

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079069.D
 Acq On : 28 Aug 2023 16:07
 Operator : JC\MD
 Sample : 04170-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:06:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

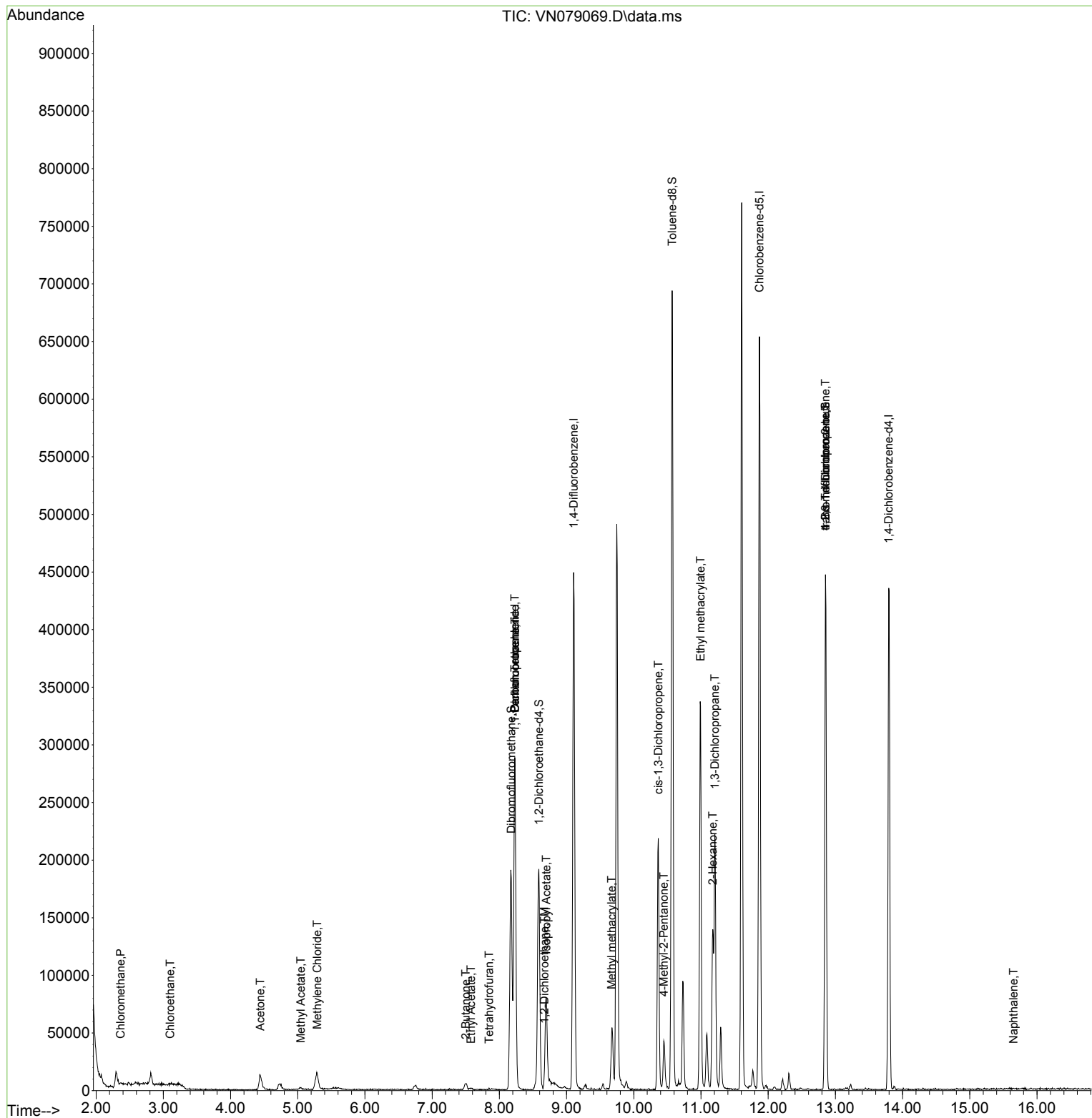
Internal Standards						
1) Pentafluorobenzene	8.229	168	206338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	380696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	368244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	158420	49.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.680%		
35) Dibromofluoromethane	8.177	113	135486	52.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.740%		
50) Toluene-d8	10.570	98	470408	49.437	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.880%		
62) 4-Bromofluorobenzene	12.853	95	148122	47.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.240%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	953	0.238	ug/l #	42
6) Chloroethane	3.100	64	835	0.341	ug/l #	43
16) Acetone	4.441	43	24362	18.389	ug/l	91
18) Methyl Acetate	5.047	43	2464	0.440	ug/l #	72
20) Methylene Chloride	5.288	84	10013	3.547	ug/l #	61
25) 2-Butanone	7.500	43	9927	4.674	ug/l #	76
29) Tetrahydrofuran	7.847	42	310	0.220	ug/l #	20
31) Cyclohexane	8.229	56	5631	Below Cal	#	22
36) 1,1-Dichloropropene	8.235	75	18092	4.693	ug/l #	50
37) Ethyl Acetate	7.577	43	3148	0.730	ug/l #	66
38) Carbon Tetrachloride	8.229	117	21027	5.444	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	929	0.218	ug/l #	73
43) Isopropyl Acetate	8.700	43	104180	13.666	ug/l #	77
48) Methyl methacrylate	9.671	41	3765	1.090	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	33195	7.342	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	34998	7.293	ug/l #	73
56) Ethyl methacrylate	10.994	69	1487	0.342	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2453	0.489	ug/l #	42
59) 2-Hexanone	11.176	43	147683	45.096	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	80824	28.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	80824	73.196	ug/l #	15
95) Naphthalene	15.653	128	746	2.706	ug/l #	80

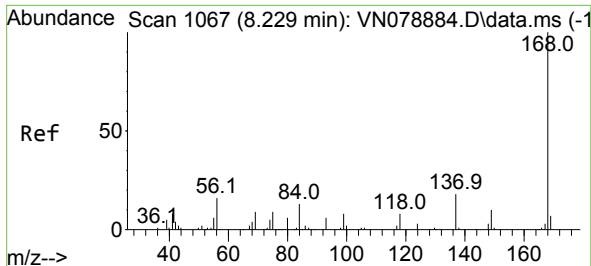
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN079069.D
Acq On : 28 Aug 2023 16:07
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Sample : 04170-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

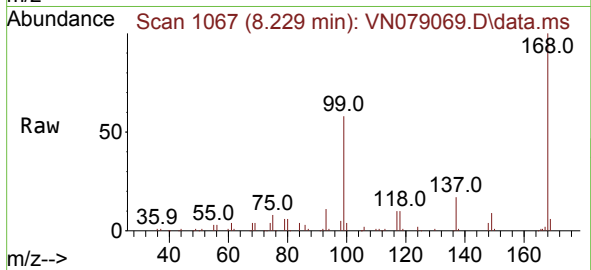
Quant Time: Aug 29 04:06:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



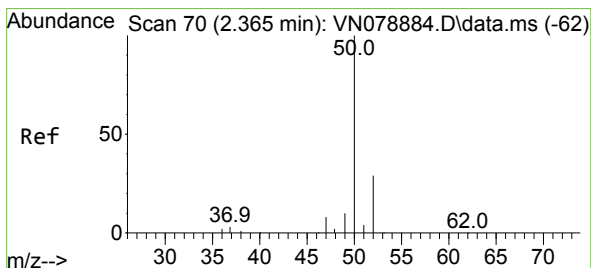
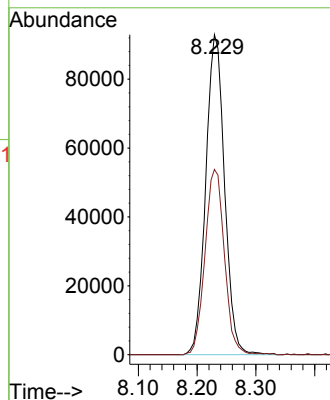
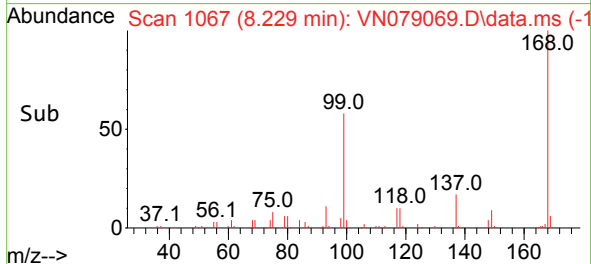


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

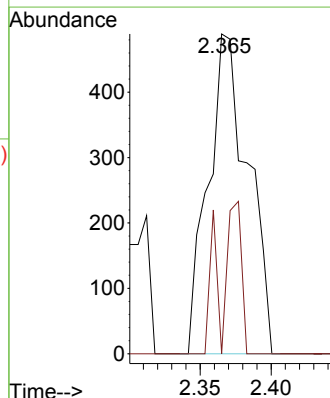
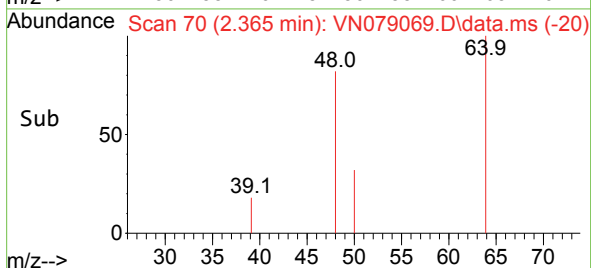
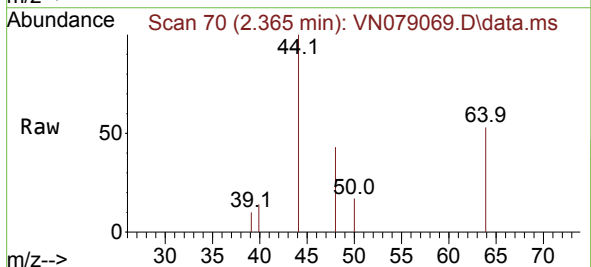


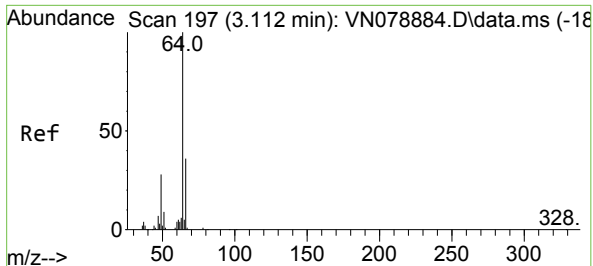
Tgt Ion:168 Resp: 206338
Ion Ratio Lower Upper
168 100
99 57.9 53.0 79.6



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Tgt Ion: 50 Resp: 953
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

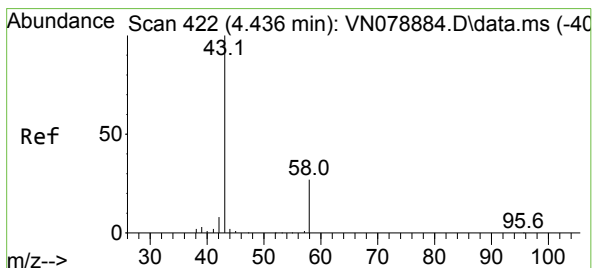
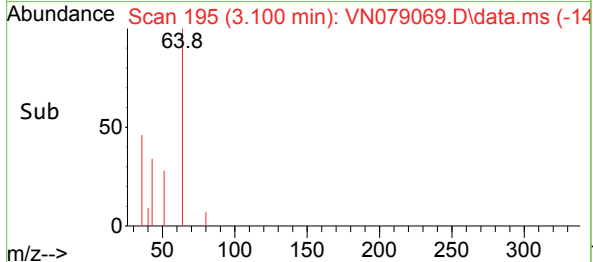
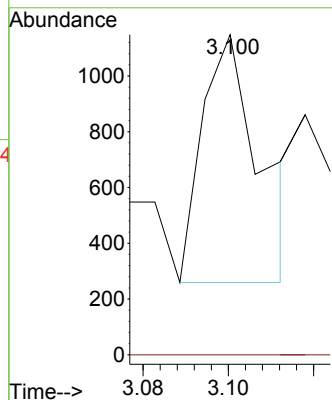
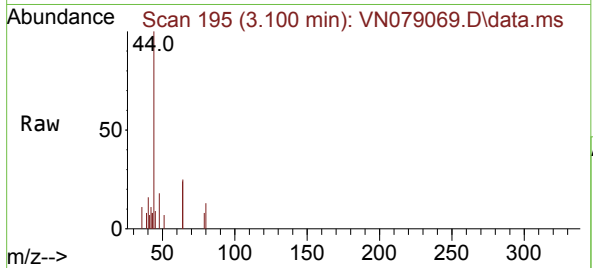




#6
Chloroethane
Concen: 0.341 ug/l
RT: 3.100 min Scan# 197
Delta R.T. -0.018 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

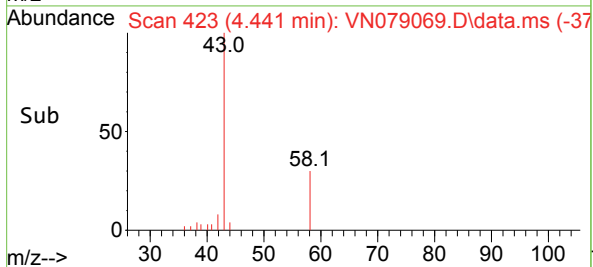
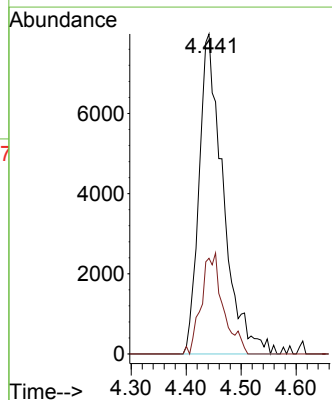
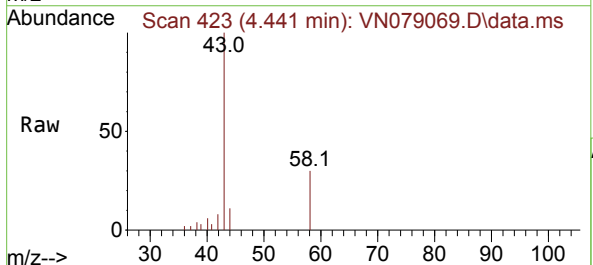
Instrument :
MSVOA_N
ClientSampleId :

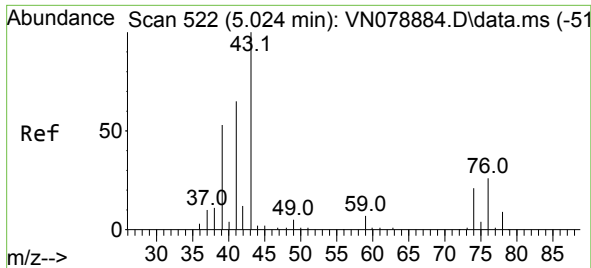
Tgt Ion: 64 Resp: 835
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 18.389 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Tgt Ion: 43 Resp: 24362
Ion Ratio Lower Upper
43 100
58 29.9 28.0 42.0

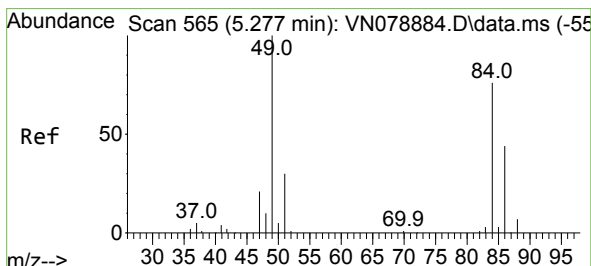
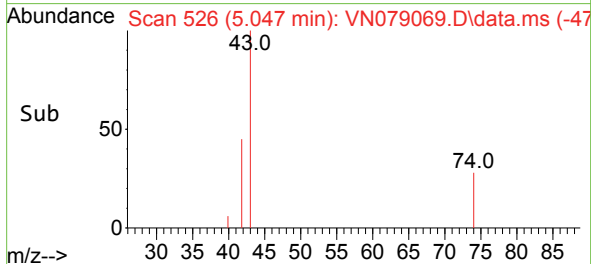
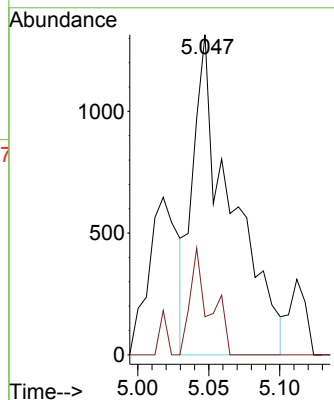
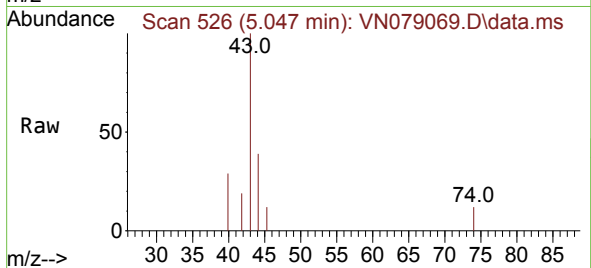




#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

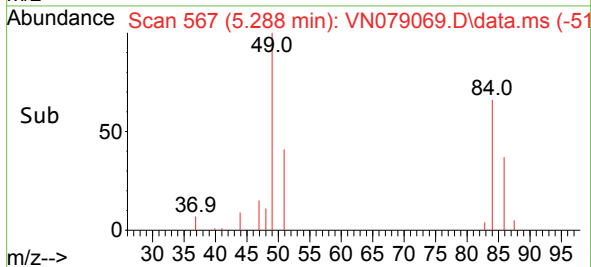
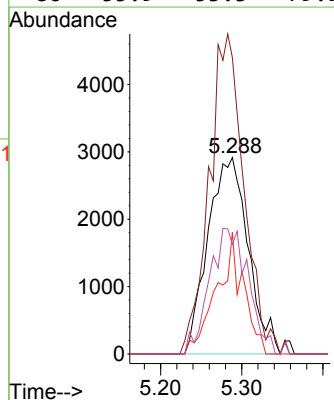
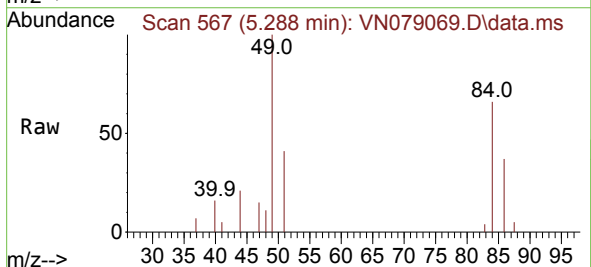
Instrument :
MSVOA_N
ClientSampleId :

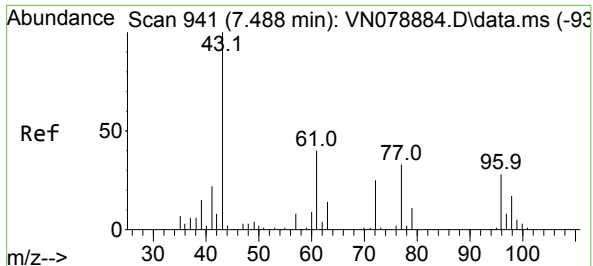
Tgt Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
74 17.1 26.2 39.4#



#20
Methylene Chloride
Concen: 3.547 ug/l
RT: 5.288 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

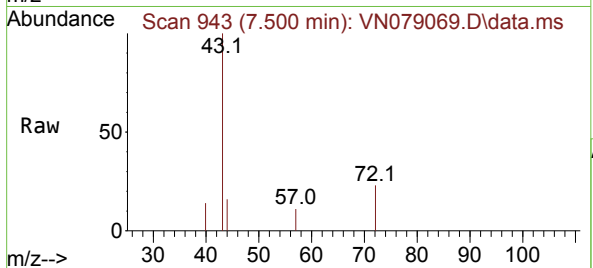
Tgt Ion: 84 Resp: 10013
Ion Ratio Lower Upper
84 100
49 151.0 79.7 119.5#
51 62.0 25.2 37.8#
86 55.9 53.3 79.9



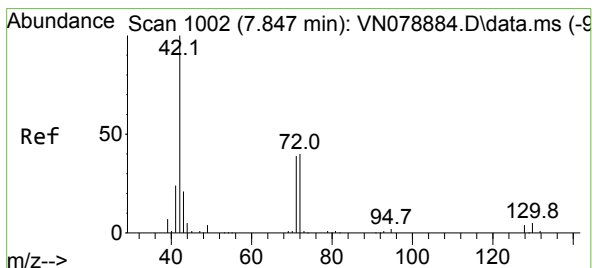
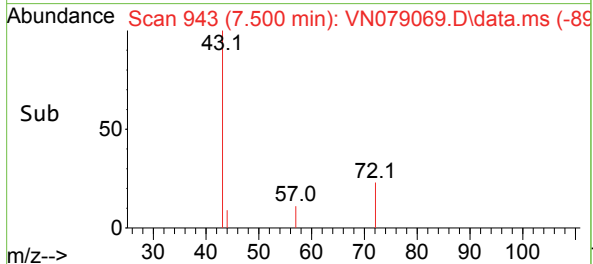
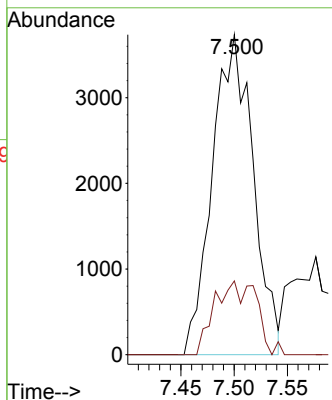


#25
2-Butanone
Concen: 4.674 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

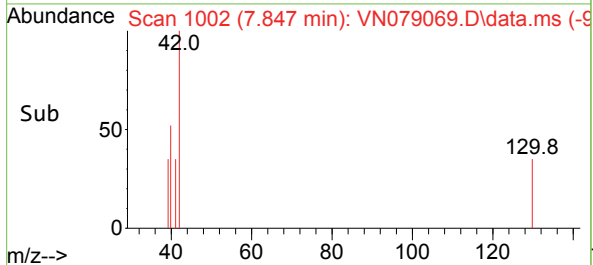
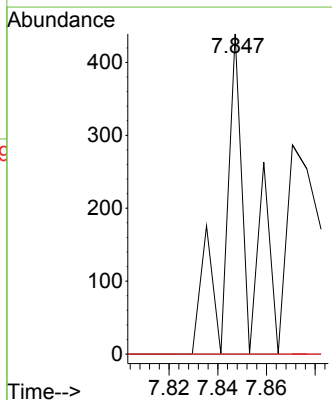
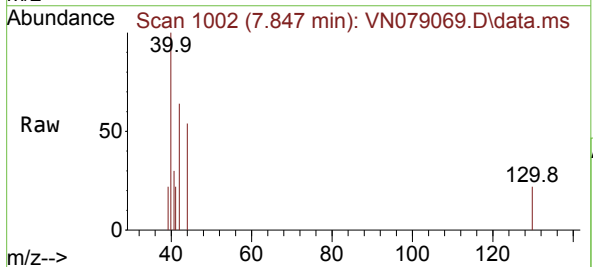


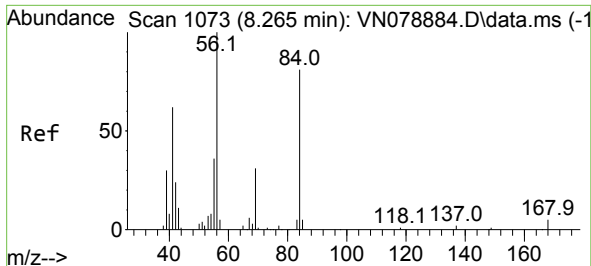
Tgt Ion: 43 Resp: 9927
Ion Ratio Lower Upper
43 100
72 23.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

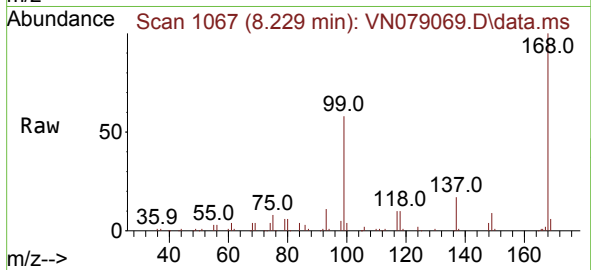
Tgt Ion: 42 Resp: 310
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



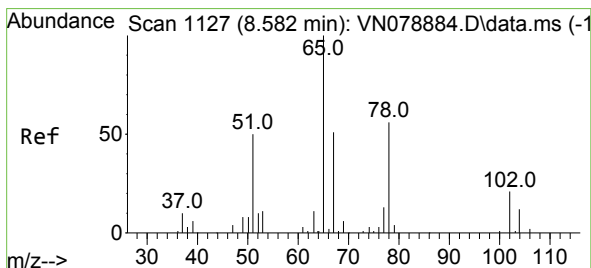
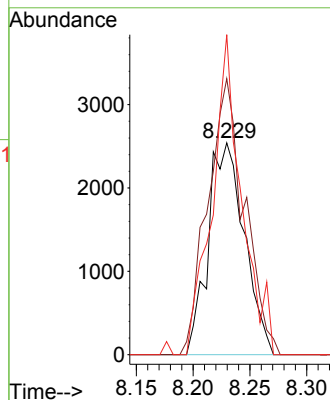
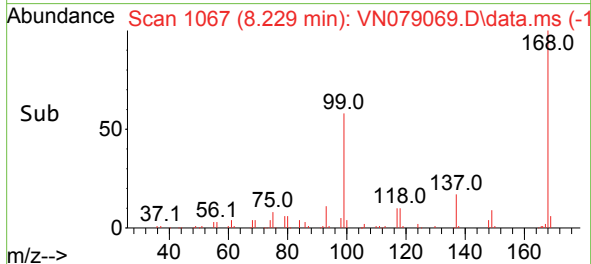


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

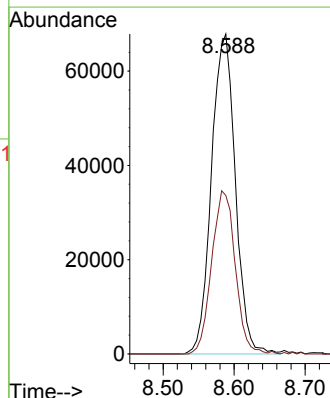
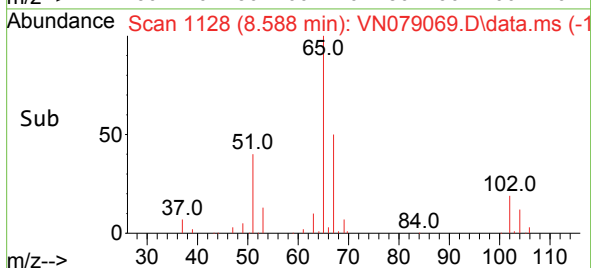
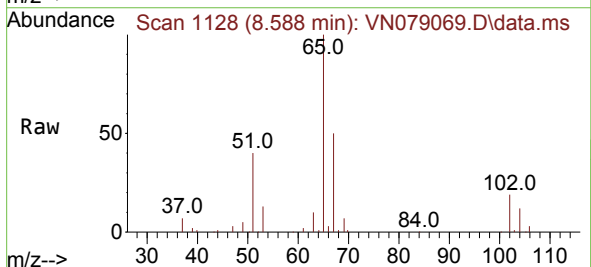


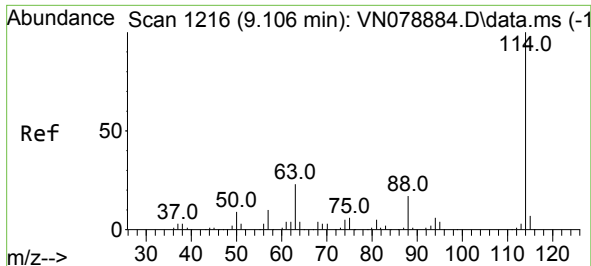
Tgt Ion: 56 Resp: 5631
Ion Ratio Lower Upper
56 100
69 130.3 26.8 40.2#
84 151.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.340 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Tgt Ion: 65 Resp: 158420
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

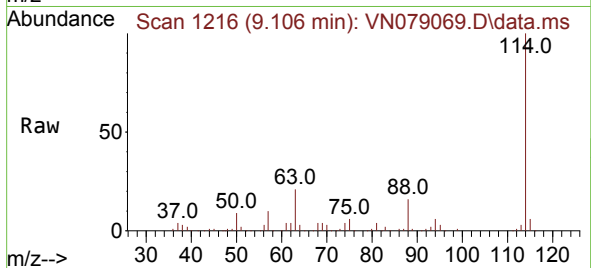
Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :



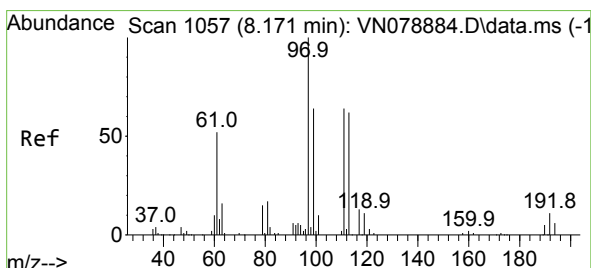
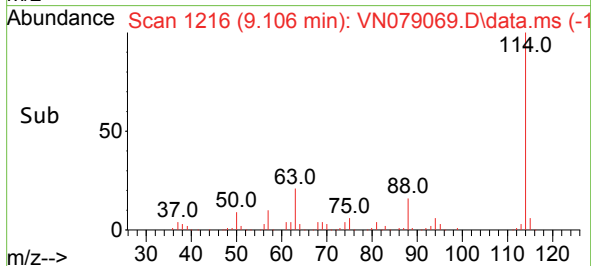
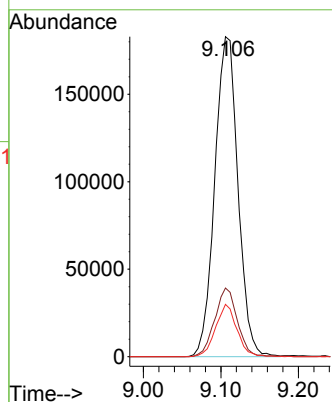
Tgt Ion:114 Resp: 380696

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.870 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

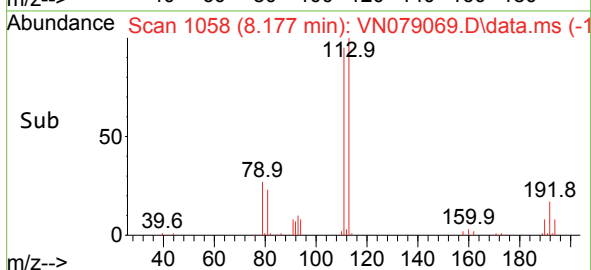
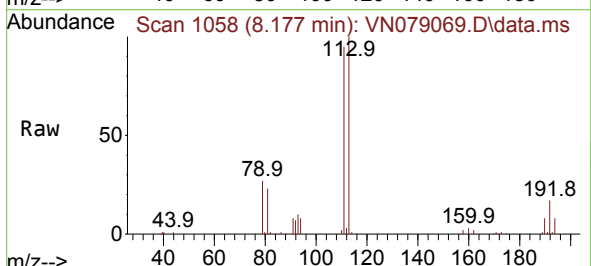
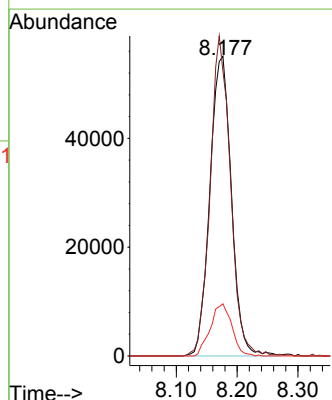
Tgt Ion:113 Resp: 135486

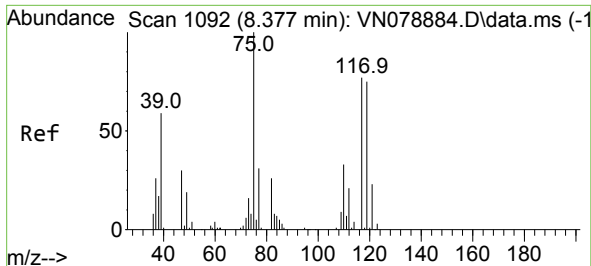
Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.693 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.142 min

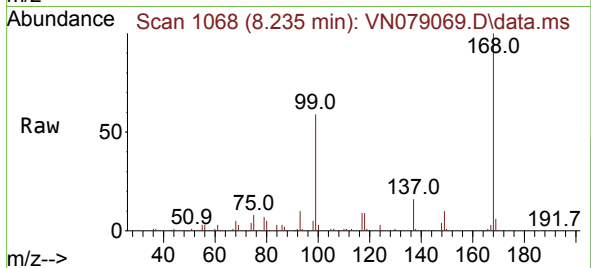
Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :



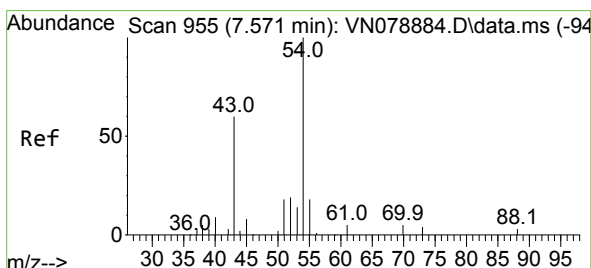
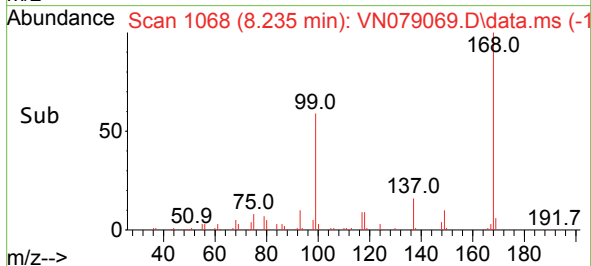
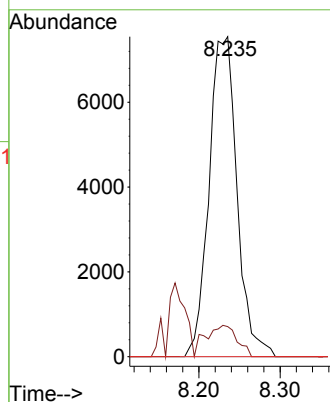
Tgt Ion: 75 Resp: 18092

Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.730 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

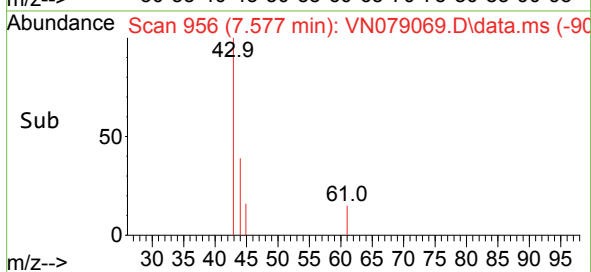
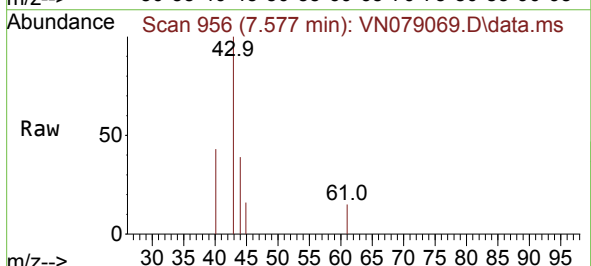
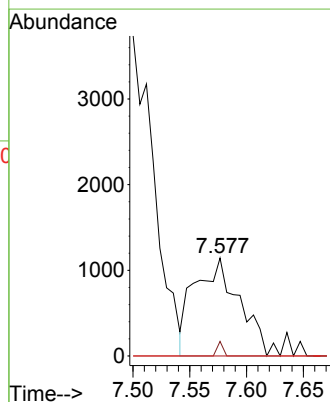
Tgt Ion: 43 Resp: 3148

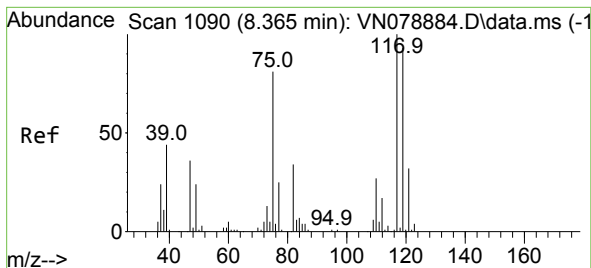
Ion Ratio Lower Upper

43 100

61 1.9 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.444 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.142 min

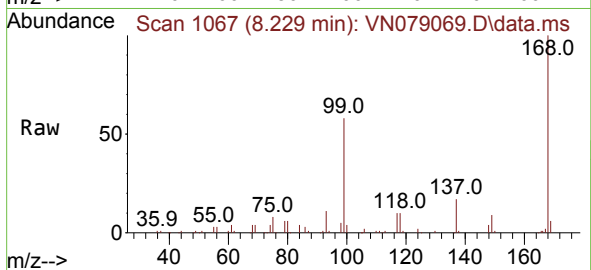
Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :



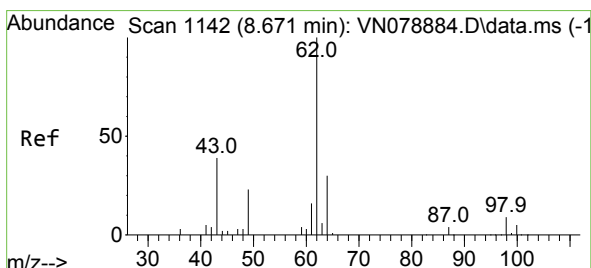
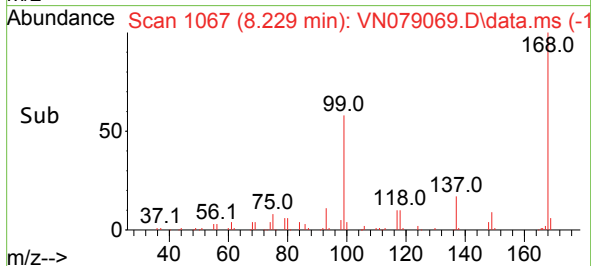
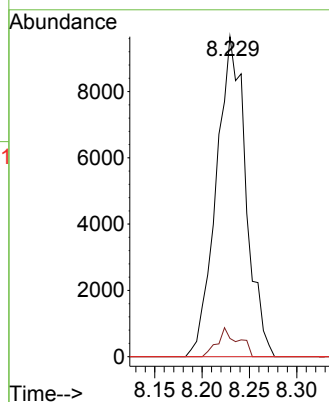
Tgt Ion:117 Resp: 21027

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VN079069.D

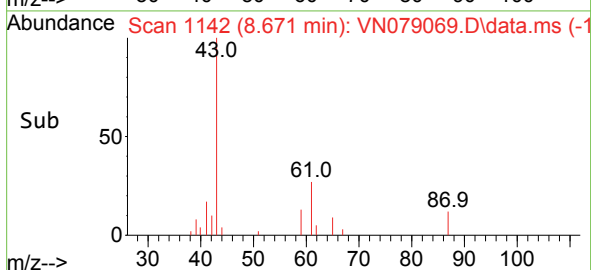
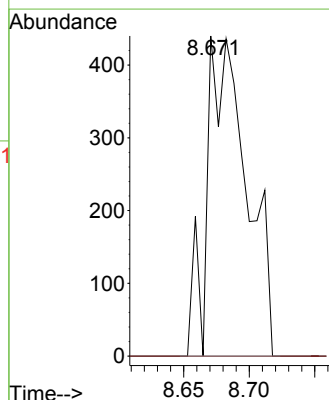
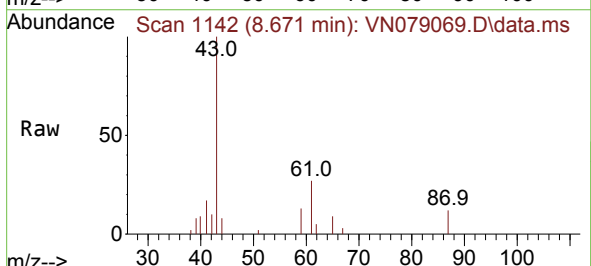
Acq: 28 Aug 2023 16:07

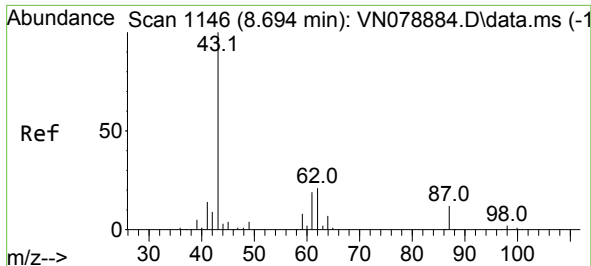
Tgt Ion: 62 Resp: 929

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

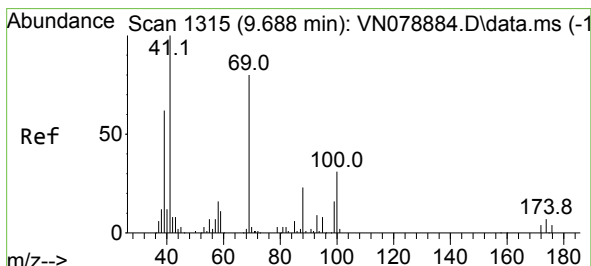
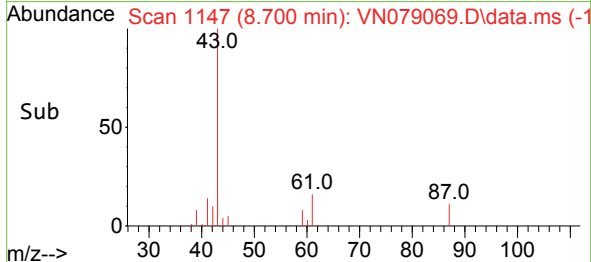
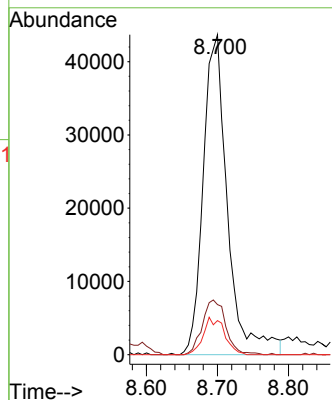
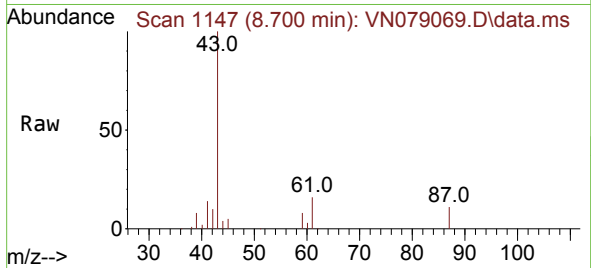




#43
Isopropyl Acetate
Concen: 13.666 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

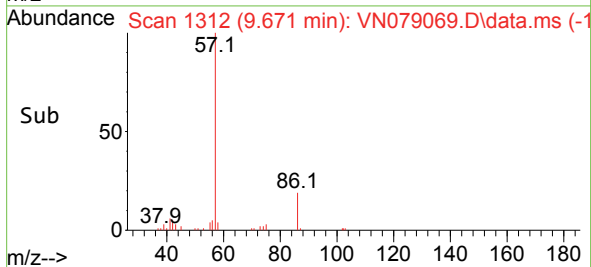
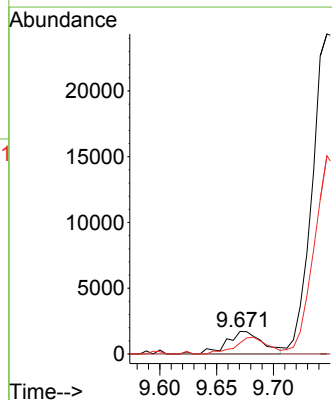
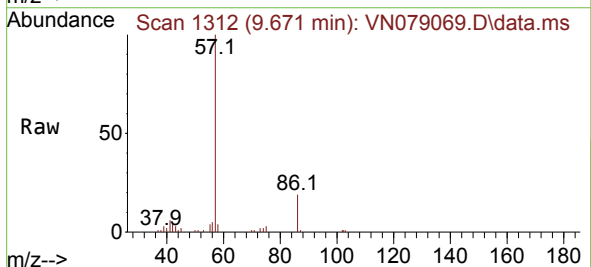
Instrument :
MSVOA_N
ClientSampleId :

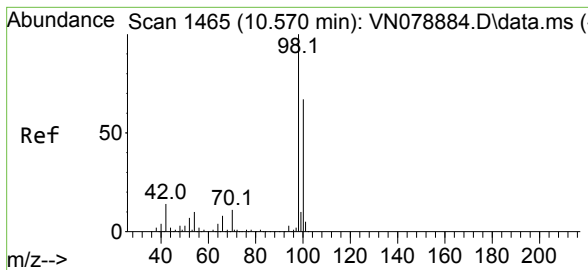
Tgt Ion: 43 Resp: 104180
Ion Ratio Lower Upper
43 100
61 16.5 24.7 37.1#
87 10.1 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.090 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Tgt Ion: 41 Resp: 3765
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.6 54.6 81.8

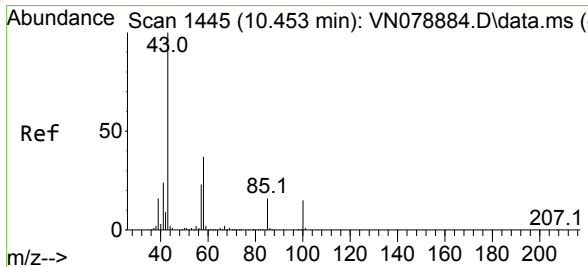
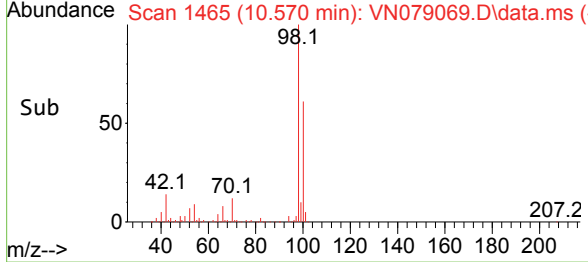
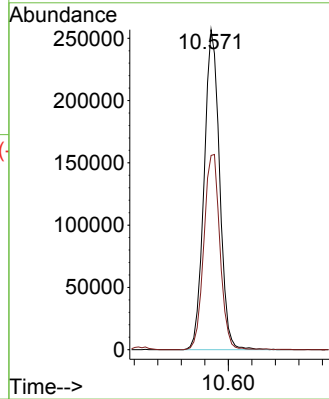
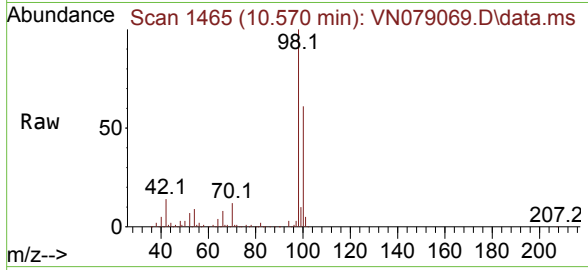




#50
Toluene-d8
Concen: 49.437 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

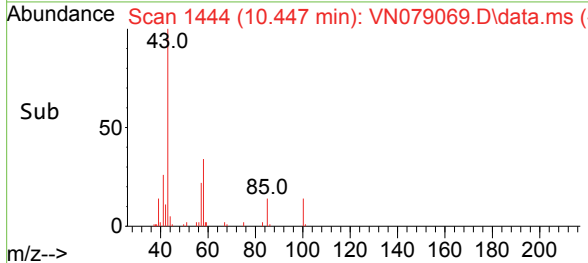
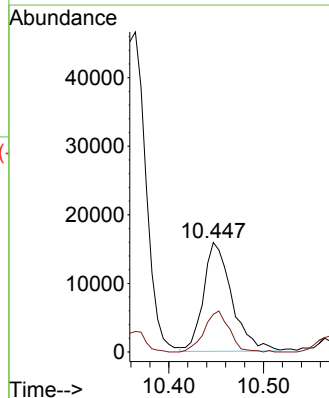
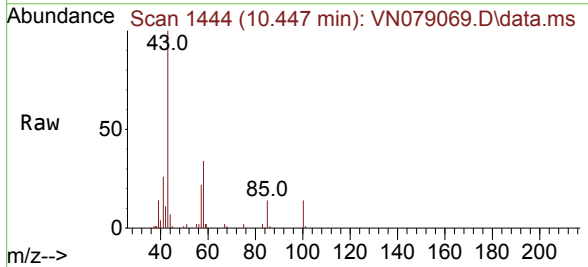
Instrument :
MSVOA_N
ClientSampleId :

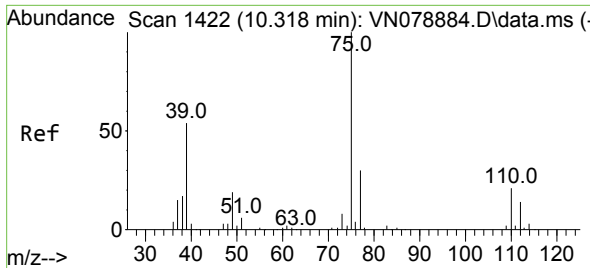
Tgt Ion: 98 Resp: 470408
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 7.342 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

Tgt Ion: 43 Resp: 33195
Ion Ratio Lower Upper
43 100
58 33.2 36.6 54.8#

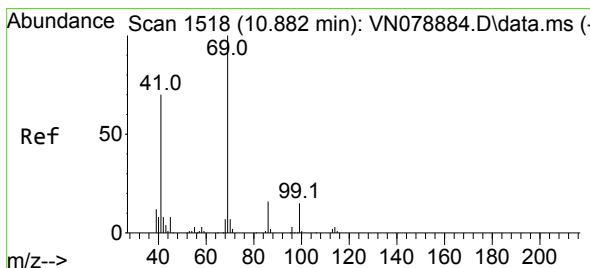
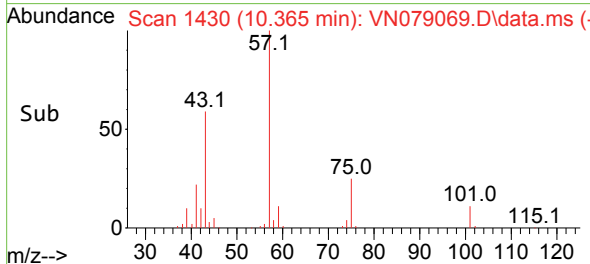
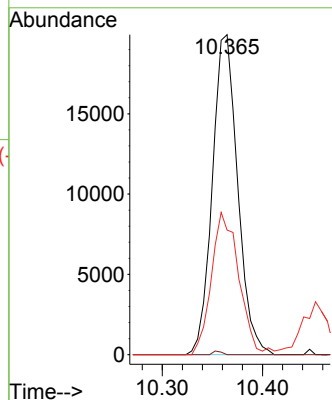
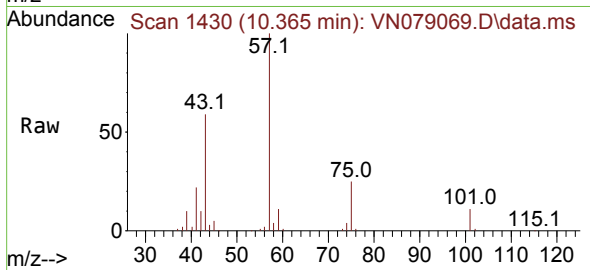




#54
 cis-1,3-Dichloropropene
 Concen: 7.293 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079069.D
 Acq: 28 Aug 2023 16:07

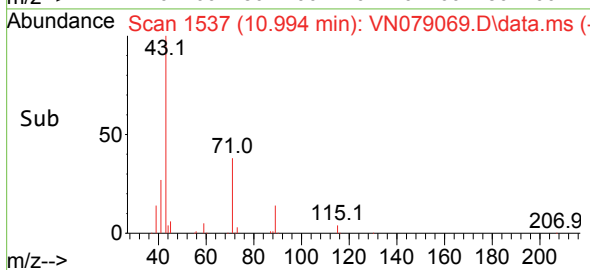
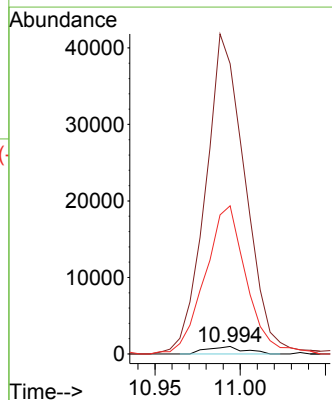
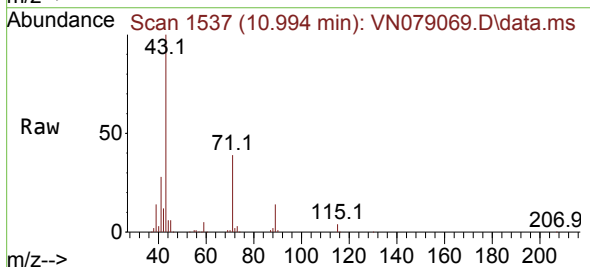
Instrument :
 MSVOA_N
 ClientSampleId :

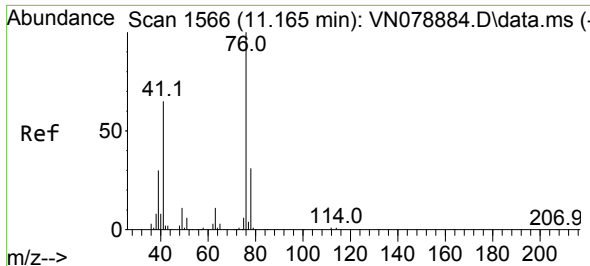
Tgt Ion: 75 Resp: 34998
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 38.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.342 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN079069.D
 Acq: 28 Aug 2023 16:07

Tgt Ion: 69 Resp: 1487
 Ion Ratio Lower Upper
 69 100
 41 4569.9 39.6 59.4#
 39 2204.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.489 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

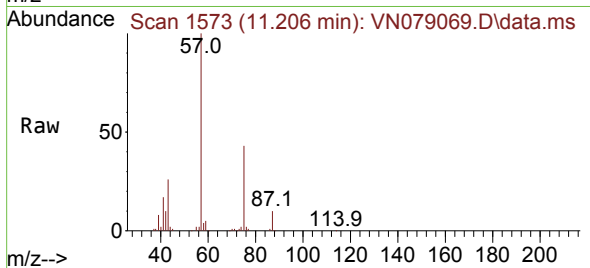
Lab File: VN079069.D

Acq: 28 Aug 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :

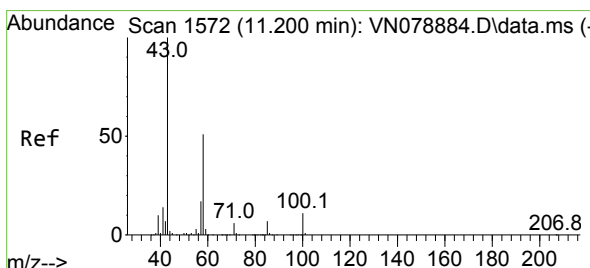
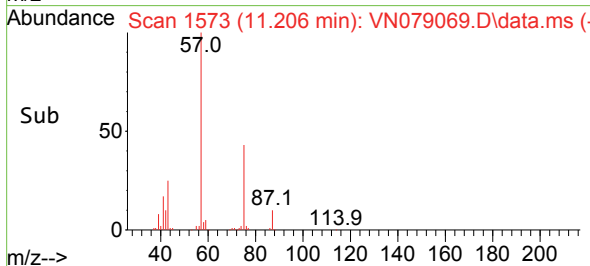
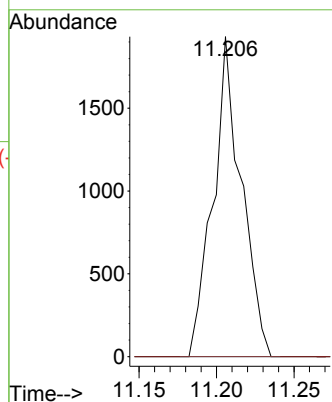


Tgt Ion: 76 Resp: 2453

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.096 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079069.D

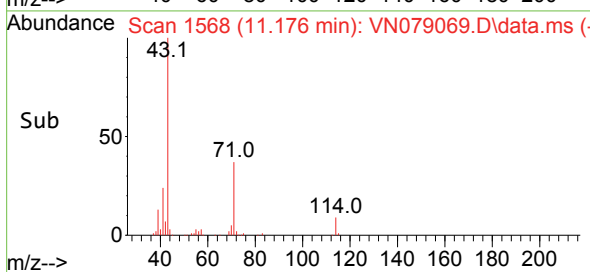
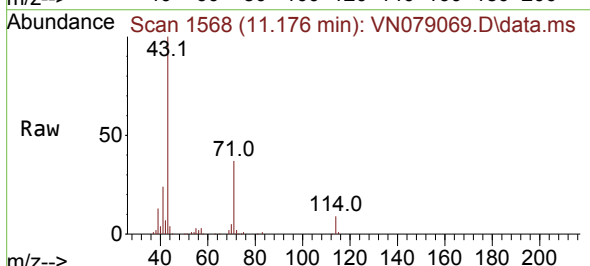
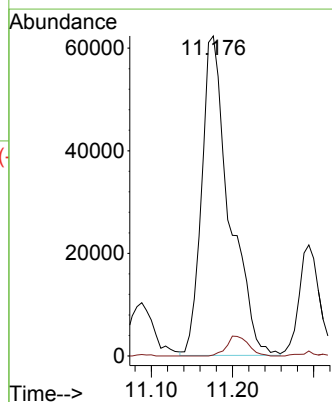
Acq: 28 Aug 2023 16:07

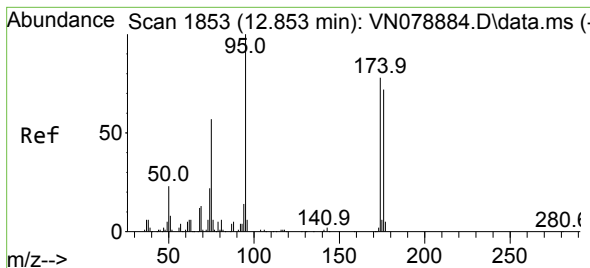
Tgt Ion: 43 Resp: 147683

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

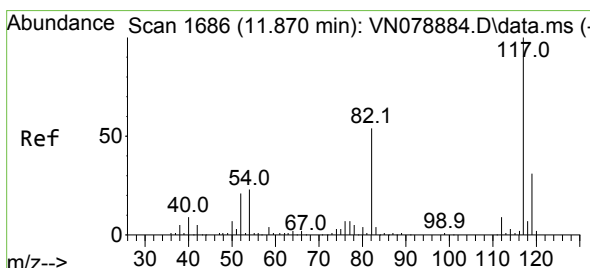
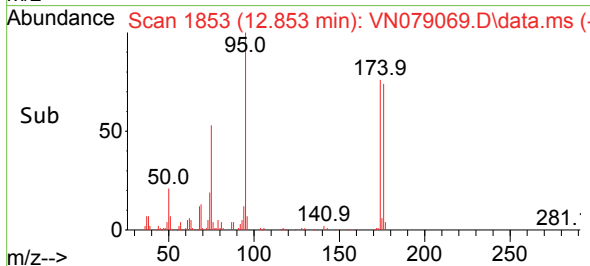
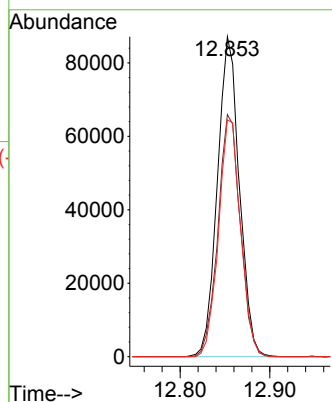
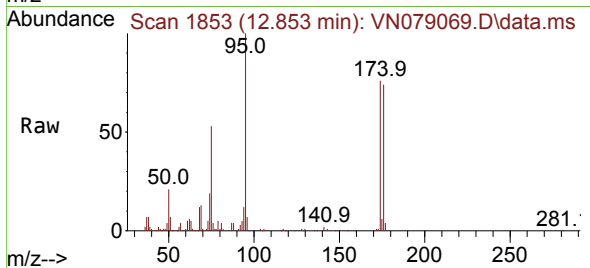




#62
4-Bromofluorobenzene
Concen: 47.625 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

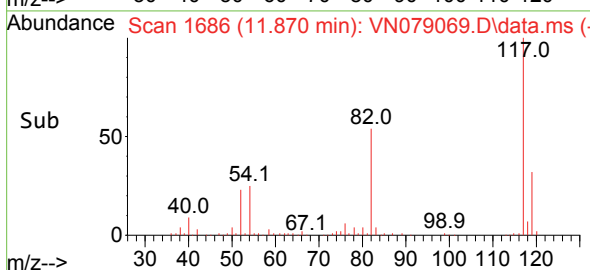
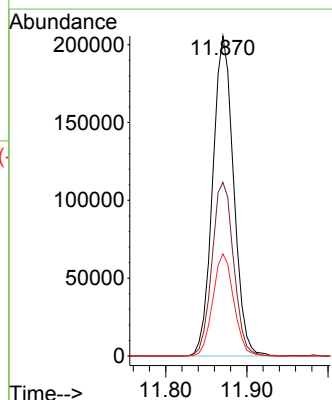
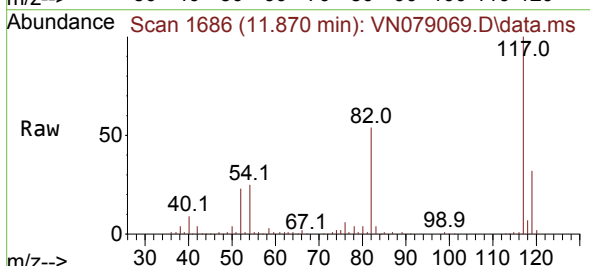
Instrument :
MSVOA_N
ClientSampleId :

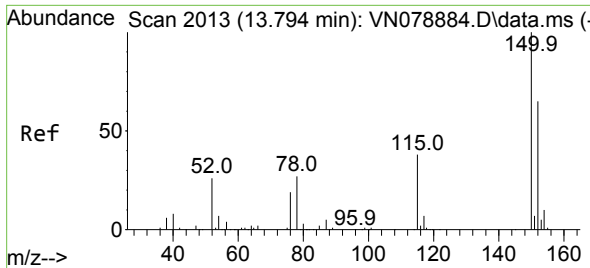
Tgt Ion: 95 Resp: 148122
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 74.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

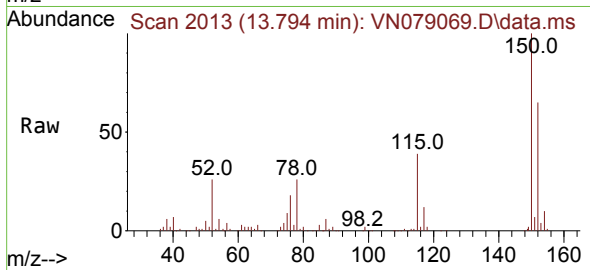
Tgt Ion: 117 Resp: 368244
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 31.9 25.6 38.4



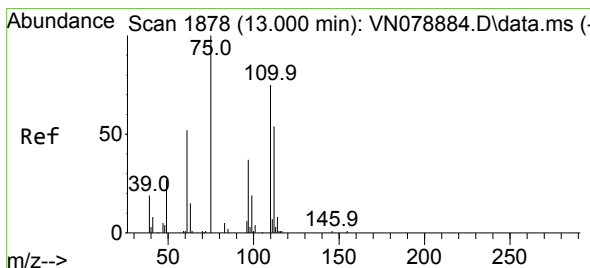
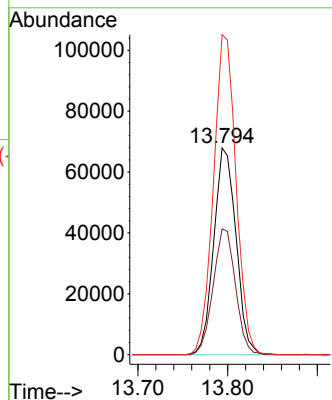
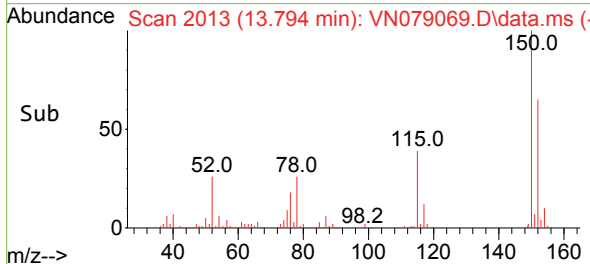


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079069.D
 Acq: 28 Aug 2023 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

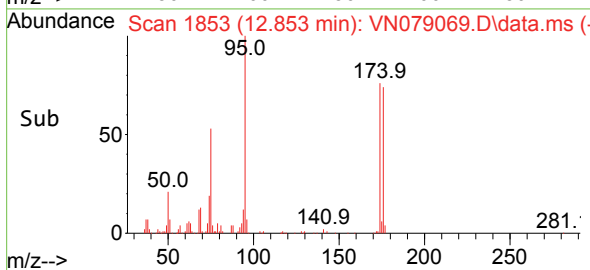
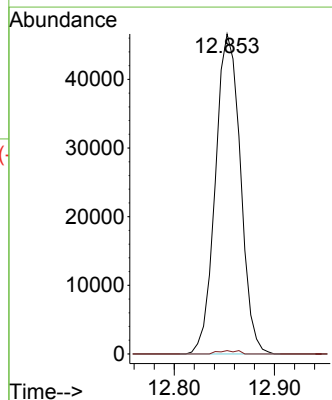
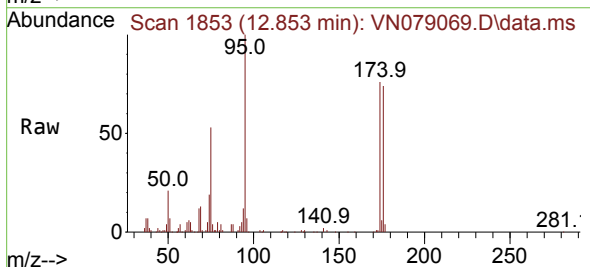


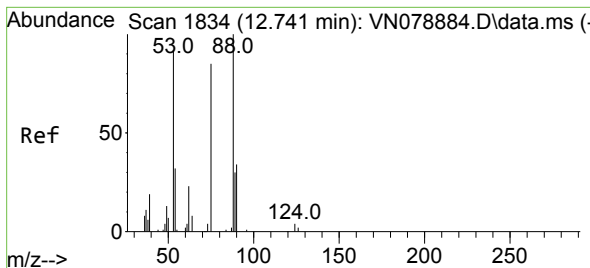
Tgt Ion:152 Resp: 117068
 Ion Ratio Lower Upper
 152 100
 115 60.9 32.3 96.8
 150 157.0 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 28.653 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079069.D
 Acq: 28 Aug 2023 16:07

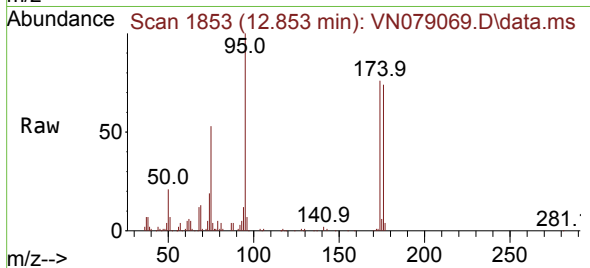
Tgt Ion: 75 Resp: 80824
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#



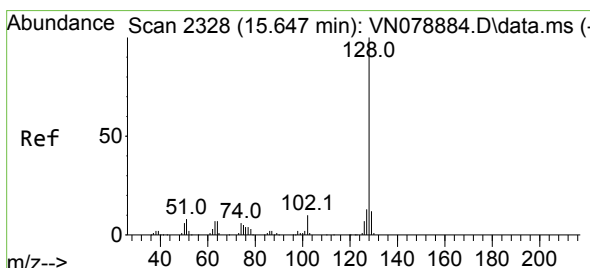
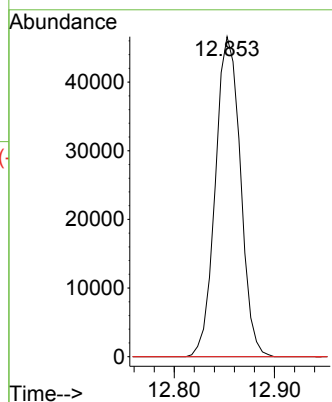
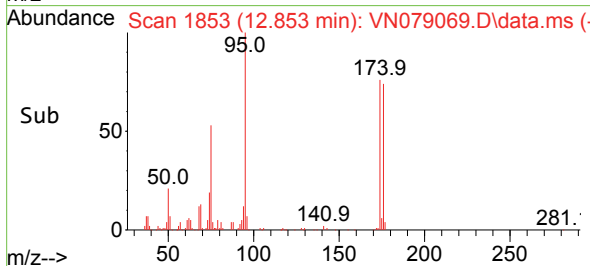


#81
trans-1,4-Dichloro-2-butene
Concen: 73.196 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07

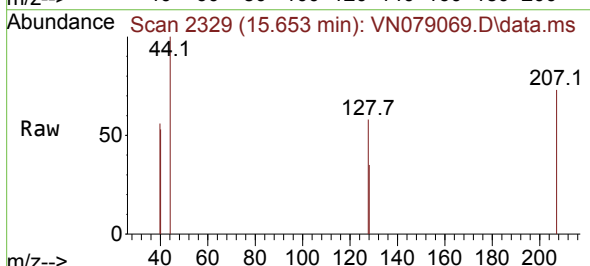
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 80824
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.706 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN079069.D
Acq: 28 Aug 2023 16:07



Tgt Ion: 128 Resp: 746
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 8.4 8.7 13.1#

