resp: 3725
Ion Ratio Lower Upper
73 100
57 28.3 15.6 23.4#



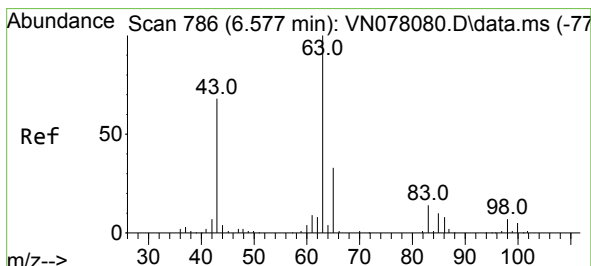
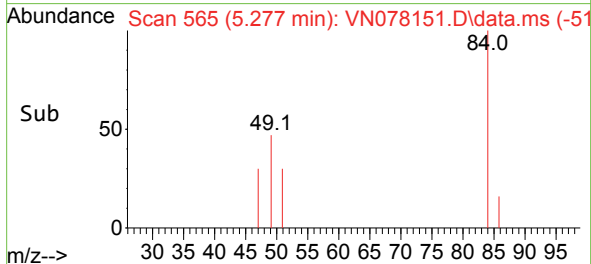
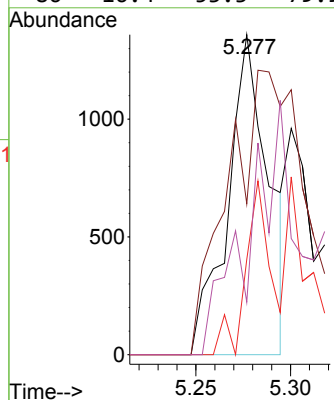


#20
Methylene Chloride
Concen: 0.365 ug/l
RT: 5.277 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

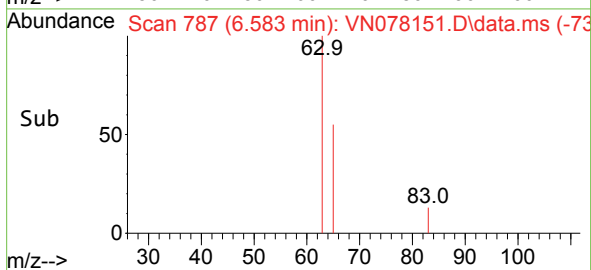
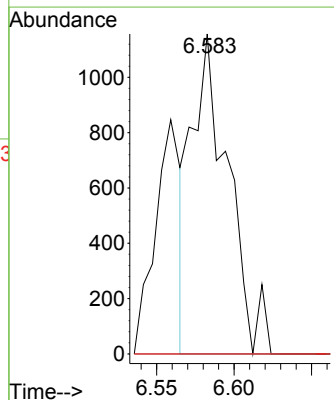
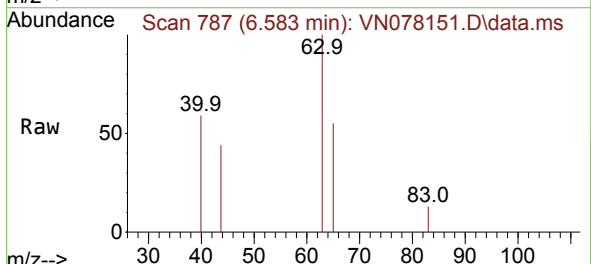


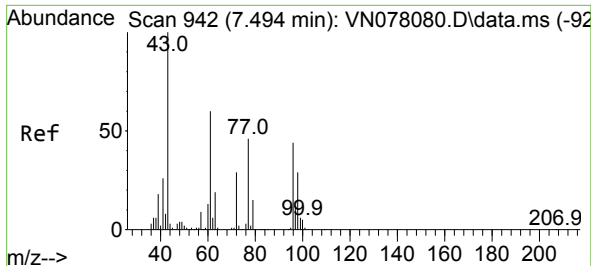
Tgt Ion: 84 Resp: 2027
Ion Ratio Lower Upper
84 100
49 47.2 79.7 119.5#
51 29.7 25.2 37.8
86 16.4 53.3 79.9#



#24
1,1-Dichloroethane
Concen: 0.208 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

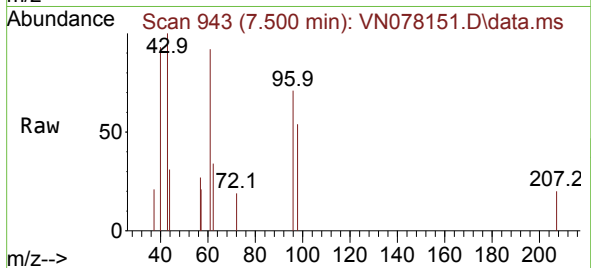
Tgt Ion: 63 Resp: 1889
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



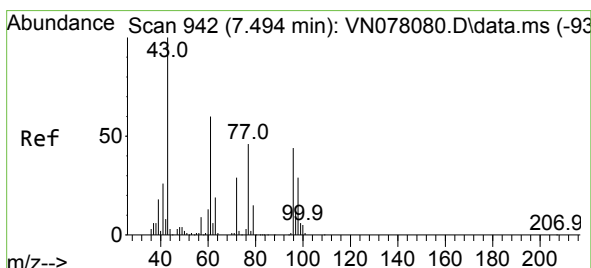
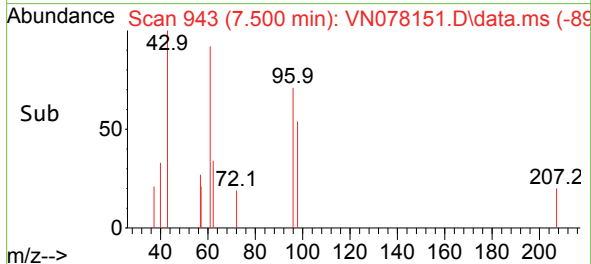
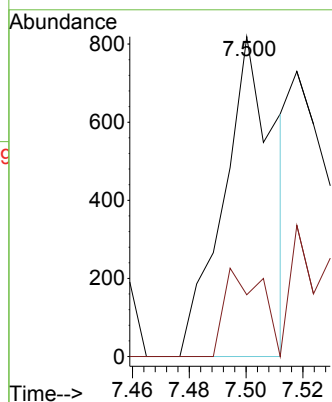


#25
2-Butanone
Concen: 0.399 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

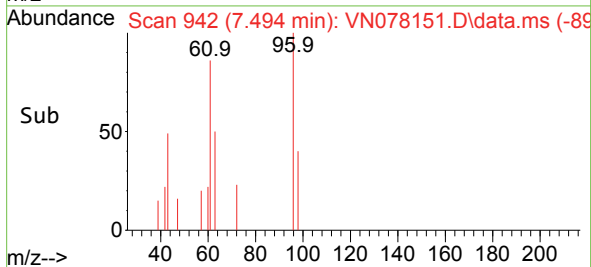
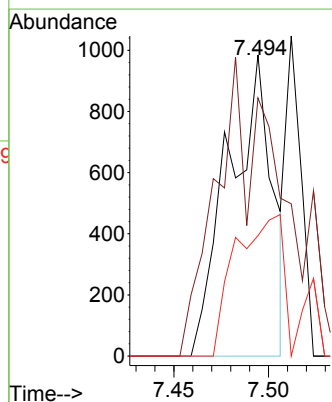
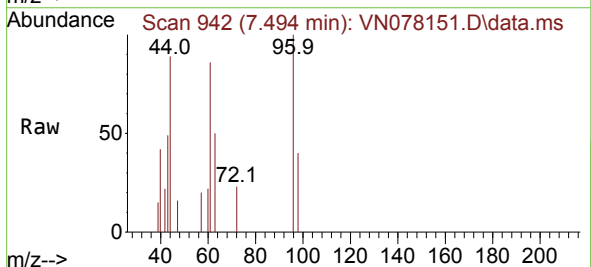


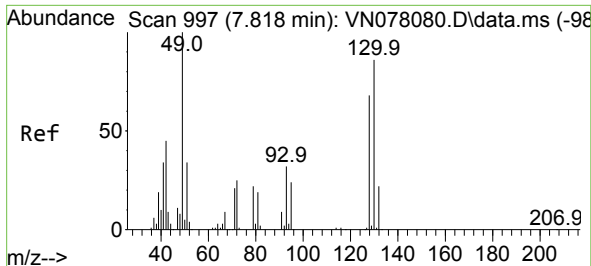
Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
72 19.3 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 0.257 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

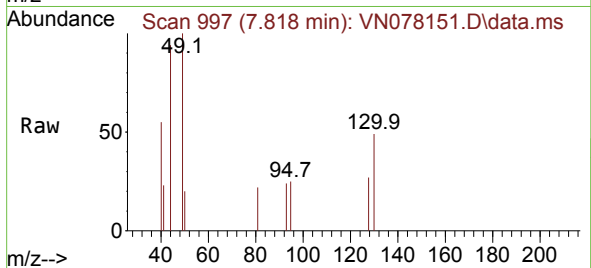
Tgt Ion: 96 Resp: 1585
Ion Ratio Lower Upper
96 100
61 0.0 0.0 255.2
98 54.2 0.0 128.8



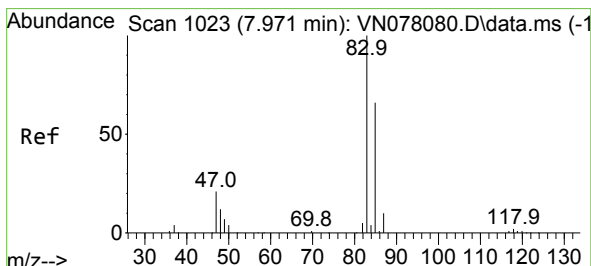
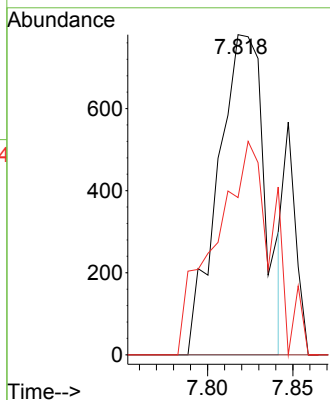
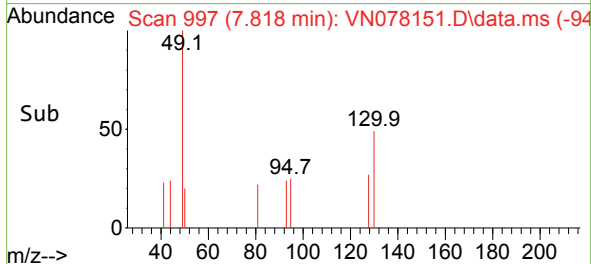


#28
Bromochloromethane
Concen: 0.359 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

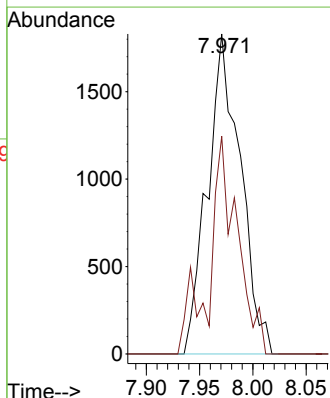
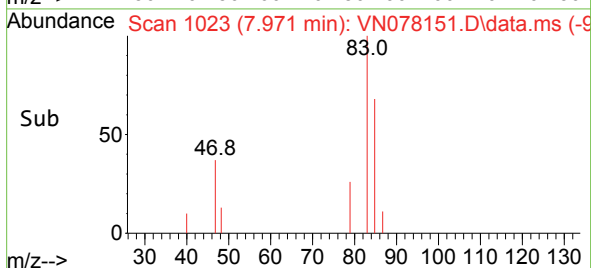
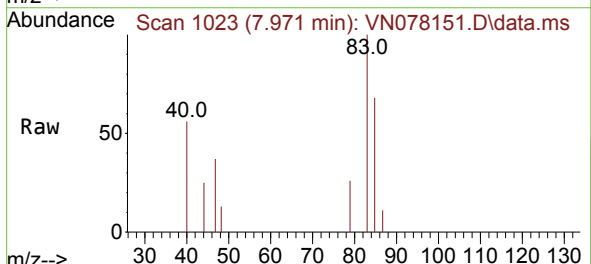


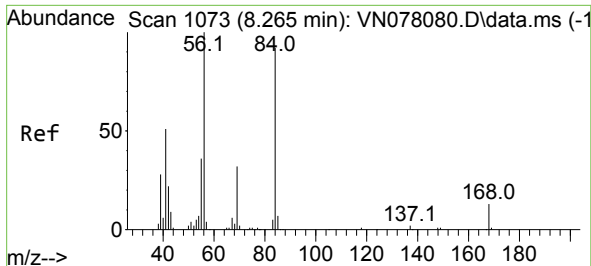
Tgt Ion: 49 Resp: 1495
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 82.3 75.3 112.9



#30
Chloroform
Concen: 0.402 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

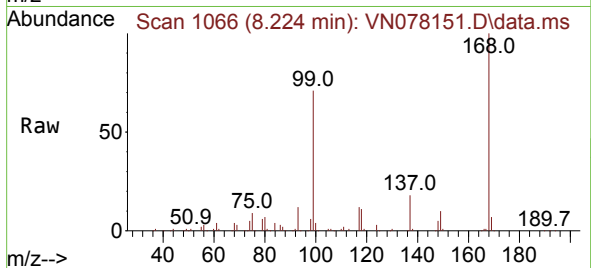
Tgt Ion: 83 Resp: 3925
Ion Ratio Lower Upper
83 100
85 68.0 55.4 83.0



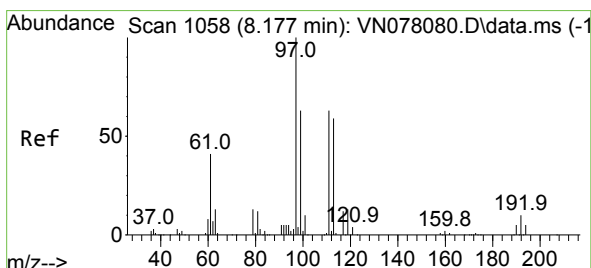
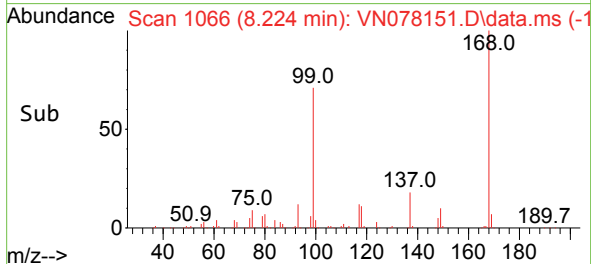
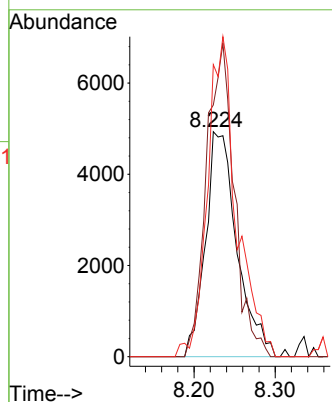


#31
Cyclohexane
Concen: 1.776 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

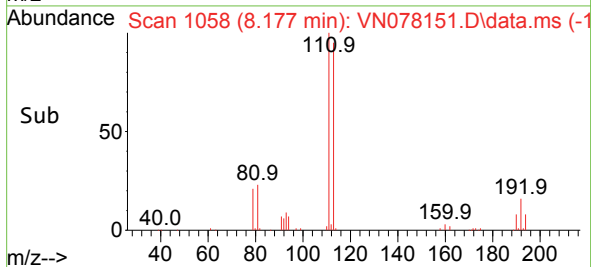
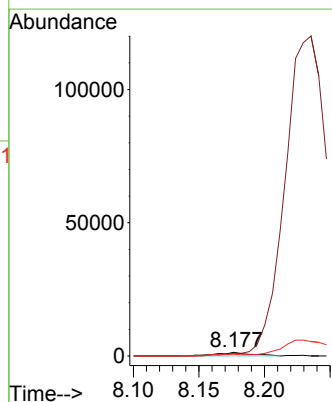
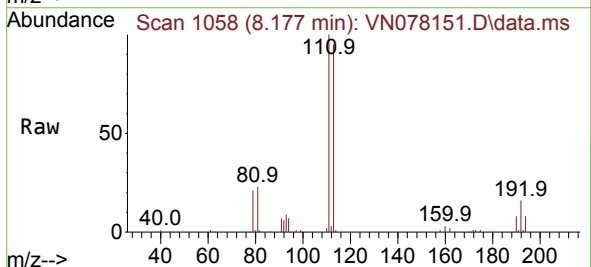


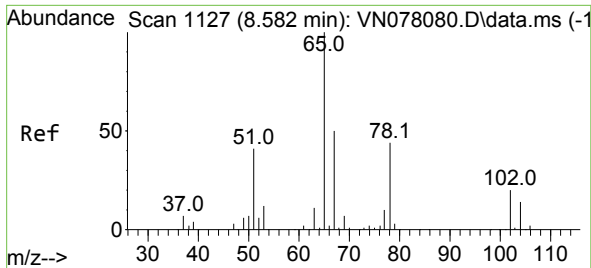
Tgt Ion: 56 Resp: 13308
Ion Ratio Lower Upper
56 100
69 111.9 26.8 40.2#
84 129.8 81.8 122.6#



#32
1,1,1-Trichloroethane
Concen: 0.277 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 97 Resp: 2371
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 39.3 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 52.550 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

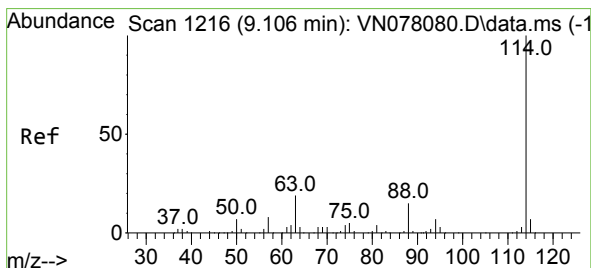
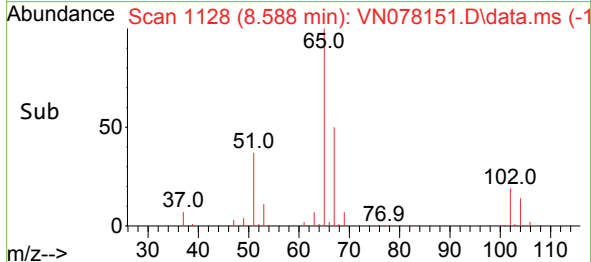
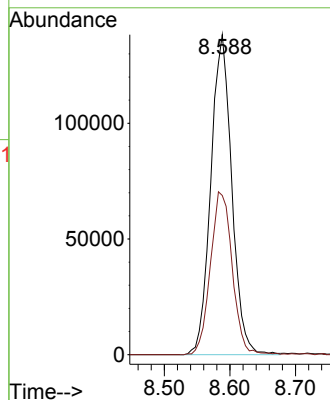
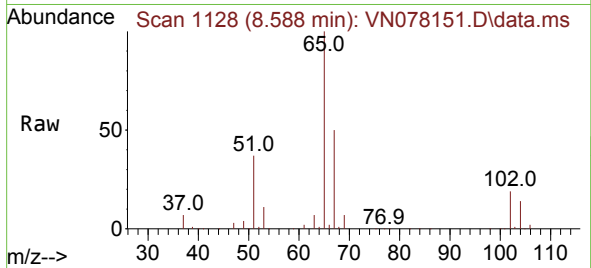
ClientSampleId :

Tgt Ion: 65 Resp: 307044

Ion Ratio Lower Upper

65 100

67 53.1 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: VN078151.D

Acq: 09 Jun 2023 17:22

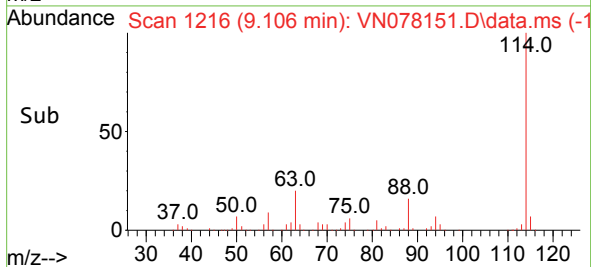
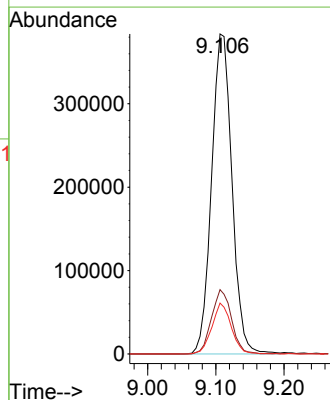
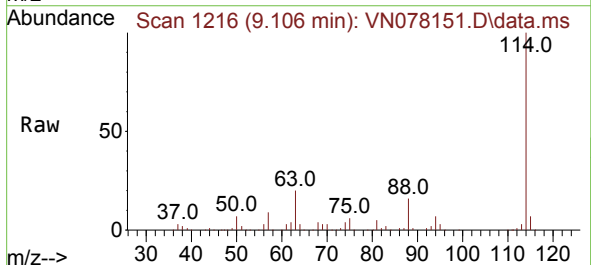
Tgt Ion: 114 Resp: 799372

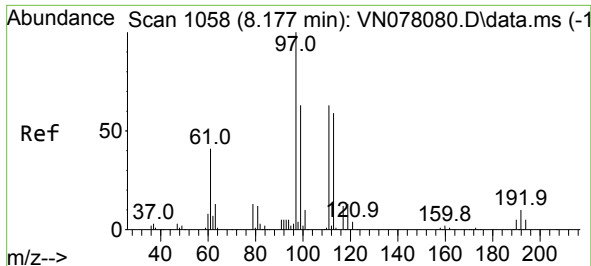
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

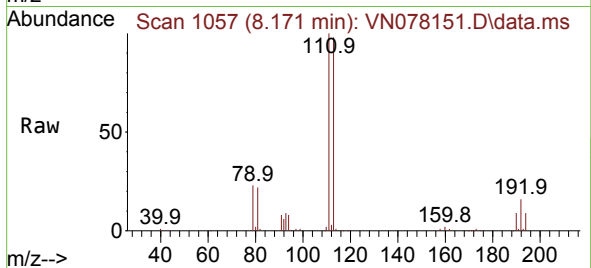
88 15.9 0.0 30.6



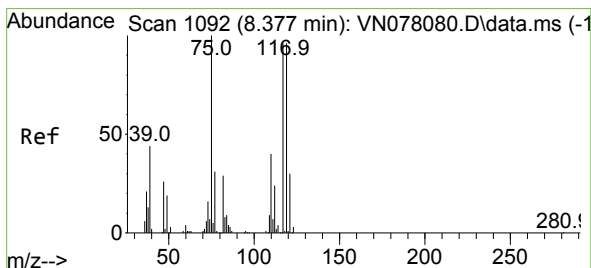
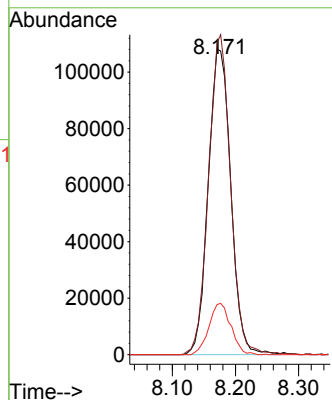
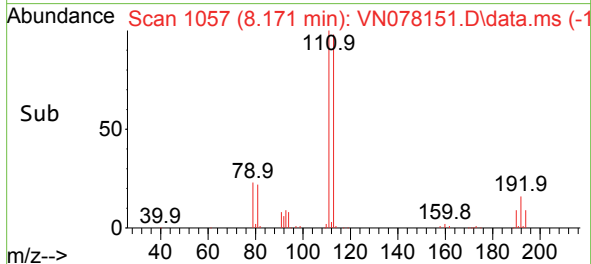


#35
 Dibromofluoromethane
 Concen: 53.179 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.006 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Instrument :
 MSVOA_N
 ClientSampleId :

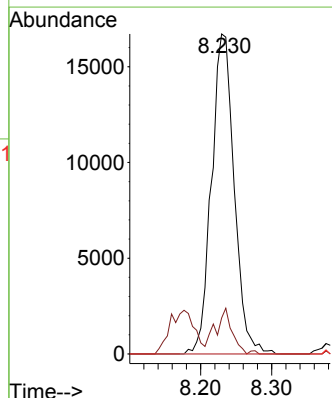
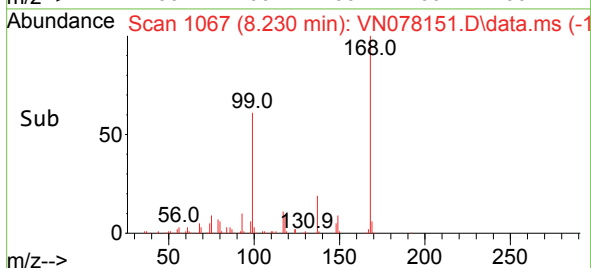
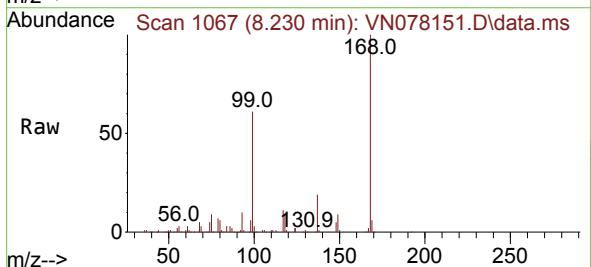


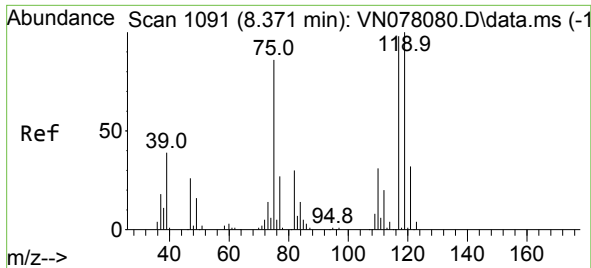
Tgt Ion:113 Resp: 268783
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 16.3 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

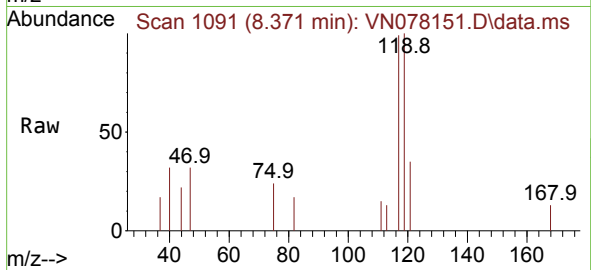
Tgt Ion: 75 Resp: 37073
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.1 57.3#
 77 0.0 25.0 37.4#



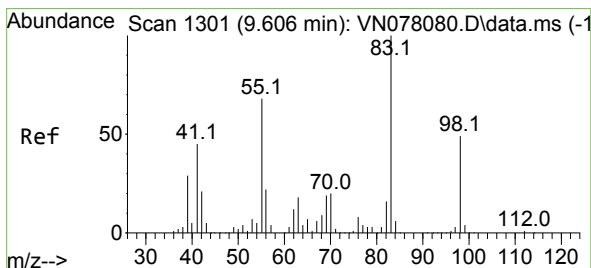
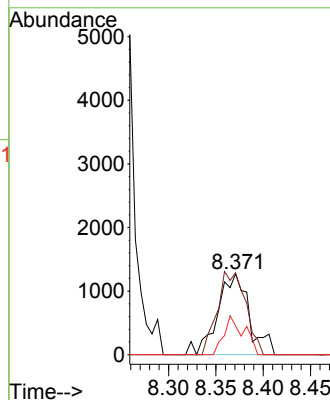
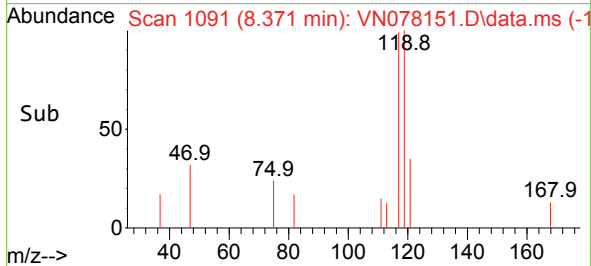


#38
Carbon Tetrachloride
Concen: 0.385 ug/l
RT: 8.371 min Scan# 110
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

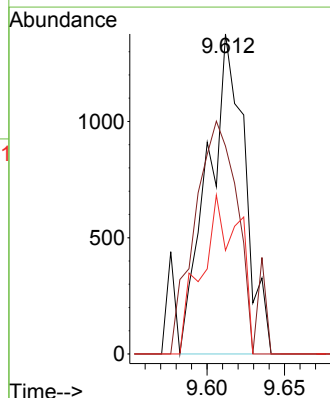
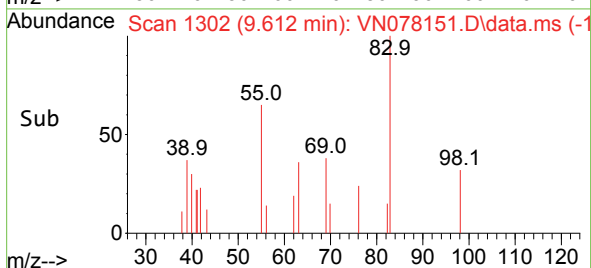
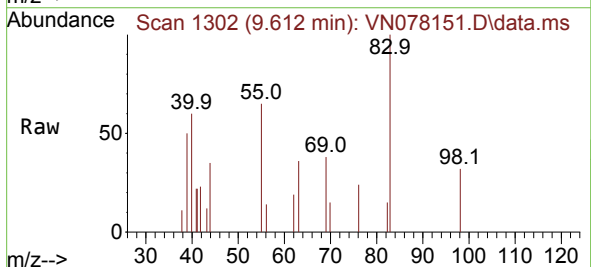


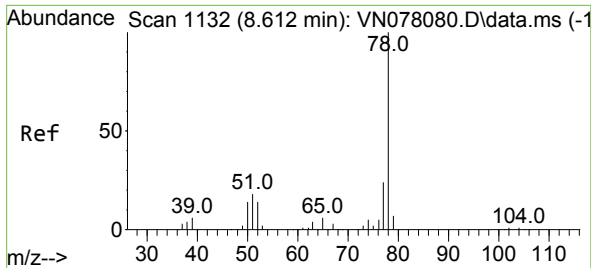
Tgt Ion:117 Resp: 2944
Ion Ratio Lower Upper
117 100
119 101.3 77.3 115.9
121 35.6 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.304 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 83 Resp: 2284
Ion Ratio Lower Upper
83 100
55 65.0 49.1 73.7
98 32.3 40.6 61.0#

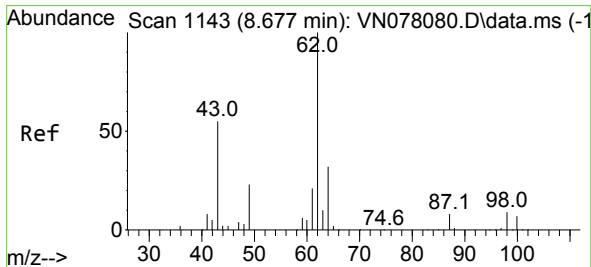
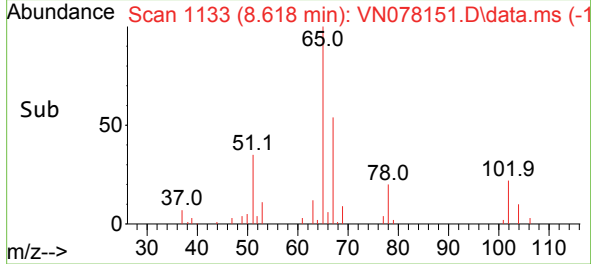
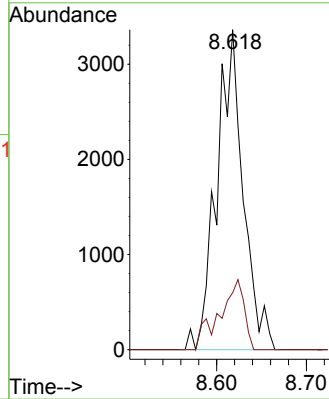
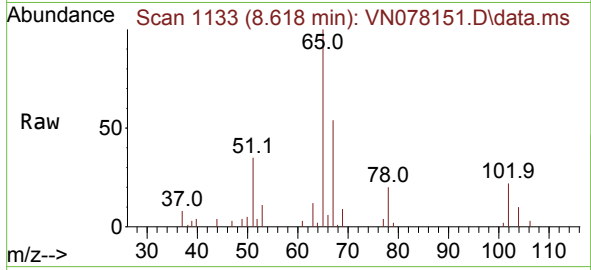




#40
Benzene
Concen: 0.317 ug/l
RT: 8.618 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

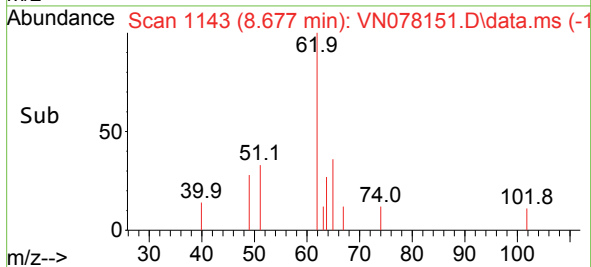
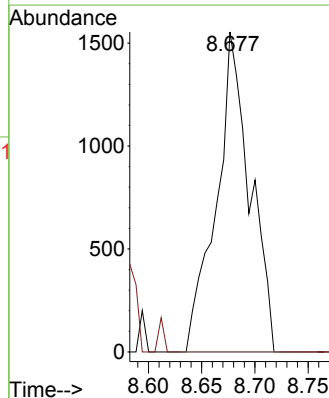
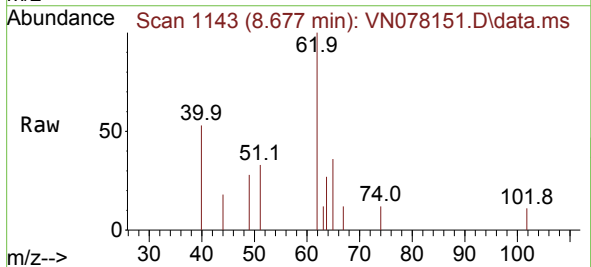
Instrument :
MSVOA_N
ClientSampleId :

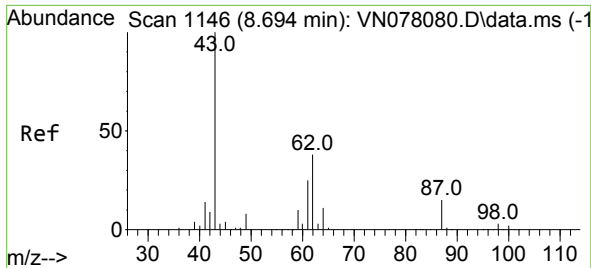
Tgt Ion: 78 Resp: 6869
Ion Ratio Lower Upper
78 100
77 17.8 19.0 28.6#



#42
1,2-Dichloroethane
Concen: 0.459 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

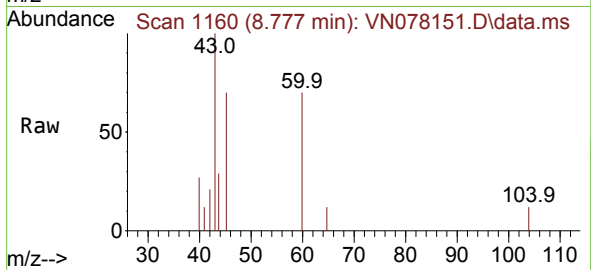
Tgt Ion: 62 Resp: 3406
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



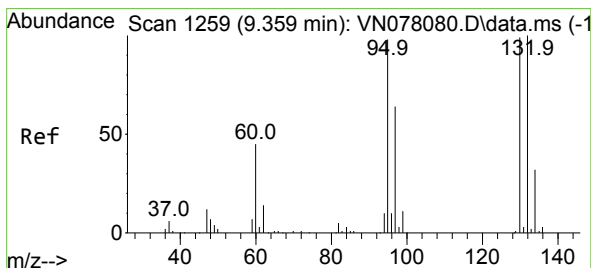
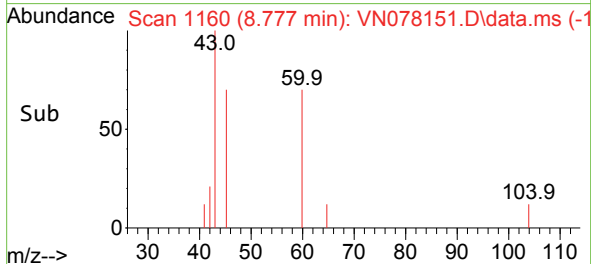
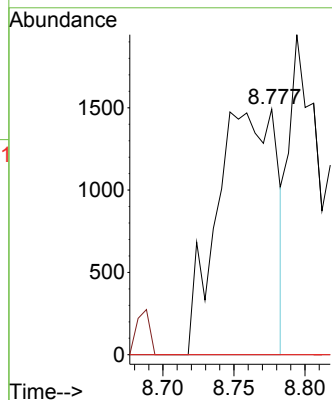


#43
Isopropyl Acetate
Concen: 0.401 ug/l
RT: 8.777 min Scan# 1160
Delta R.T. 0.082 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

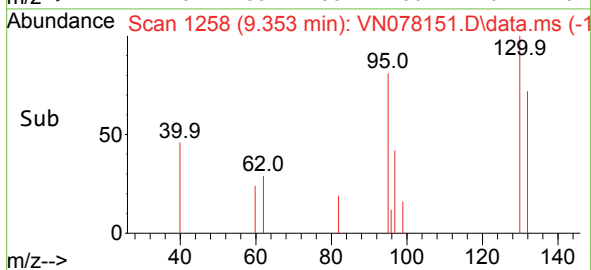
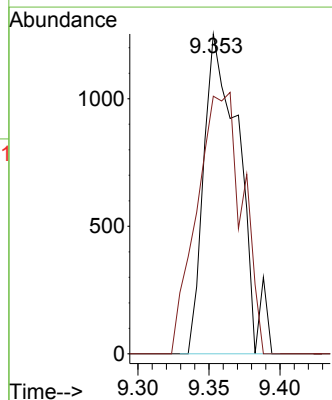
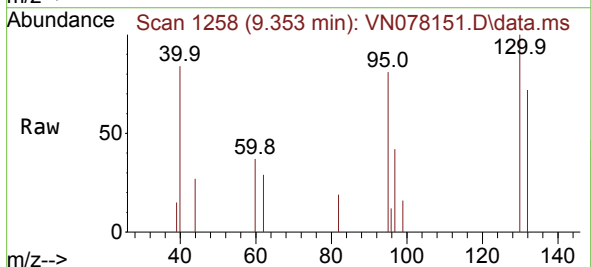


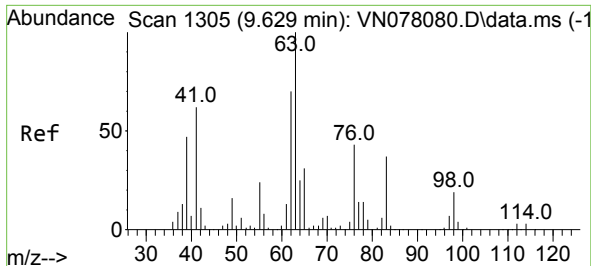
Tgt Ion: 43 Resp: 4342
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.379 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion:130 Resp: 2166
Ion Ratio Lower Upper
130 100
95 80.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.331 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

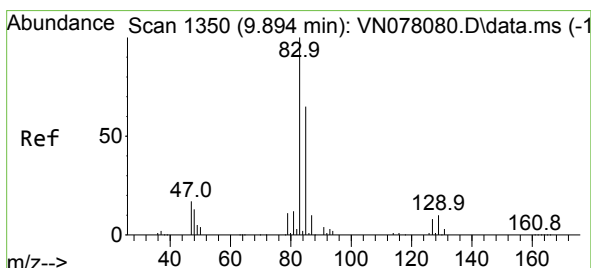
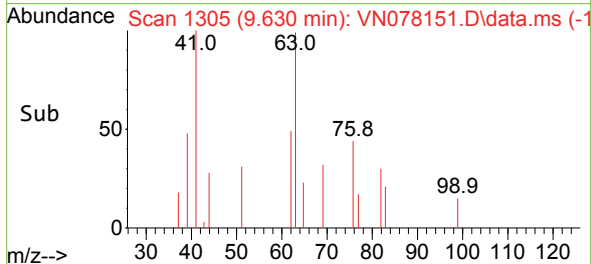
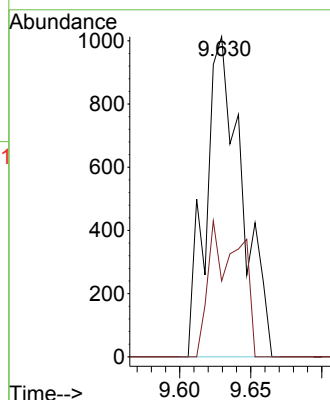
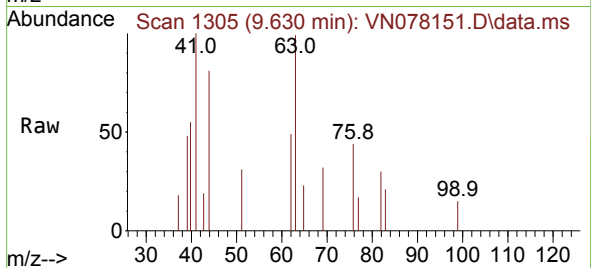
ClientSampleId :

Tgt Ion: 63 Resp: 1784

Ion Ratio Lower Upper

63 100

65 23.7 23.9 35.9#



#47

Bromodichloromethane

Concen: 0.302 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

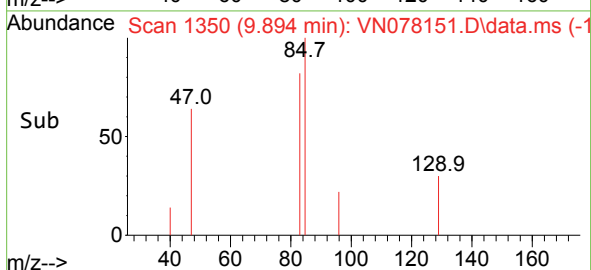
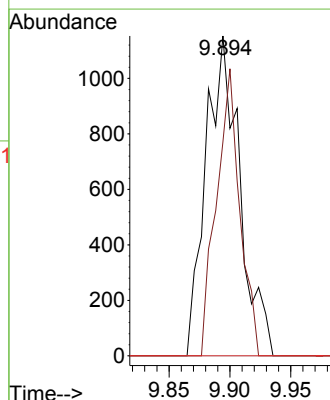
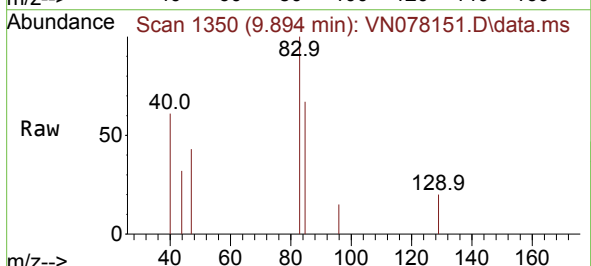
Tgt Ion: 83 Resp: 2226

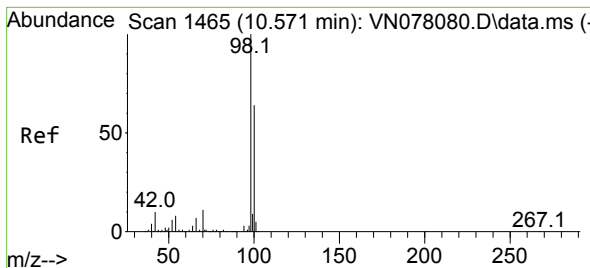
Ion Ratio Lower Upper

83 100

85 66.9 49.6 74.4

127 0.0 7.0 10.6#





#50

Toluene-d8

Concen: 49.413 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

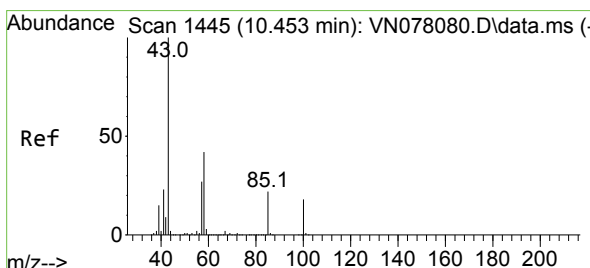
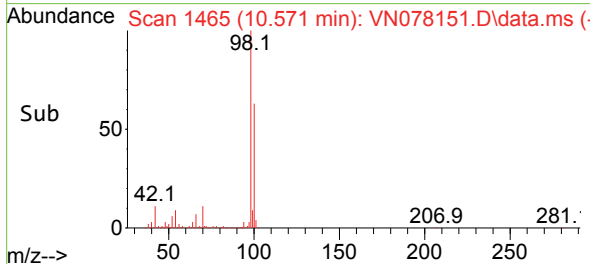
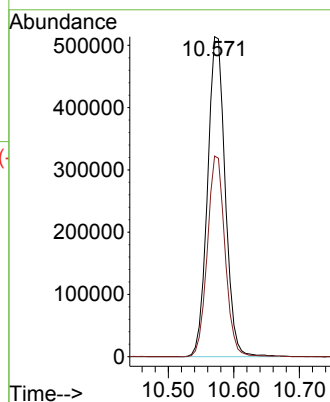
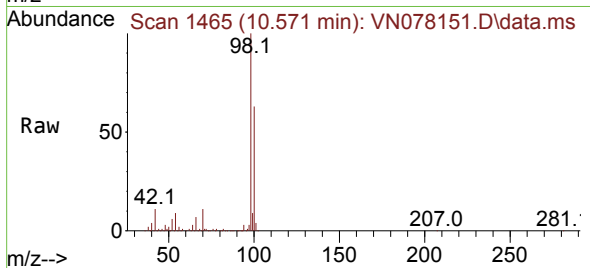
ClientSampleId :

Tgt Ion: 98 Resp: 962809

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.606 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN078151.D

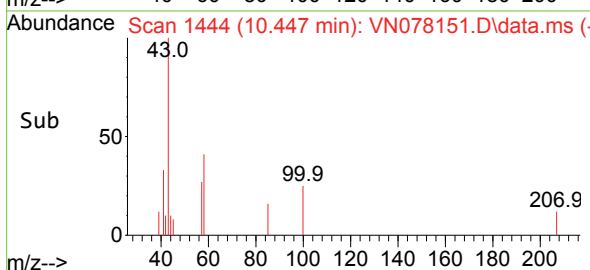
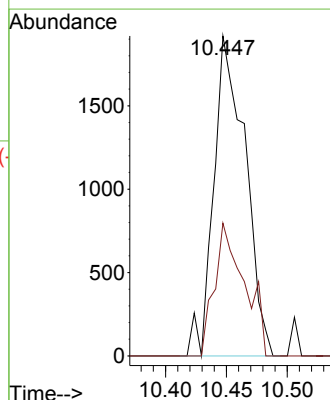
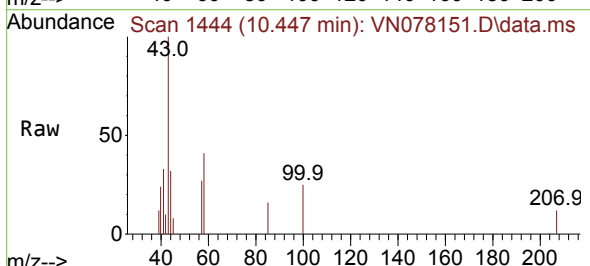
Acq: 09 Jun 2023 17:22

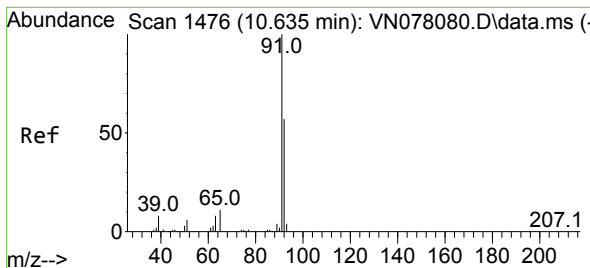
Tgt Ion: 43 Resp: 3456

Ion Ratio Lower Upper

43 100

58 39.5 36.6 54.8





#52

Toluene

Concen: 0.327 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

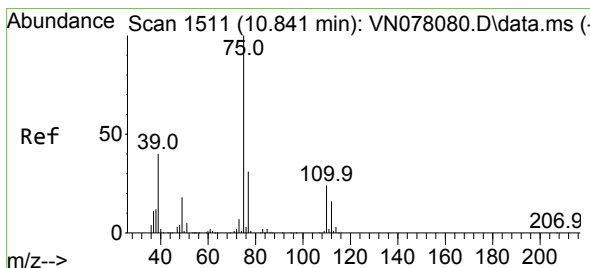
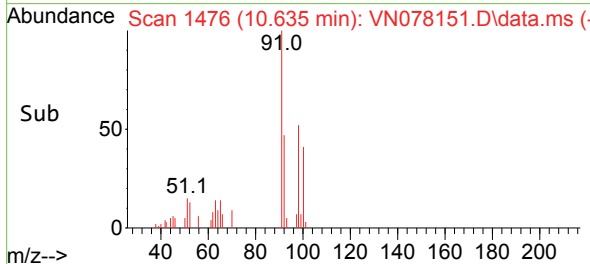
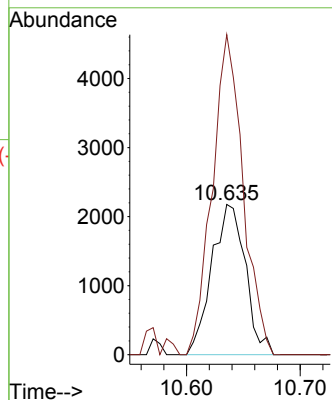
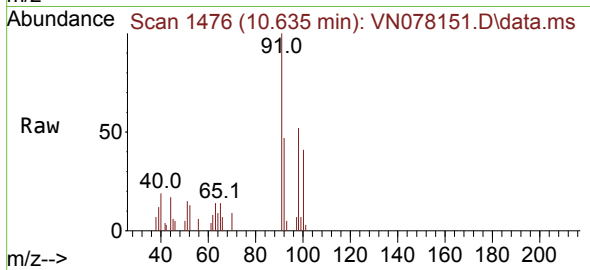
ClientSampleId :

Tgt Ion: 92 Resp: 4474

Ion Ratio Lower Upper

92 100

91 195.6 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 0.333 ug/l

RT: 10.847 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VN078151.D

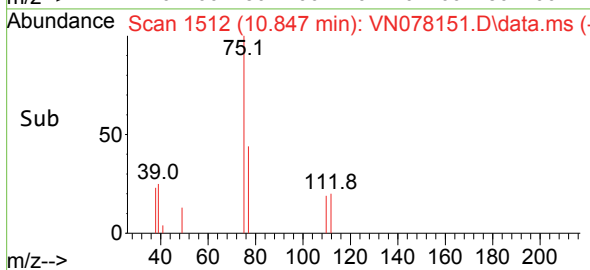
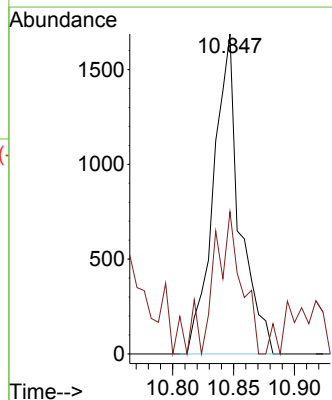
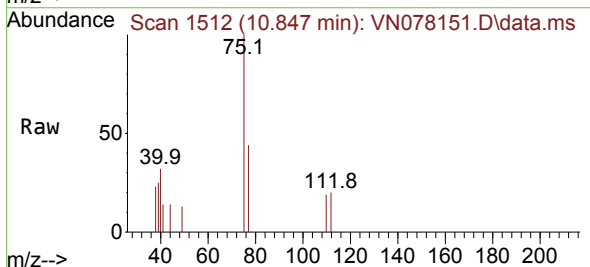
Acq: 09 Jun 2023 17:22

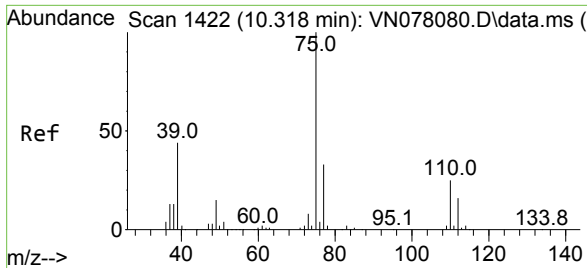
Tgt Ion: 75 Resp: 2553

Ion Ratio Lower Upper

75 100

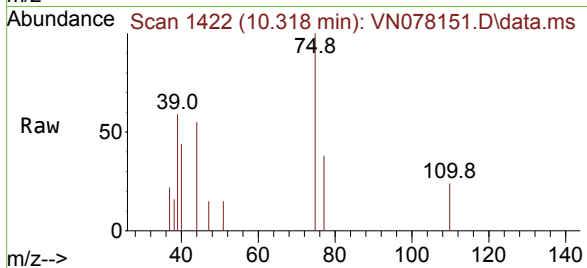
77 44.4 25.4 38.0#



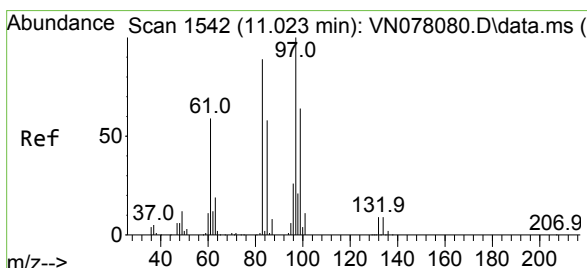
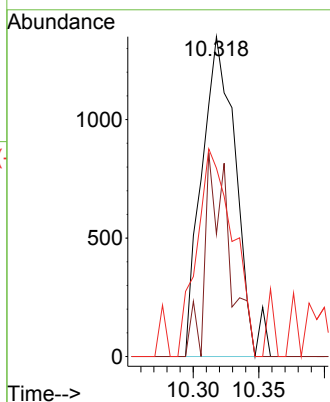
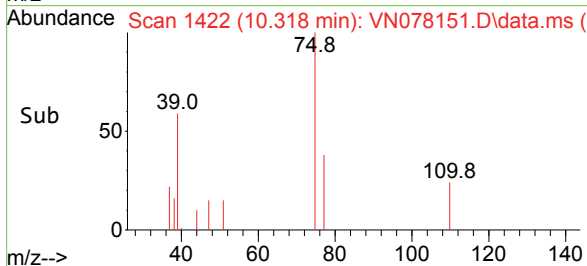


#54
 cis-1,3-Dichloropropene
 Concen: 0.287 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

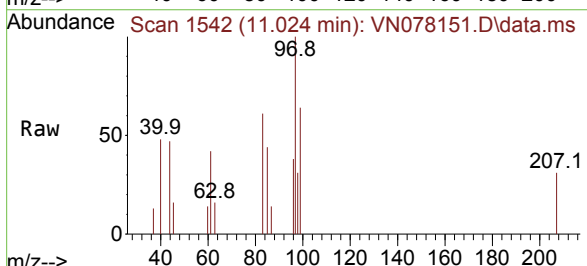
Instrument :
 MSVOA_N
 ClientSampleId :



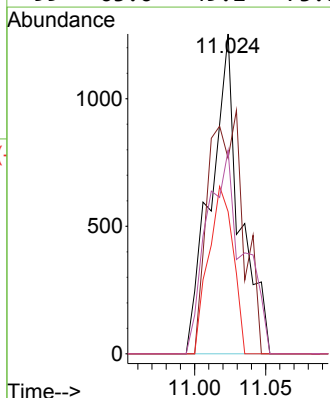
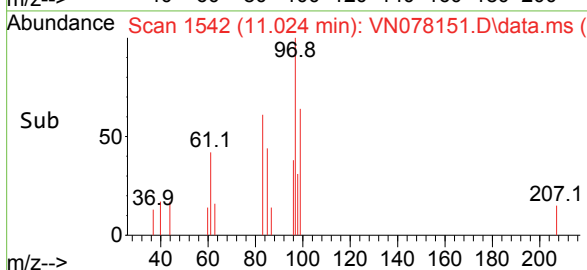
Tgt Ion: 75	Resp: 2438
Ion Ratio	Lower Upper
75	100
77	38.3 26.1 39.1
39	58.9 31.6 47.4#

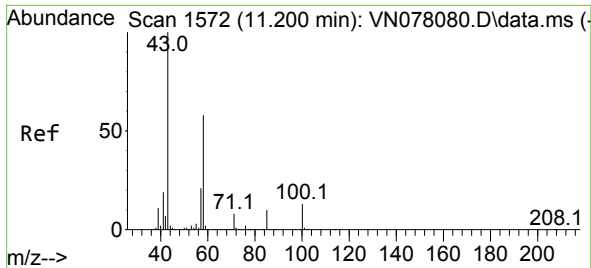


#55
 1,1,2-Trichloroethane
 Concen: 0.347 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22



Tgt Ion: 97	Resp: 1795
Ion Ratio	Lower Upper
97	100
83	61.2 65.1 97.7#
85	44.4 43.4 65.2
99	63.6 49.2 73.8

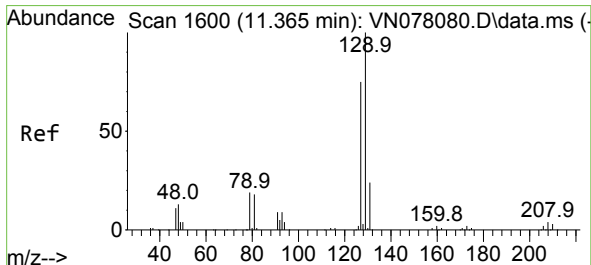
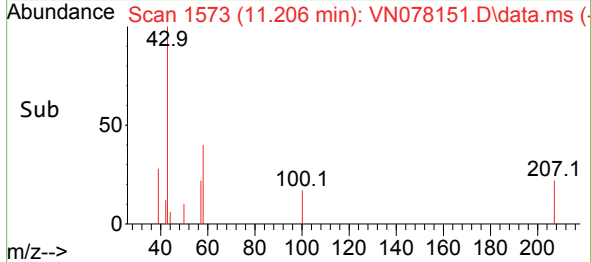
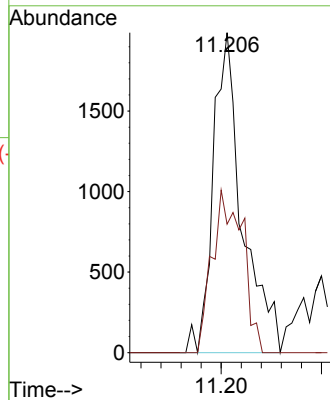
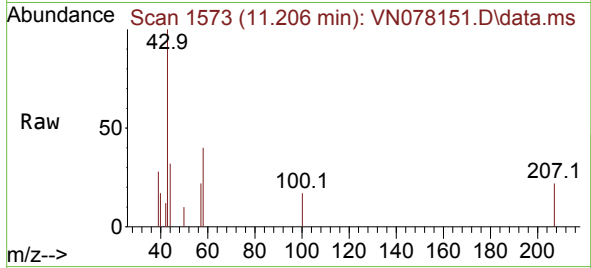




#59
2-Hexanone
Concen: 1.003 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

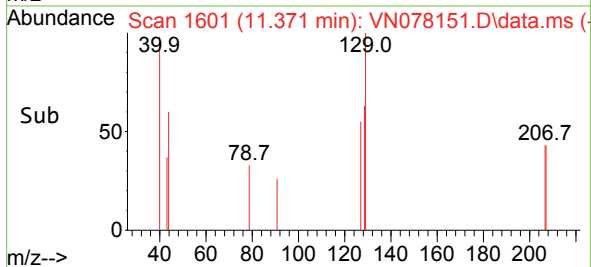
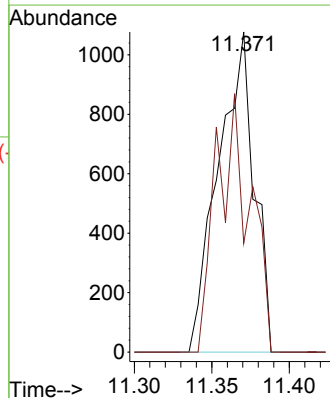
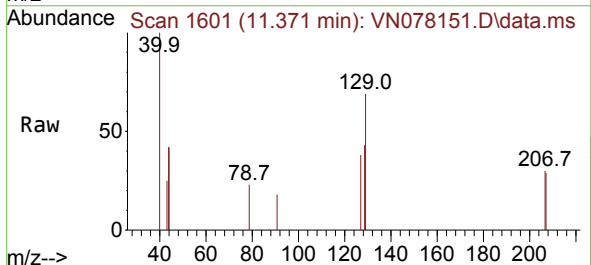
Instrument :
MSVOA_N
ClientSampleId :

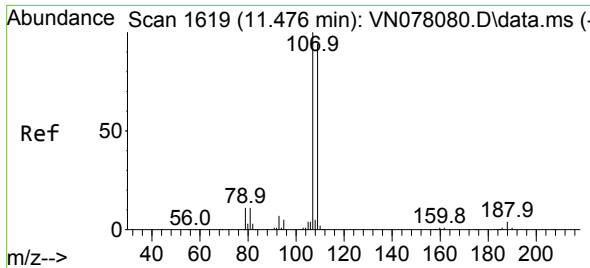
Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 53.6 31.7 95.1



#60
Dibromochloromethane
Concen: 0.305 ug/l
RT: 11.371 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 129 Resp: 1726
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0

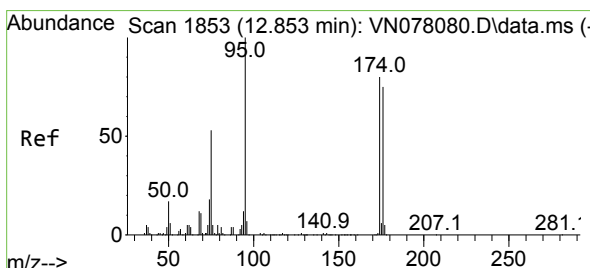
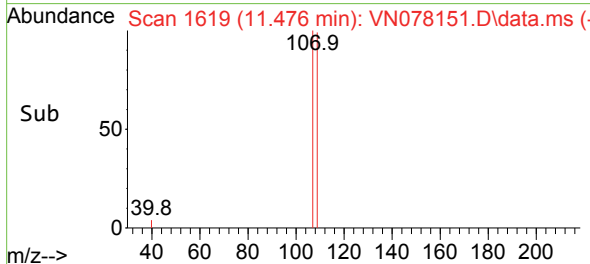
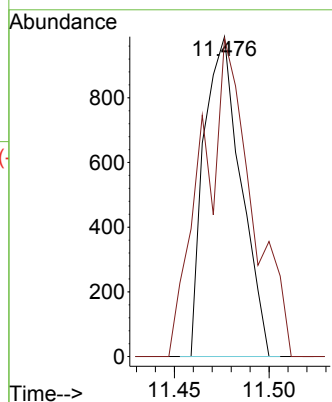
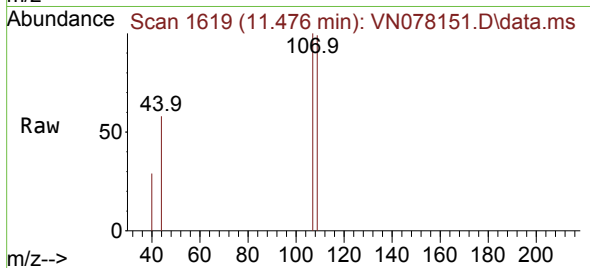




#61
1,2-Dibromoethane
Concen: 0.247 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

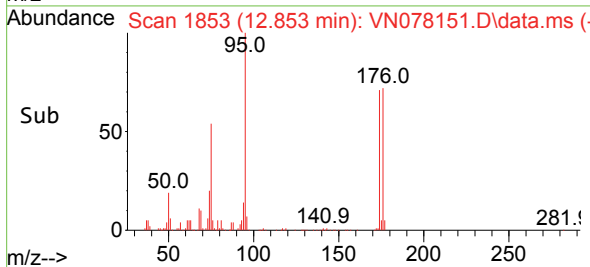
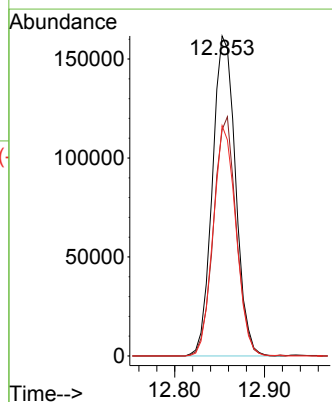
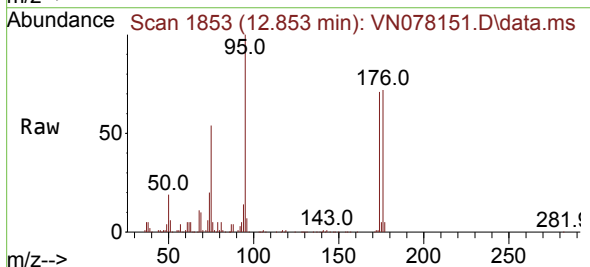
Instrument :
MSVOA_N
ClientSampleId :

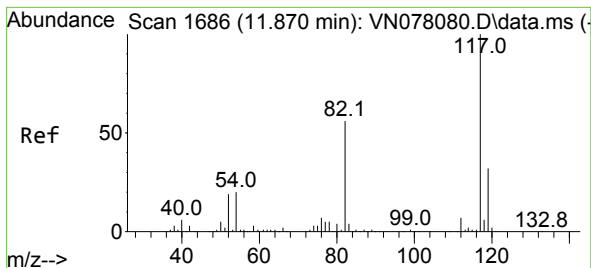
Tgt Ion:107 Resp: 1340
Ion Ratio Lower Upper
107 100
109 134.0 76.6 114.8#



#62
4-Bromofluorobenzene
Concen: 47.717 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 95 Resp: 289043
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 71.1 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: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

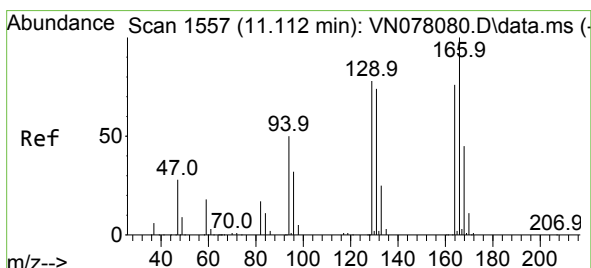
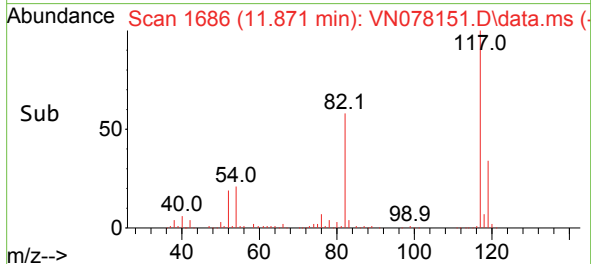
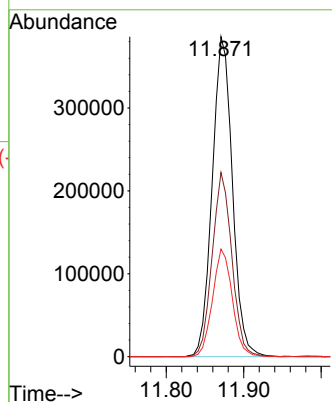
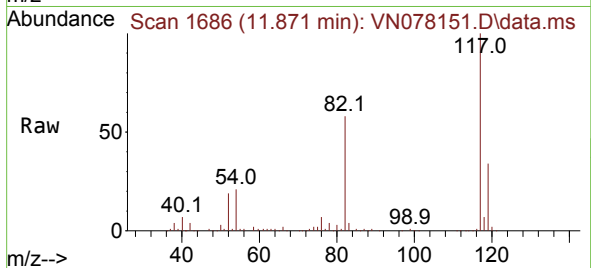
Tgt Ion:117 Resp: 699420

Ion Ratio Lower Upper

117 100

82 57.6 44.0 66.0

119 33.6 25.6 38.4



#64

Tetrachloroethene

Concen: 0.277 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.006 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Tgt Ion:164 Resp: 1293

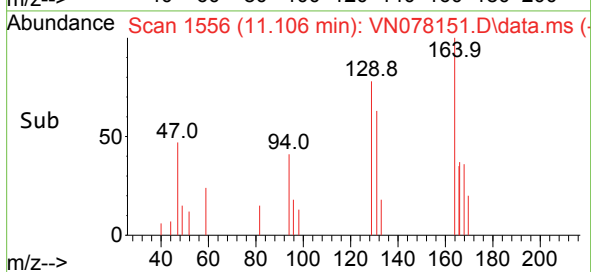
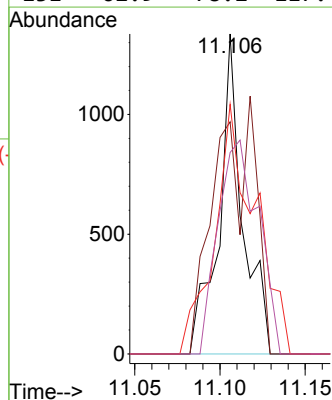
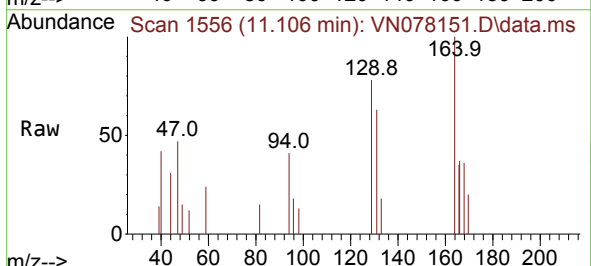
Ion Ratio Lower Upper

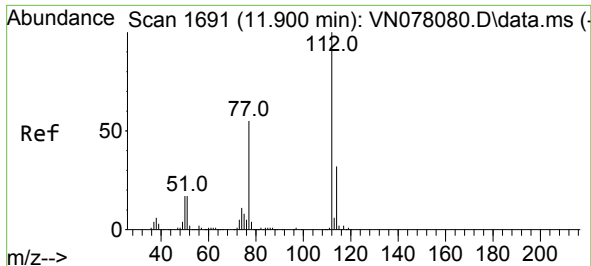
164 100

166 72.5 101.4 152.0#

129 78.0 82.4 123.6#

131 62.9 78.2 117.4#

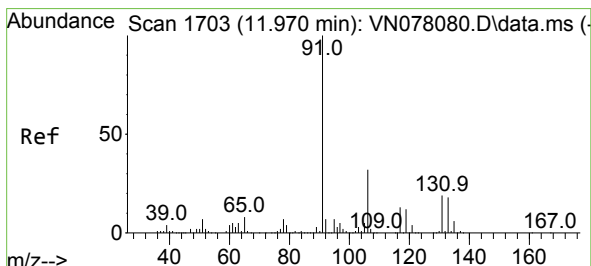
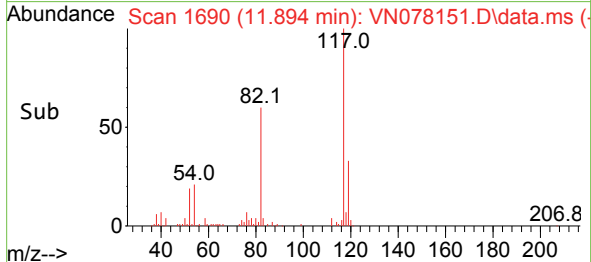
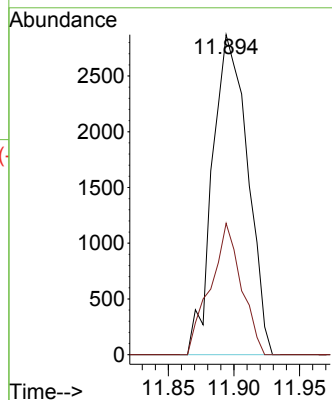
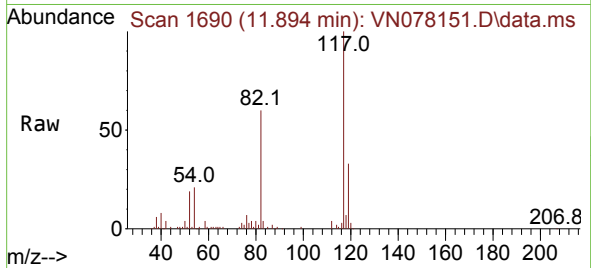




#65
Chlorobenzene
Concen: 0.357 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

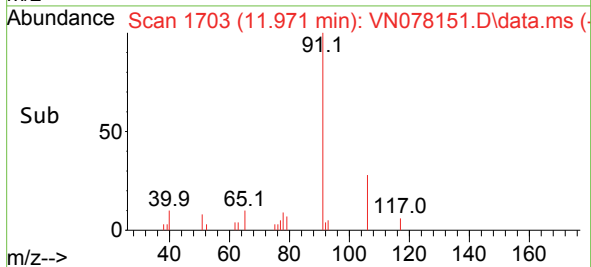
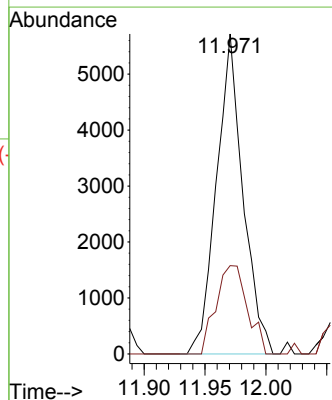
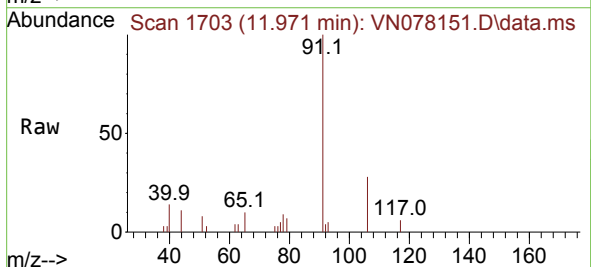
Instrument :
MSVOA_N
ClientSampleId :

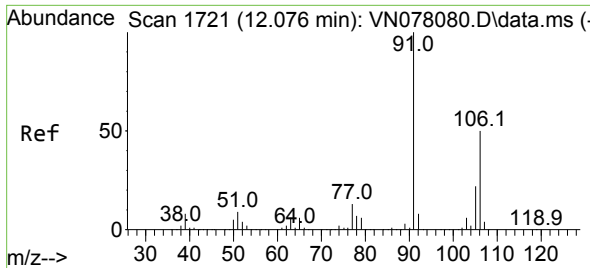
Tgt Ion:112 Resp: 5343
Ion Ratio Lower Upper
112 100
114 41.0 25.0 37.4#



#67
Ethyl Benzene
Concen: 0.334 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 91 Resp: 8644
Ion Ratio Lower Upper
91 100
106 27.6 25.6 38.4

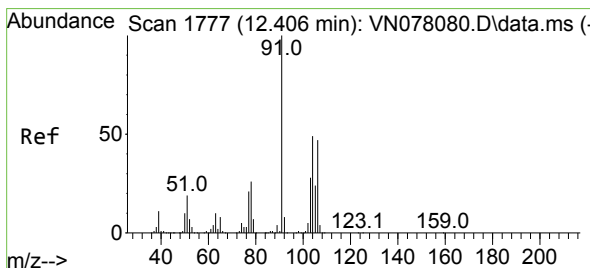
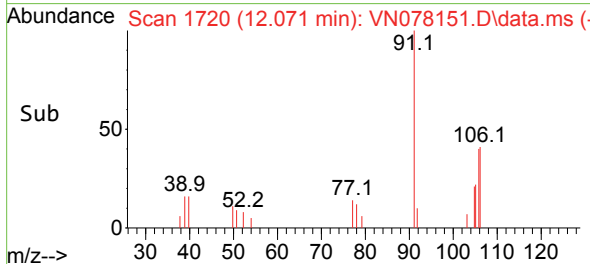
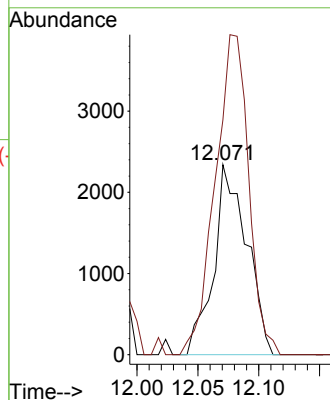
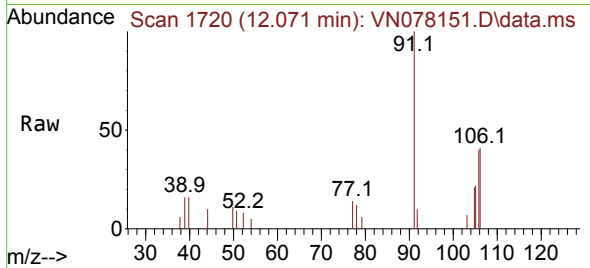




#68
m/p-Xylenes
Concen: 0.449 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

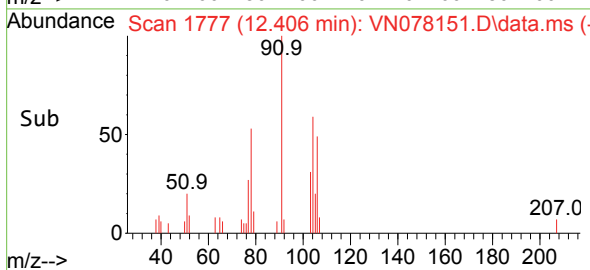
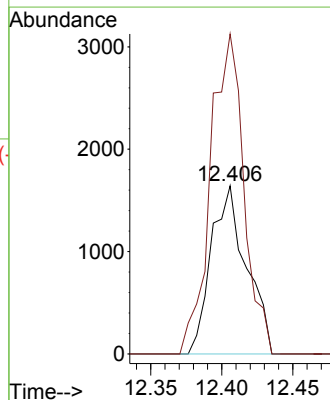
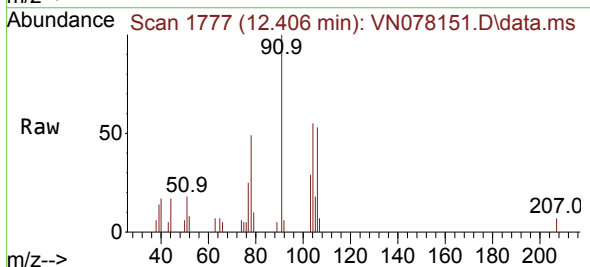
Instrument :
MSVOA_N
ClientSampleId :

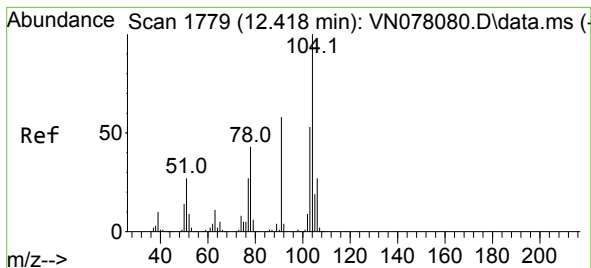
Tgt Ion:106 Resp: 4421
Ion Ratio Lower Upper
106 100
91 170.3 159.6 239.4



#69
o-Xylene
Concen: 0.293 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion:106 Resp: 2830
Ion Ratio Lower Upper
106 100
91 180.9 105.2 315.5





#70

Styrene

Concen: 0.273 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078151.D

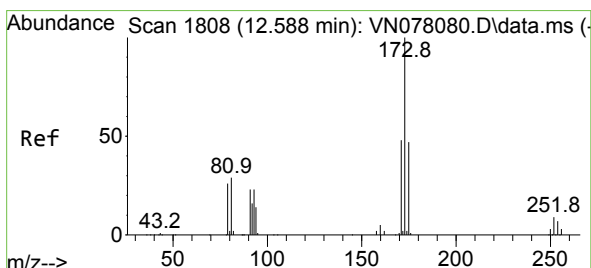
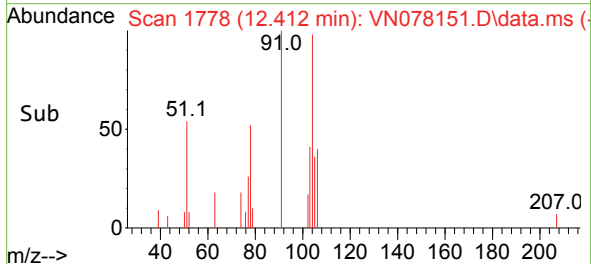
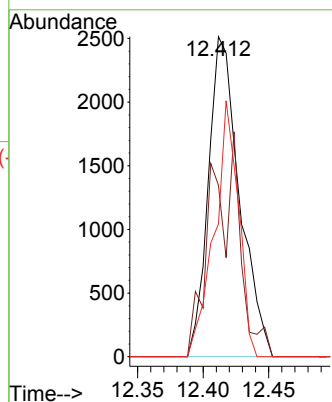
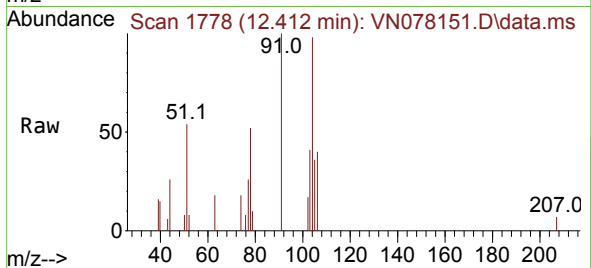
Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	104	Resp:	4154
Ion Ratio	Lower	Upper	
104	100		
78	64.9	39.5	59.3#
103	61.6	43.2	64.8



#71

Bromoform

Concen: 0.285 ug/l

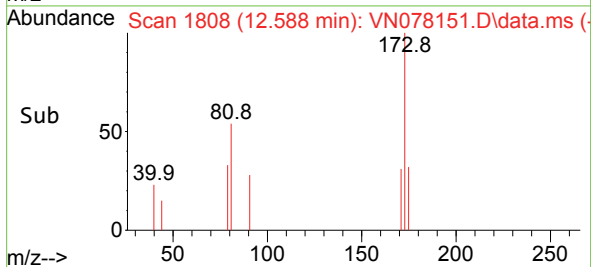
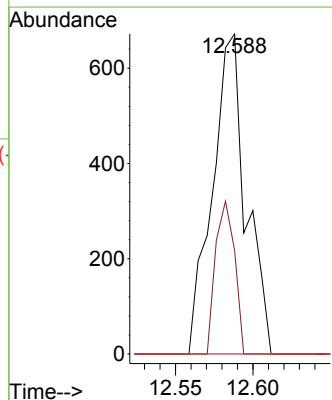
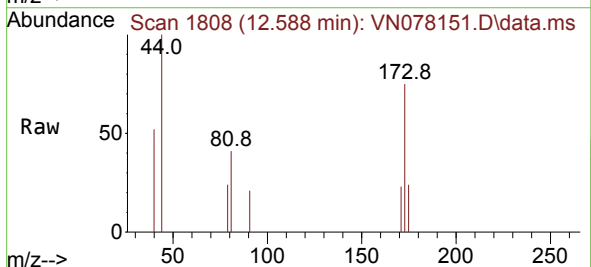
RT: 12.588 min Scan# 1808

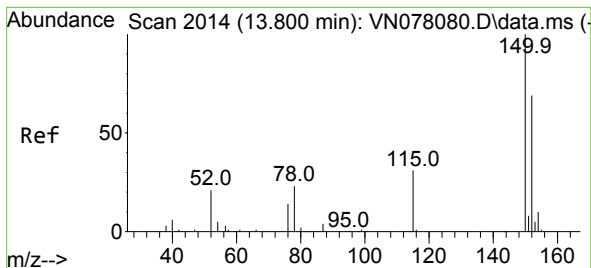
Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Tgt Ion:	173	Resp:	1015
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.3	73.0#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

ClientSampleId :

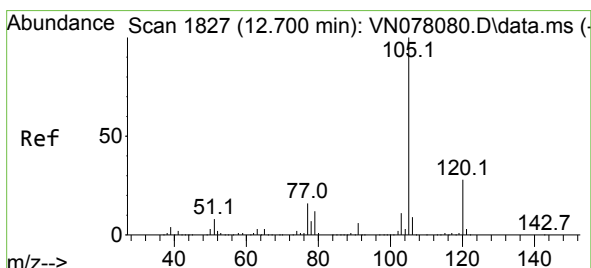
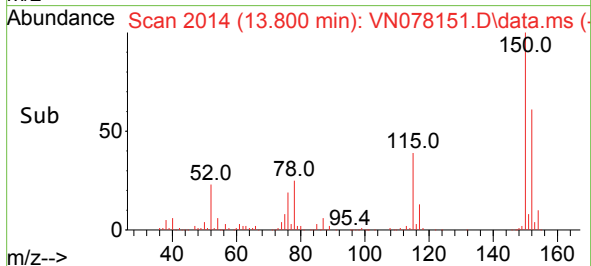
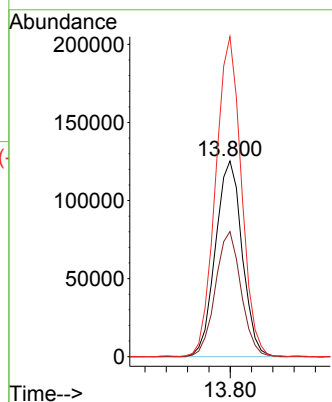
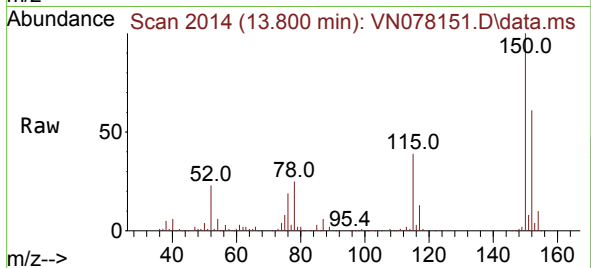
Tgt Ion:152 Resp: 217702

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.5 0.0 355.8



#73

Isopropylbenzene

Concen: 0.324 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN078151.D

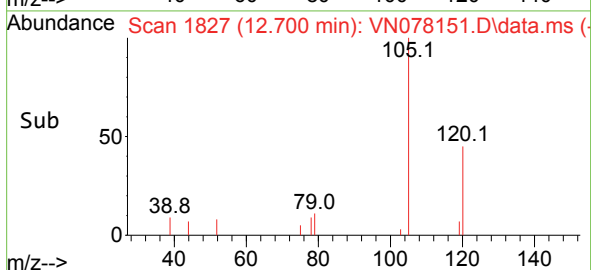
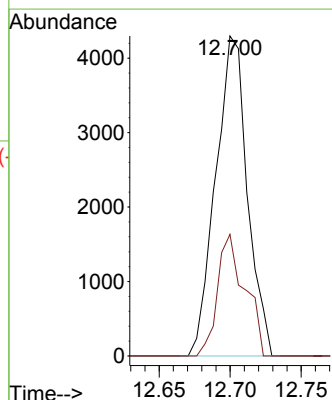
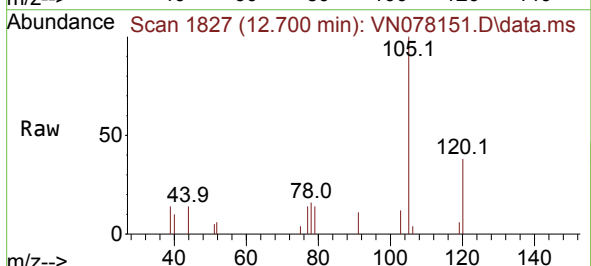
Acq: 09 Jun 2023 17:22

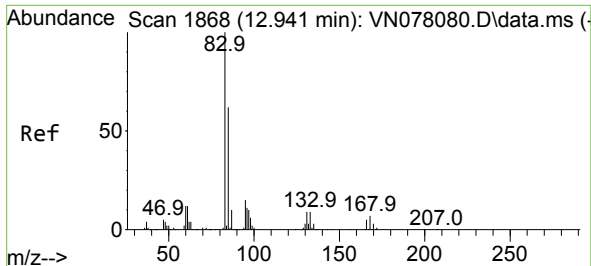
Tgt Ion:105 Resp: 6673

Ion Ratio Lower Upper

105 100

120 32.8 13.1 39.1

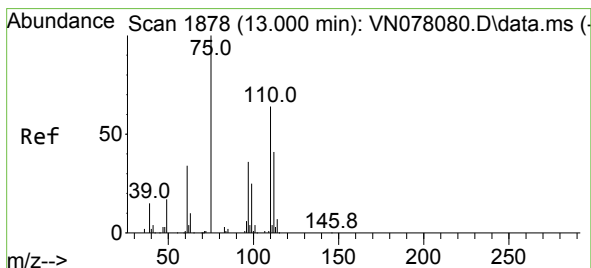
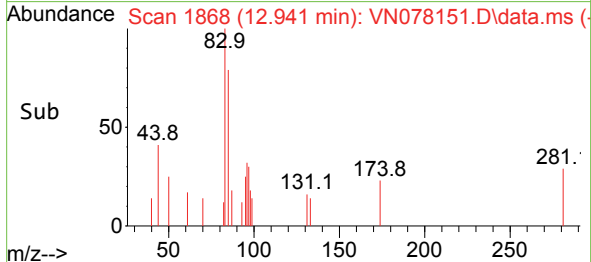
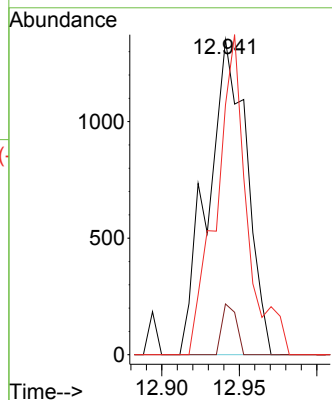
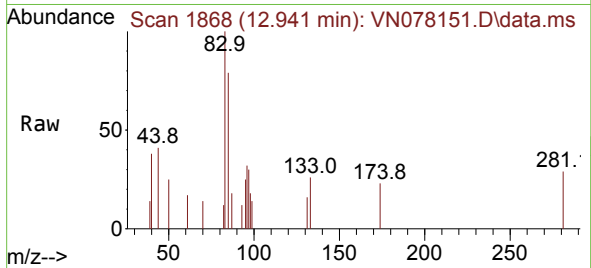




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

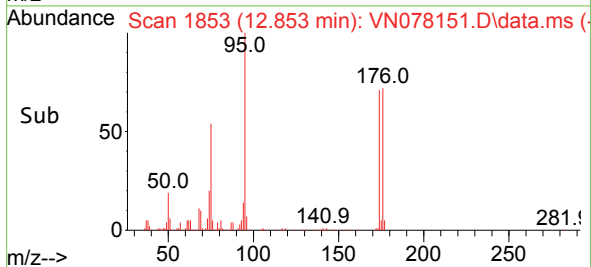
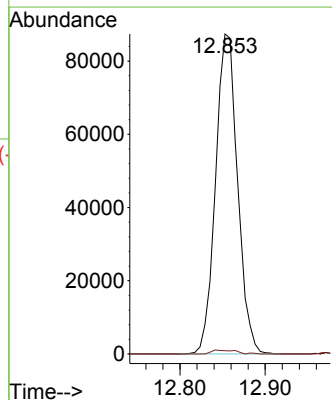
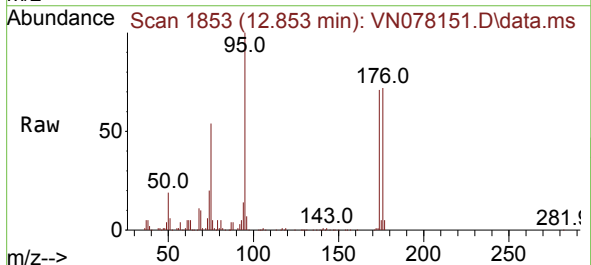
Instrument :
MSVOA_N
ClientSampleId :

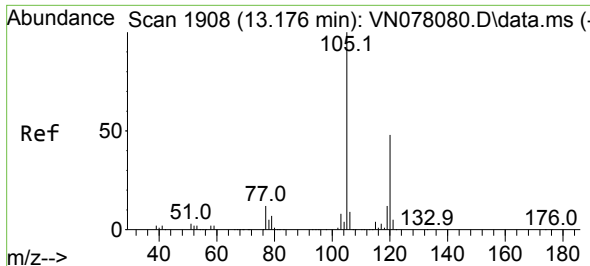
Tgt Ion: 83 Resp: 2358
Ion Ratio Lower Upper
83 100
131 6.0 5.0 15.0
85 80.2 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 30.480 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion: 75 Resp: 156868
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#

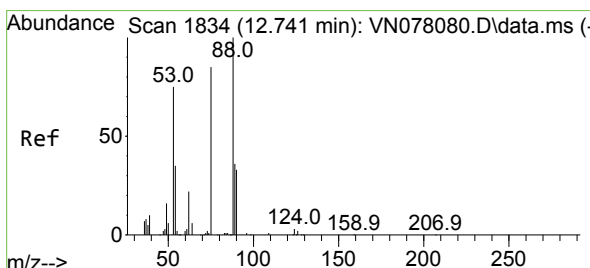
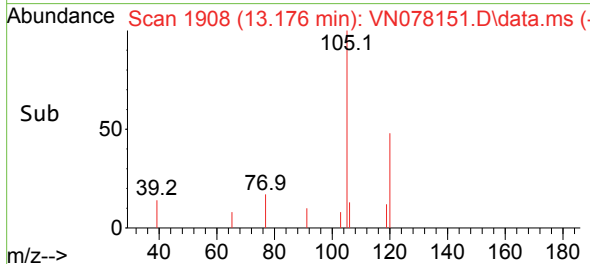
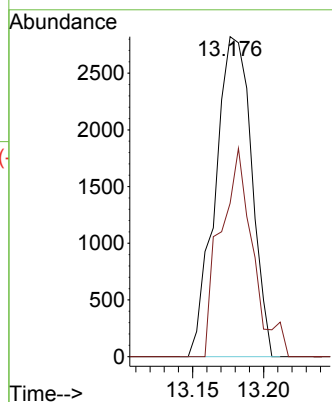
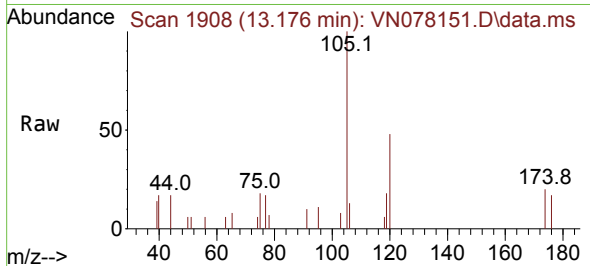




#80
 1,3,5-Trimethylbenzene
 Concen: 0.301 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

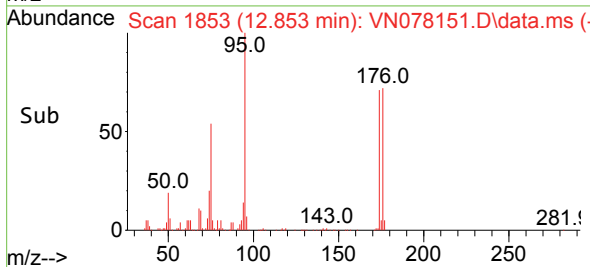
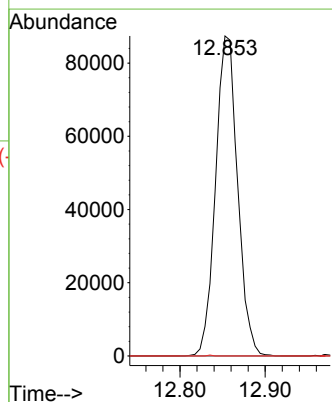
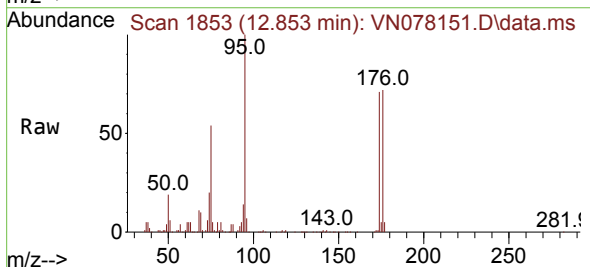
Instrument :
 MSVOA_N
 ClientSampleId :

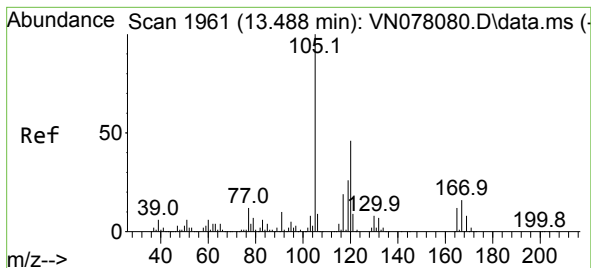
Tgt Ion:105 Resp: 5019
 Ion Ratio Lower Upper
 105 100
 120 58.0 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.645 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Tgt Ion: 75 Resp: 156868
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.320 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

Instrument :

MSVOA_N

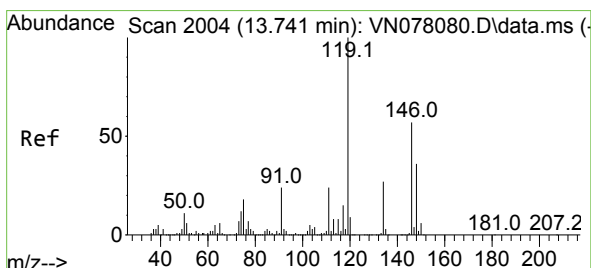
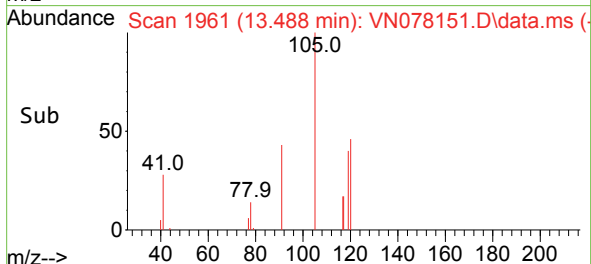
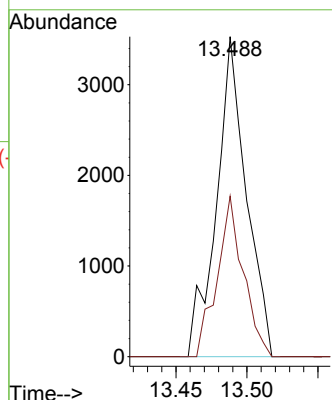
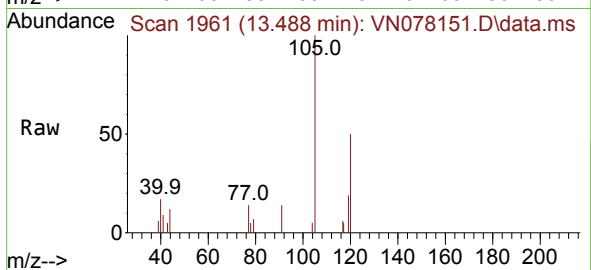
ClientSampleId :

Tgt Ion:105 Resp: 5169

Ion Ratio Lower Upper

105 100

120 43.8 22.0 66.0



#87

1,3-Dichlorobenzene

Concen: 0.394 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

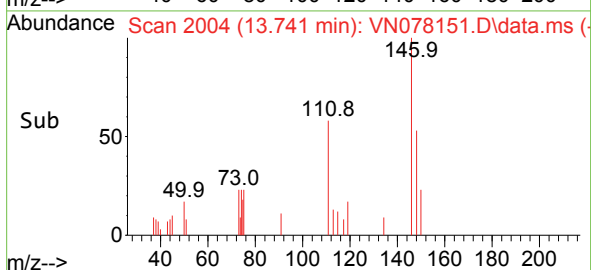
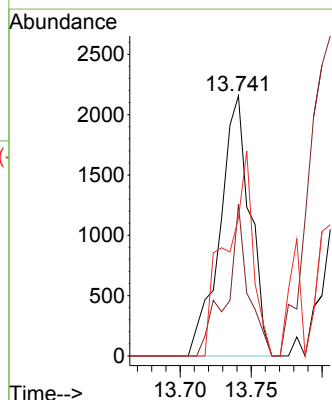
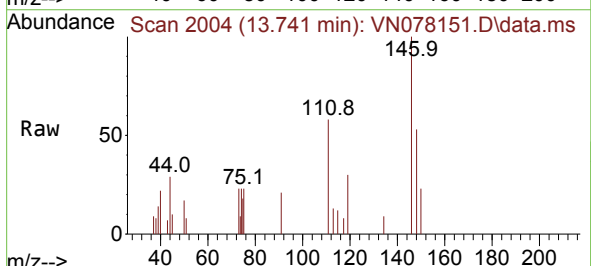
Tgt Ion:146 Resp: 3183

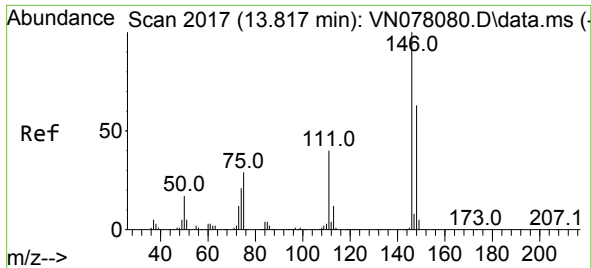
Ion Ratio Lower Upper

146 100

111 42.3 22.1 66.3

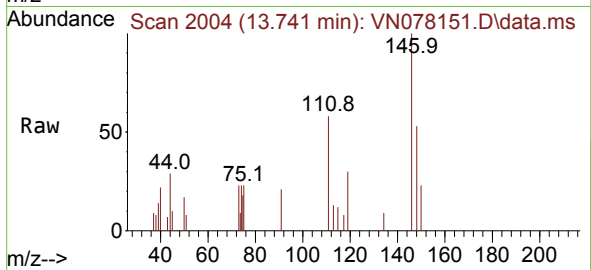
148 70.1 32.0 96.0



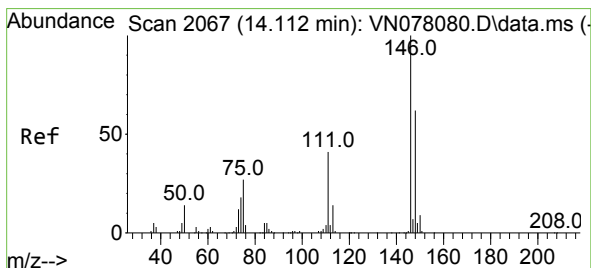
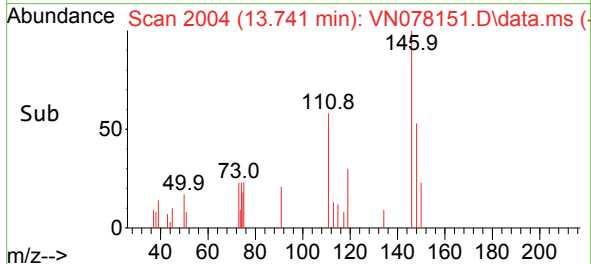
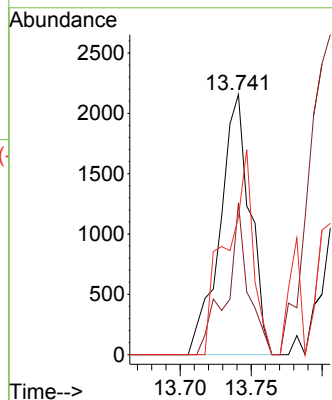


#88
1,4-Dichlorobenzene
Concen: 0.408 ug/l
RT: 13.741 min Scan# 2017
Delta R.T. -0.076 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Instrument :
MSVOA_N
ClientSampleId :

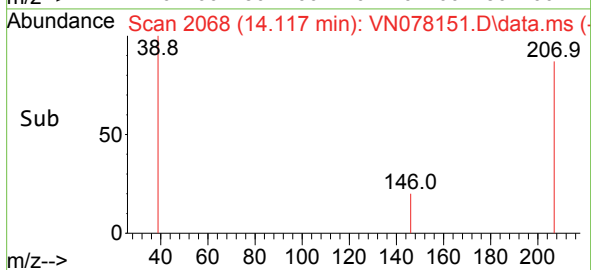
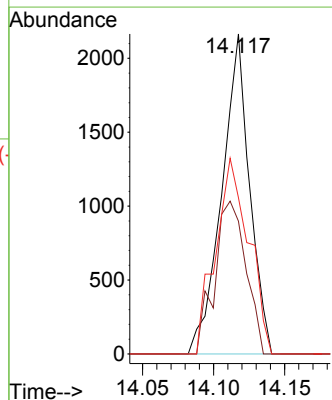
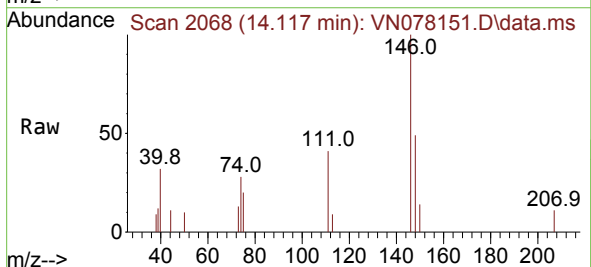


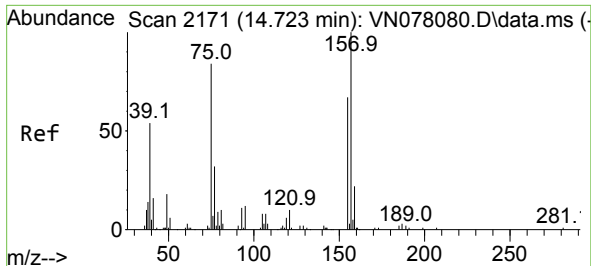
Tgt Ion:146 Resp: 3183
Ion Ratio Lower Upper
146 100
111 42.3 20.6 61.8
148 70.1 31.6 94.8



#91
1,2-Dichlorobenzene
Concen: 0.373 ug/l
RT: 14.117 min Scan# 2068
Delta R.T. 0.006 min
Lab File: VN078151.D
Acq: 09 Jun 2023 17:22

Tgt Ion:146 Resp: 2949
Ion Ratio Lower Upper
146 100
111 53.7 22.0 66.0
148 73.2 31.8 95.3

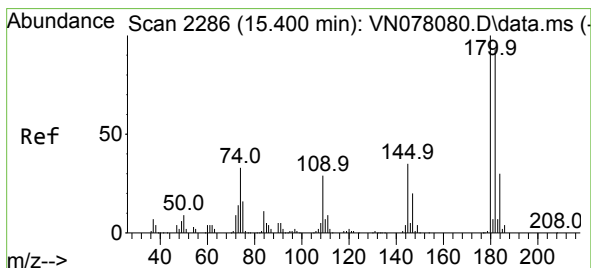
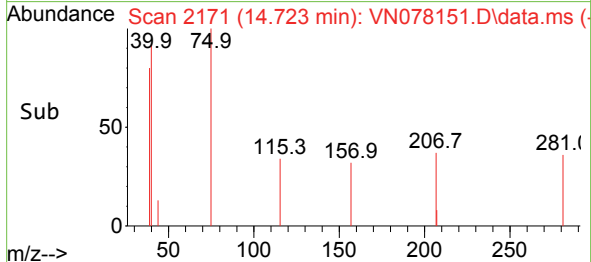
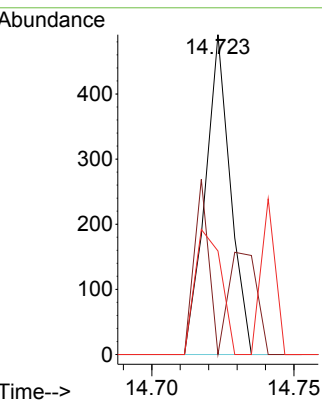
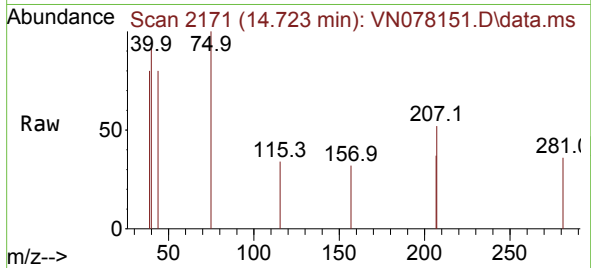




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.295 ug/l
 RT: 14.723 min Scan# 2171
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

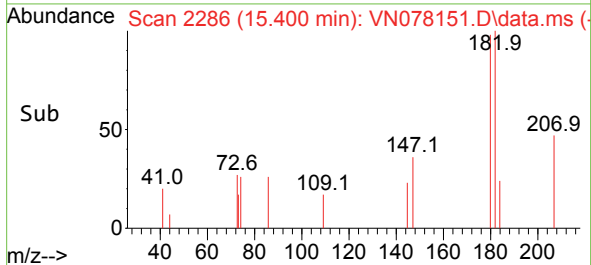
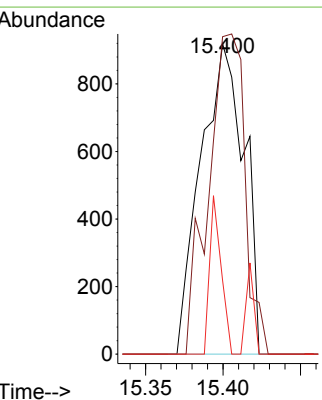
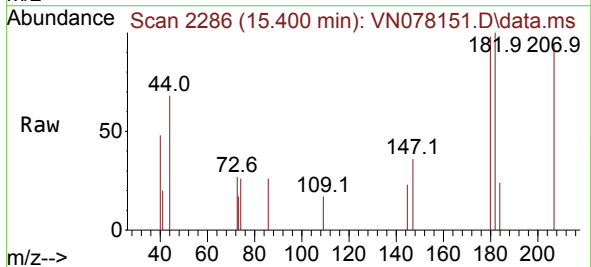
Instrument :
 MSVOA_N
 ClientSampleId :

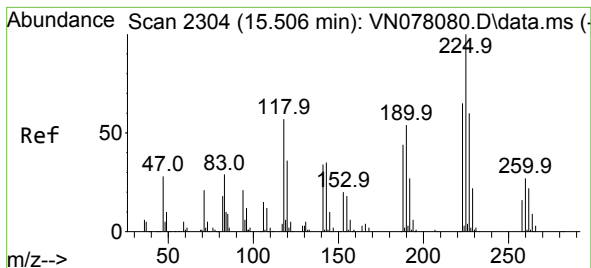
Tgt Ion: 75 Resp: 301
 Ion Ratio Lower Upper
 75 100
 155 31.6 39.1 117.2#
 157 41.2 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.633 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.000 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Tgt Ion: 180 Resp: 1781
 Ion Ratio Lower Upper
 180 100
 182 87.4 46.1 138.2
 145 13.6 16.6 49.8#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

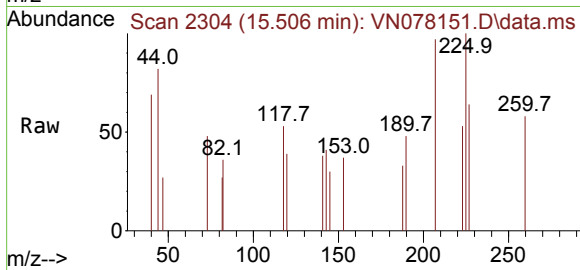
Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

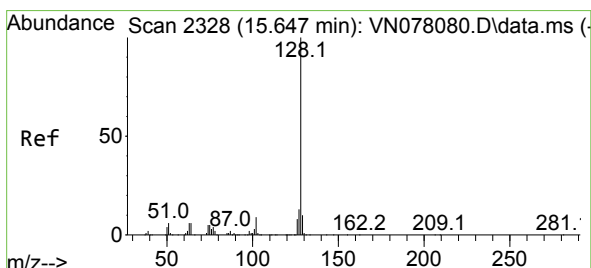
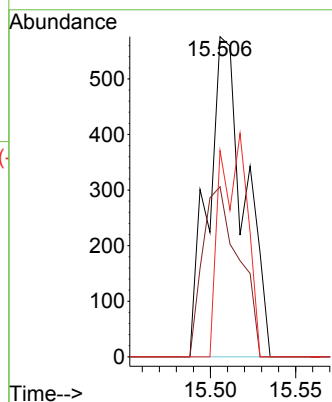
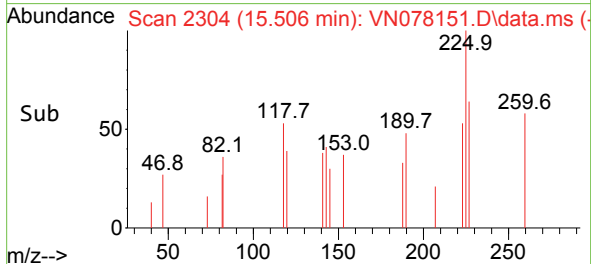
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	850
Ion	Ratio	Lower	Upper
225	100		
223	53.1	31.3	93.8
227	52.4	31.9	95.9



#95

Naphthalene

Concen: 0.633 ug/l

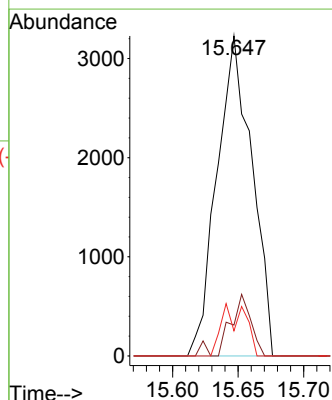
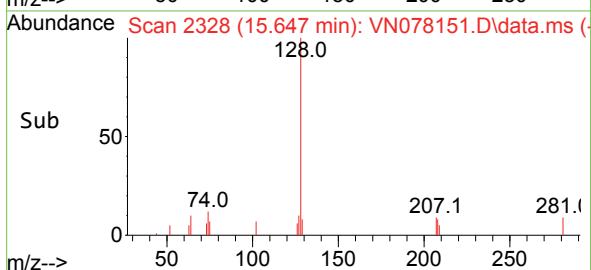
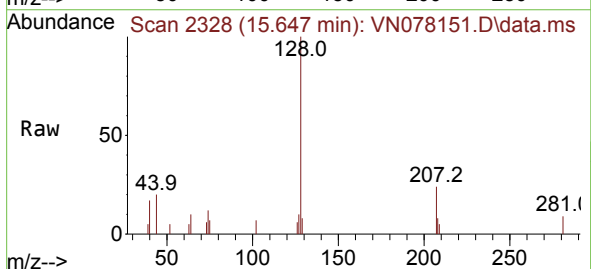
RT: 15.647 min Scan# 2328

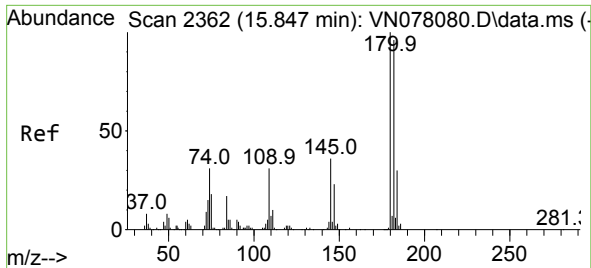
Delta R.T. 0.000 min

Lab File: VN078151.D

Acq: 09 Jun 2023 17:22

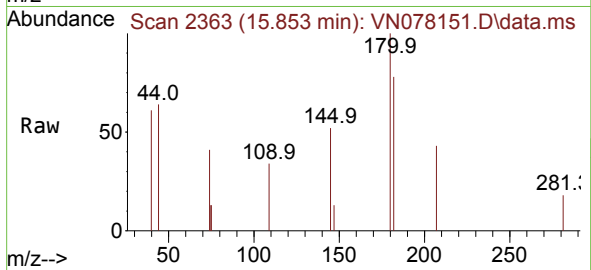
Tgt Ion:	128	Resp:	5989
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.0	15.0
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.601 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN078151.D
 Acq: 09 Jun 2023 17:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1891
Ion	Ratio	Lower	Upper
180	100		
182	101.4	46.2	138.6
145	48.2	17.5	52.6

