

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078905.D
 Acq On : 16 Aug 2023 16:05
 Operator : JC\MD
 Sample : 04009-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONC-COMP

Quant Time: Aug 17 01:18:05 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)

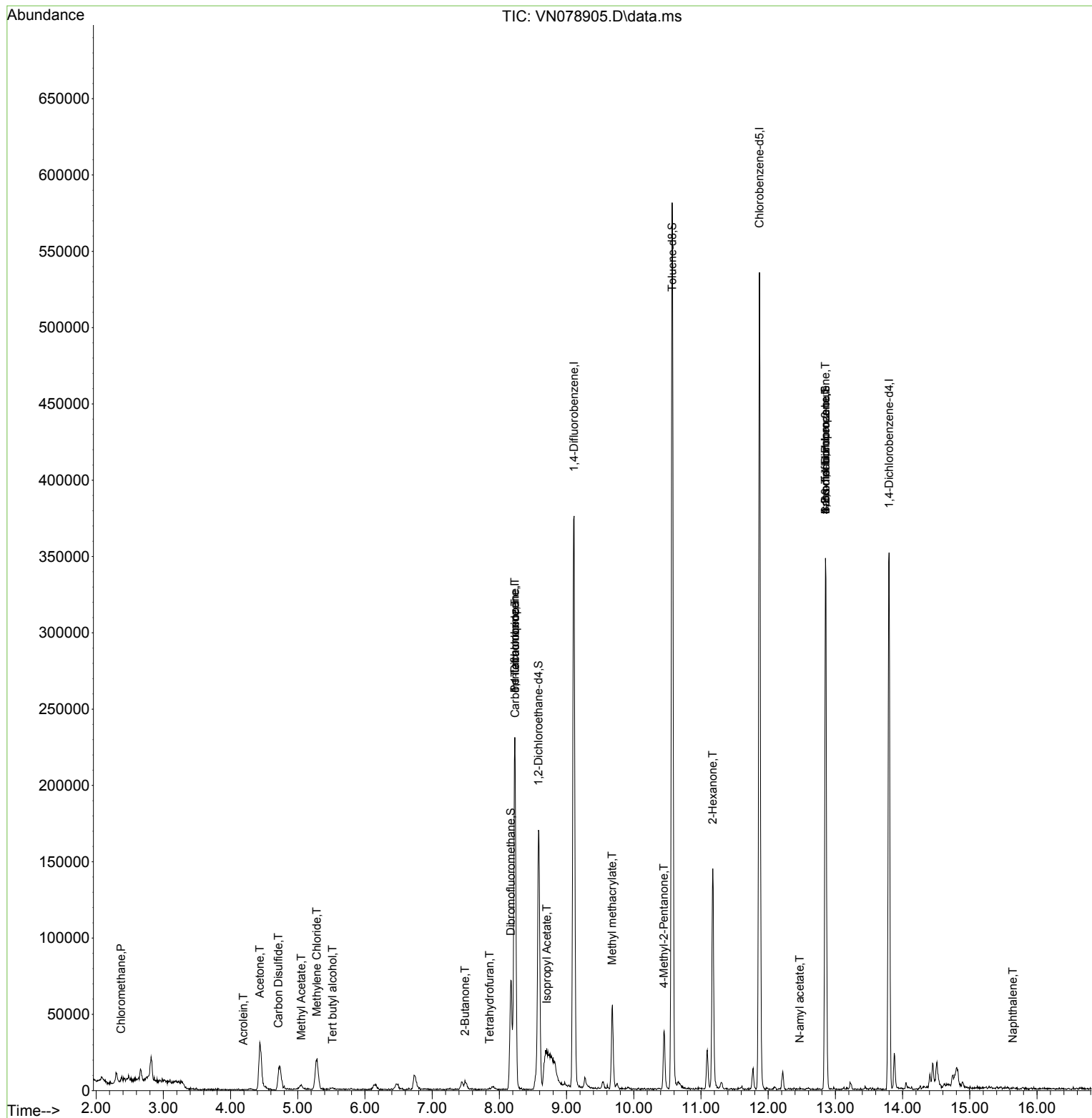
Internal Standards						
1) Pentafluorobenzene	8.229	168	161427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	316737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	279910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	88677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136068	54.168	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.340%	
35) Dibromofluoromethane	8.171	113	51152	23.991	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 47.980%#	
50) Toluene-d8	10.570	98	385052	48.638	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.280%	
62) 4-Bromofluorobenzene	12.853	95	114854	44.385	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1277	0.408	ug/l #	87
11) Tert butyl alcohol	5.518	59	574	1.362	ug/l #	72
13) Acrolein	4.189	56	92	7.171	ug/l #	16
16) Acetone	4.436	43	56235	54.257	ug/l	97
17) Carbon Disulfide	4.712	76	1808	0.373	ug/l #	75
18) Methyl Acetate	5.053	43	5749	1.313	ug/l #	52
20) Methylene Chloride	5.283	84	15207	6.885	ug/l #	92
25) 2-Butanone	7.488	43	9045	5.443	ug/l #	73
29) Tetrahydrofuran	7.853	42	310	0.282	ug/l #	33
31) Cyclohexane	8.229	56	4638	Below Cal	#	56
36) 1,1-Dichloropropene	8.229	75	15987	4.985	ug/l #	48
38) Carbon Tetrachloride	8.235	117	17569	5.467	ug/l #	16
43) Isopropyl Acetate	8.706	43	29144	4.595	ug/l #	51
48) Methyl methacrylate	9.676	41	4676	1.627	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	28999	7.709	ug/l #	84
59) 2-Hexanone	11.176	43	117516	43.131	ug/l #	19
71) Bromoform	12.853	173	873	0.533	ug/l #	1
74) N-amyl acetate	12.470	43	791	0.212	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	65570	30.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65570	78.394	ug/l #	15
95) Naphthalene	15.641	128	191	2.619	ug/l #	70

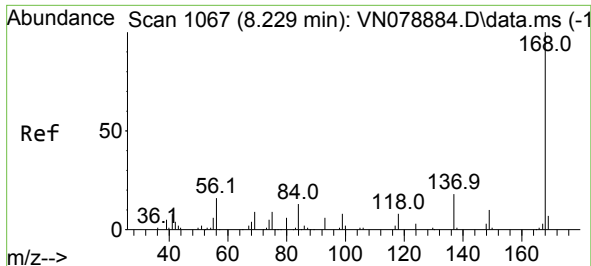
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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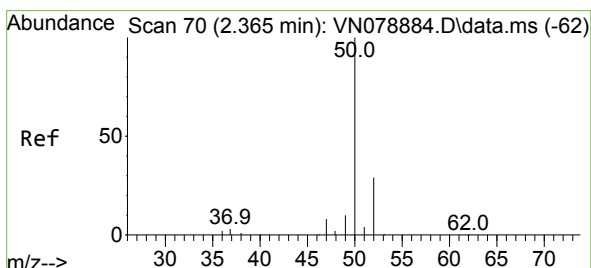
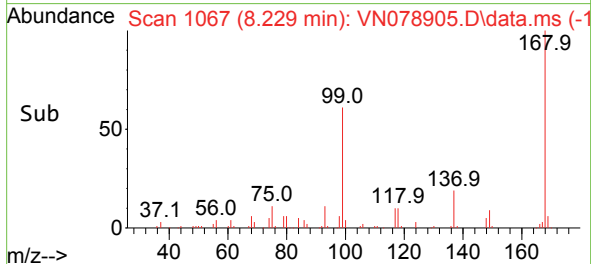
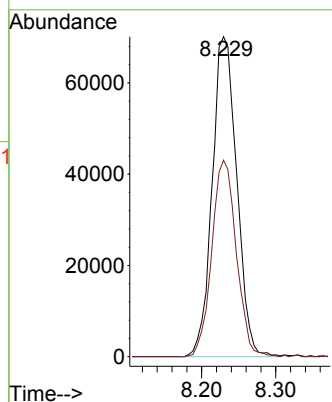
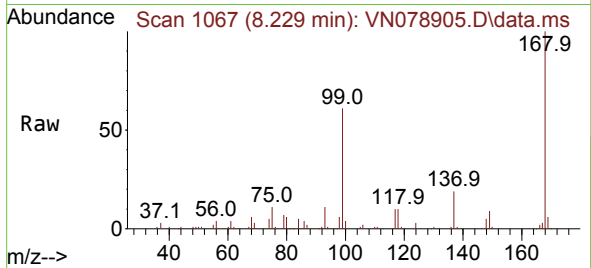




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

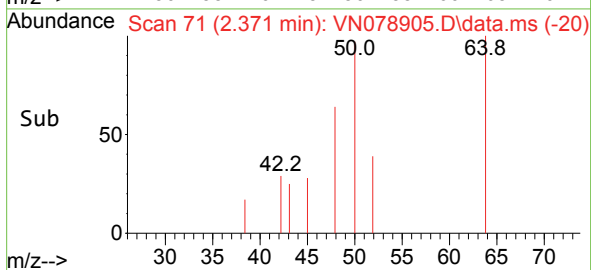
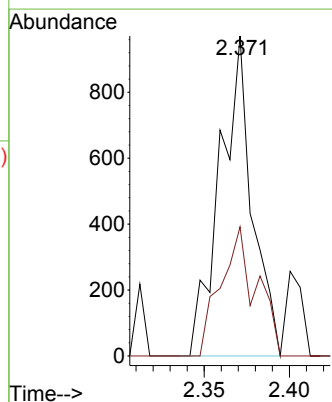
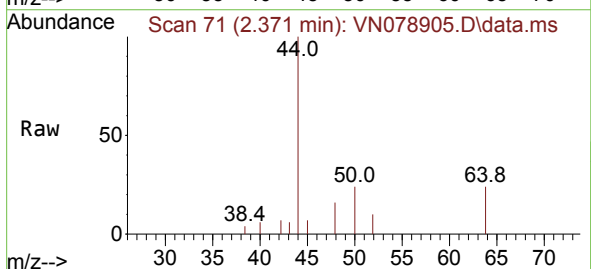
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

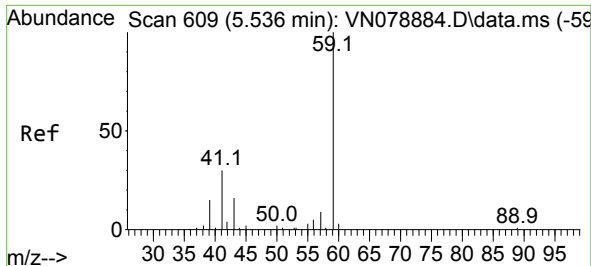
Tgt Ion:168 Resp: 161427
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#3
Chloromethane
Concen: 0.408 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 50 Resp: 1277
Ion Ratio Lower Upper
50 100
52 40.4 26.5 39.7#





#11

Tert butyl alcohol

Concen: 1.362 ug/l

RT: 5.518 min Scan# 609

Delta R.T. -0.024 min

Lab File: VN078905.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

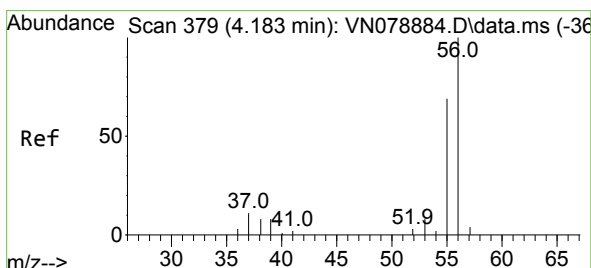
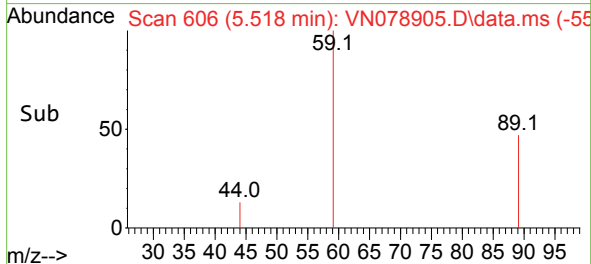
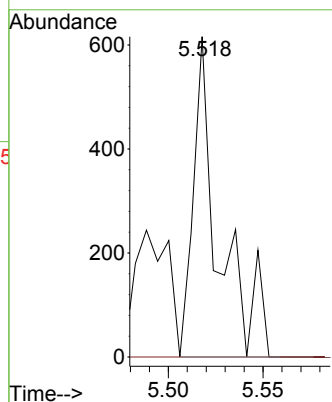
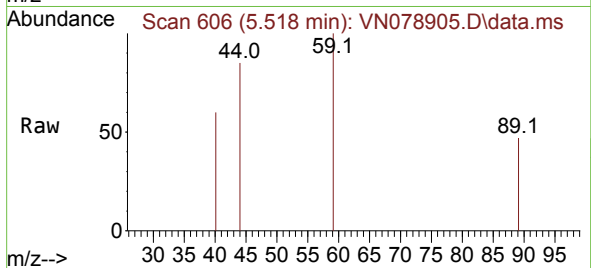
CONC-COMP

Tgt Ion: 59 Resp: 574

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 7.171 ug/l

RT: 4.189 min Scan# 380

Delta R.T. -0.006 min

Lab File: VN078905.D

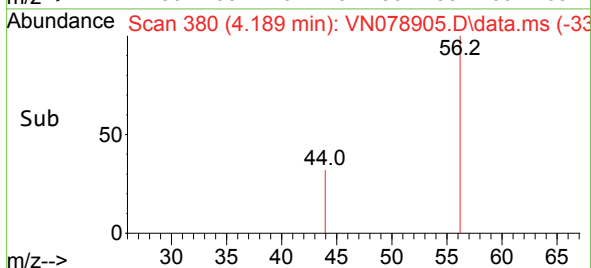
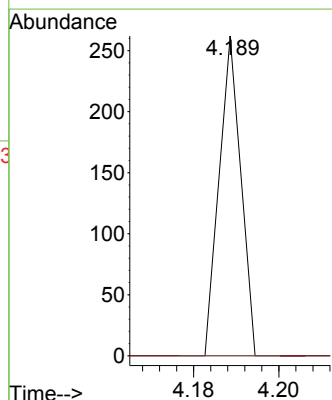
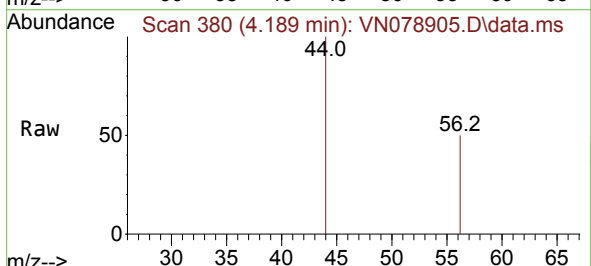
Acq: 16 Aug 2023 16:05

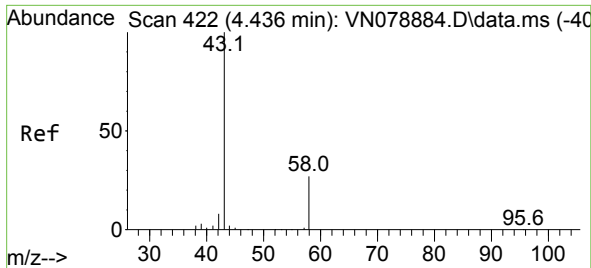
Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#

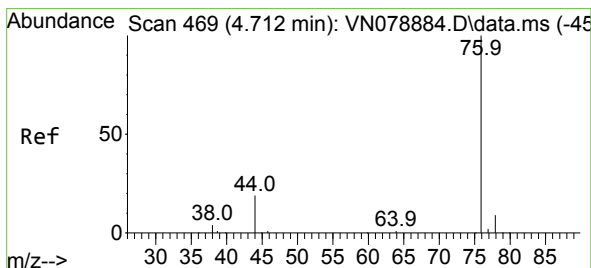
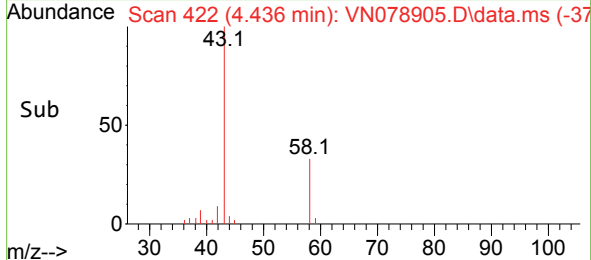
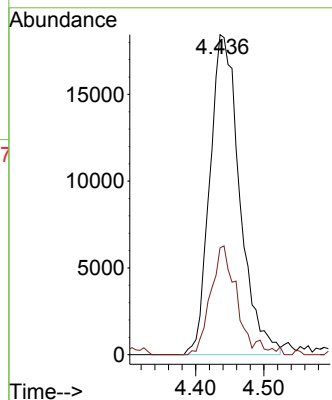
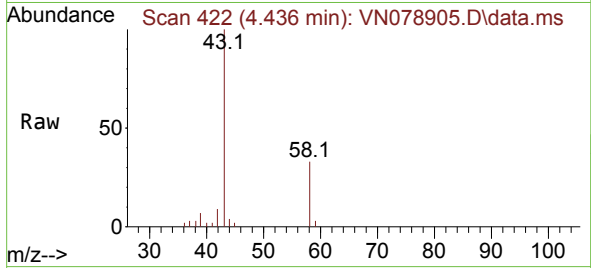




#16
Acetone
Concen: 54.257 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

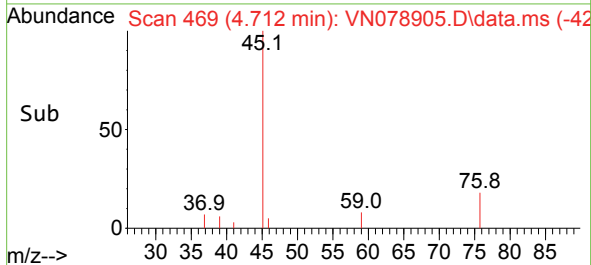
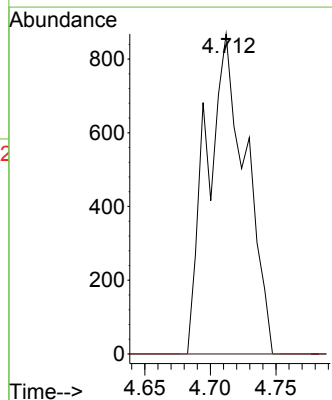
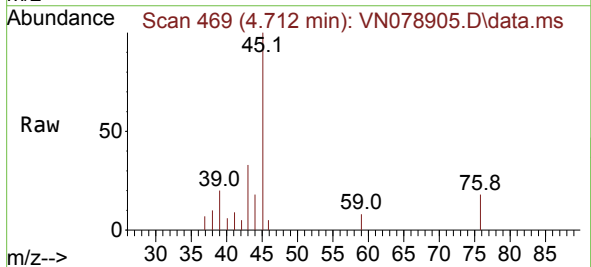
Instrument :
MSVOA_N
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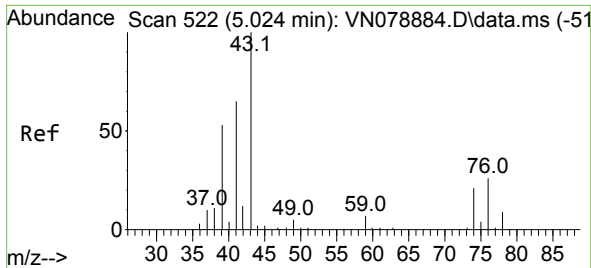
Tgt Ion: 43 Resp: 56235
Ion Ratio Lower Upper
43 100
58 33.3 28.0 42.0



#17
Carbon Disulfide
Concen: 0.373 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.012 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 76 Resp: 1808
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

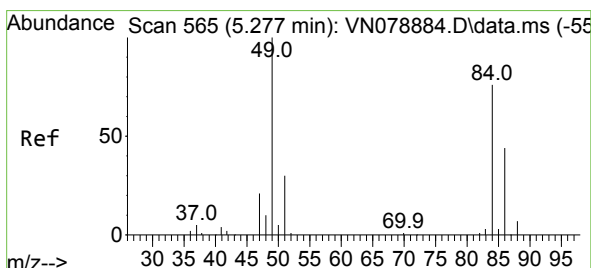
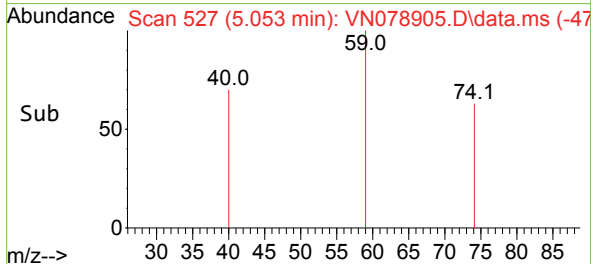
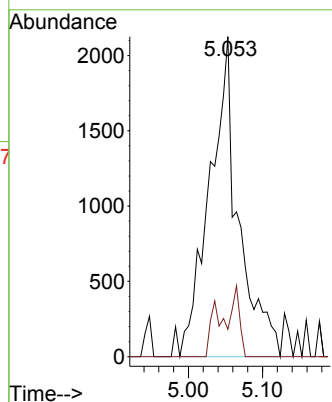
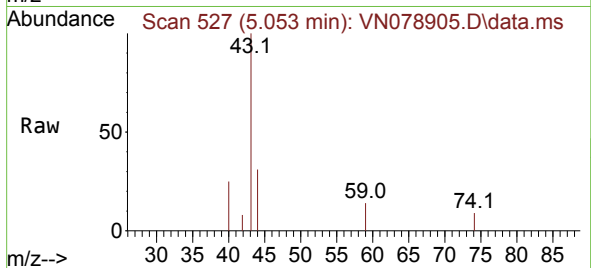




#18
Methyl Acetate
Concen: 1.313 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

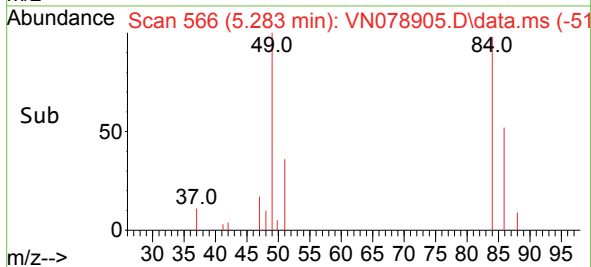
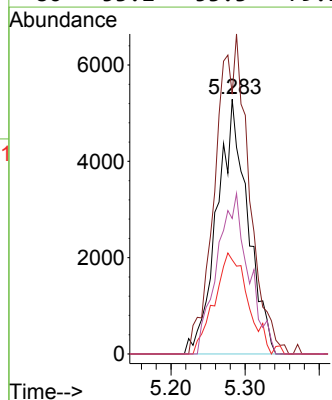
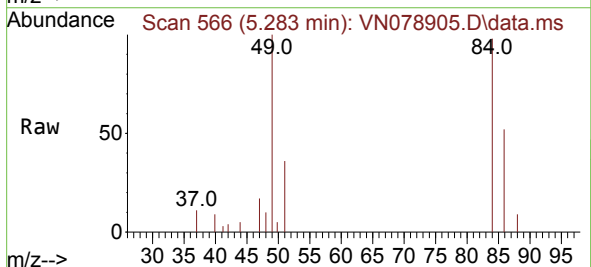
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

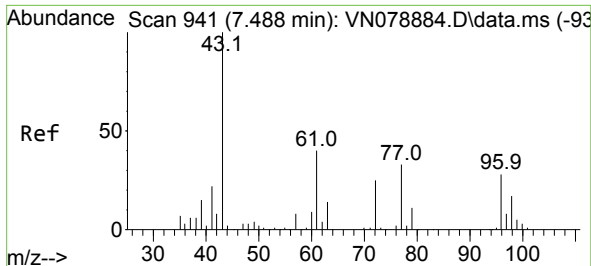
Tgt Ion: 43 Resp: 5749
Ion Ratio Lower Upper
43 100
74 5.9 26.2 39.4#



#20
Methylene Chloride
Concen: 6.885 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 84 Resp: 15207
Ion Ratio Lower Upper
84 100
49 102.0 79.7 119.5
51 37.0 25.2 37.8
86 53.2 53.3 79.9#

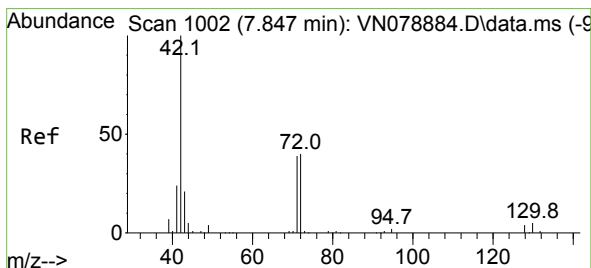
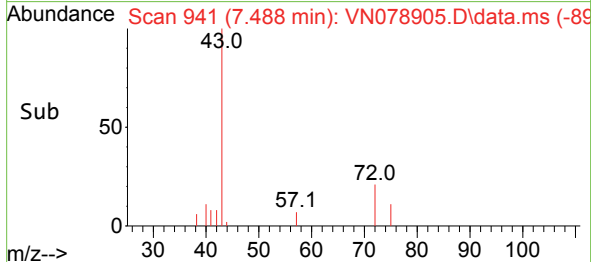
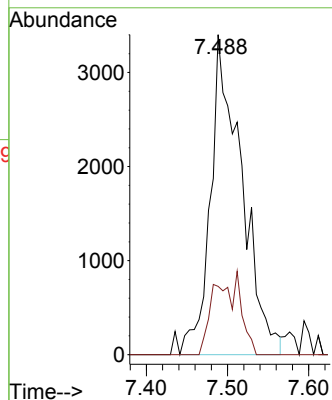
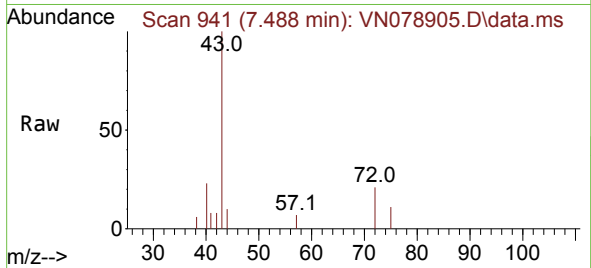




#25
2-Butanone
Concen: 5.443 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

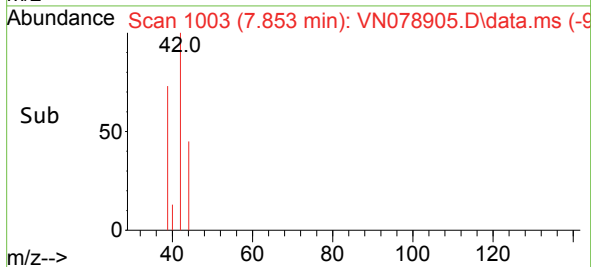
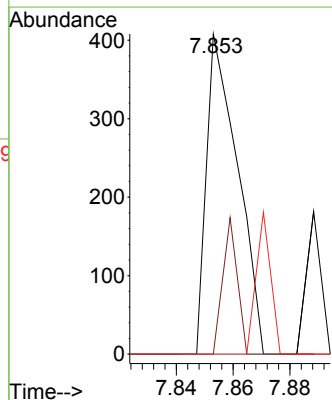
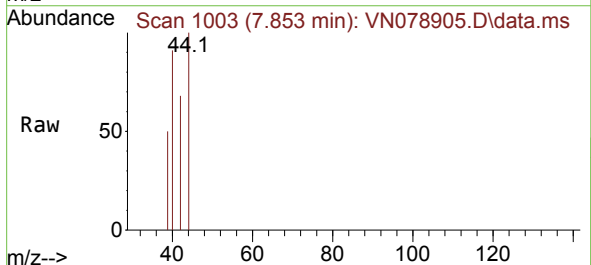
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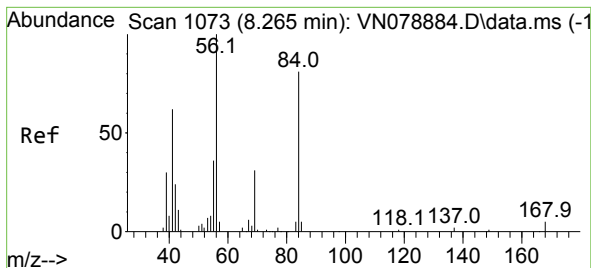
Tgt Ion: 43 Resp: 9045
Ion Ratio Lower Upper
43 100
72 21.4 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.282 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 42 Resp: 310
Ion Ratio Lower Upper
42 100
72 19.7 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: VN078905.D

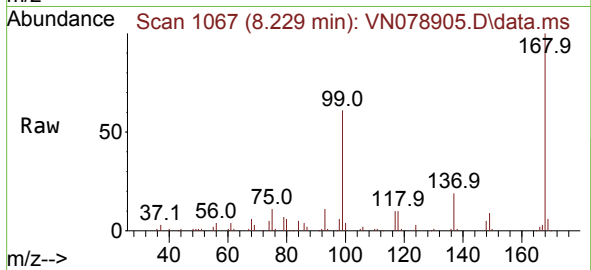
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Instrument :

MSVOA_N

ClientSampleId :

CONC-COMP



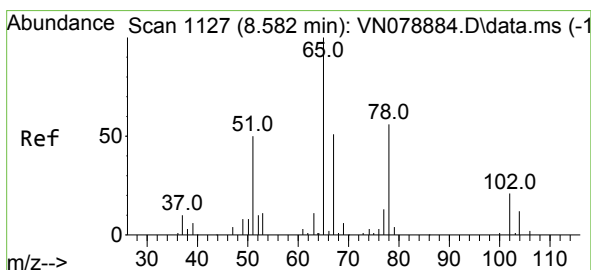
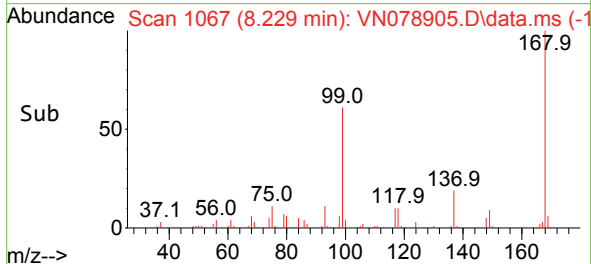
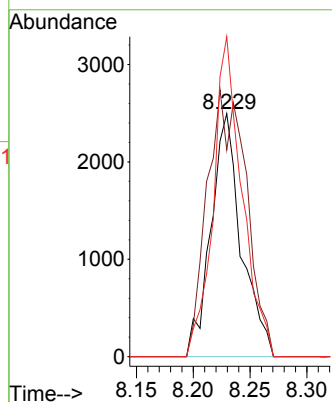
Tgt Ion: 56 Resp: 4638

Ion Ratio Lower Upper

56 100

69 85.1 26.8 40.2#

84 131.7 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 54.168 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078905.D

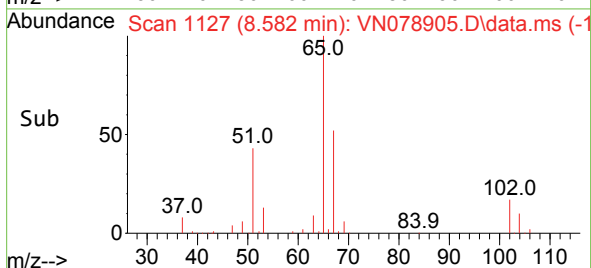
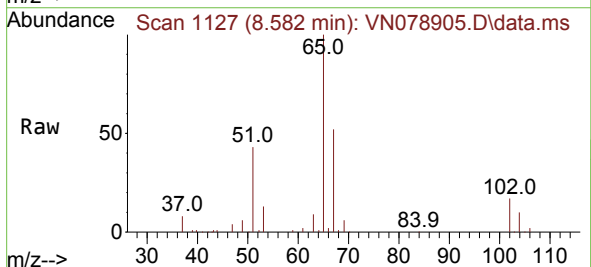
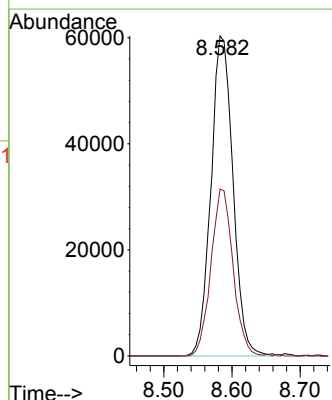
Acq: 16 Aug 2023 16:05

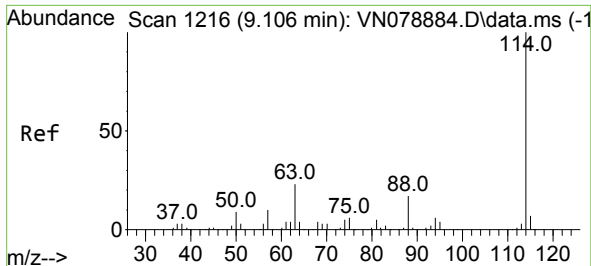
Tgt Ion: 65 Resp: 136068

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078905.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

CONC-COMP

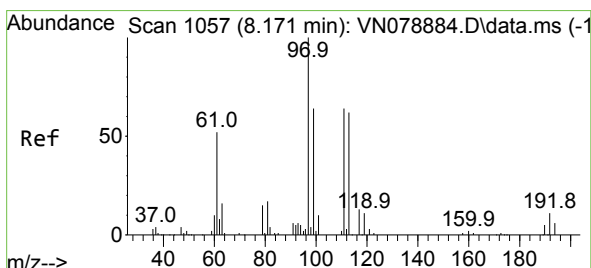
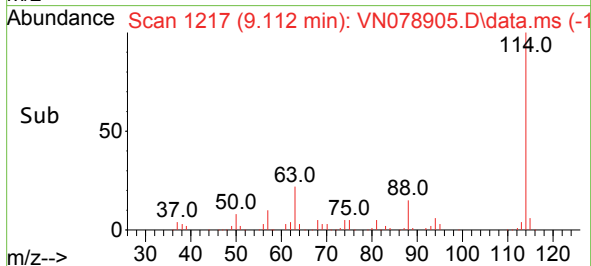
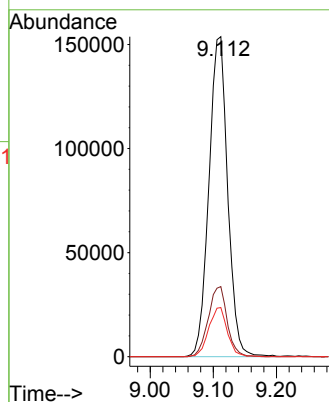
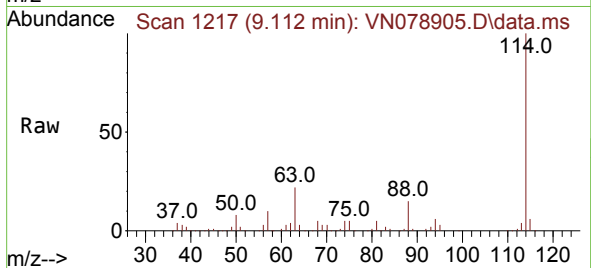
Tgt Ion:114 Resp: 316737

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 23.991 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078905.D

Acq: 16 Aug 2023 16:05

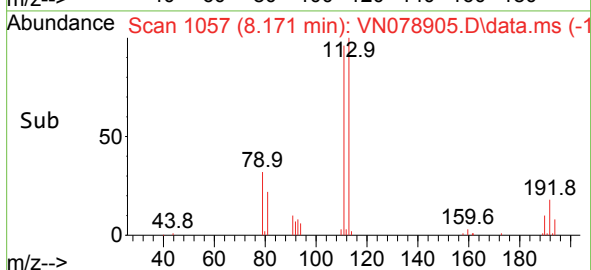
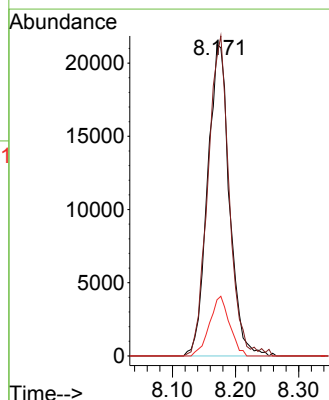
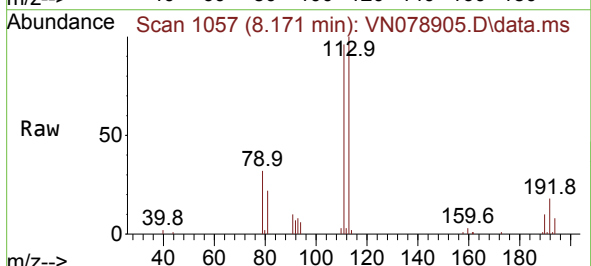
Tgt Ion:113 Resp: 51152

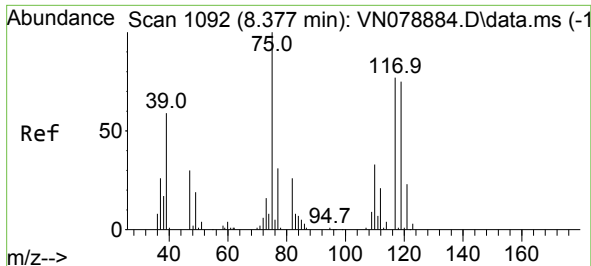
Ion Ratio Lower Upper

113 100

111 100.6 82.6 123.8

192 17.5 12.7 19.1

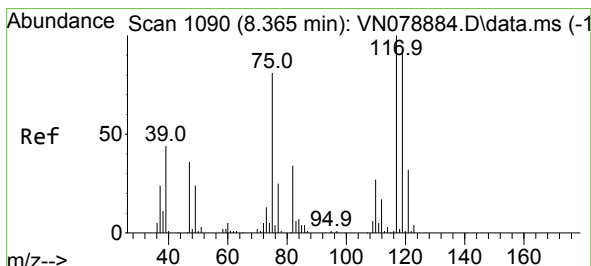
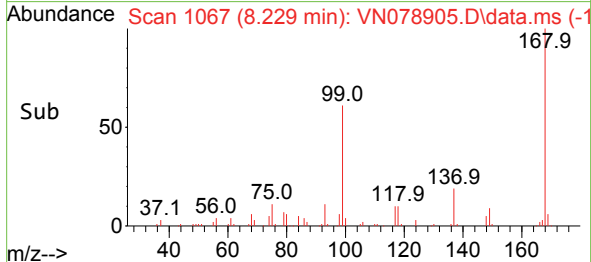
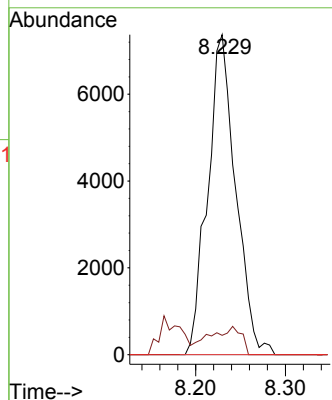
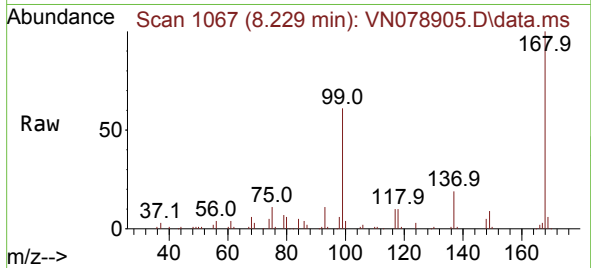




#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

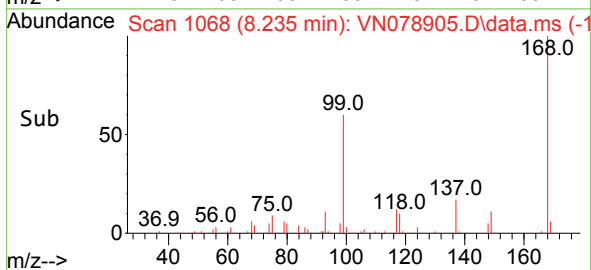
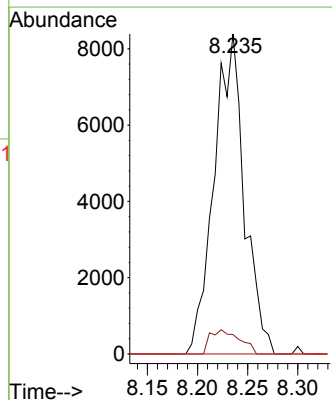
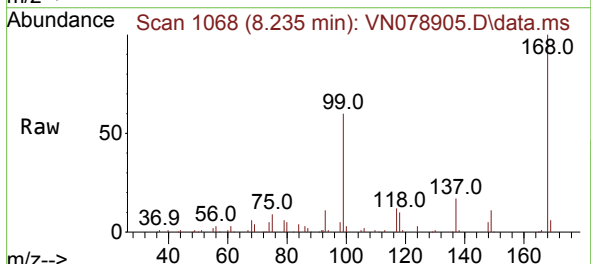
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

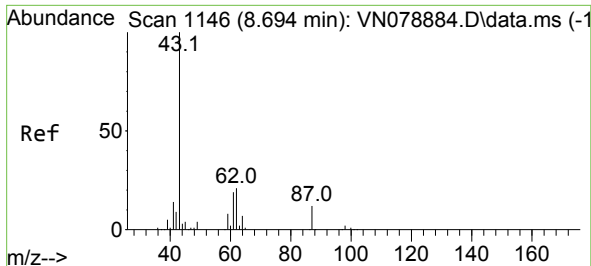
Tgt Ion: 75 Resp: 15987
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

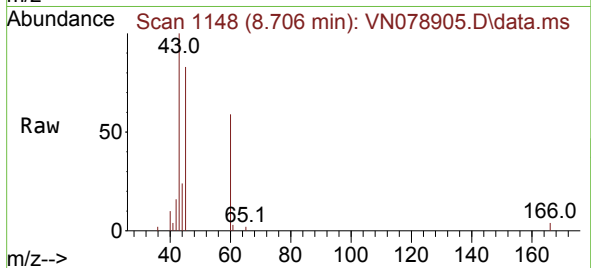
Tgt Ion: 117 Resp: 17569
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#



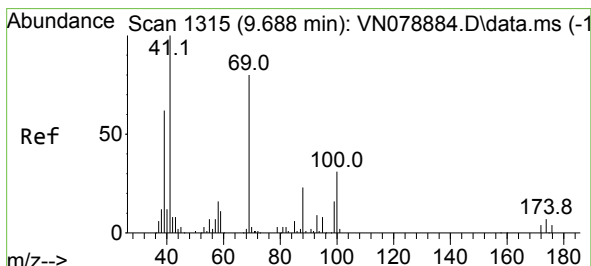
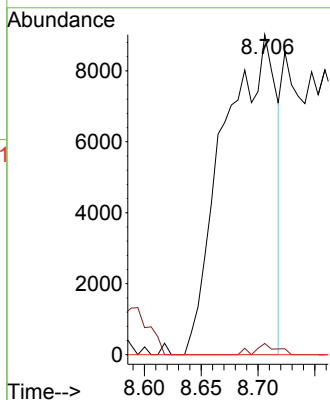
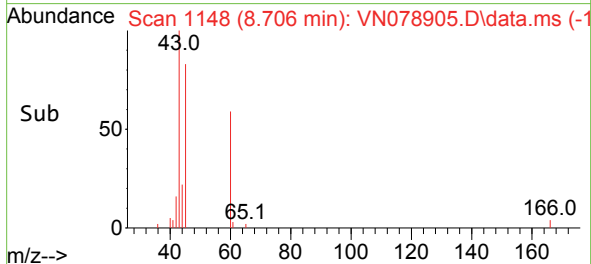


#43
Isopropyl Acetate
Concen: 4.595 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

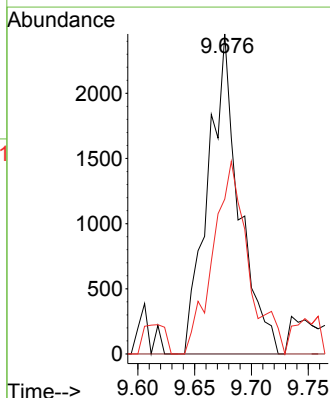
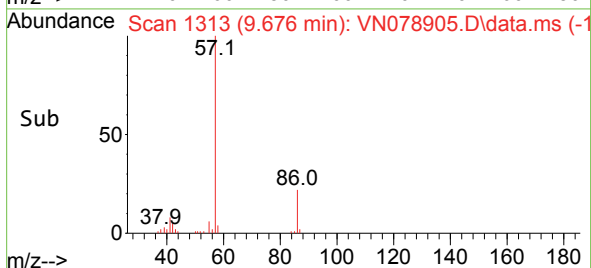
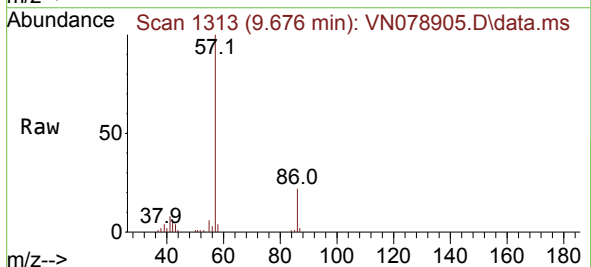


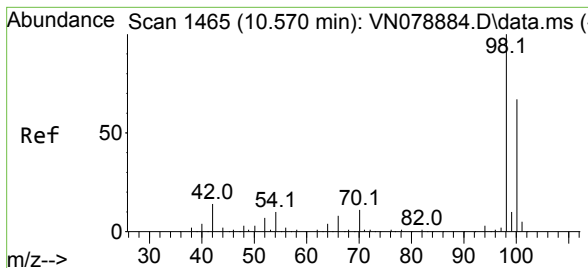
Tgt Ion: 43 Resp: 29144
Ion Ratio Lower Upper
43 100
61 1.4 24.7 37.1#
87 0.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.627 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 41 Resp: 4676
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 68.1 54.6 81.8

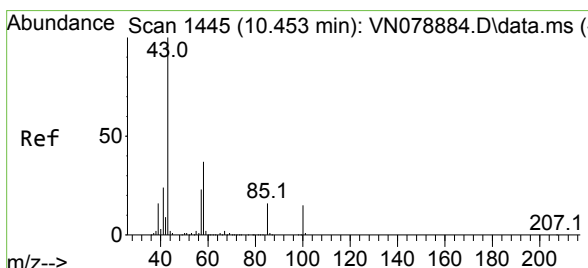
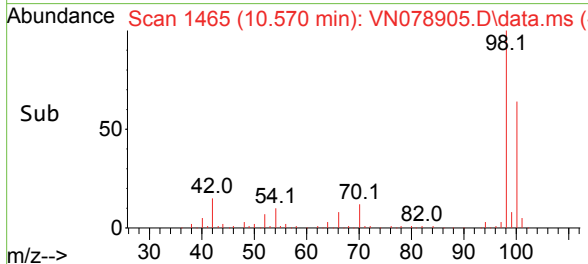
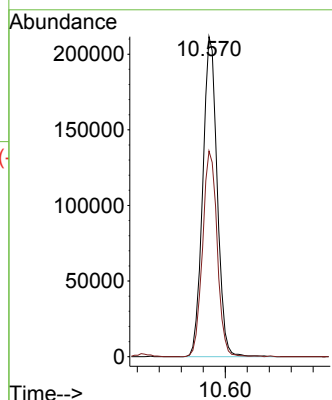
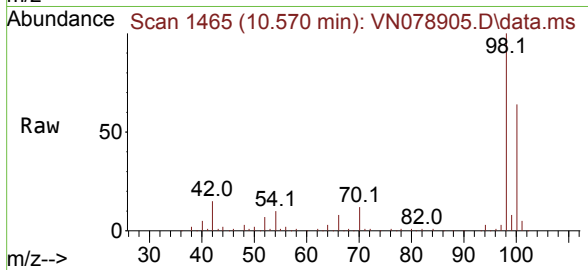




#50
Toluene-d8
Concen: 48.638 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

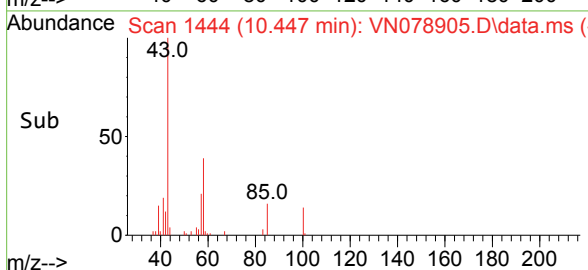
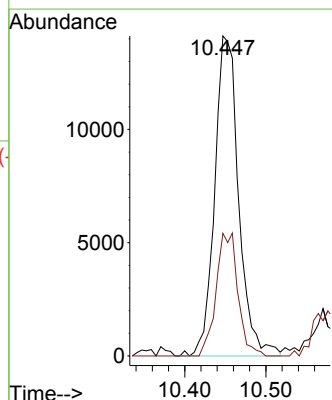
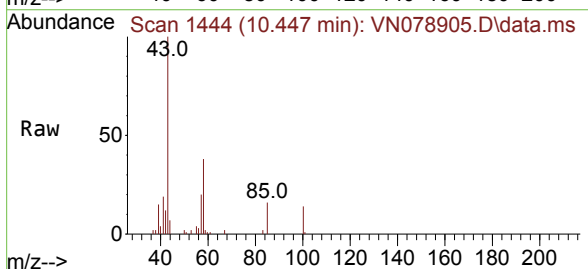
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

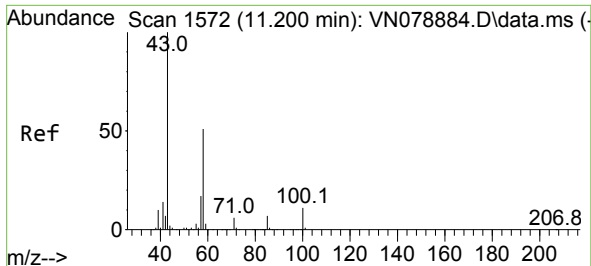
Tgt Ion: 98 Resp: 385052
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 7.709 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 43 Resp: 28999
Ion Ratio Lower Upper
43 100
58 35.0 36.6 54.8#

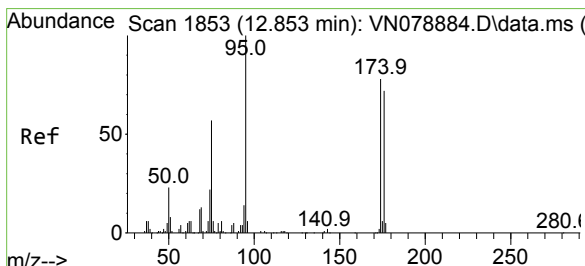
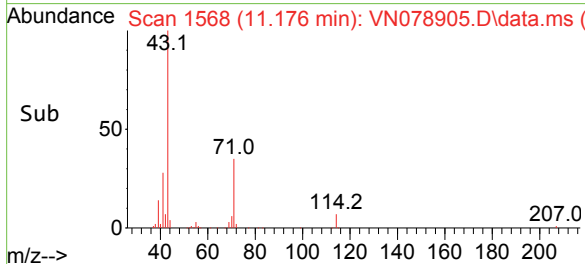
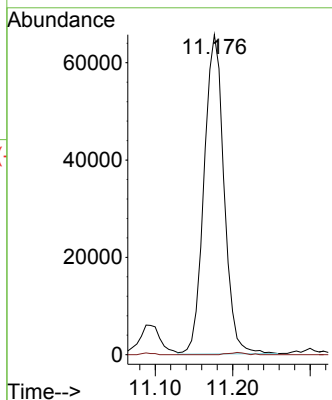
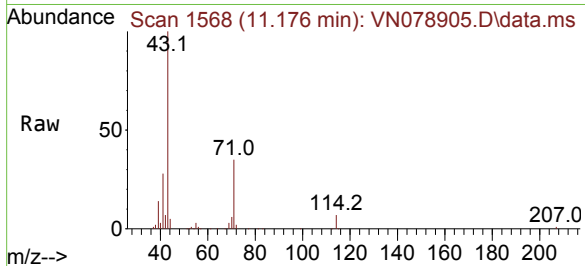




#59
2-Hexanone
Concen: 43.131 ug/l
RT: 11.176 min Scan# 117516
Delta R.T. -0.024 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

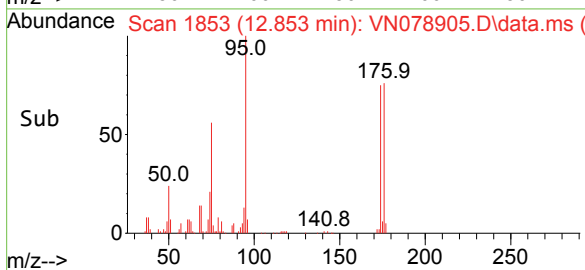
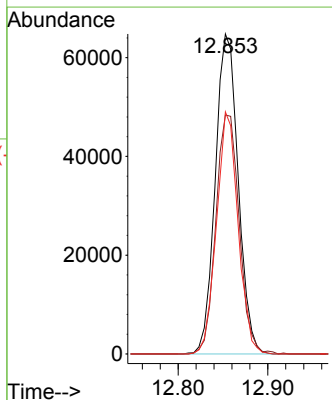
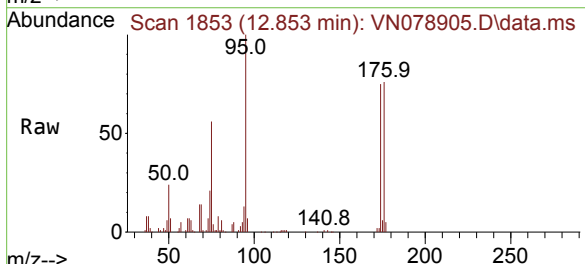
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

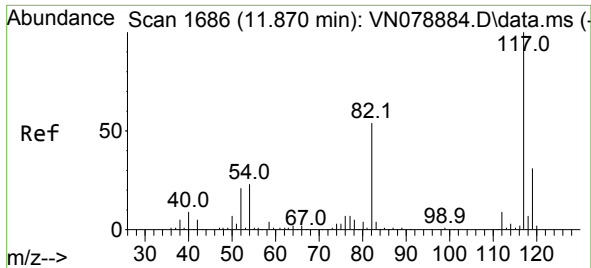
Tgt Ion: 43 Resp: 117516
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.385 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 95 Resp: 114854
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 71.3 0.0 135.8

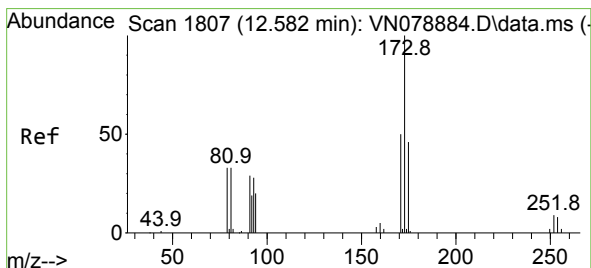
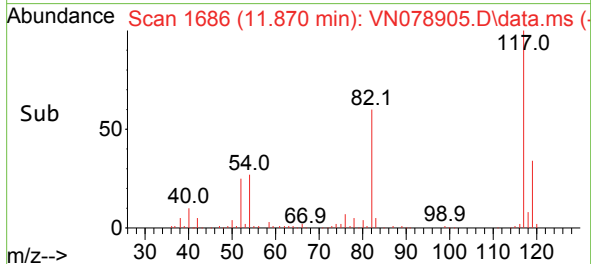
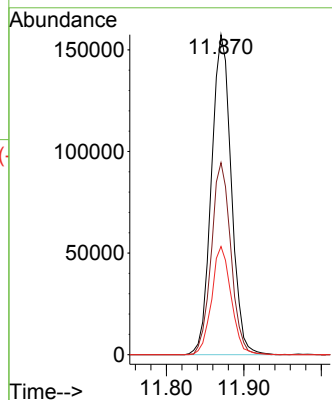
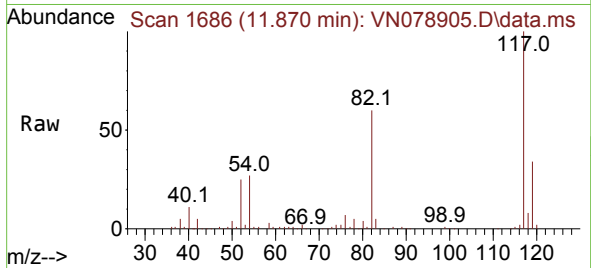




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

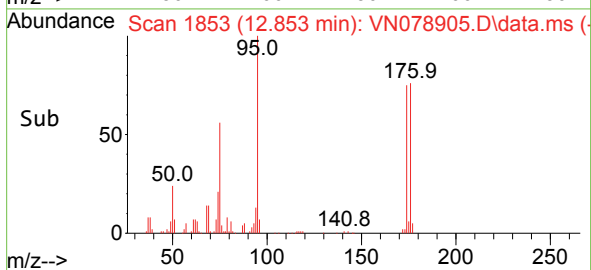
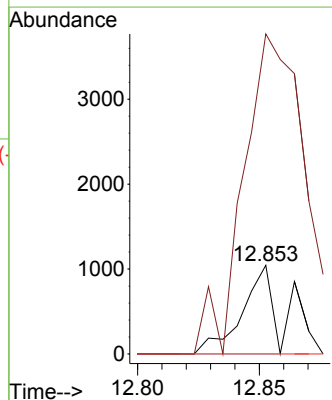
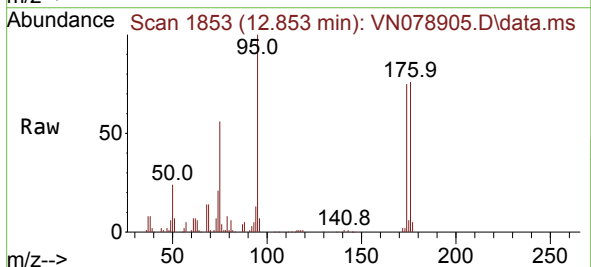
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

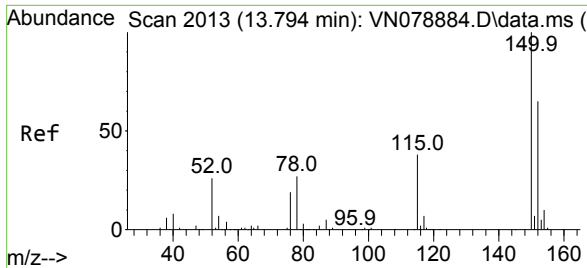
Tgt Ion:117 Resp: 279910
Ion Ratio Lower Upper
117 100
82 60.0 44.0 66.0
119 33.8 25.6 38.4



#71
Bromoform
Concen: 0.533 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion:173 Resp: 873
Ion Ratio Lower Upper
173 100
175 501.8 24.3 73.0#
254 0.0 0.0 0.0

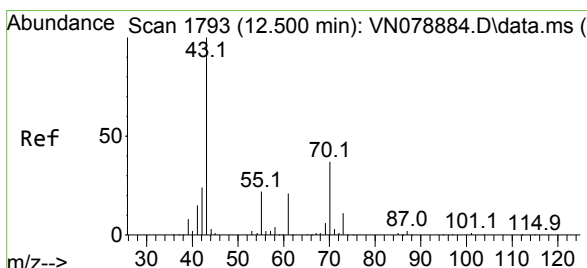
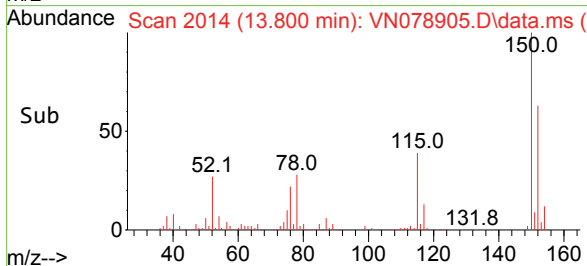
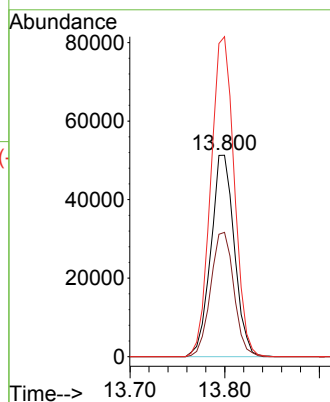
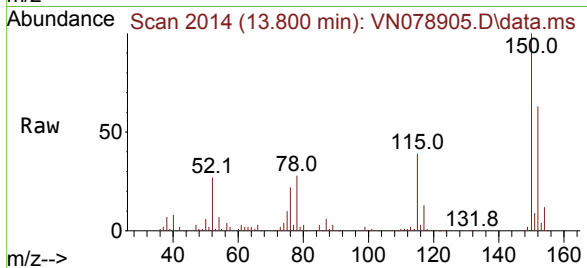




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

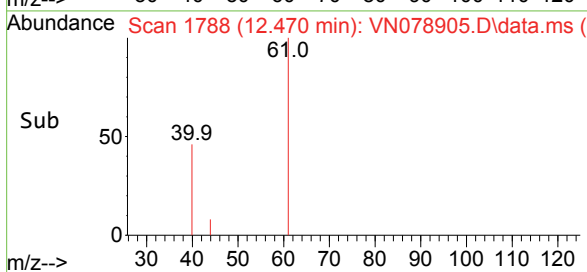
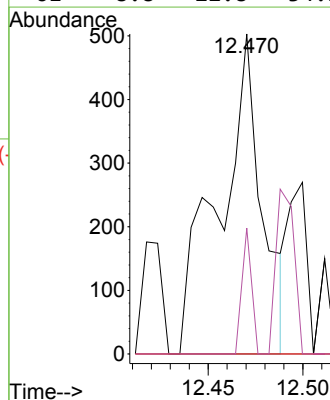
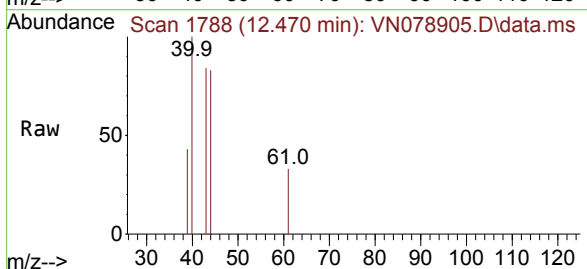
Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

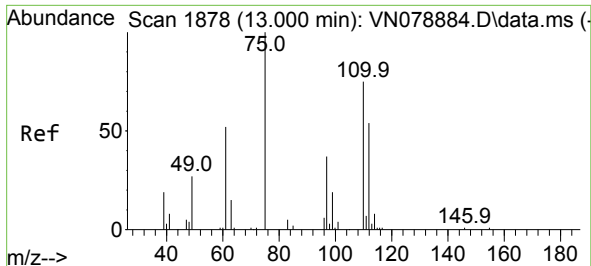
Tgt Ion:152 Resp: 88677
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 158.5 0.0 355.8



#74
N-ethyl acetate
Concen: 0.212 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.030 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 8.8 22.8 34.2#

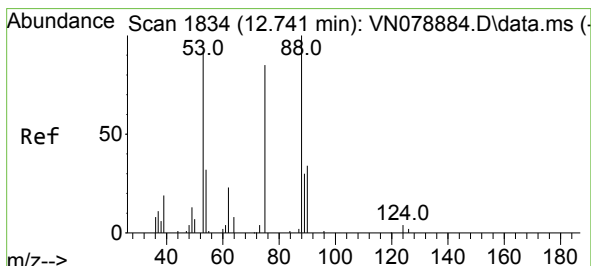
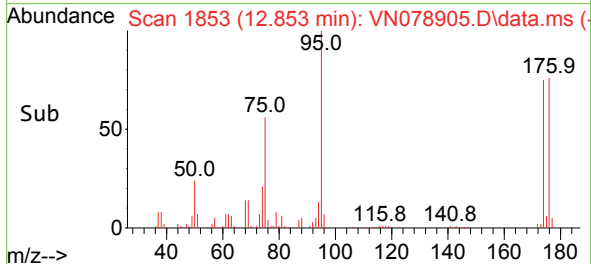
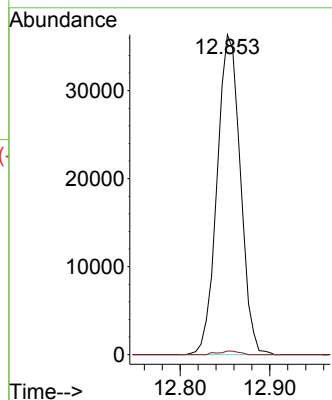
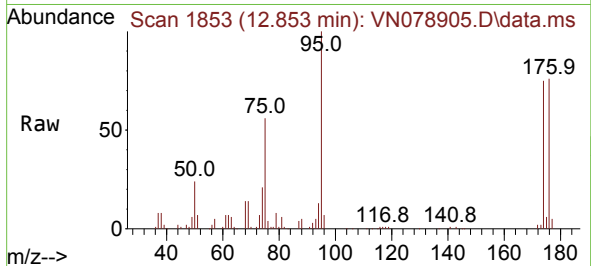




#76
 1,2,3-Trichloropropane
 Concen: 30.688 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078905.D
 Acq: 16 Aug 2023 16:05

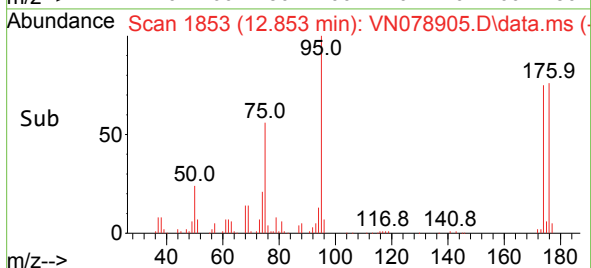
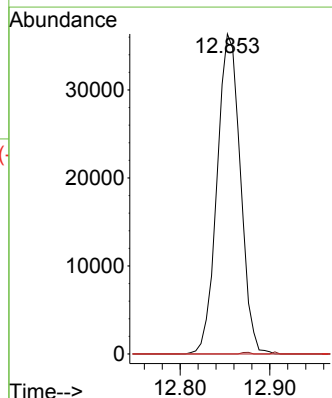
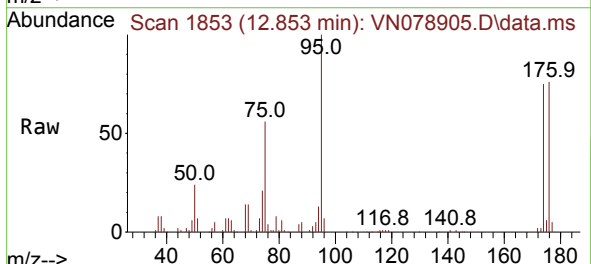
Instrument :
 MSVOA_N
 ClientSampleId :
 CONC-COMP

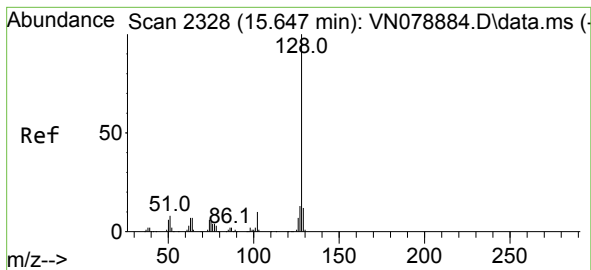
Tgt Ion: 75 Resp: 65570
 Ion Ratio Lower Upper
 75 100
 77 1.0 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.394 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078905.D
 Acq: 16 Aug 2023 16:05

Tgt Ion: 75 Resp: 65570
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.619 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078905.D
Acq: 16 Aug 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
CONC-COMP

Tgt Ion:128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

