

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061223\
 Data File : VN078169.D
 Acq On : 12 Jun 2023 16:18
 Operator : JC\MD
 Sample : 03117-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2GA

Quant Time: Jun 13 01:34:26 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)

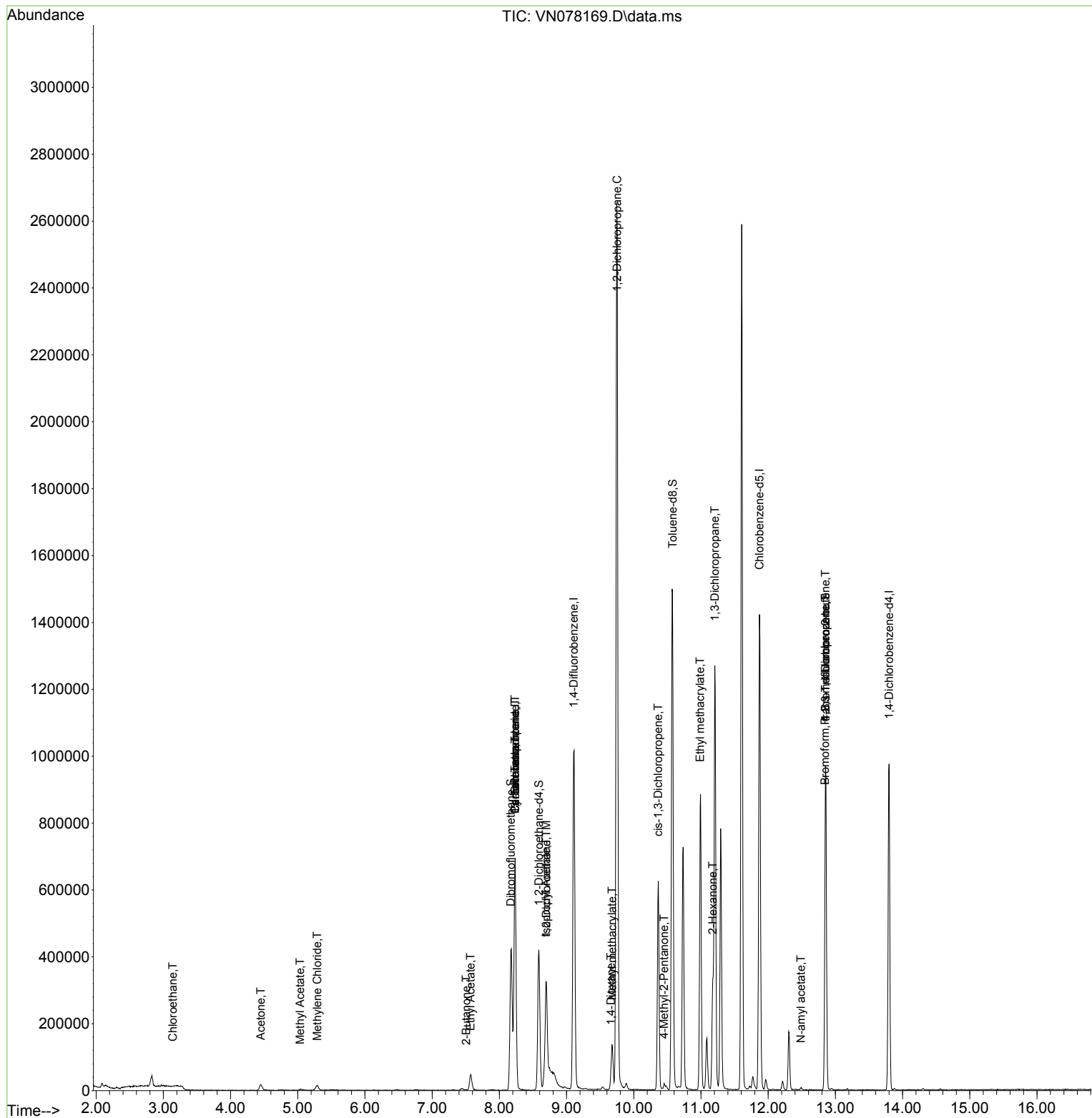
Internal Standards						
1) Pentafluorobenzene	8.235	168	485978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	913126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	848964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	263241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	345071	53.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.520%			
35) Dibromofluoromethane	8.171	113	310107	53.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.420%			
50) Toluene-d8	10.576	98	1107496	49.758	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.853	95	350424	50.644	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.280%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	964	Below Cal	#	83
6) Chloroethane	3.142	64	1076	0.219	ug/l #	43
16) Acetone	4.447	43	30291	16.241	ug/l #	84
18) Methyl Acetate	5.036	43	4151	0.483	ug/l #	63
20) Methylene Chloride	5.289	84	11611	1.884	ug/l #	89
25) 2-Butanone	7.506	43	2253	0.786	ug/l #	66
31) Cyclohexane	8.235	56	12491	1.503	ug/l #	20
36) 1,1-Dichloropropene	8.235	75	40553	4.897	ug/l #	49
37) Ethyl Acetate	7.571	43	69340	10.718	ug/l	95
38) Carbon Tetrachloride	8.235	117	51979	5.944	ug/l #	18
42) 1,2-Dichloroethane	8.700	62	2440	0.288	ug/l #	73
43) Isopropyl Acetate	8.694	43	427320	34.537	ug/l #	75
45) 1,2-Dichloropropane	9.753	63	3286	0.534	ug/l #	45
48) Methyl methacrylate	9.677	41	8254	1.590	ug/l #	30
49) 1,4-Dioxane	9.659	88	56	0.513	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9745	1.496	ug/l	95
54) cis-1,3-Dichloropropene	10.365	75	117579	12.135	ug/l #	65
56) Ethyl methacrylate	10.988	69	3396	0.395	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	13869	1.391	ug/l #	42
59) 2-Hexanone	11.176	43	249705	55.043	ug/l #	19
71) Bromoform	12.847	173	1528	0.354	ug/l #	1
74) N-amyl acetate	12.488	43	1910	0.233	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.965	83	98	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	189366	30.429	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	189366	93.489	ug/l #	15

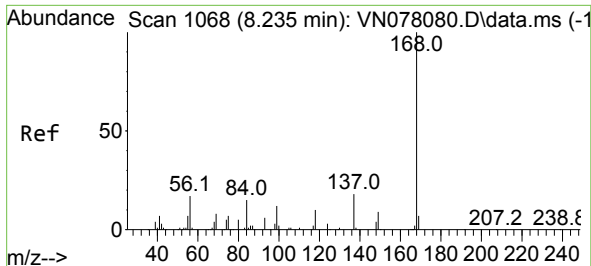
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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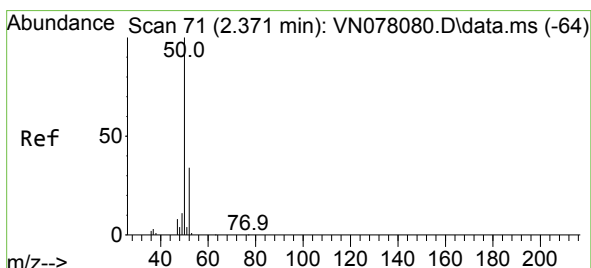
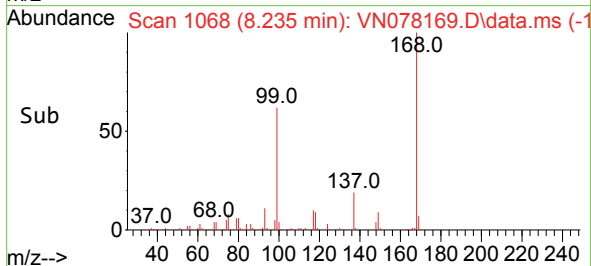
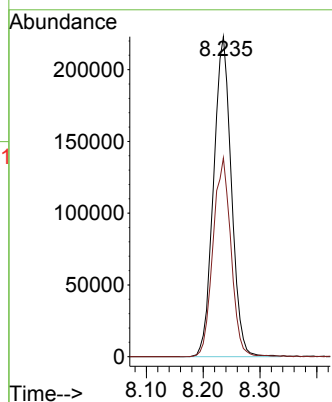
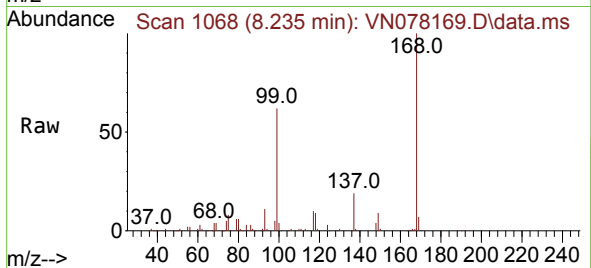




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

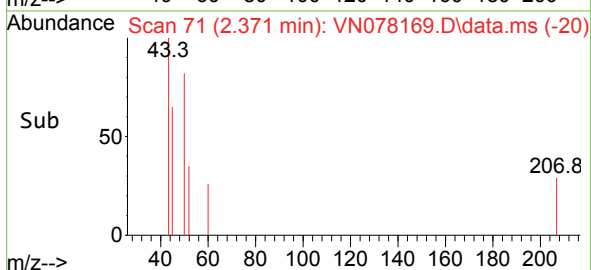
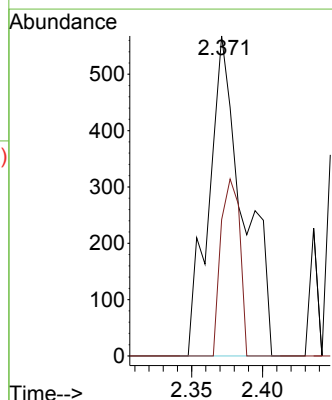
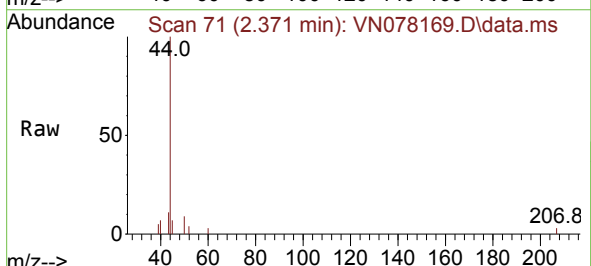
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

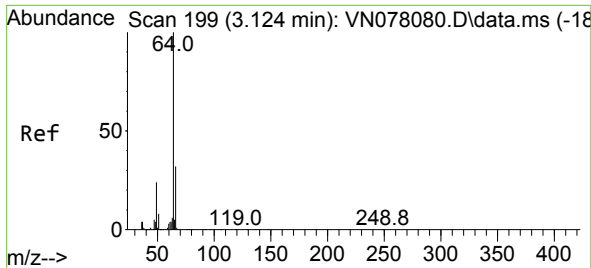
Tgt Ion:168 Resp: 485978
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 50 Resp: 964
Ion Ratio Lower Upper
50 100
52 42.6 26.5 39.7#

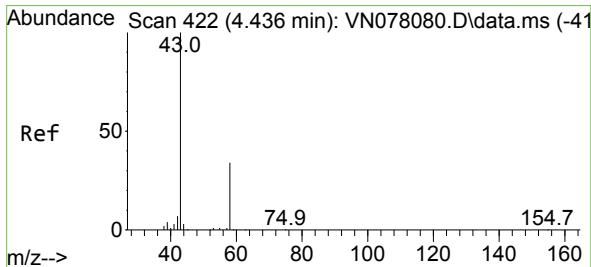
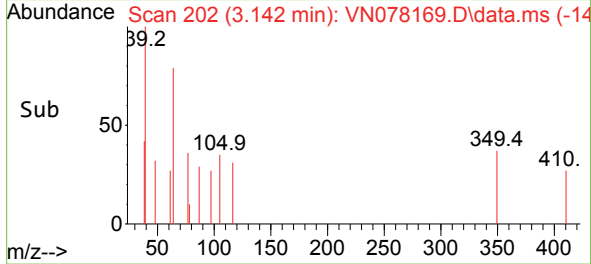
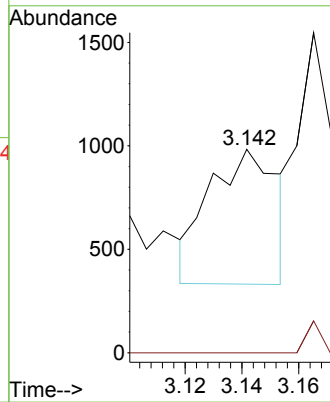
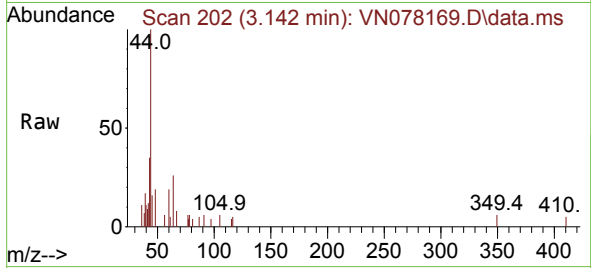




#6
Chloroethane
Concen: 0.219 ug/l
RT: 3.142 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

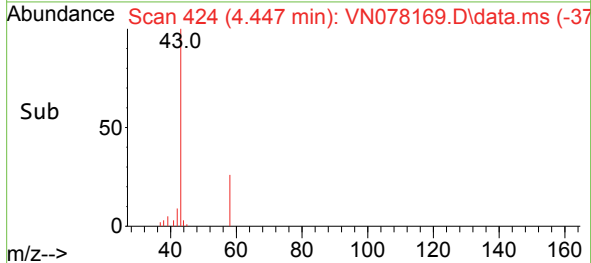
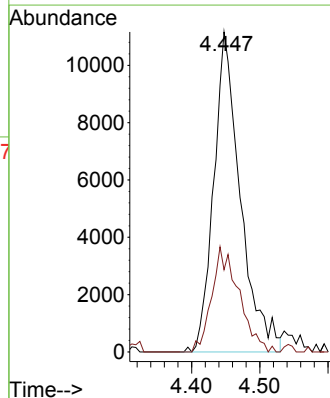
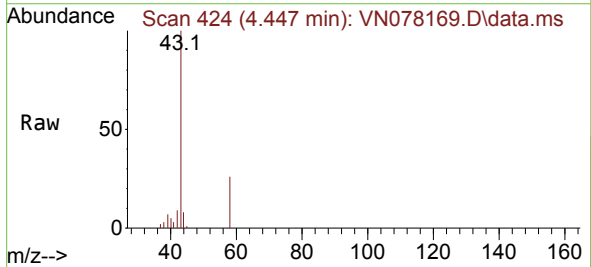
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

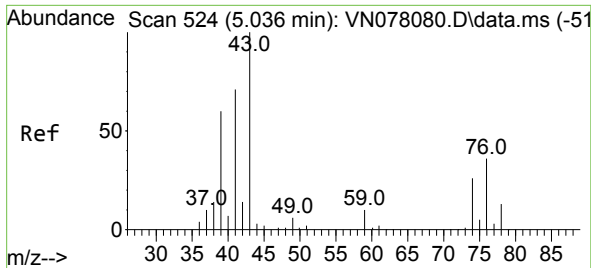
Tgt Ion: 64 Resp: 1076
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 16.241 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 43 Resp: 30291
Ion Ratio Lower Upper
43 100
58 25.7 28.0 42.0#

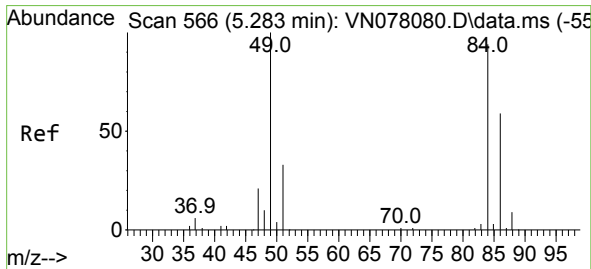
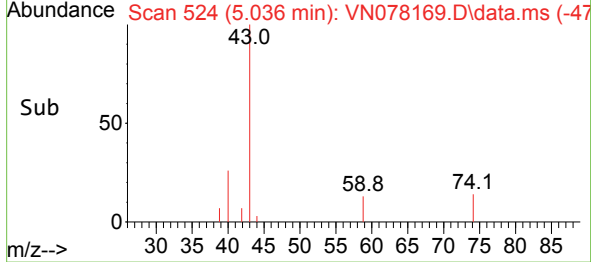
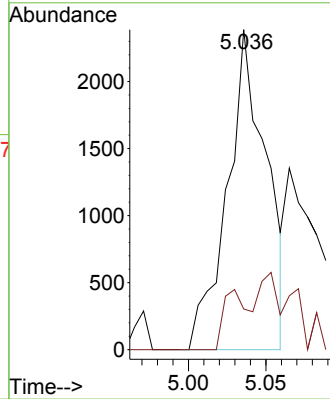
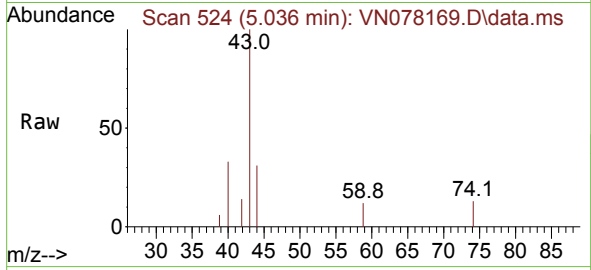




#18
Methyl Acetate
Concen: 0.483 ug/l
RT: 5.036 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

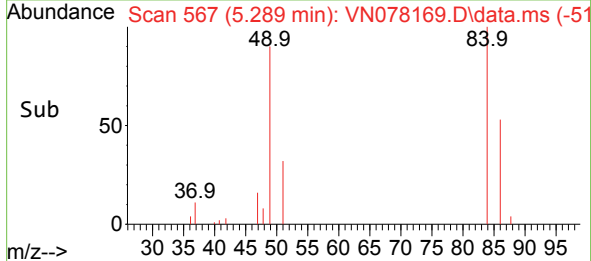
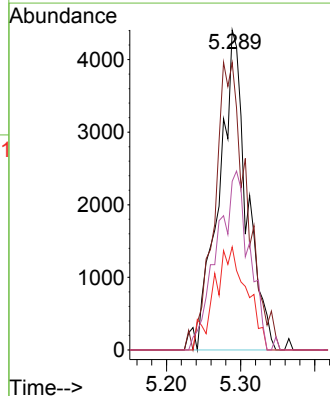
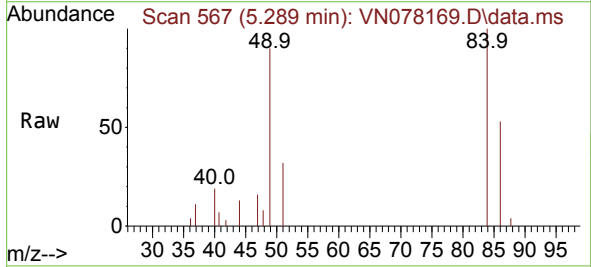
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

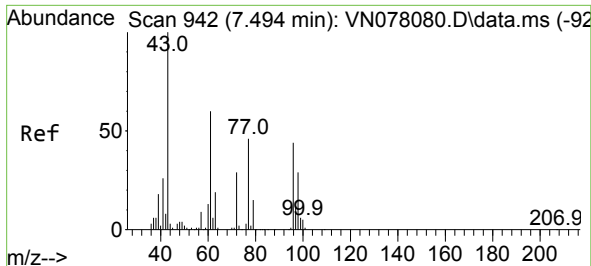
Tgt Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
74 12.2 26.2 39.4#



#20
Methylene Chloride
Concen: 1.884 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 84 Resp: 11611
Ion Ratio Lower Upper
84 100
49 89.8 79.7 119.5
51 32.2 25.2 37.8
86 52.7 53.3 79.9#

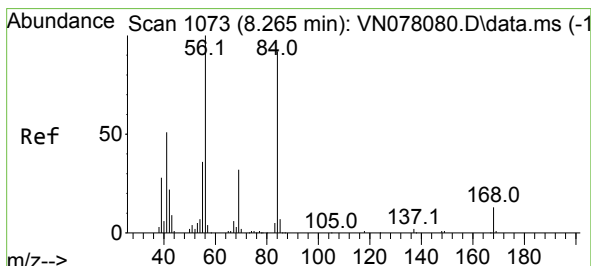
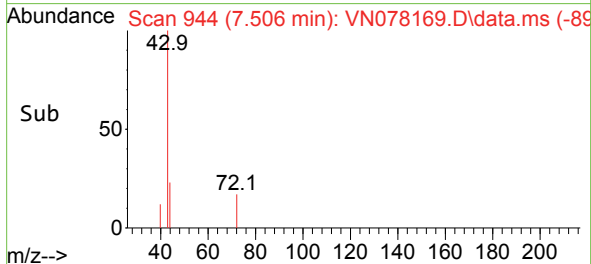
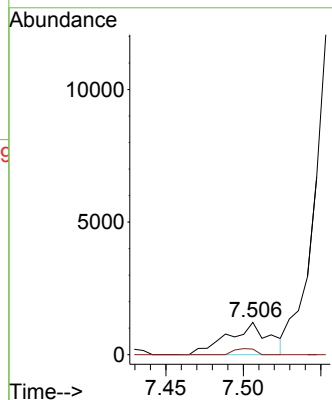
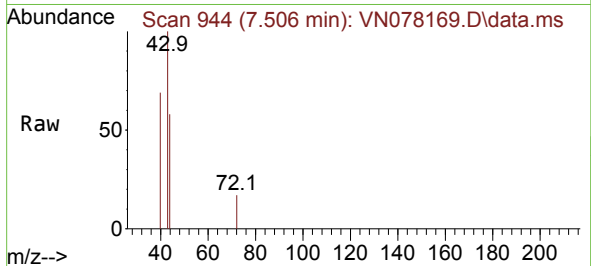




#25
2-Butanone
Concen: 0.786 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

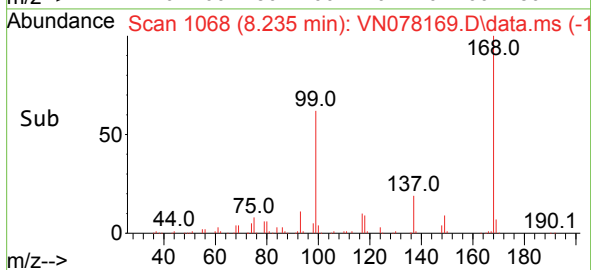
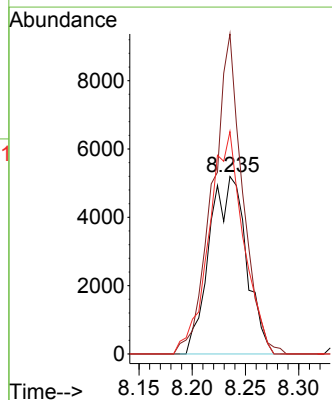
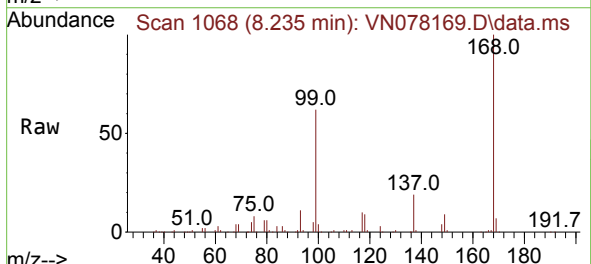
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

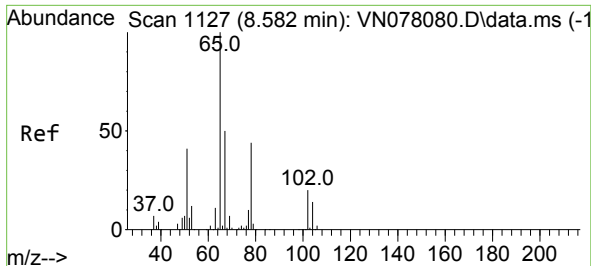
Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
72 17.1 30.2 45.2#



#31
Cyclohexane
Concen: 1.503 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 56 Resp: 12491
Ion Ratio Lower Upper
56 100
69 177.2 26.8 40.2#
84 125.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.255 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

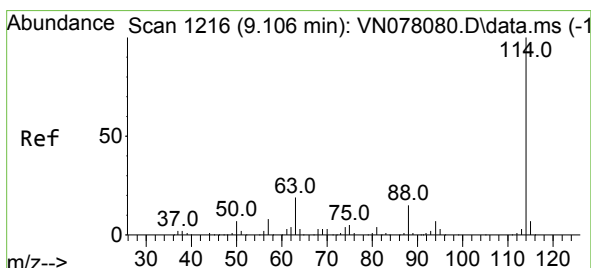
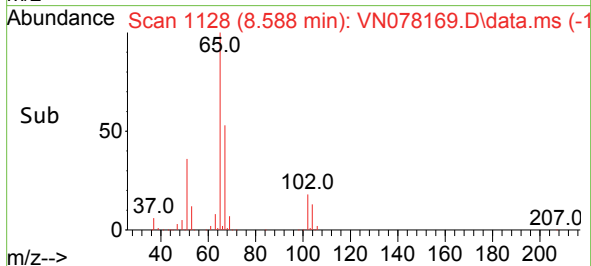
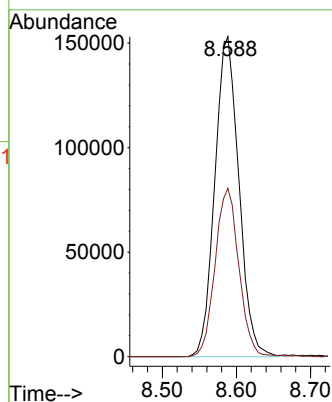
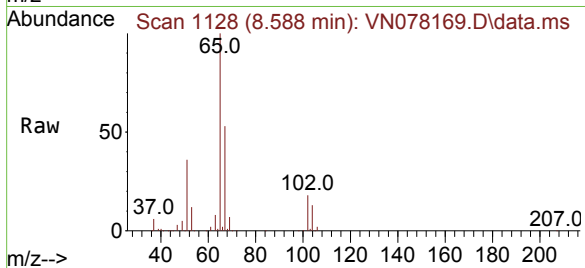
TP-2GA

Tgt Ion: 65 Resp: 345071

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

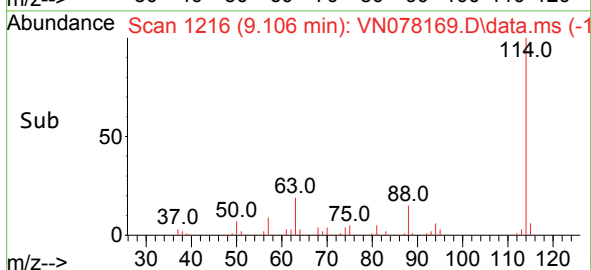
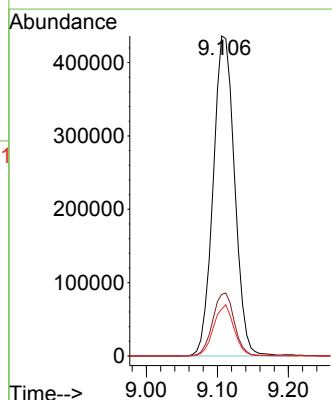
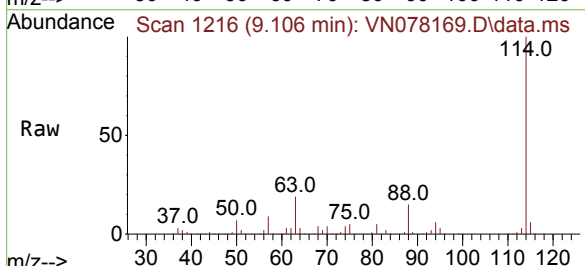
Tgt Ion: 114 Resp: 913126

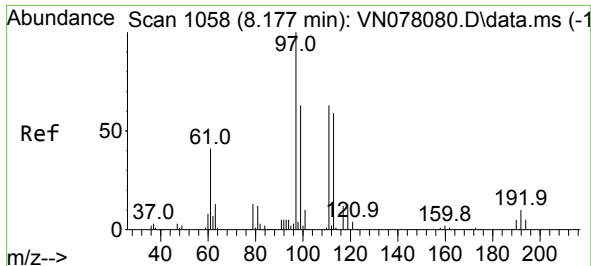
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 14.6 0.0 30.6

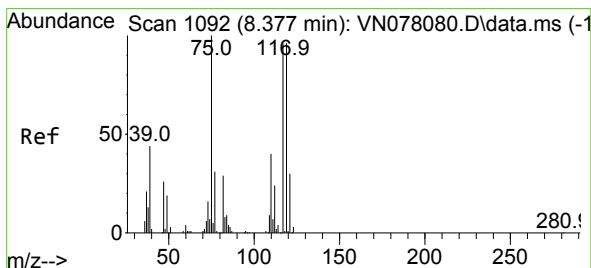
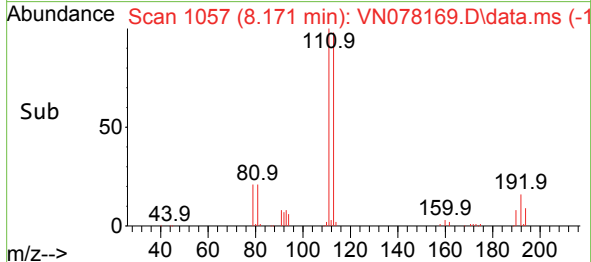
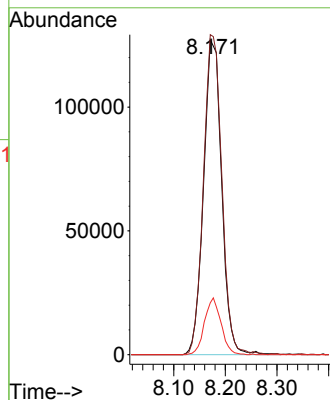
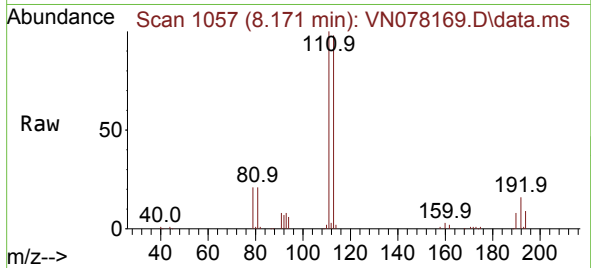




#35
 Dibromofluoromethane
 Concen: 53.711 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.006 min
 Lab File: VN078169.D
 Acq: 12 Jun 2023 16:18

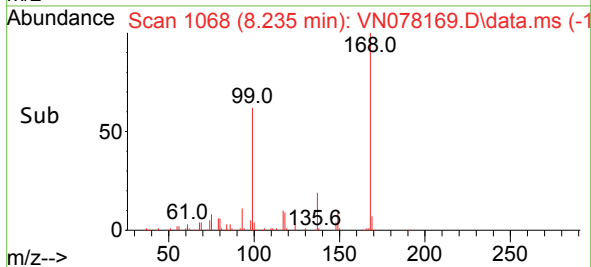
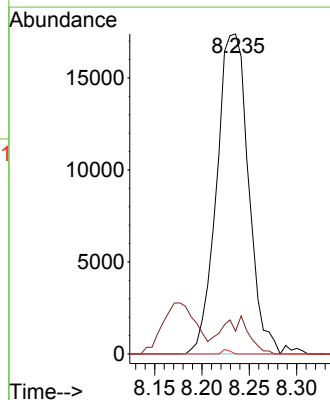
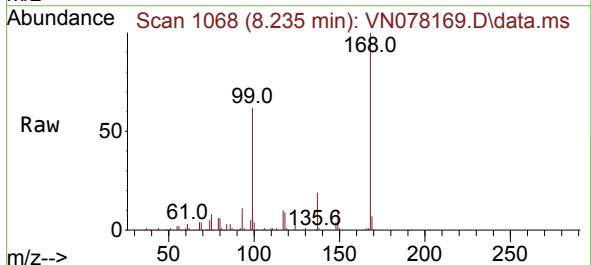
Instrument :
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 TP-2GA

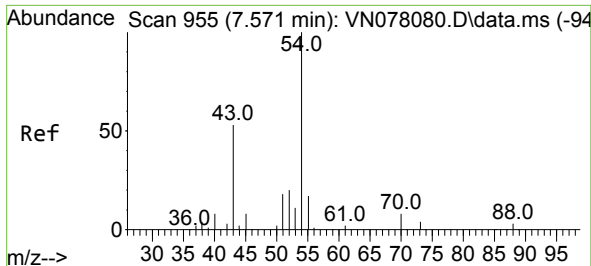
Tgt Ion:113 Resp: 310107
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 16.5 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078169.D
 Acq: 12 Jun 2023 16:18

Tgt Ion: 75 Resp: 40553
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.3#
 77 0.3 25.0 37.4#

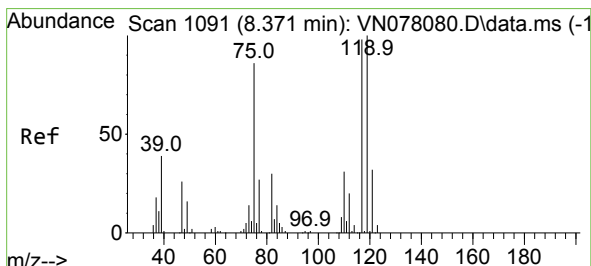
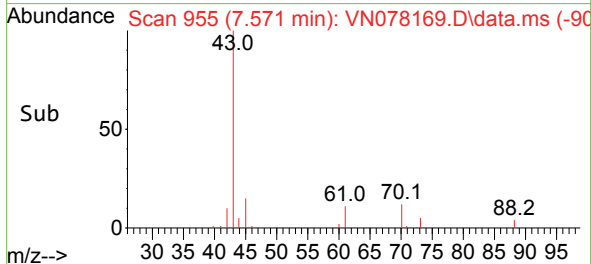
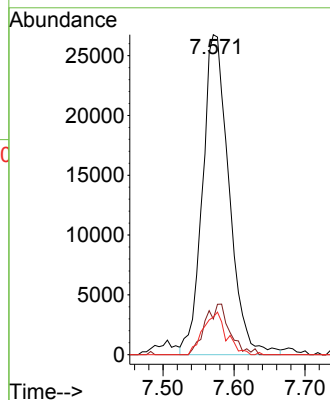
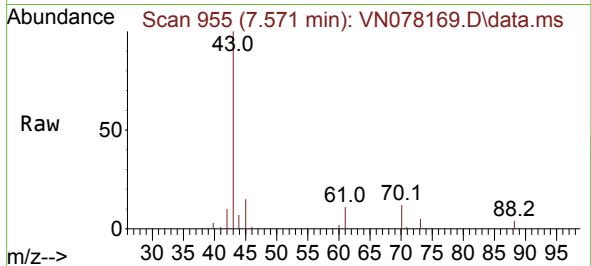




#37
Ethyl Acetate
Concen: 10.718 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

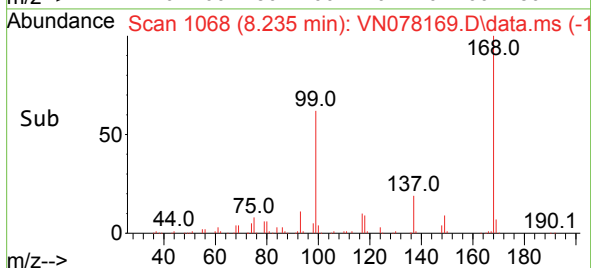
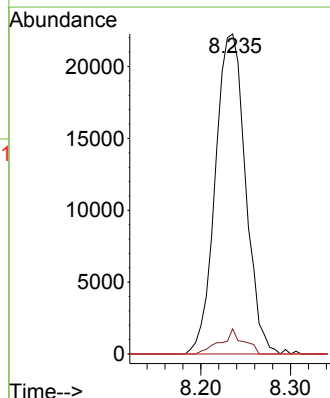
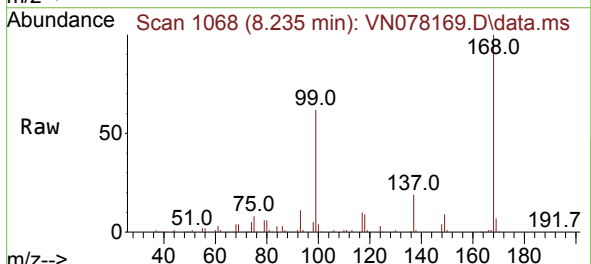
Instrument :
MSVOA_N
ClientSampleId :
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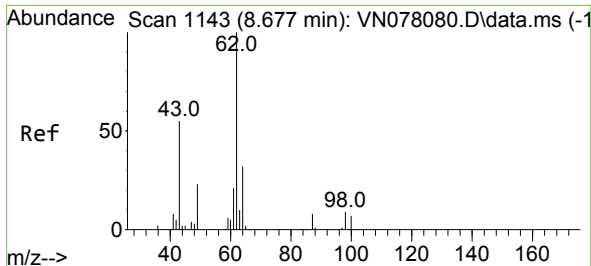
Tgt Ion:	43	Resp:	69340
Ion	Ratio	Lower	Upper
43	100		
61	14.8	13.2	19.8
70	11.6	11.3	16.9



#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion:	117	Resp:	51979
Ion	Ratio	Lower	Upper
117	100		
119	7.9	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.288 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.024 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

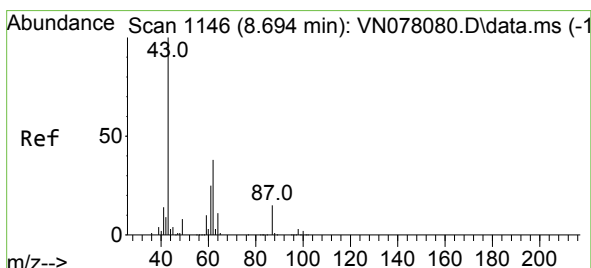
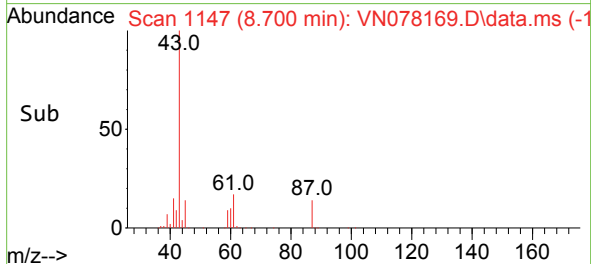
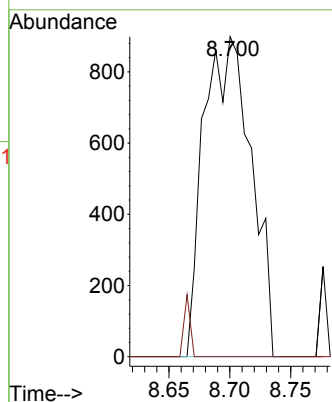
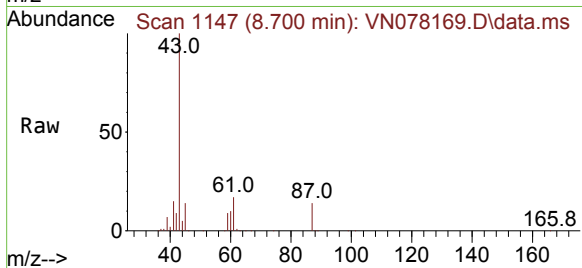
TP-2GA

Tgt Ion: 62 Resp: 2440

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 34.537 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

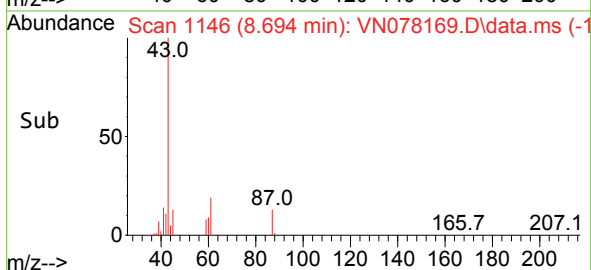
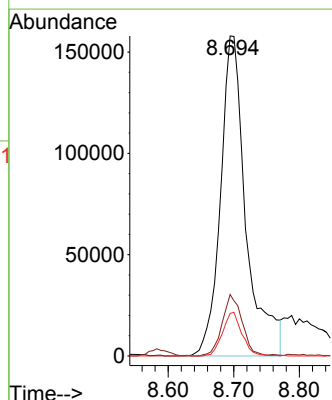
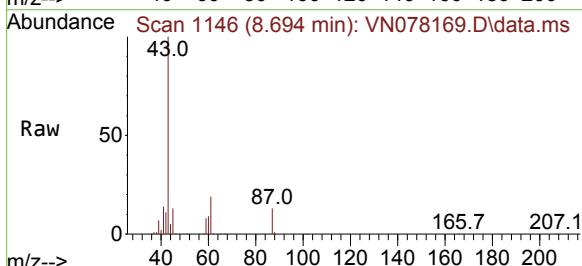
Tgt Ion: 43 Resp: 427320

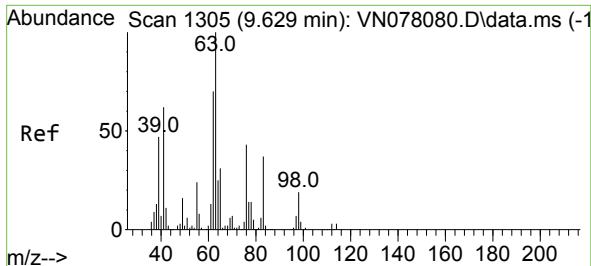
Ion Ratio Lower Upper

43 100

61 15.0 24.7 37.1#

87 10.4 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.534 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.124 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

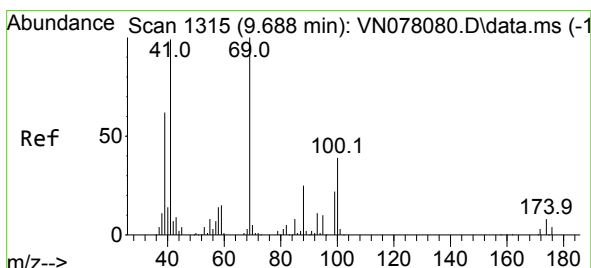
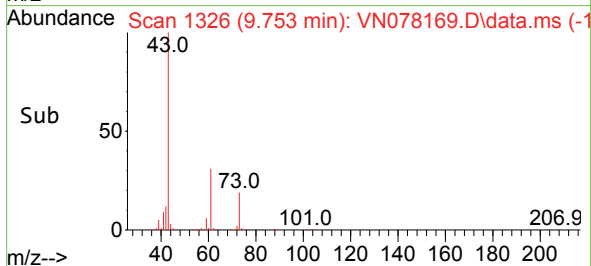
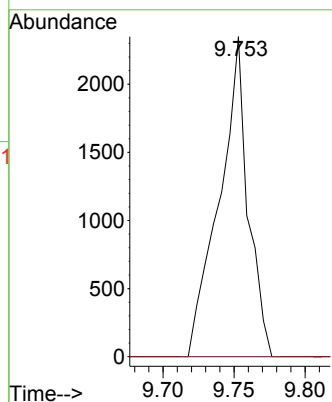
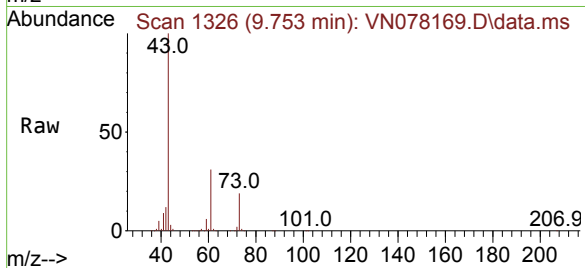
TP-2GA

Tgt Ion: 63 Resp: 3286

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.590 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN078169.D

Acq: 12 Jun 2023 16:18

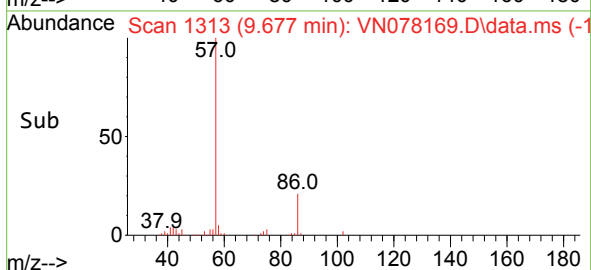
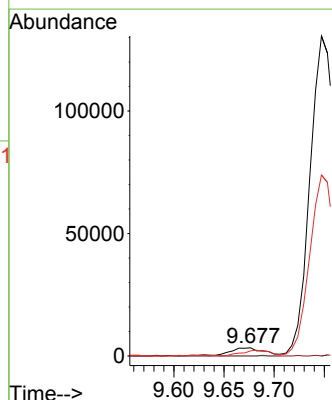
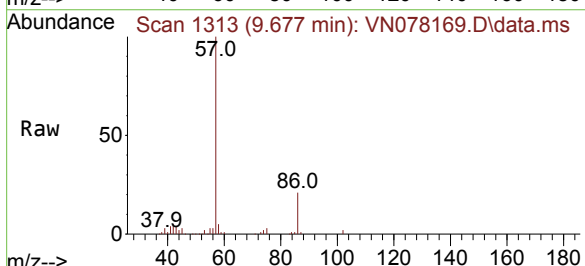
Tgt Ion: 41 Resp: 8254

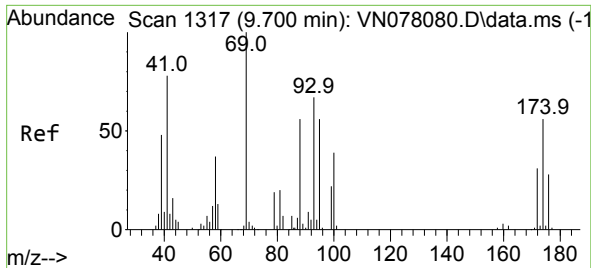
Ion Ratio Lower Upper

41 100

69 1.0 90.4 135.6#

39 57.3 54.6 81.8

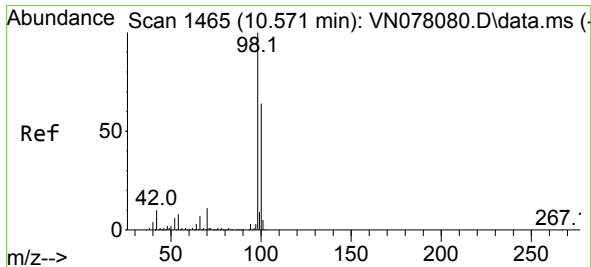
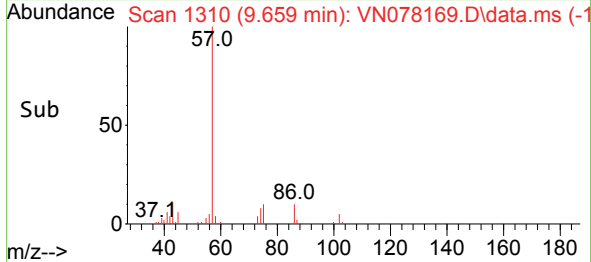
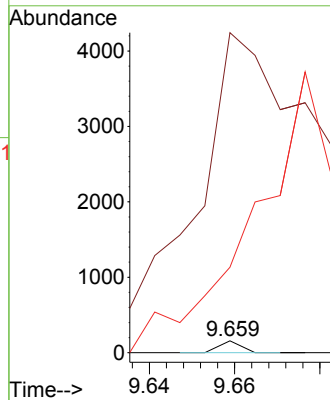
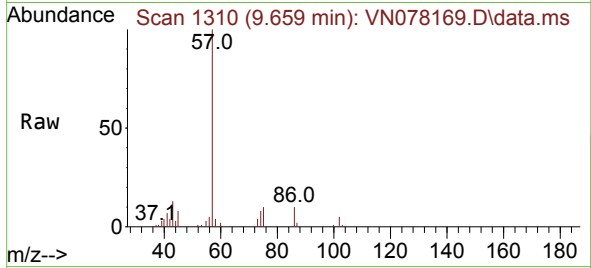




#49
1,4-Dioxane
Concen: 0.513 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

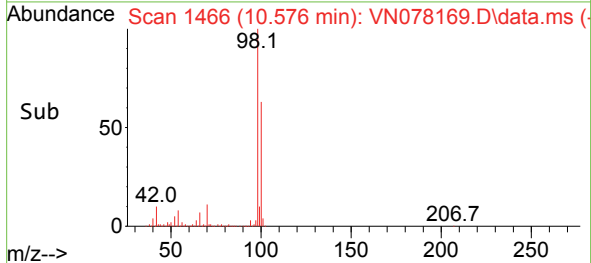
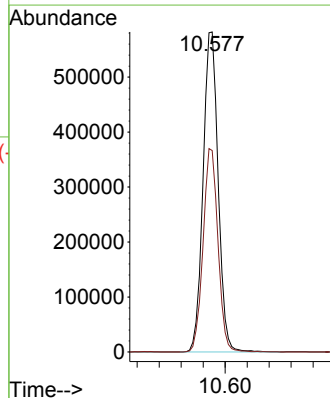
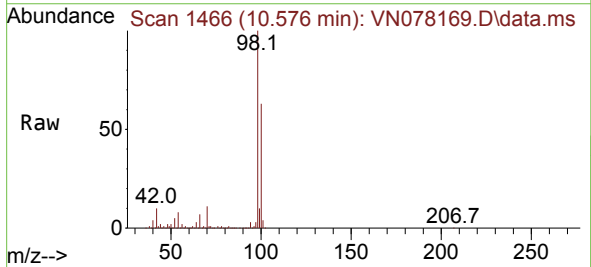
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

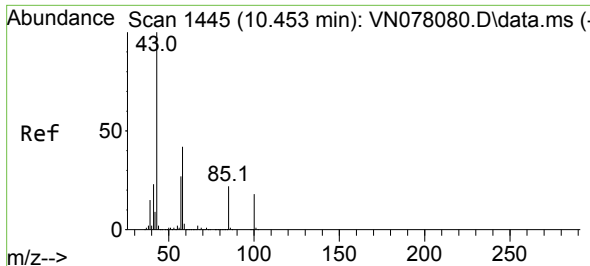
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 11678.6 47.0 70.4#



#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 98 Resp: 1107496
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

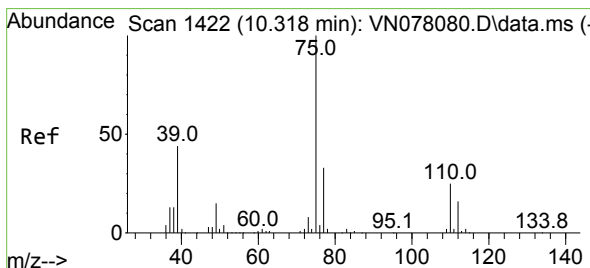
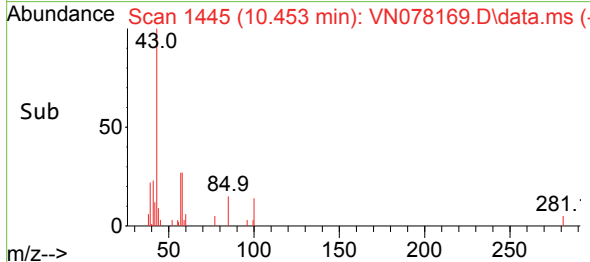
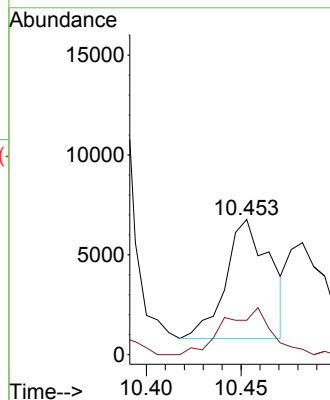
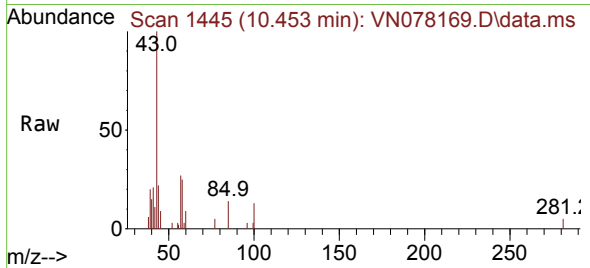




#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

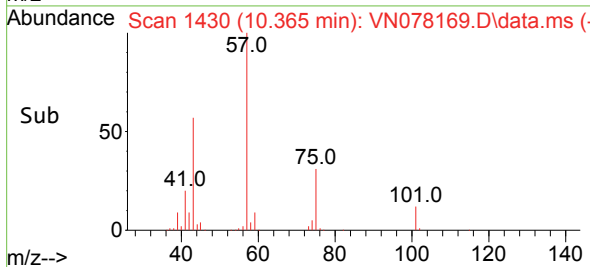
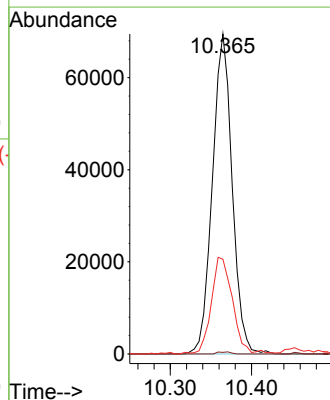
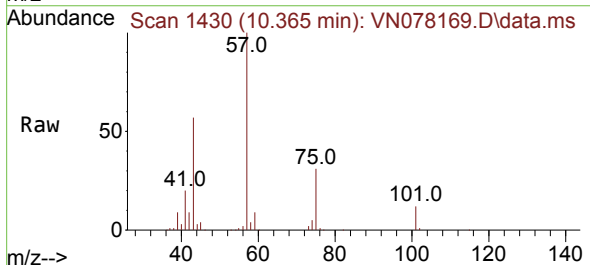
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

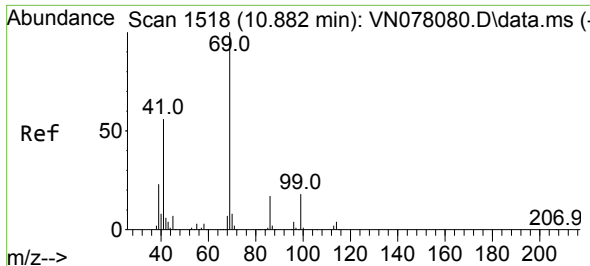
Tgt Ion: 43 Resp: 9745
Ion Ratio Lower Upper
43 100
58 42.7 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 12.135 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 75 Resp: 117579
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 29.6 31.6 47.4#

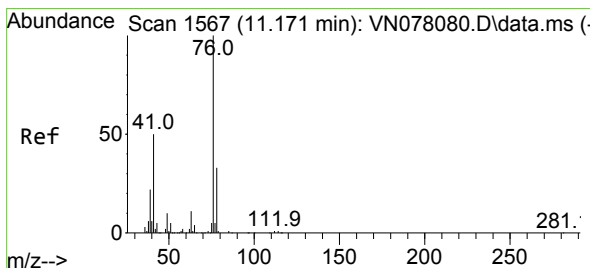
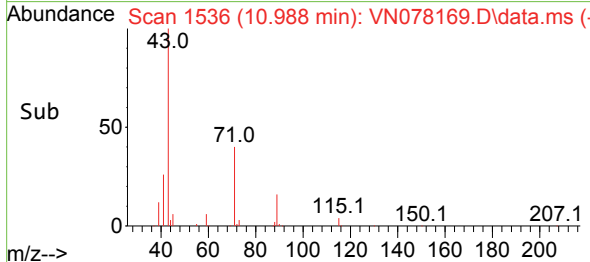
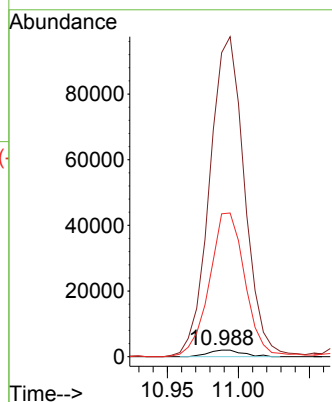
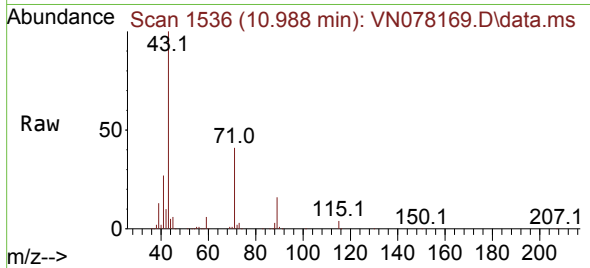




#56
Ethyl methacrylate
Concen: 0.395 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

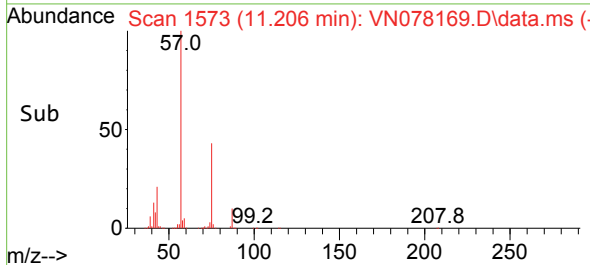
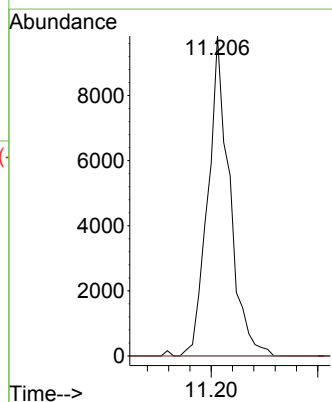
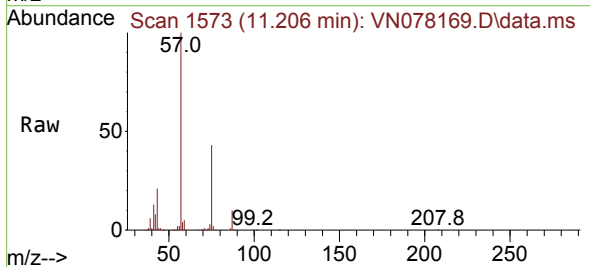
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

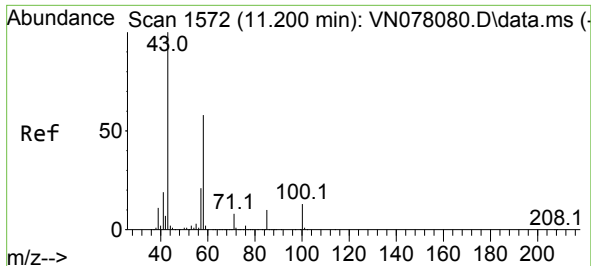
Tgt Ion: 69 Resp: 3396
Ion Ratio Lower Upper
69 100
41 4908.5 39.6 59.4#
39 2254.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.391 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 76 Resp: 13869
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

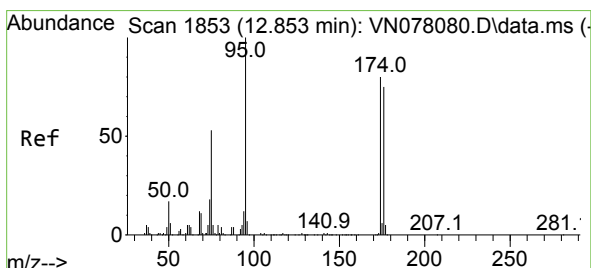
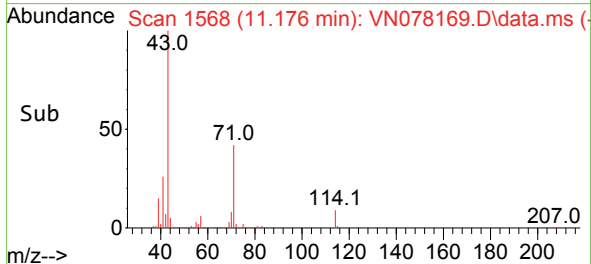
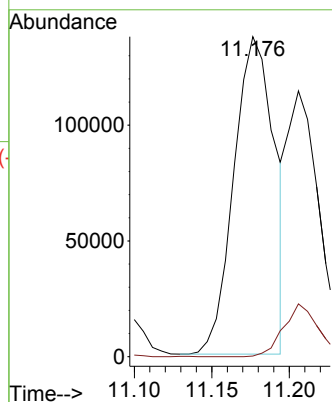
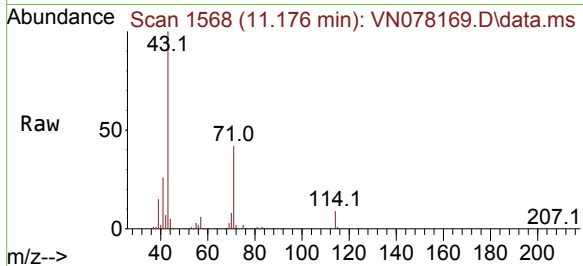




#59
2-Hexanone
Concen: 55.043 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.023 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

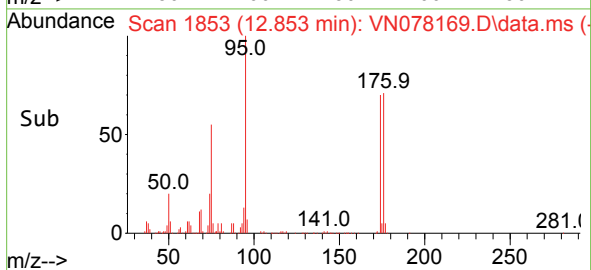
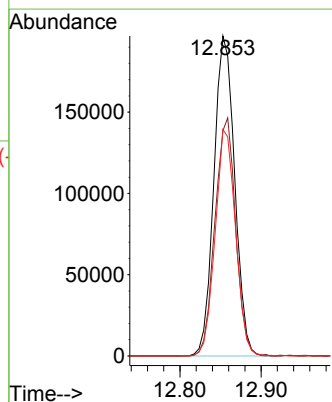
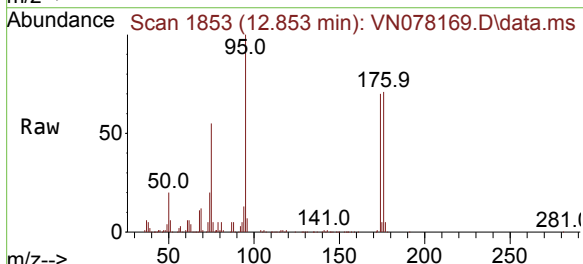
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

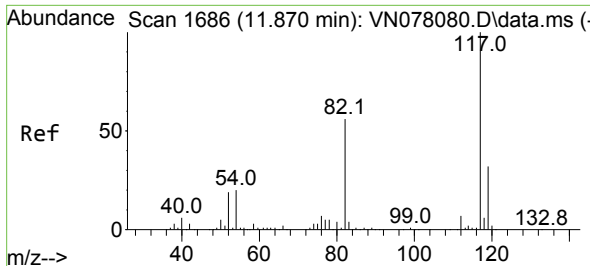
Tgt Ion: 43 Resp: 249705
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.644 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 95 Resp: 350424
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 69.4 0.0 135.8

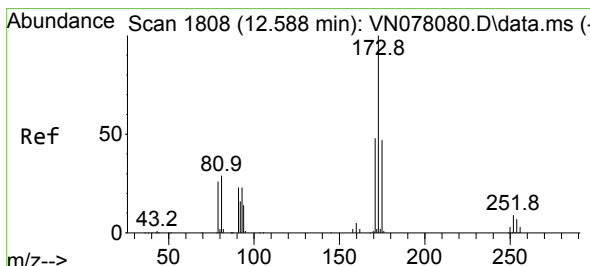
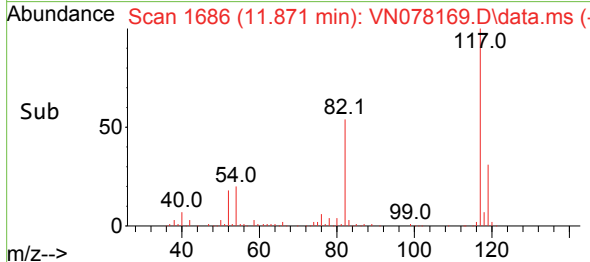
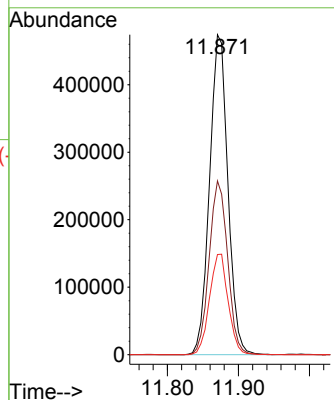
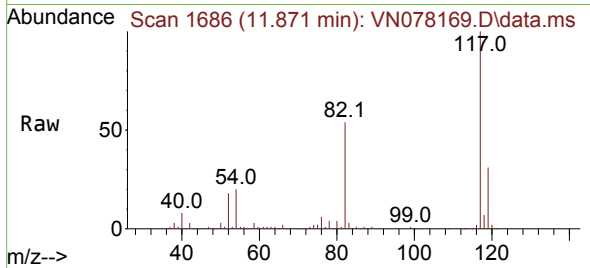




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

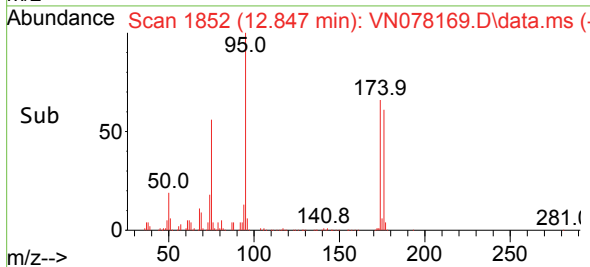
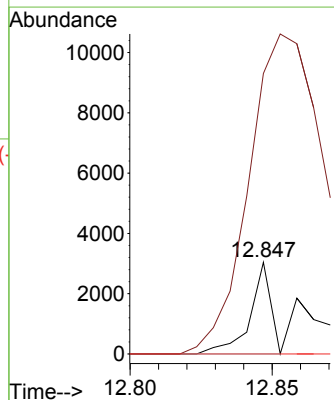
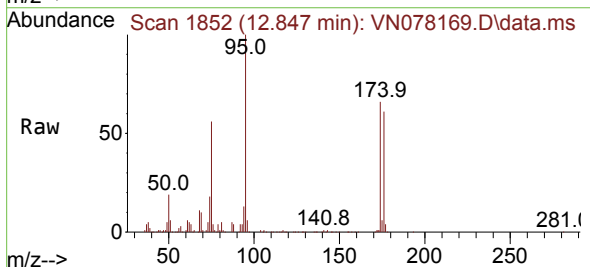
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

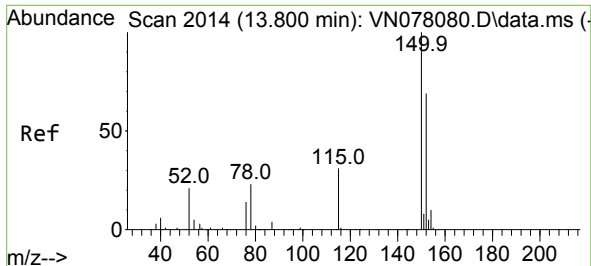
Tgt Ion:117 Resp: 848964
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.354 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.259 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion:173 Resp: 1528
Ion Ratio Lower Upper
173 100
175 1081.3 24.3 73.0#
254 0.0 0.0 0.0

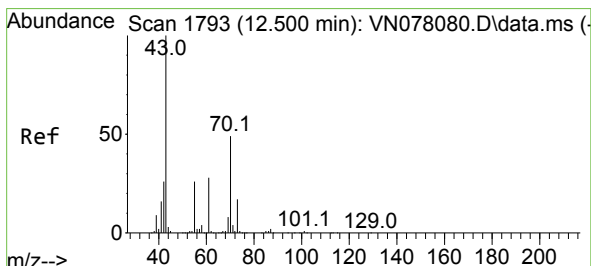
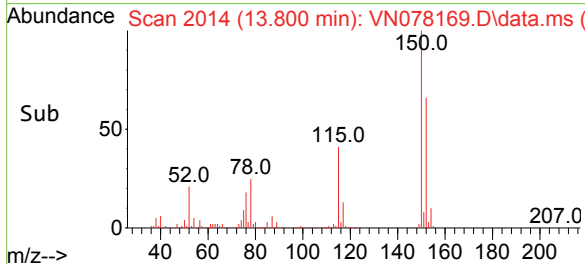
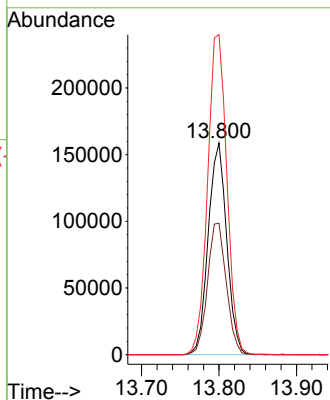
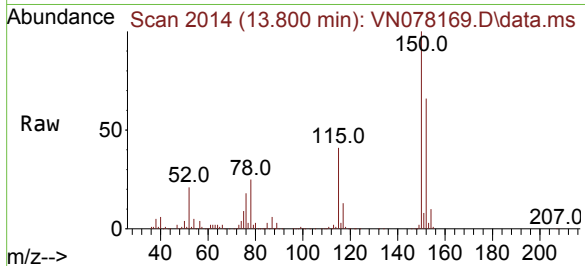




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN078169.D
 Acq: 12 Jun 2023 16:18

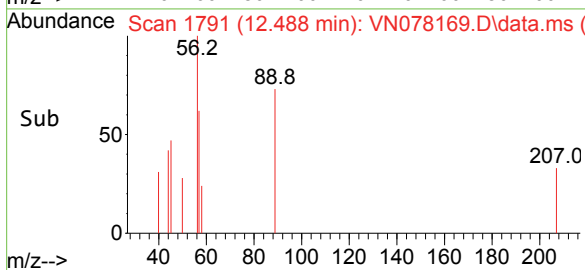
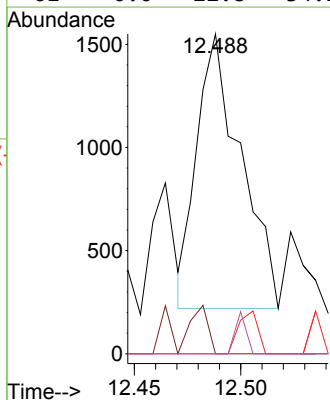
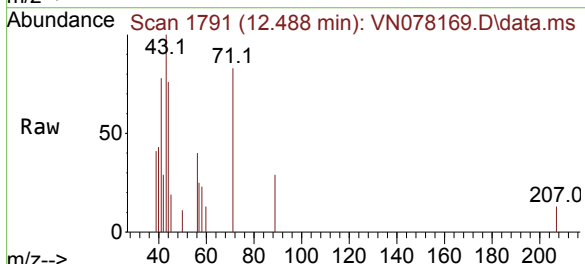
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2GA

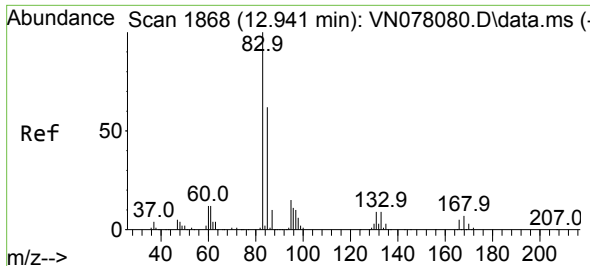
Tgt Ion:152 Resp: 263241
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.3 96.8
 150 157.0 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.233 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN078169.D
 Acq: 12 Jun 2023 16:18

Tgt Ion: 43 Resp: 1910
 Ion Ratio Lower Upper
 43 100
 70 7.3 43.4 65.2#
 55 0.0 21.4 32.0#
 61 0.0 22.8 34.2#

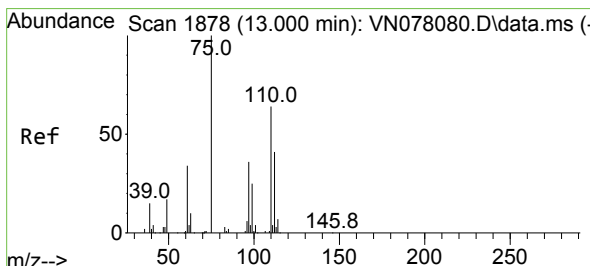
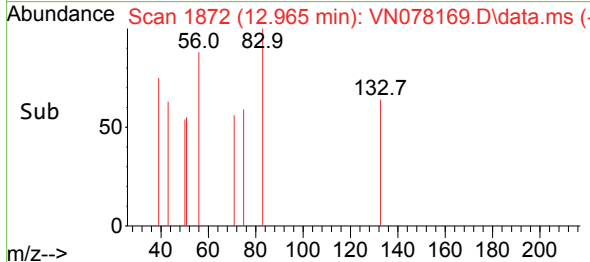
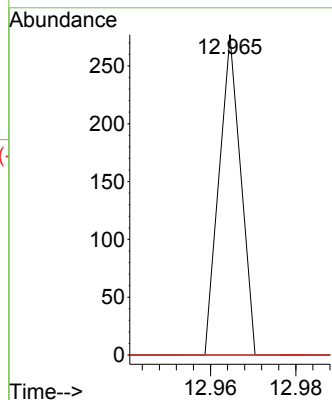
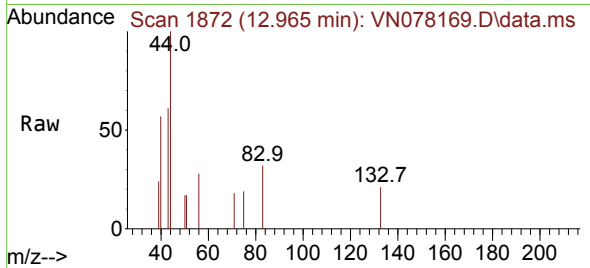




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.965 min Scan# 1872
Delta R.T. 0.024 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

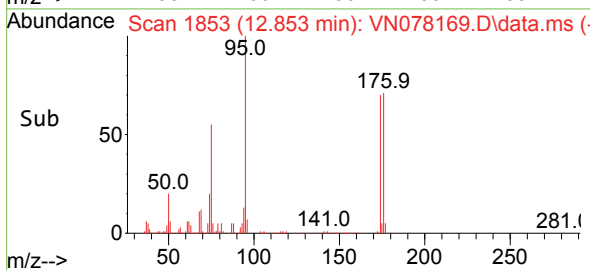
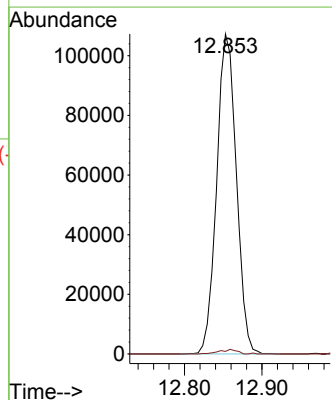
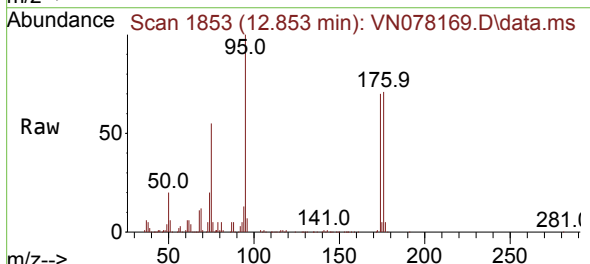
Instrument :
MSVOA_N
ClientSampleId :
TP-2GA

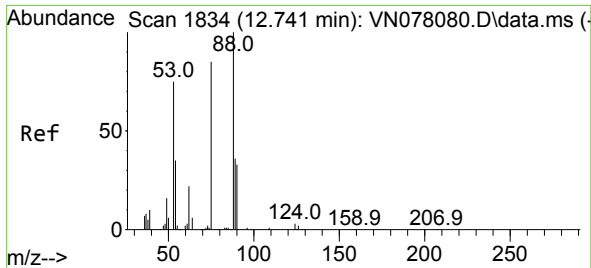
Tgt Ion: 83 Resp: 98
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.429 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078169.D
Acq: 12 Jun 2023 16:18

Tgt Ion: 75 Resp: 189366
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.489 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078169.D
 Acq: 12 Jun 2023 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2GA

Tgt Ion: 75 Resp: 189366
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

