

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078266.D
 Acq On : 16 Jun 2023 17:41
 Operator : JC\MD
 Sample : 03282-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 02:26:58 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)

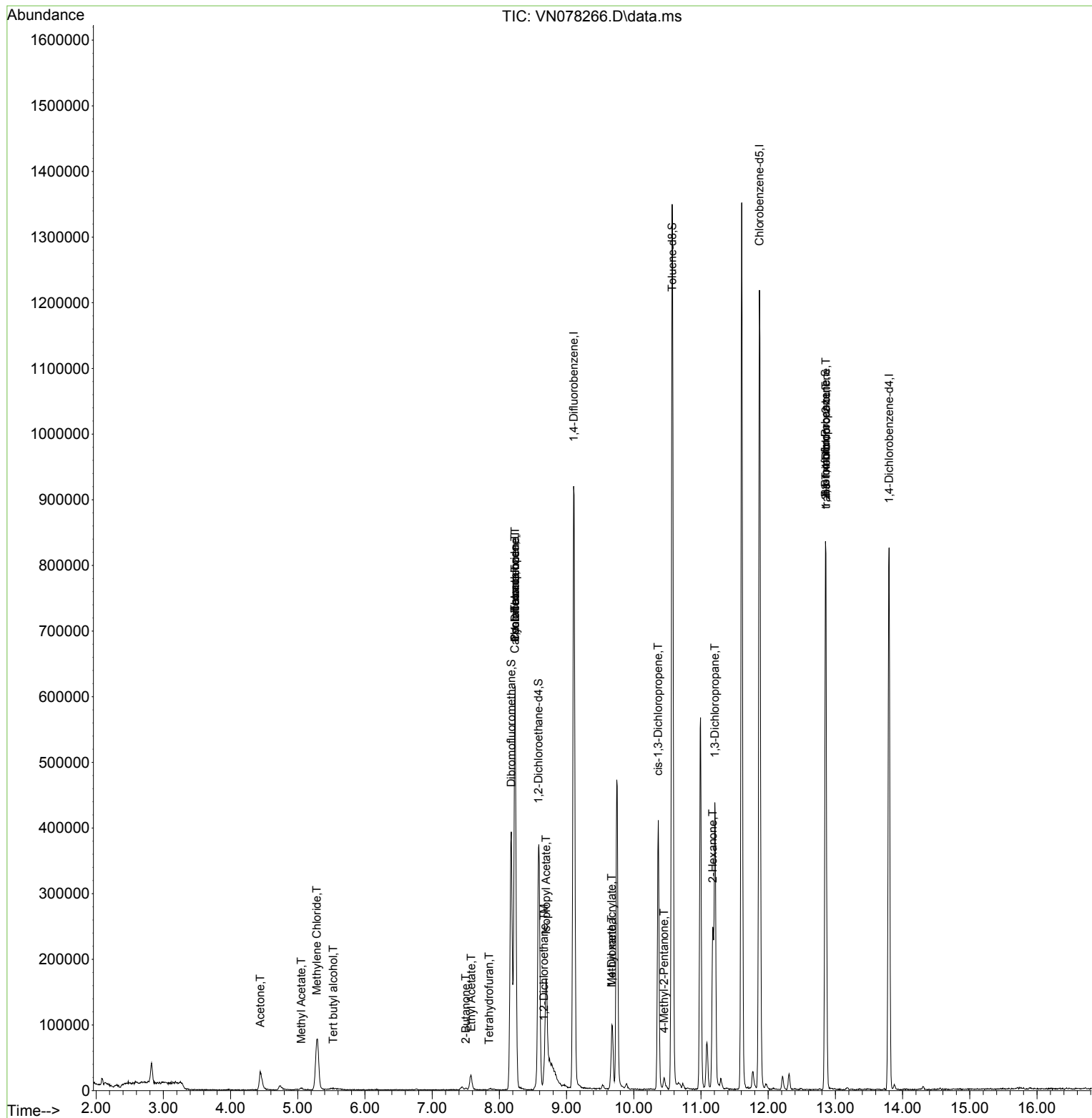
Internal Standards						
1) Pentafluorobenzene	8.235	168	422161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	812097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	732214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	228153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	313608	55.716	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.440%	
35) Dibromofluoromethane	8.177	113	275685	53.690	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	107.380%	
50) Toluene-d8	10.571	98	953149	48.151	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.300%	
62) 4-Bromofluorobenzene	12.853	95	293896	47.758	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	95.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1076	Below Cal	#	42
11) Tert butyl alcohol	5.530	59	503	0.647	ug/l #	72
16) Acetone	4.442	43	52046	32.124	ug/l	95
18) Methyl Acetate	5.053	43	5195	0.696	ug/l	96
20) Methylene Chloride	5.283	84	67510	12.610	ug/l	93
25) 2-Butanone	7.500	43	3557	1.428	ug/l #	64
29) Tetrahydrofuran	7.847	42	767	0.461	ug/l #	43
31) Cyclohexane	8.235	56	11168	1.547	ug/l #	65
36) 1,1-Dichloropropene	8.235	75	37326	5.068	ug/l #	47
37) Ethyl Acetate	7.583	43	31607	5.493	ug/l	97
38) Carbon Tetrachloride	8.230	117	45740	5.881	ug/l #	19
42) 1,2-Dichloroethane	8.665	62	1621	0.215	ug/l #	73
43) Isopropyl Acetate	8.694	43	281587	25.590	ug/l #	68
48) Methyl methacrylate	9.671	41	5841	1.265	ug/l #	32
49) 1,4-Dioxane	9.671	88	119	1.226	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14744	2.545	ug/l #	75
54) cis-1,3-Dichloropropene	10.365	75	74565	8.653	ug/l #	69
57) 1,3-Dichloropropane	11.206	76	5135	0.579	ug/l #	44
59) 2-Hexanone	11.176	43	241308	59.809	ug/l #	19
71) Bromoform	12.853	173	2906	0.781	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.965	83	97	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	159595	29.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	159595	90.909	ug/l #	15

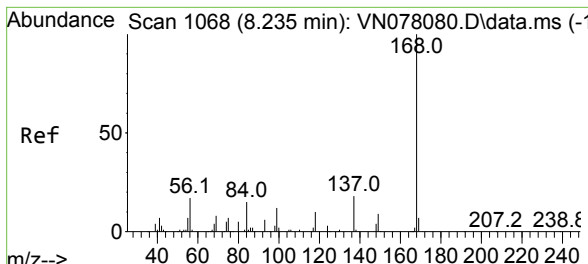
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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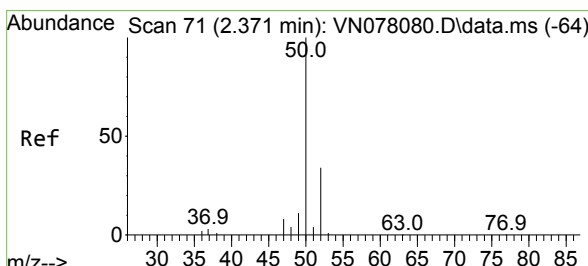
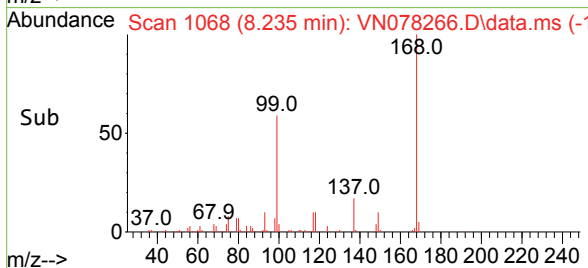
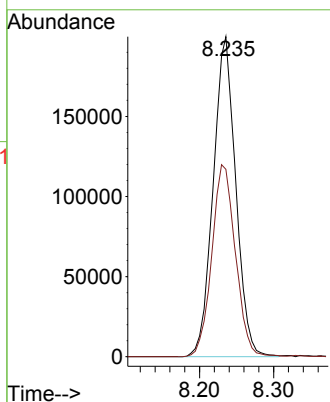
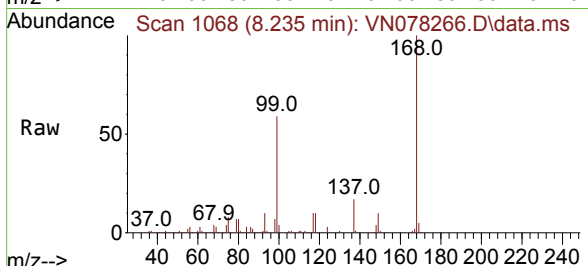




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

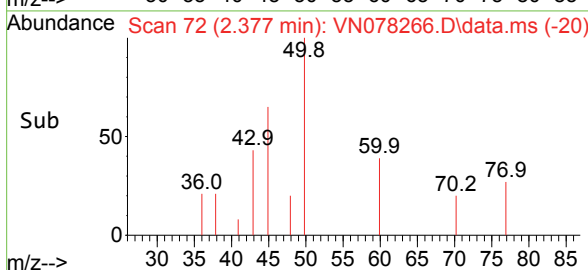
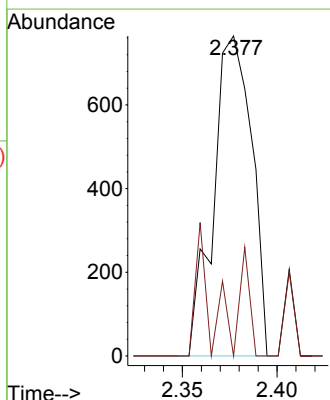
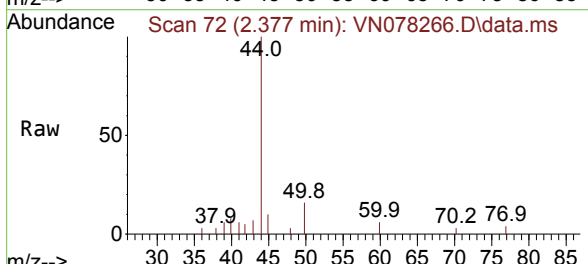
Instrument :
MSVOA_N
ClientSampleId :

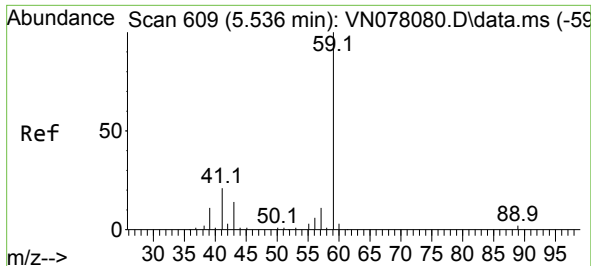
Tgt Ion:168 Resp: 422161
Ion Ratio Lower Upper
168 100
99 58.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 50 Resp: 1076
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

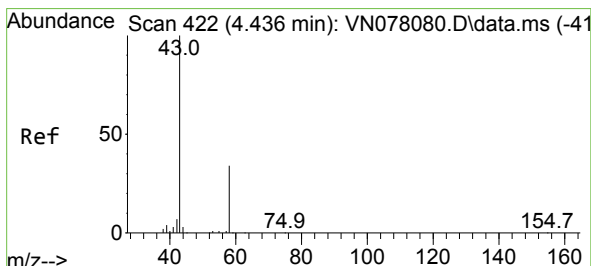
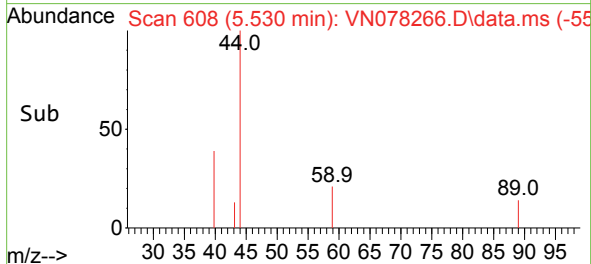
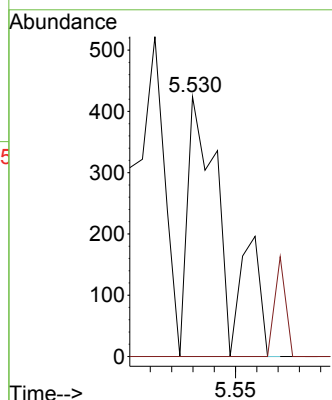
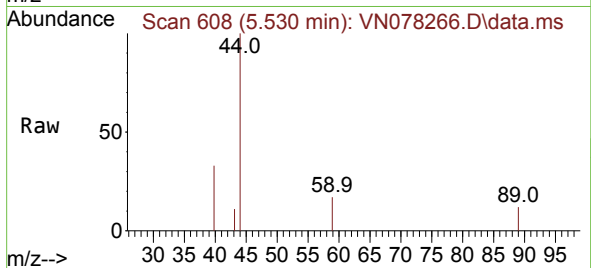




#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

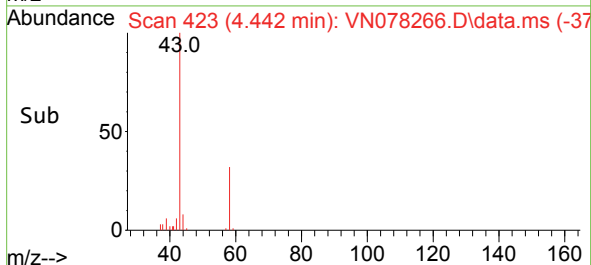
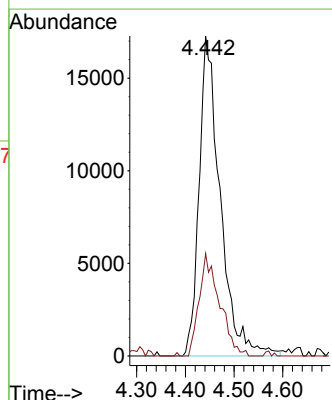
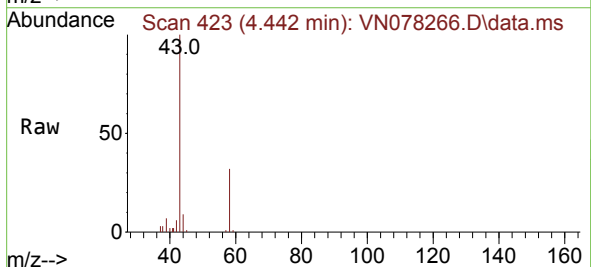
Instrument :
MSVOA_N
ClientSampleId :

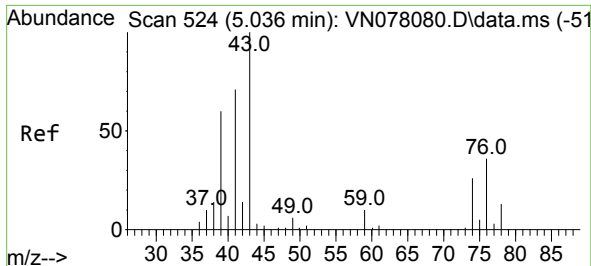
Tgt Ion: 59 Resp: 503
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 32.124 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 43 Resp: 52046
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0

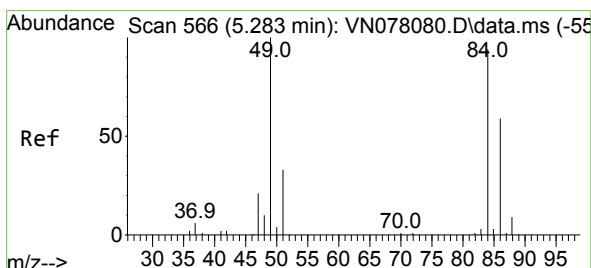
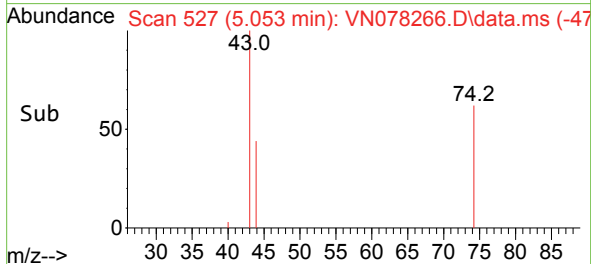
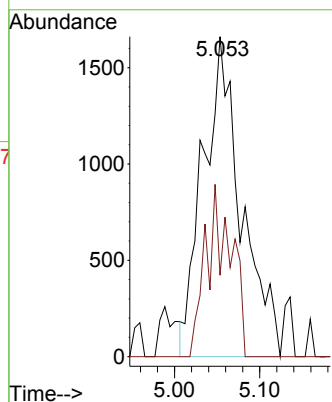
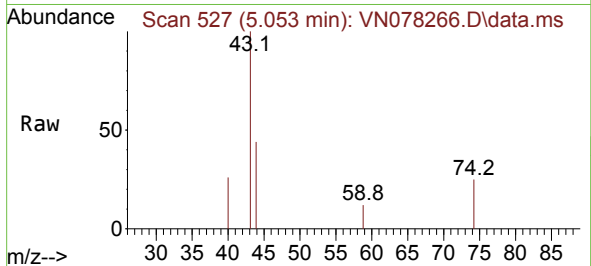




#18
Methyl Acetate
Concen: 0.696 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

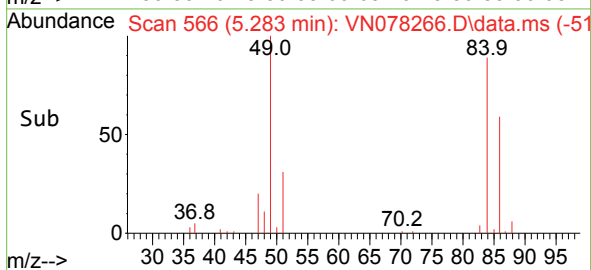
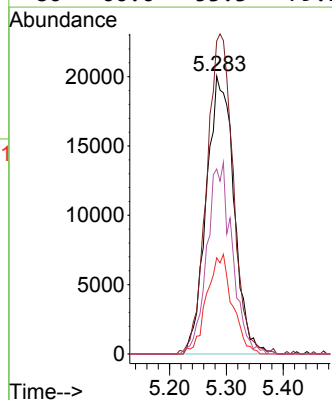
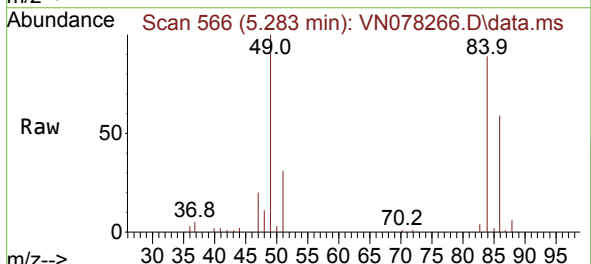
Instrument :
MSVOA_N
ClientSampleId :

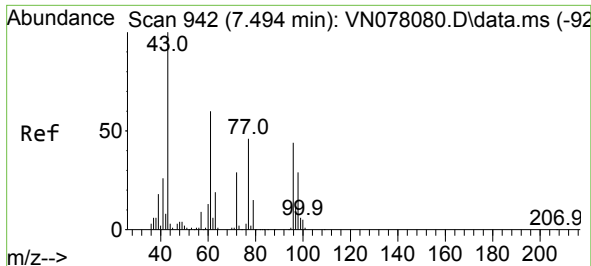
Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
74 35.0 26.2 39.4



#20
Methylene Chloride
Concen: 12.610 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

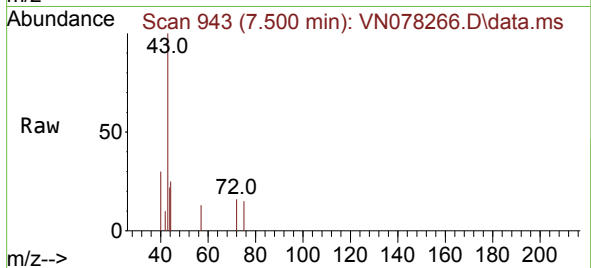
Tgt Ion: 84 Resp: 67510
Ion Ratio Lower Upper
84 100
49 112.7 79.7 119.5
51 34.6 25.2 37.8
86 66.6 53.3 79.9



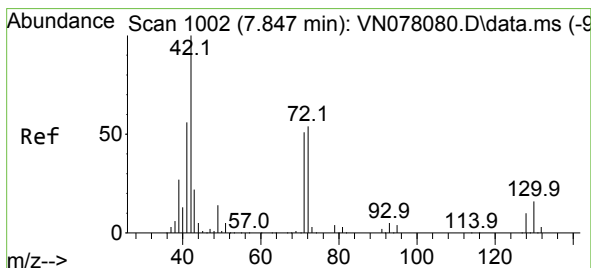
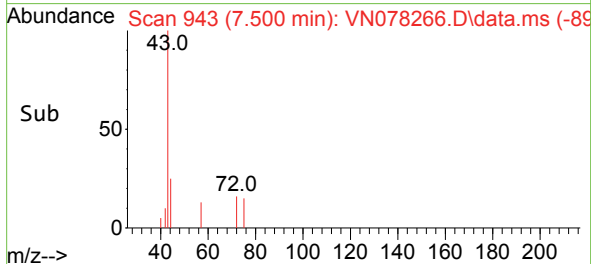
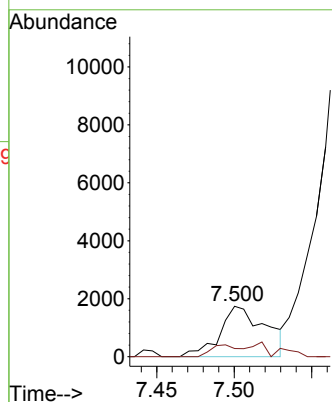


#25
2-Butanone
Concen: 1.428 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :

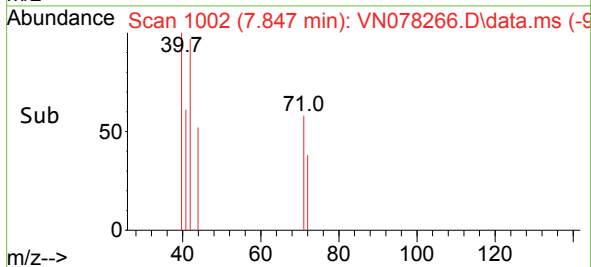
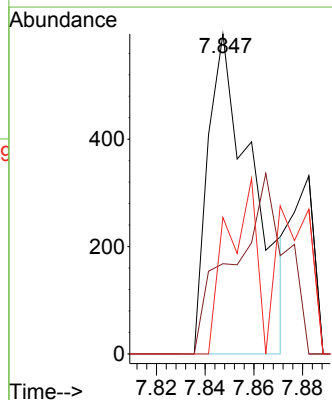
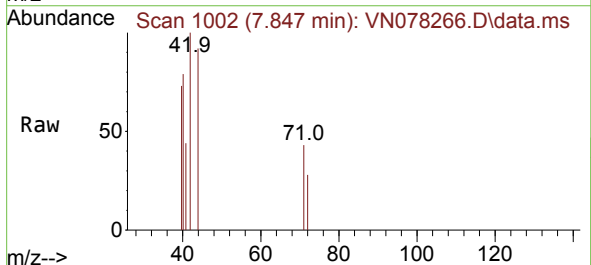


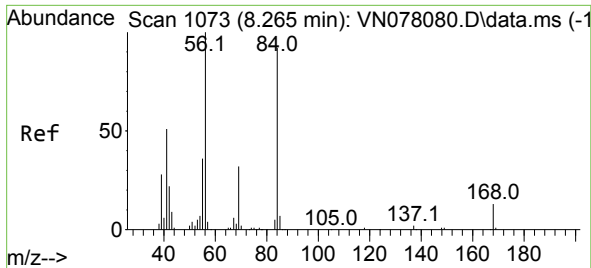
Tgt Ion: 43 Resp: 3557
Ion Ratio Lower Upper
43 100
72 16.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.461 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

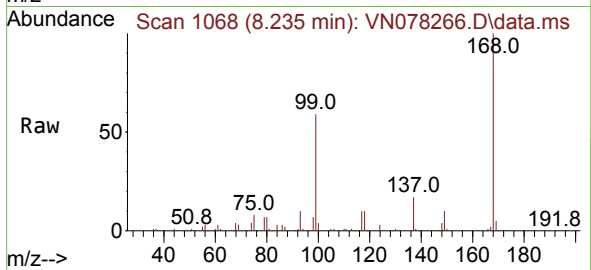
Tgt Ion: 42 Resp: 767
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 35.3 47.4 71.2#



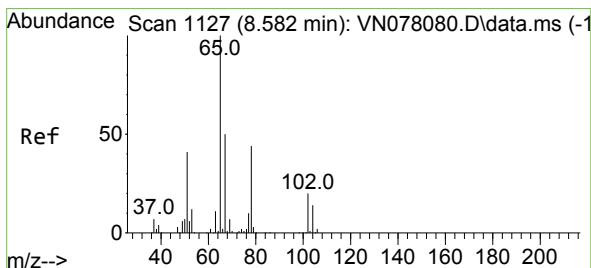
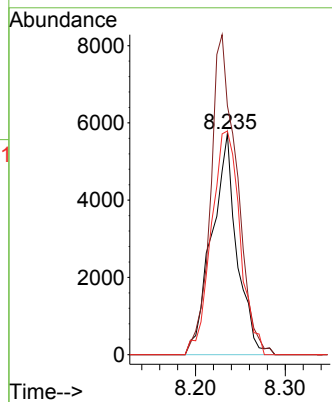
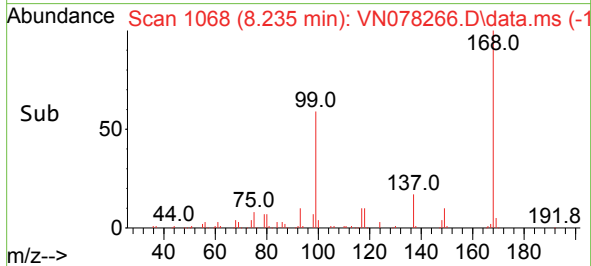


#31
Cyclohexane
Concen: 1.547 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :

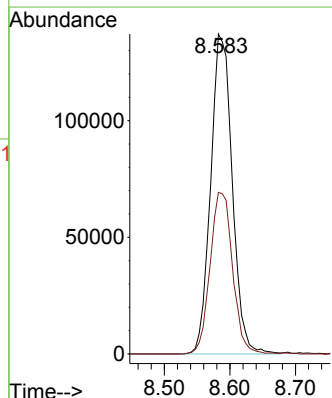
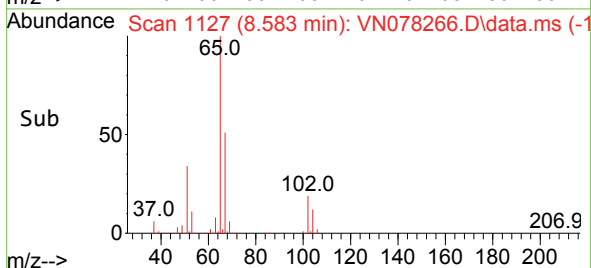
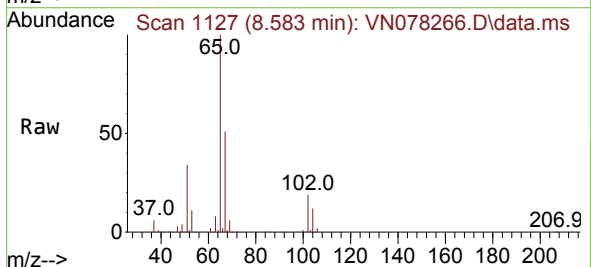


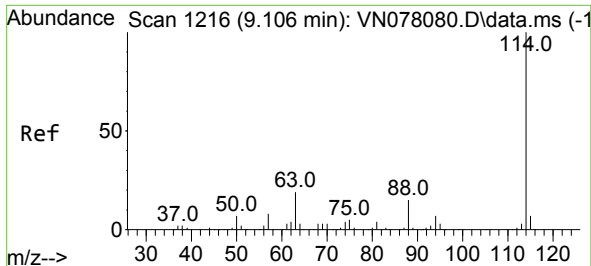
Tgt Ion: 56 Resp: 11168
Ion Ratio Lower Upper
56 100
69 112.6 26.8 40.2#
84 101.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.716 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 65 Resp: 313608
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

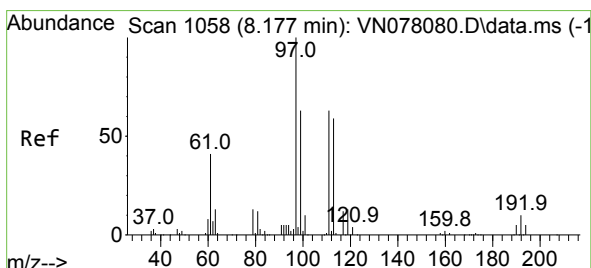
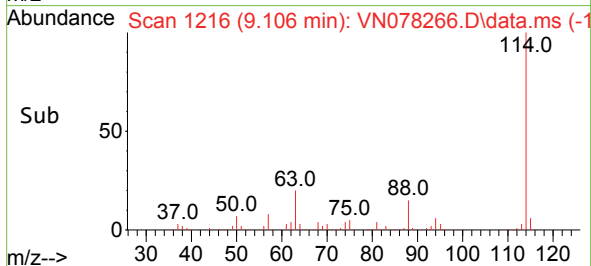
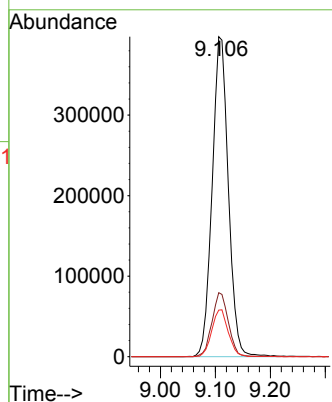
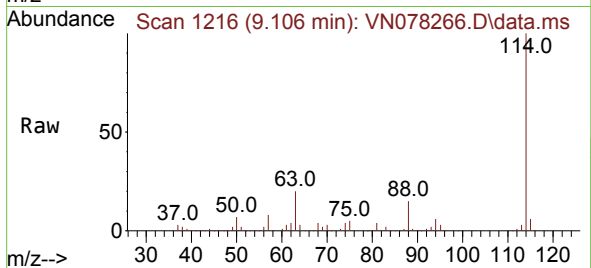
Tgt Ion:114 Resp: 812097

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.690 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

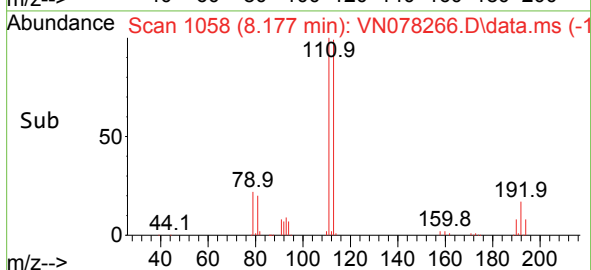
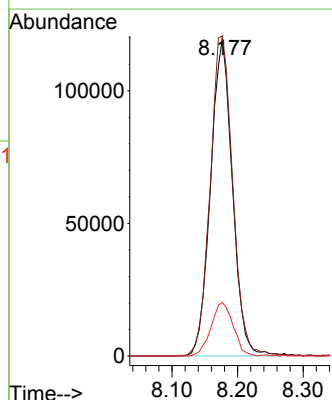
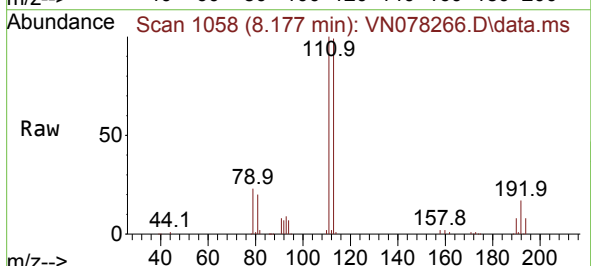
Tgt Ion:113 Resp: 275685

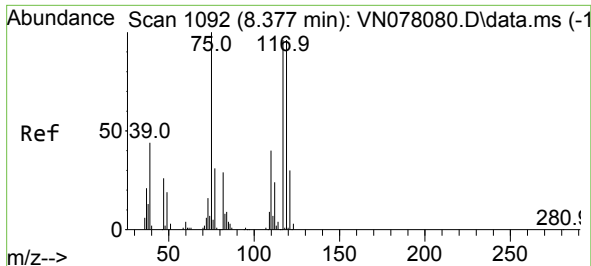
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 17.2 12.7 19.1

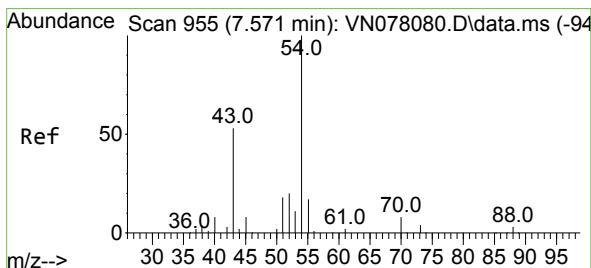
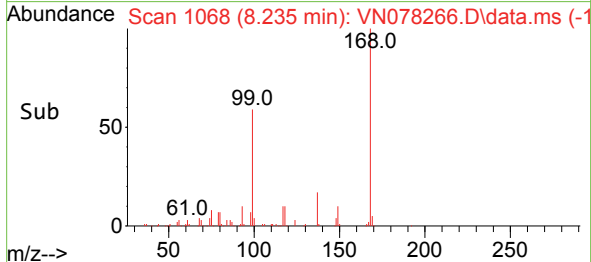
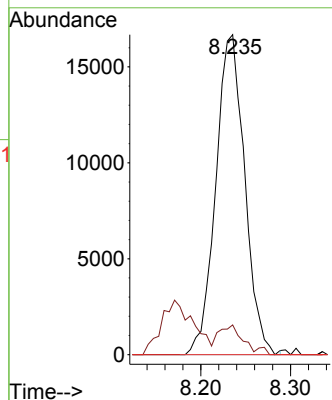
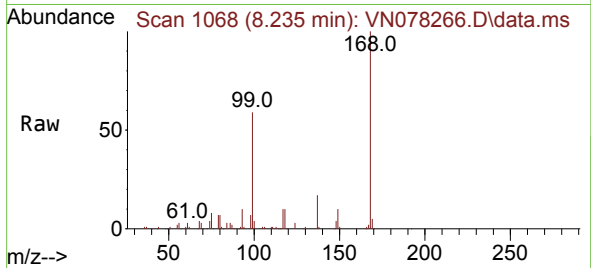




#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

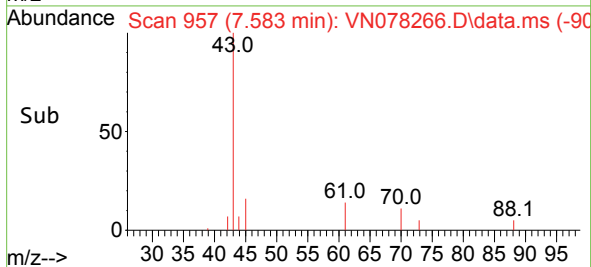
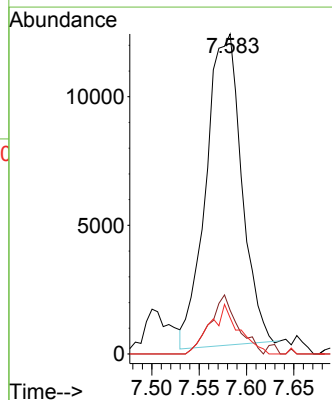
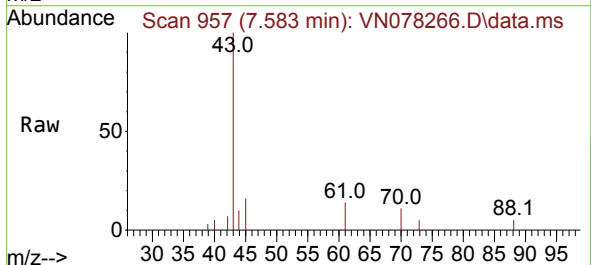
Instrument :
MSVOA_N
ClientSampleId :

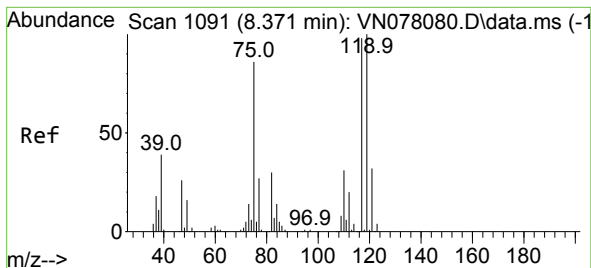
Tgt Ion: 75 Resp: 37326
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 5.493 ug/l
RT: 7.583 min Scan# 957
Delta R.T. 0.012 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 43 Resp: 31607
Ion Ratio Lower Upper
43 100
61 14.8 13.2 19.8
70 13.0 11.3 16.9





#38

Carbon Tetrachloride

Concen: 5.881 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.141 min

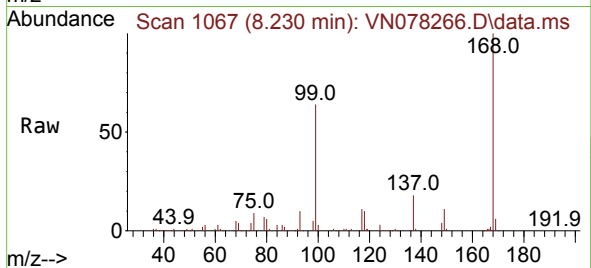
Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :



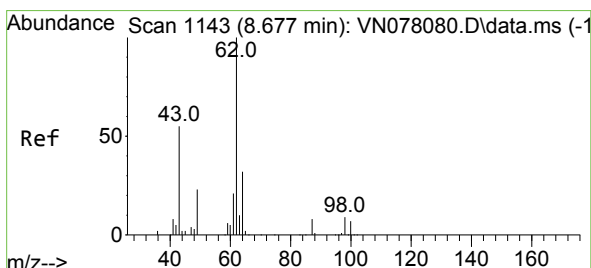
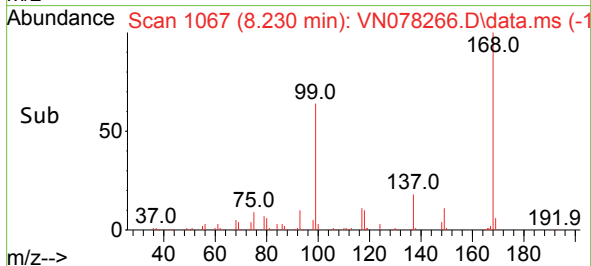
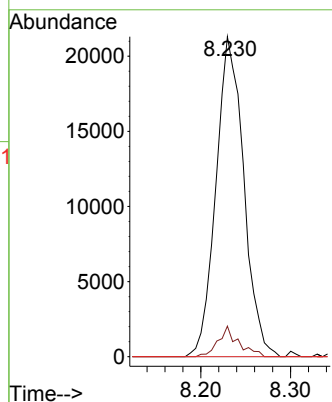
Tgt Ion:117 Resp: 45740

Ion Ratio Lower Upper

117 100

119 9.6 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.012 min

Lab File: VN078266.D

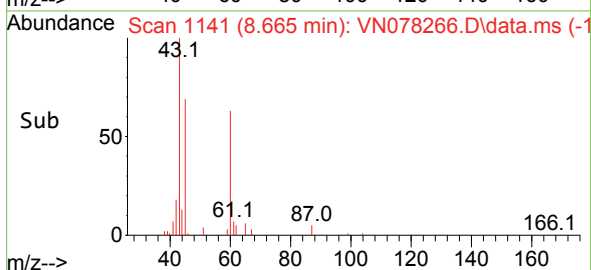
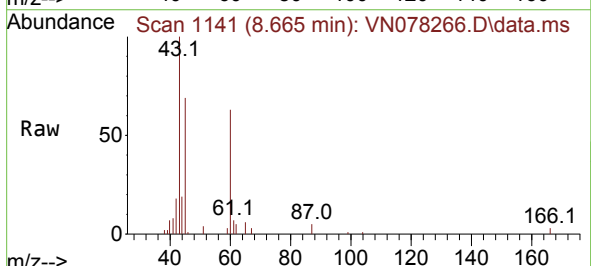
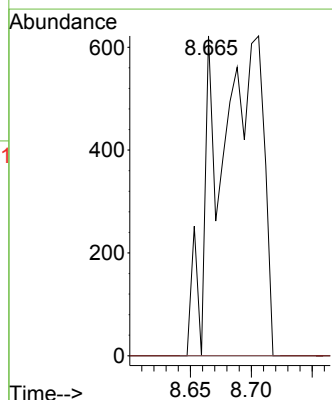
Acq: 16 Jun 2023 17:41

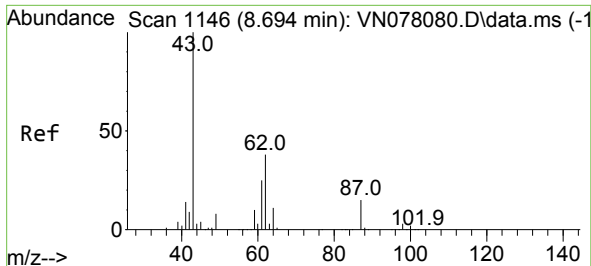
Tgt Ion: 62 Resp: 1621

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

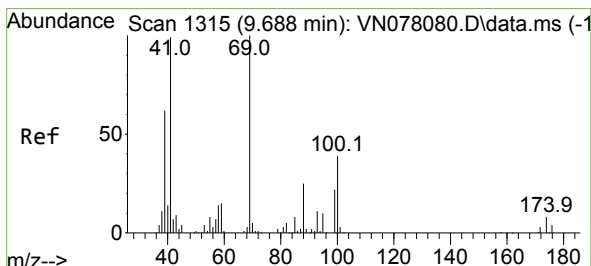
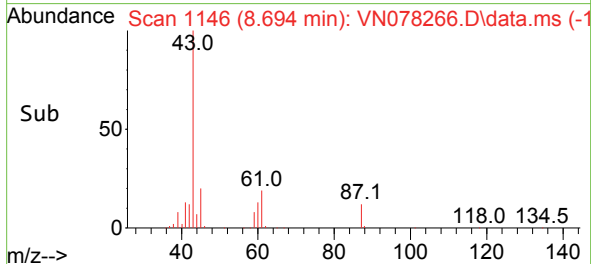
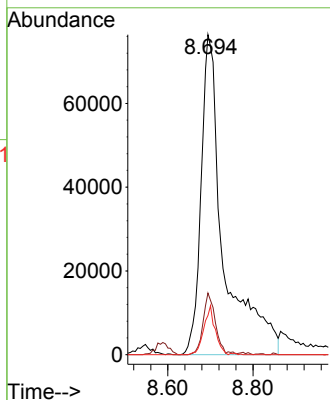
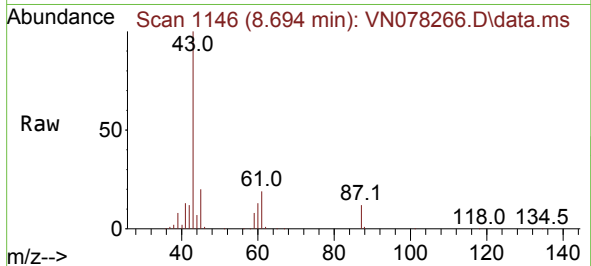




#43
Isopropyl Acetate
Concen: 25.590 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

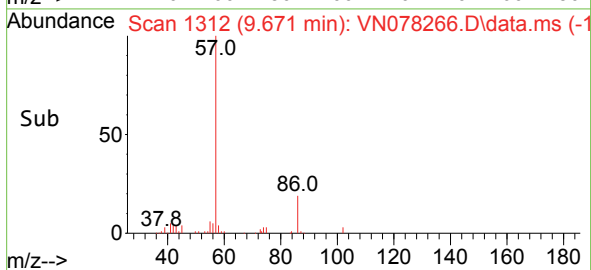
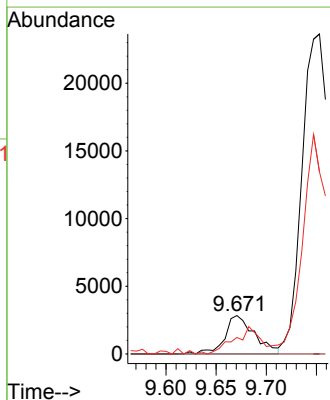
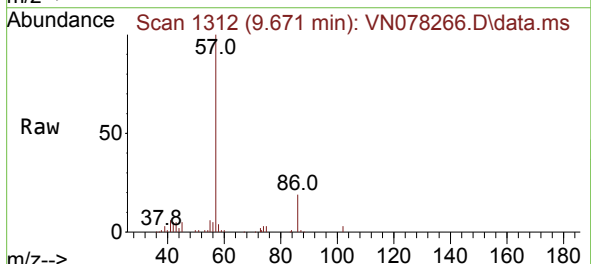
Instrument :
MSVOA_N
ClientSampleId :

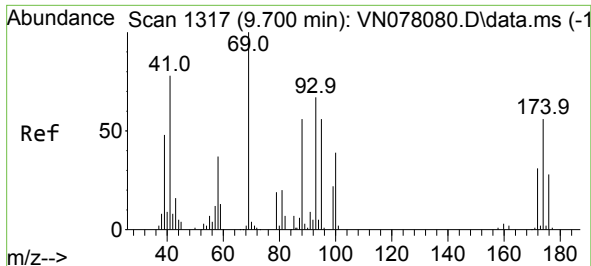
Tgt Ion: 43 Resp: 281587
Ion Ratio Lower Upper
43 100
61 10.6 24.7 37.1#
87 7.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.265 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 41 Resp: 5841
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 63.6 54.6 81.8





#49

1,4-Dioxane

Concen: 1.226 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

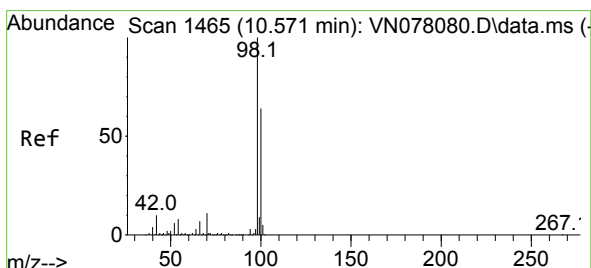
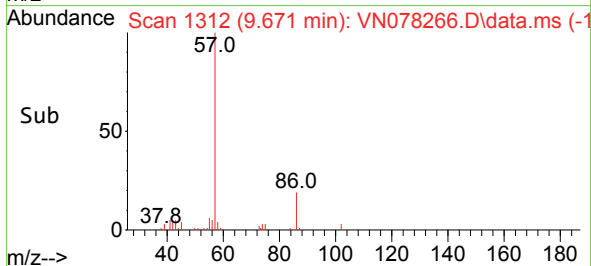
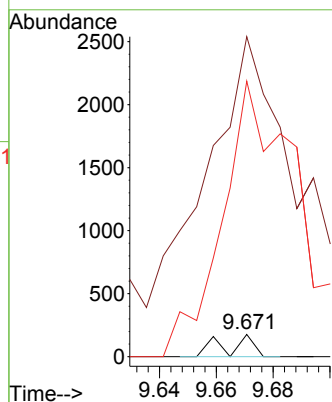
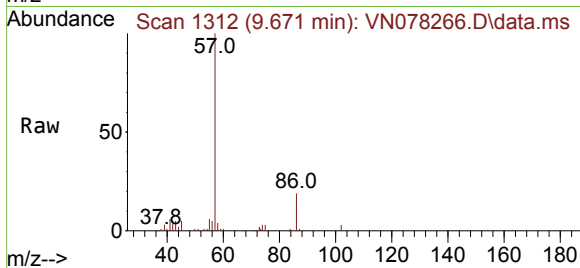
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 88 Resp: 119

Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.0	25.6#
58	3503.4	47.0	70.4#



#50

Toluene-d8

Concen: 48.151 ug/l

RT: 10.571 min Scan# 1465

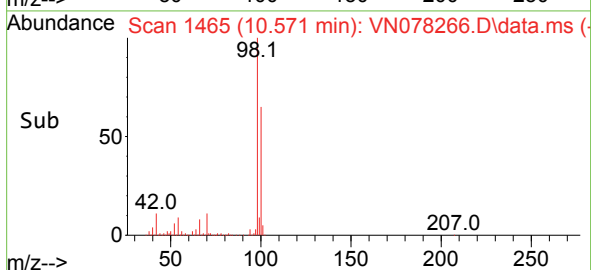
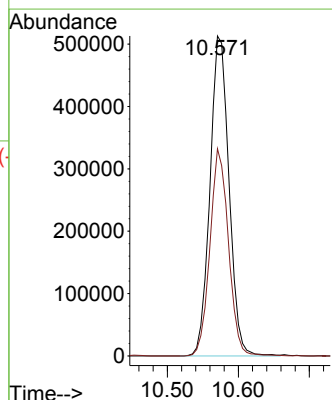
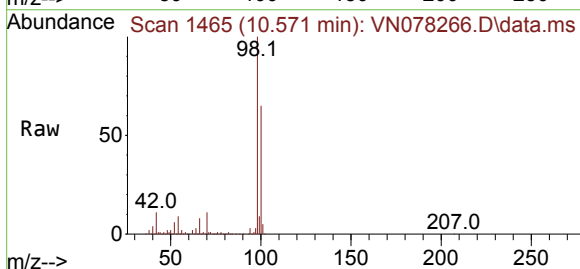
Delta R.T. 0.000 min

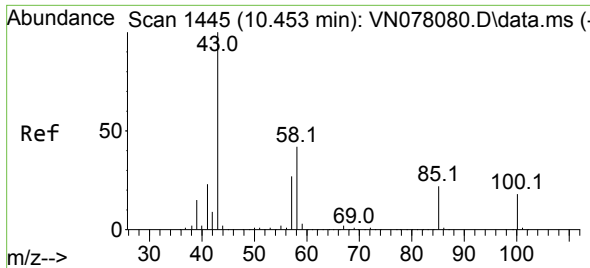
Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

Tgt Ion: 98 Resp: 953149

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.0	78.0

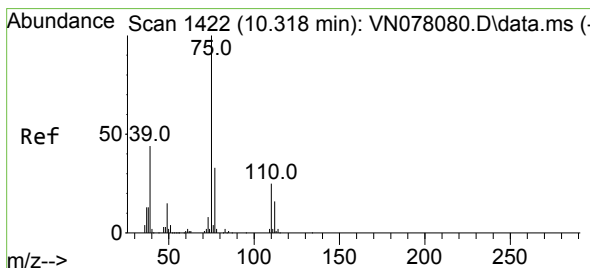
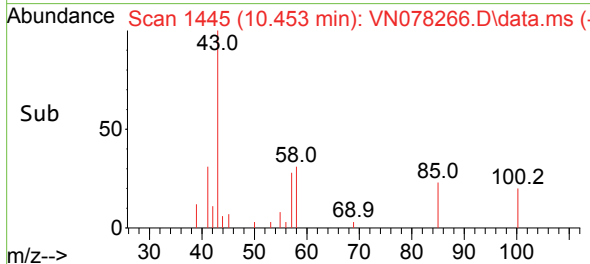
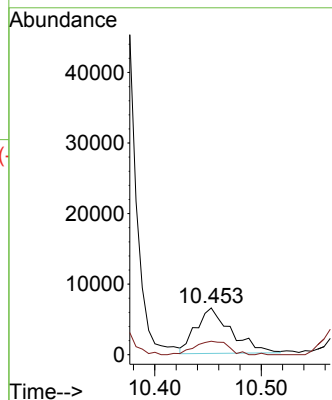
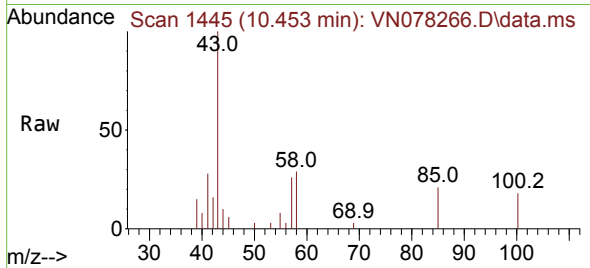




#51
4-Methyl-2-Pentanone
Concen: 2.545 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

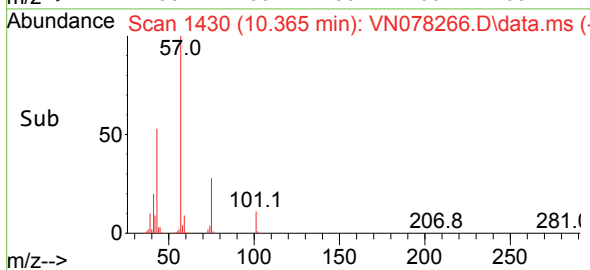
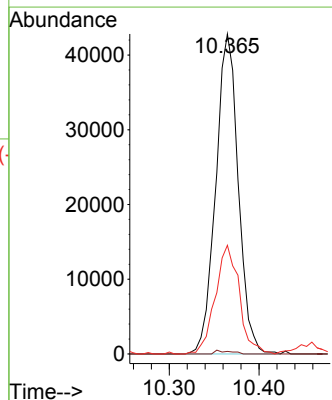
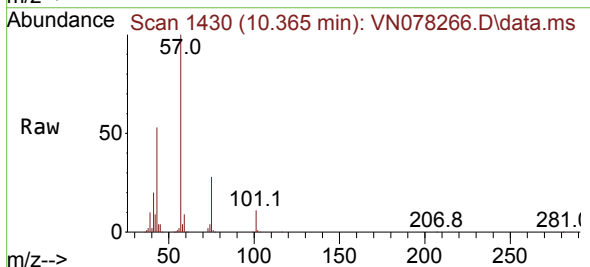
Instrument :
MSVOA_N
ClientSampleId :

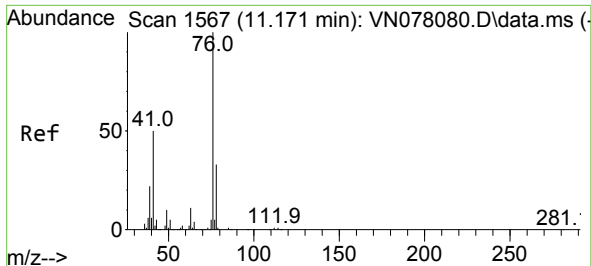
Tgt Ion: 43 Resp: 14744
Ion Ratio Lower Upper
43 100
58 28.9 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 8.653 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion: 75 Resp: 74565
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 34.0 31.6 47.4





#57

1,3-Dichloropropane

Concen: 0.579 ug/l

RT: 11.206 min Scan# 1568

Delta R.T. 0.035 min

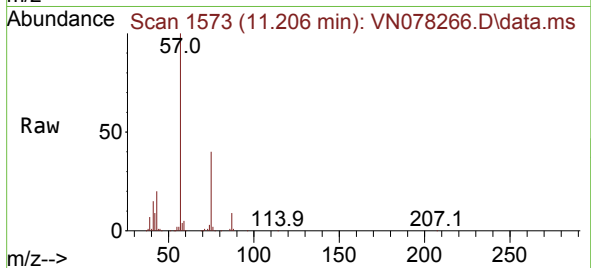
Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

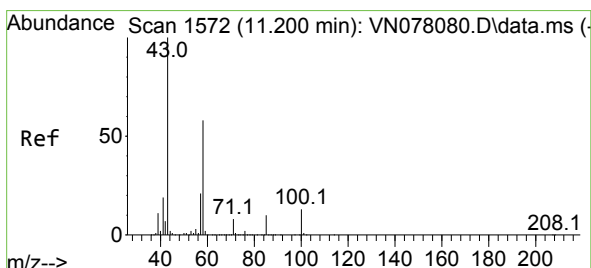
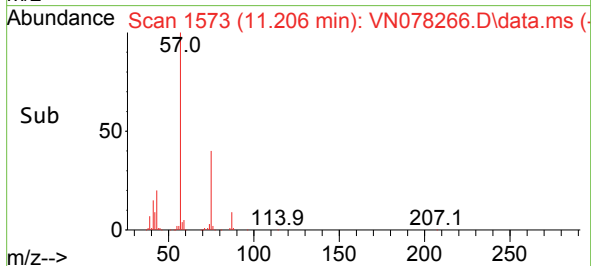
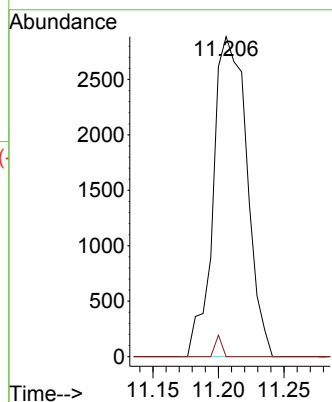


Tgt Ion: 76 Resp: 5135

Ion Ratio Lower Upper

76 100

78 1.3 26.1 39.1#



#59

2-Hexanone

Concen: 59.809 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078266.D

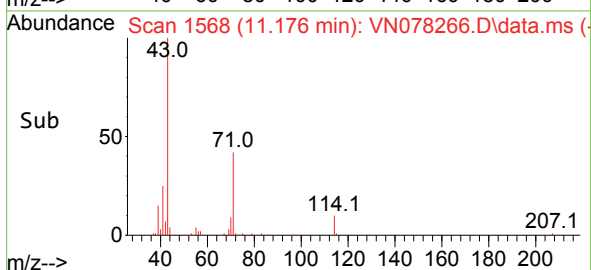
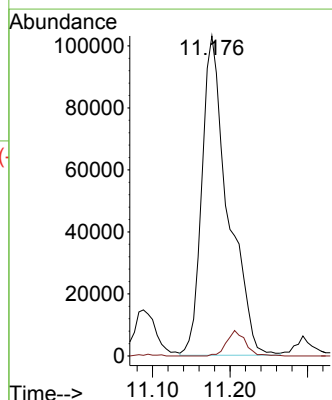
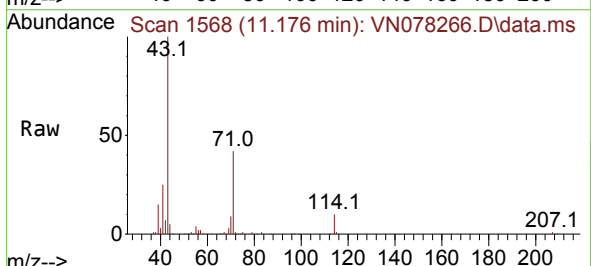
Acq: 16 Jun 2023 17:41

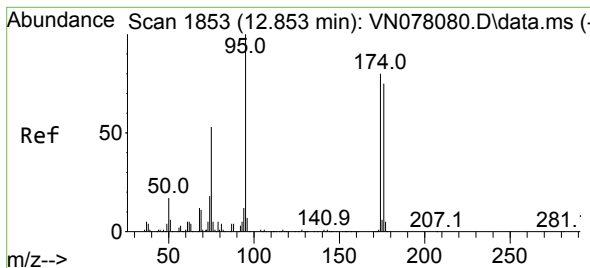
Tgt Ion: 43 Resp: 241308

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

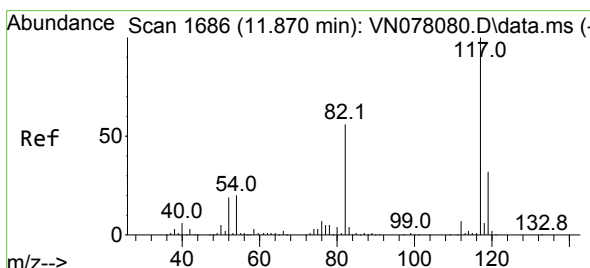
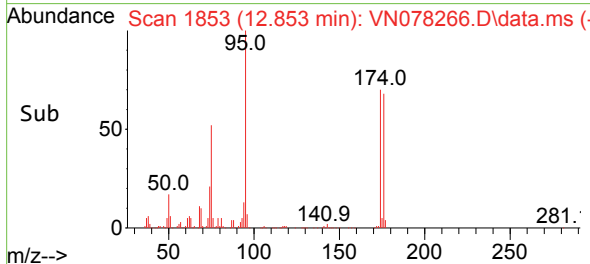
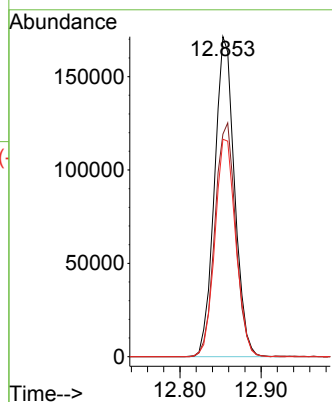
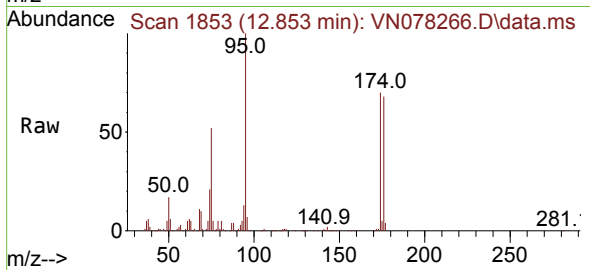




#62
4-Bromofluorobenzene
Concen: 47.758 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

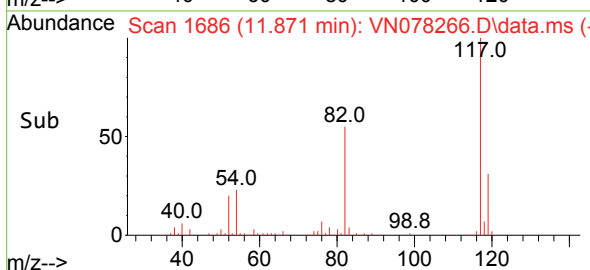
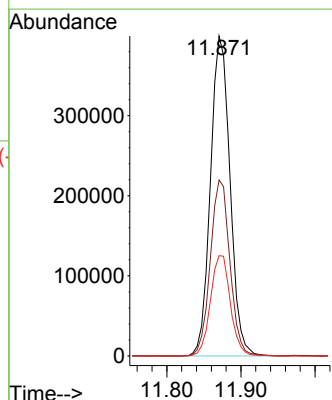
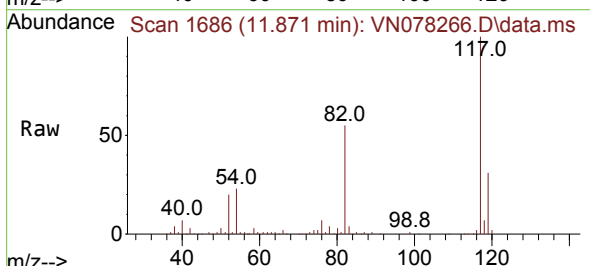
Instrument :
MSVOA_N
ClientSampleId :

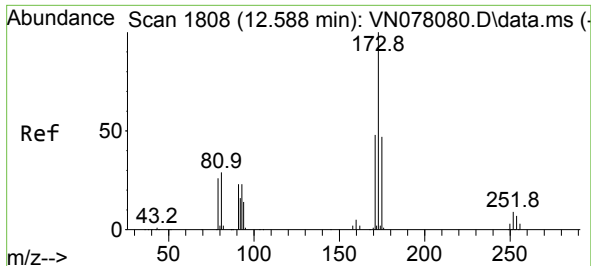
Tgt Ion: 95 Resp: 293896
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

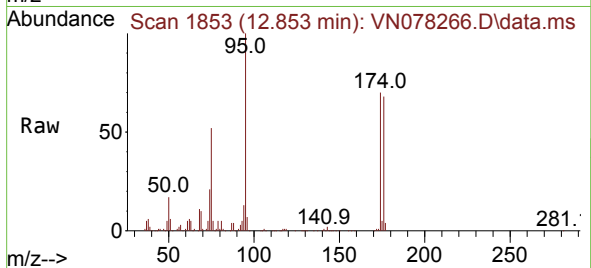
Tgt Ion: 117 Resp: 732214
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 31.4 25.6 38.4



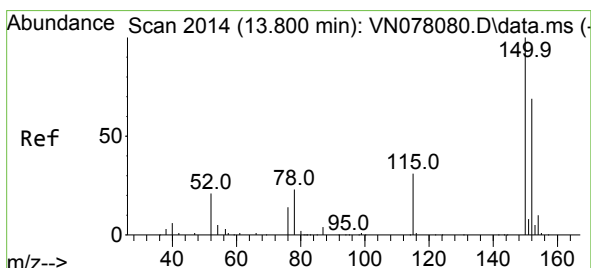
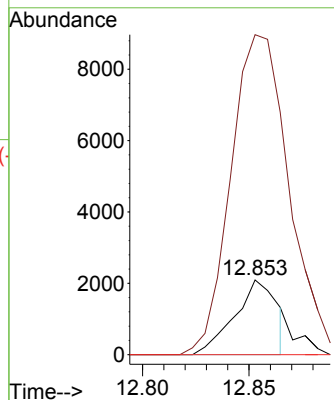
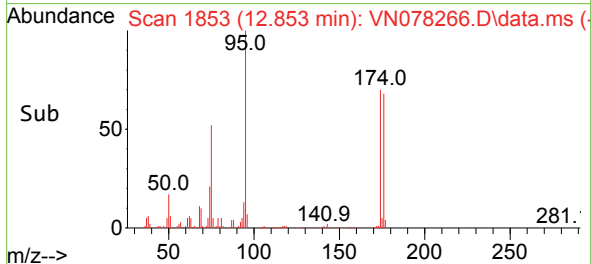


#71
Bromoform
Concen: 0.781 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :

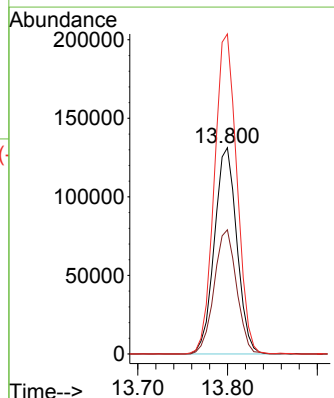
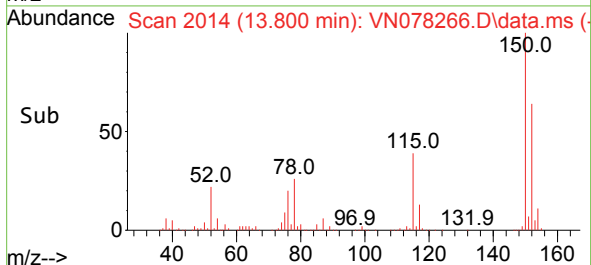
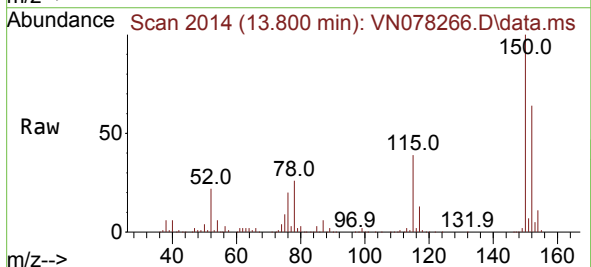


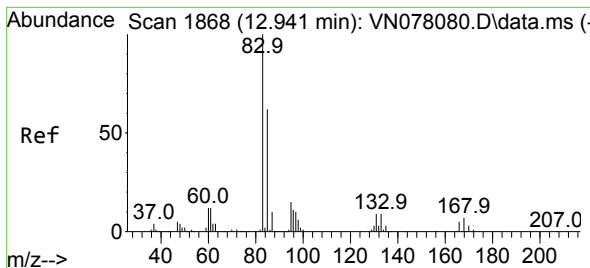
Tgt Ion:173 Resp: 2906
Ion Ratio Lower Upper
173 100
175 490.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078266.D
Acq: 16 Jun 2023 17:41

Tgt Ion:152 Resp: 228153
Ion Ratio Lower Upper
152 100
115 60.1 32.3 96.8
150 155.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.965 min Scan# 1854

Delta R.T. 0.024 min

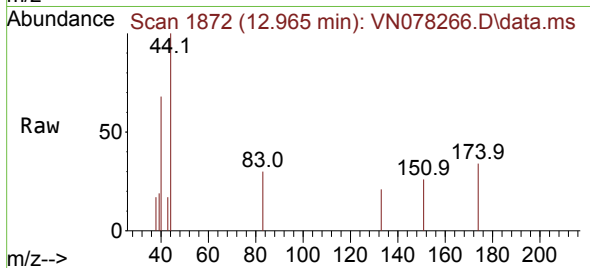
Lab File: VN078266.D

Acq: 16 Jun 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :



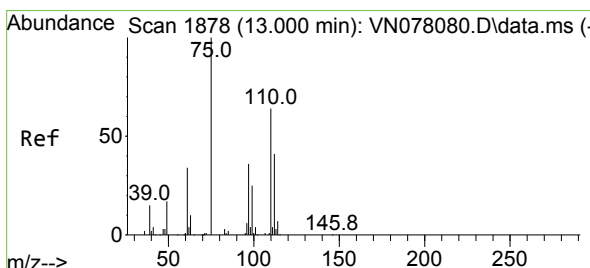
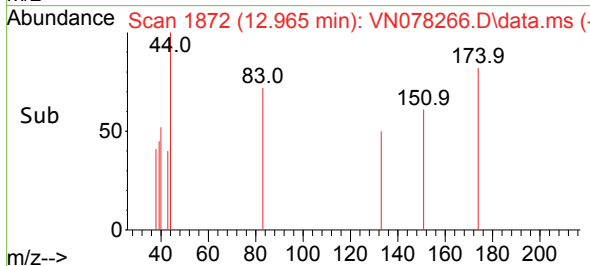
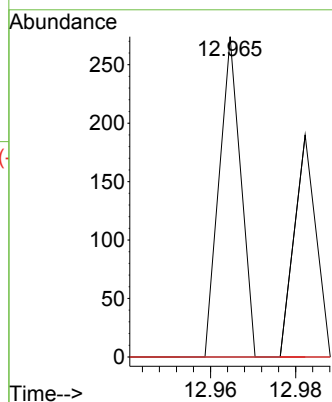
Tgt Ion: 83 Resp: 97

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: 29.590 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078266.D

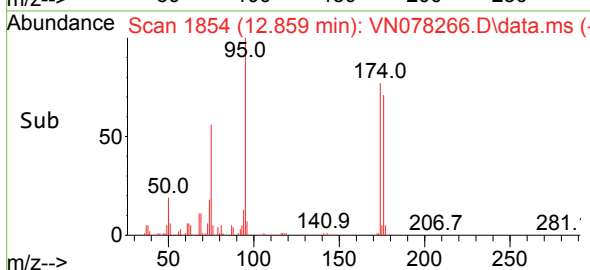
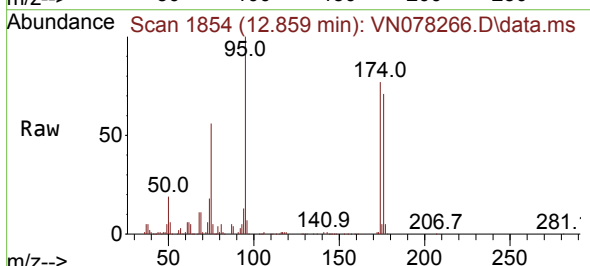
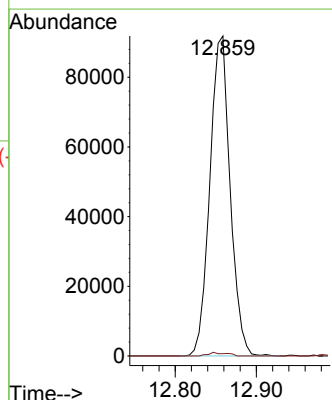
Acq: 16 Jun 2023 17:41

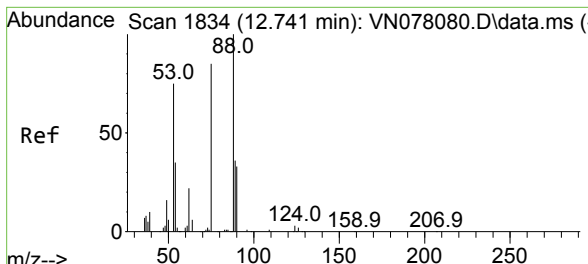
Tgt Ion: 75 Resp: 159595

Ion Ratio Lower Upper

75 100

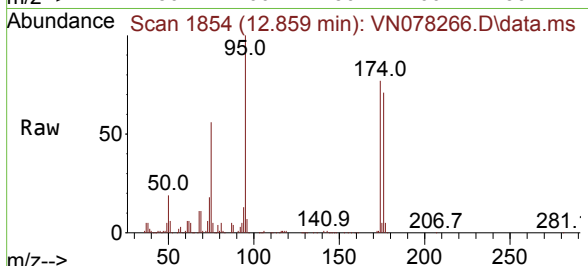
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.909 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078266.D
 Acq: 16 Jun 2023 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 159595
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

