

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080194.D
 Acq On : 18 Nov 2023 18:31
 Operator : JC\MD
 Sample : 05449-29RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 01:29:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

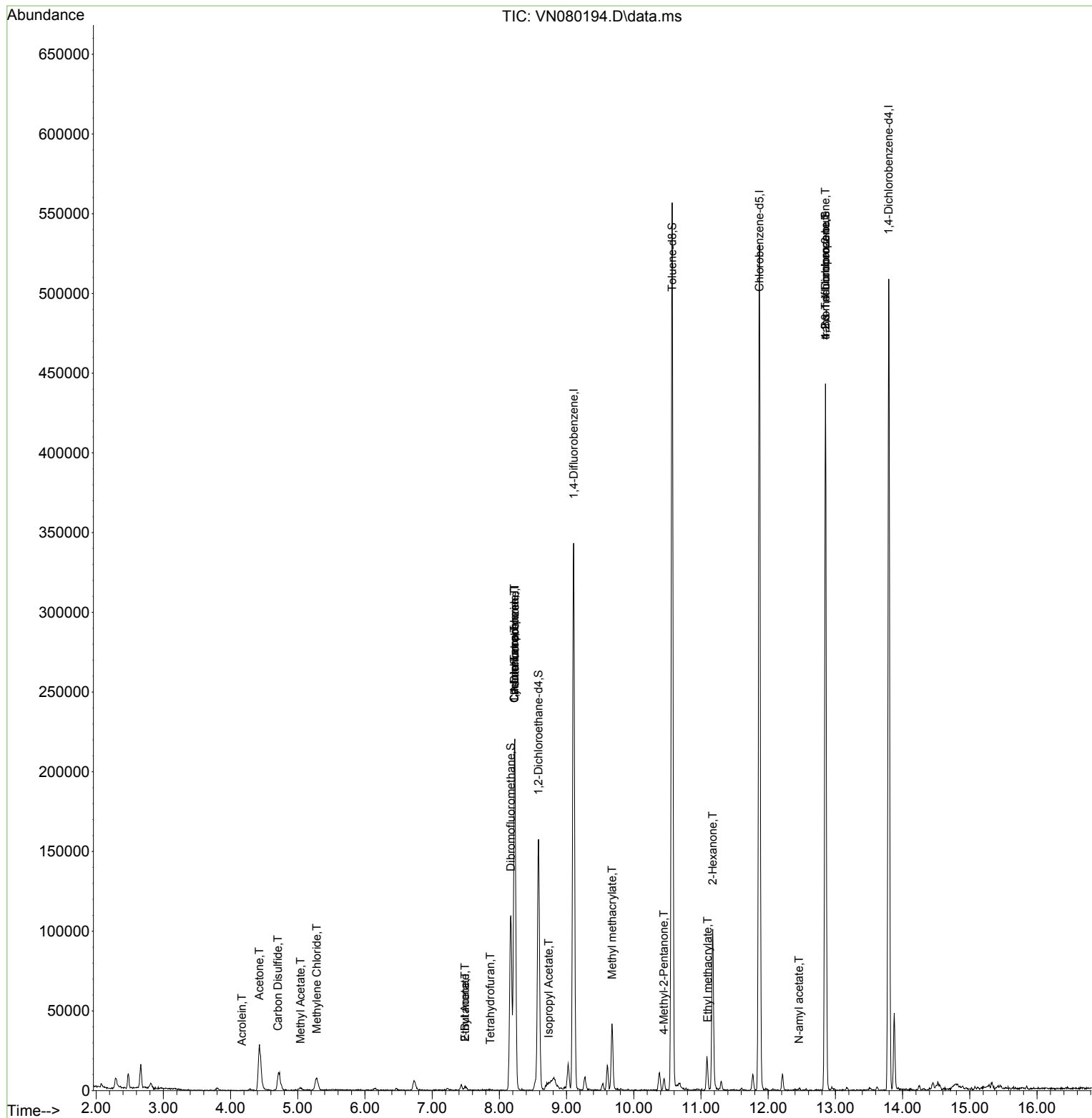
Internal Standards						
1) Pentafluorobenzene	8.229	168	151547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	299637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	144696	57.826	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.660%
35) Dibromofluoromethane	8.171	113	77021	37.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	74.140%#
50) Toluene-d8	10.570	98	378918	50.586	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.853	95	147120	51.999	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.000%
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	424	Below Cal	#	43
13) Acrolein	4.171	56	55	0.226	ug/l #	16
16) Acetone	4.430	43	52667	62.665	ug/l	91
17) Carbon Disulfide	4.706	76	2355	0.492	ug/l #	75
18) Methyl Acetate	5.041	43	3153	1.168	ug/l #	61
20) Methylene Chloride	5.283	84	6746	3.833	ug/l #	89
25) 2-Butanone	7.488	43	3675	3.680	ug/l	90
29) Tetrahydrofuran	7.865	42	322	0.601	ug/l #	34
31) Cyclohexane	8.224	56	3215	1.181	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	11987	3.984	ug/l #	50
37) Ethyl Acetate	7.488	43	3675	1.761	ug/l #	63
38) Carbon Tetrachloride	8.224	117	17554	4.598	ug/l #	16
43) Isopropyl Acetate	8.735	43	4487	1.105	ug/l #	49
48) Methyl methacrylate	9.676	41	2732	1.306	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	4532	2.156	ug/l #	83
56) Ethyl methacrylate	11.100	69	542	0.260	ug/l #	1
59) 2-Hexanone	11.176	43	70877	41.955	ug/l #	19
74) N-amyl acetate	12.459	43	1044	0.321	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	85622	26.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85622	87.913	ug/l #	15

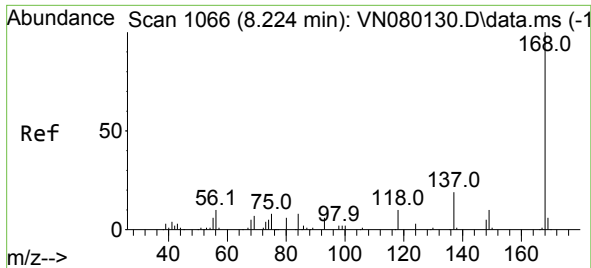
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 01:29:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

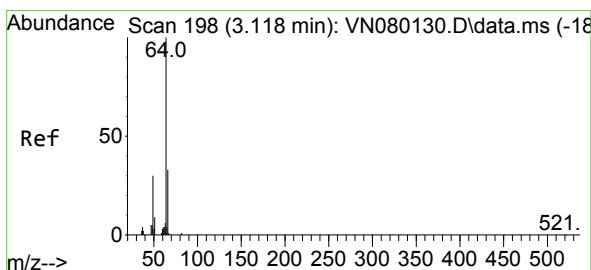
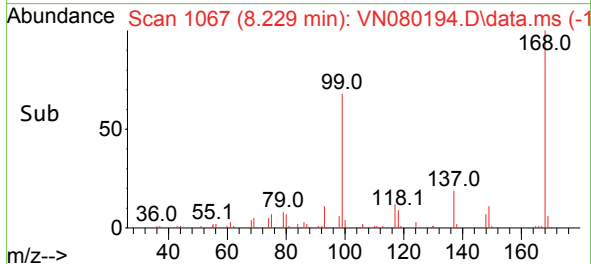
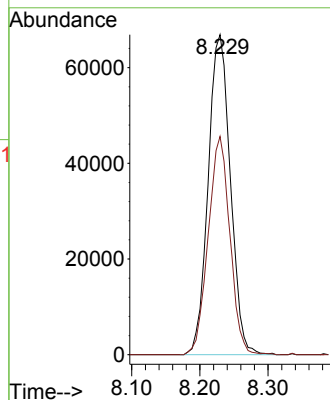
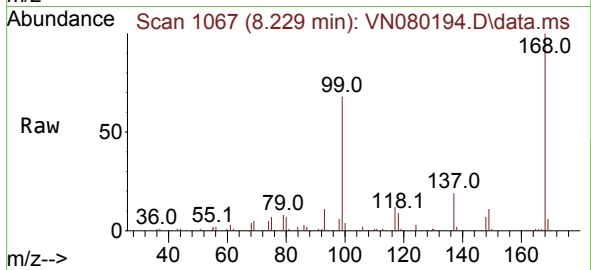




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

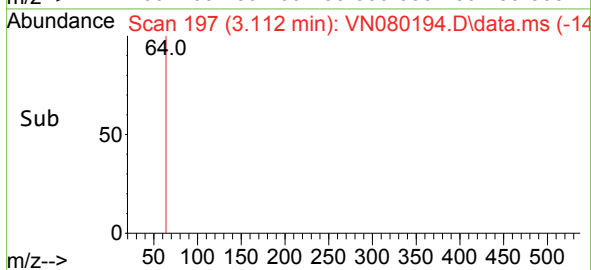
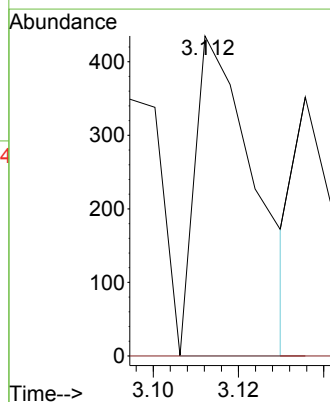
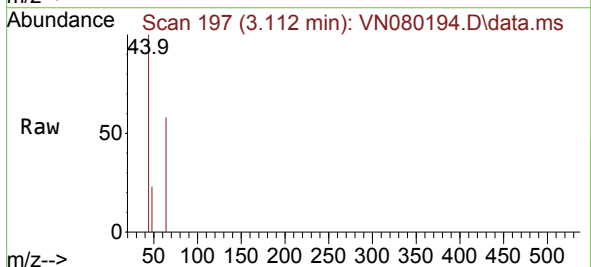
Instrument :
MSVOA_N
ClientSampleId :

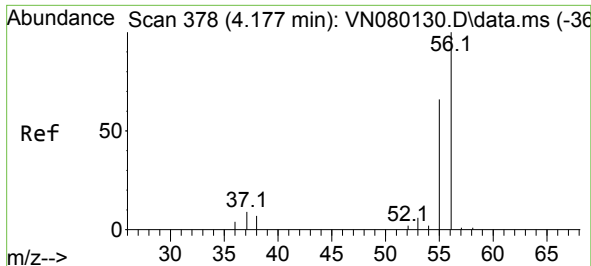
Tgt Ion:168 Resp: 151547
Ion Ratio Lower Upper
168 100
99 68.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

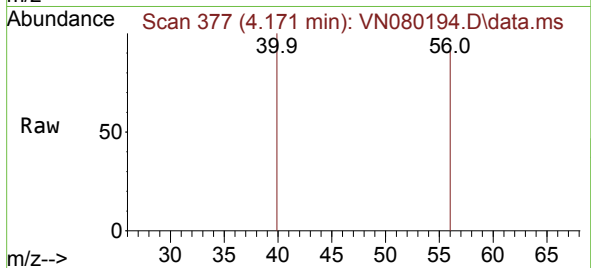
Tgt Ion: 64 Resp: 424
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



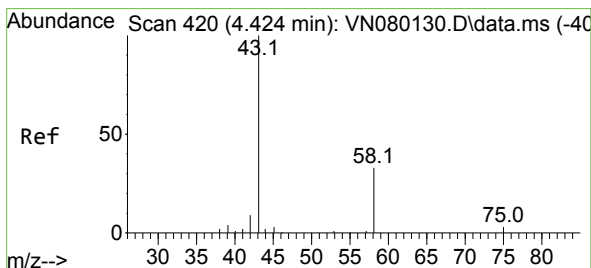
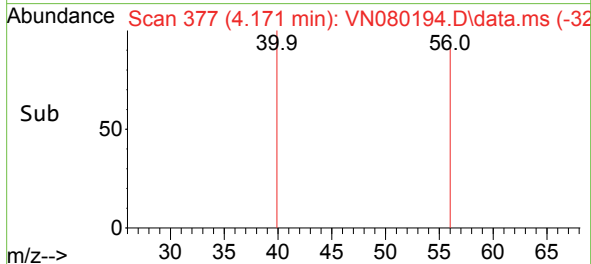
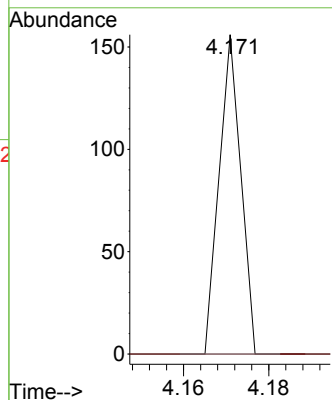


#13
Acrolein
Concen: 0.226 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

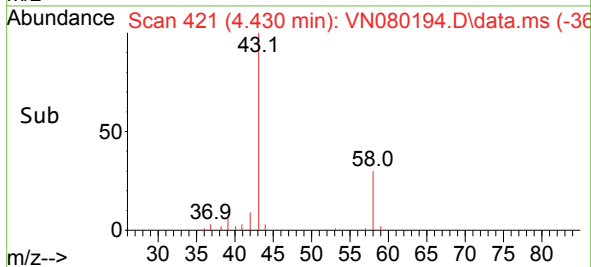
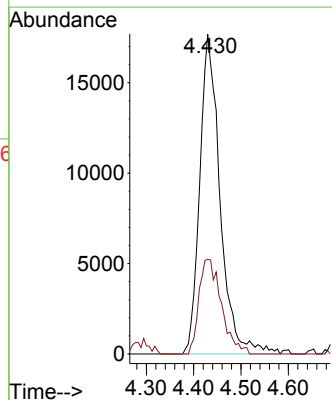
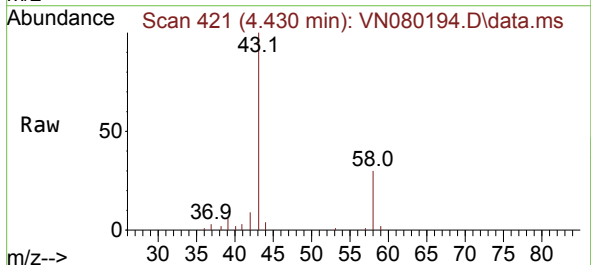


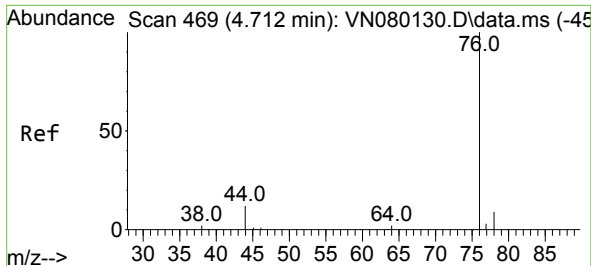
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 62.665 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

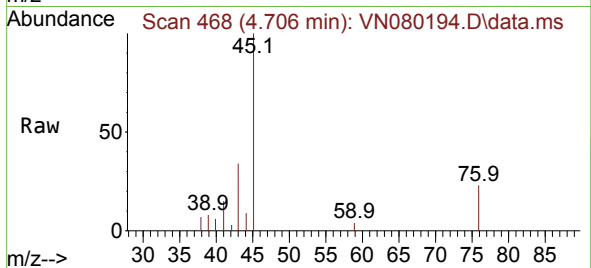
Tgt Ion: 43 Resp: 52667
Ion Ratio Lower Upper
43 100
58 29.6 28.0 42.0



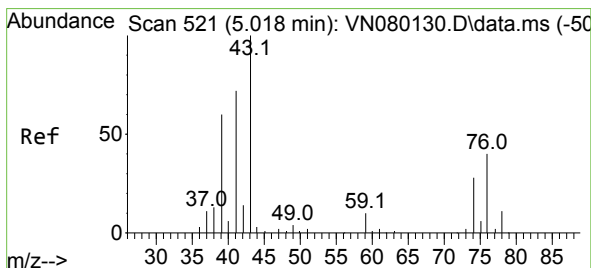
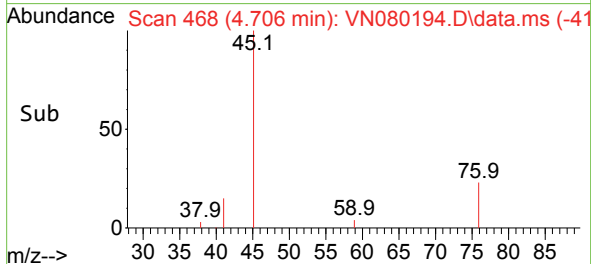
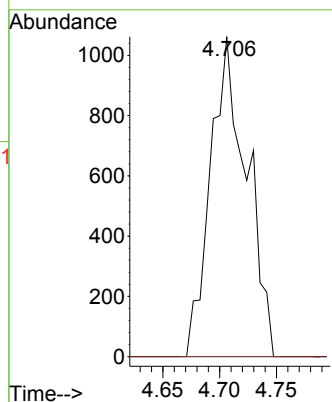


#17
Carbon Disulfide
Concen: 0.492 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

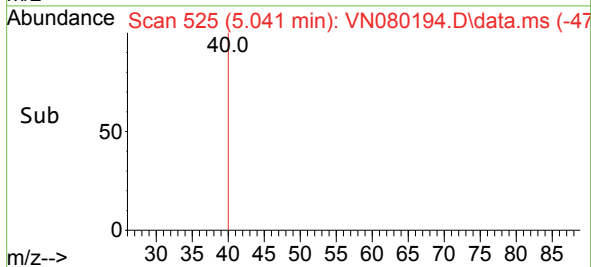
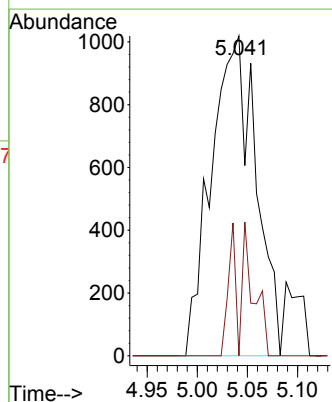
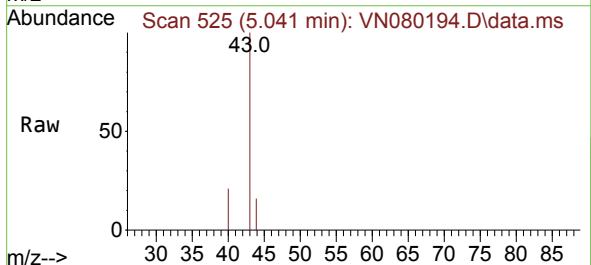


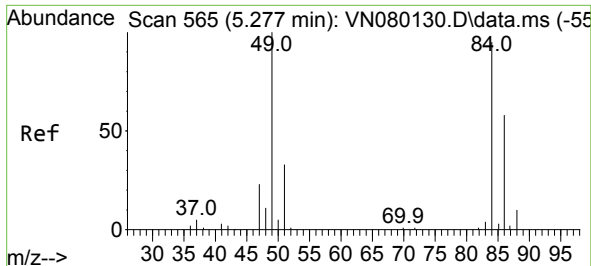
Tgt Ion: 76 Resp: 2355
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.168 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 43 Resp: 3153
Ion Ratio Lower Upper
43 100
74 10.8 26.2 39.4#

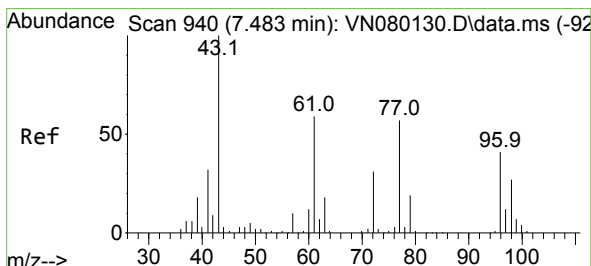
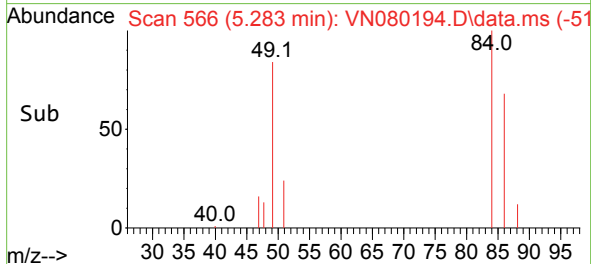
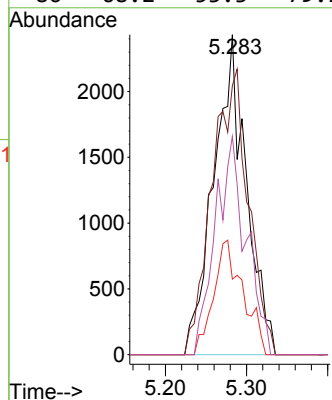
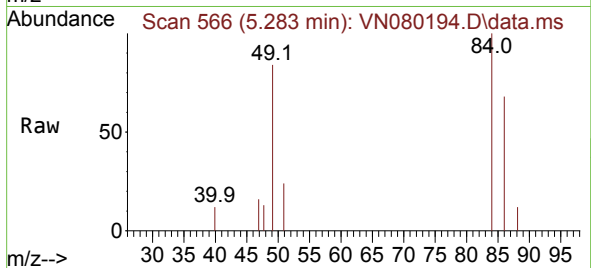




#20
Methylene Chloride
Concen: 3.833 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

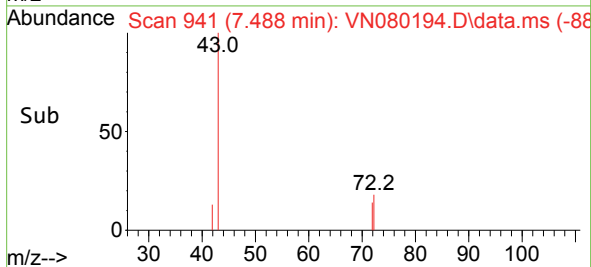
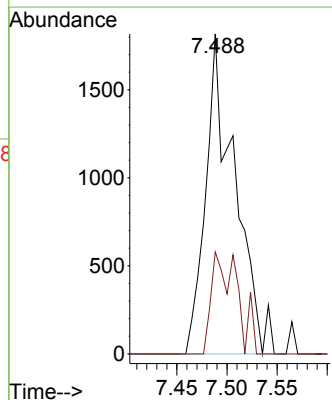
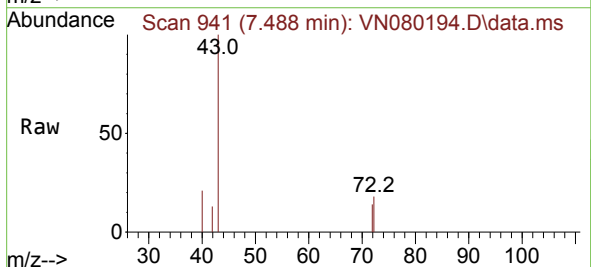
Instrument :
MSVOA_N
ClientSampleId :

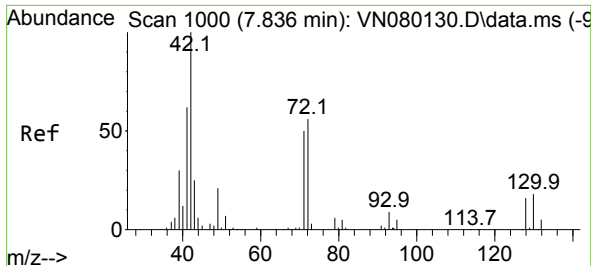
Tgt Ion: 84	Resp: 6746
Ion Ratio	Lower Upper
84 100	
49 84.0	79.7 119.5
51 23.6	25.2 37.8#
86 68.2	53.3 79.9



#25
2-Butanone
Concen: 3.680 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 43	Resp: 3675		
Ion Ratio	Lower	Upper	
43 100			
72 31.9	30.2	45.2	





#29

Tetrahydrofuran

Concen: 0.601 ug/l

RT: 7.865 min Scan# 1066

Delta R.T. 0.029 min

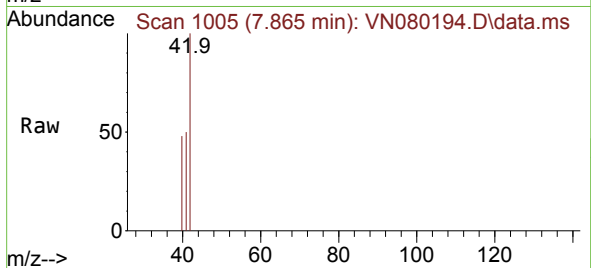
Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

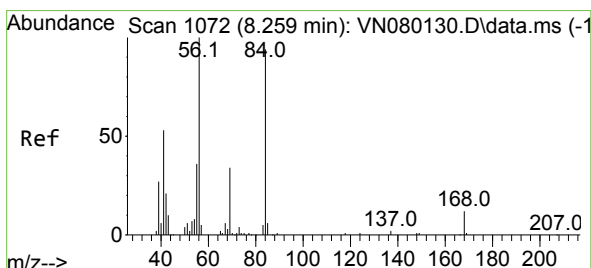
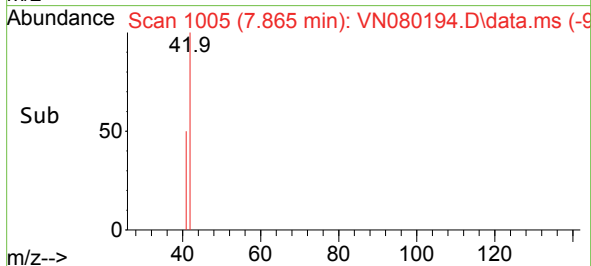
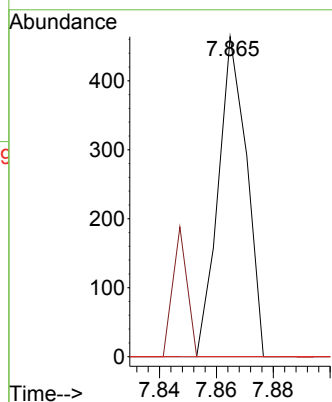
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	322
Ion	Ratio	Lower	Upper
42	100		
72	20.5	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.181 ug/l

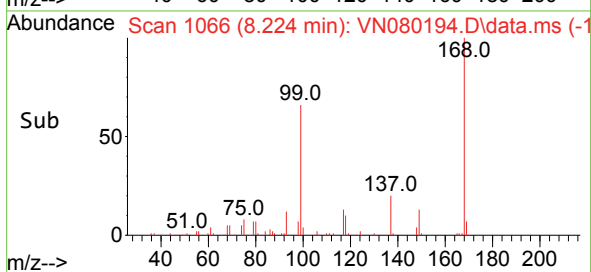
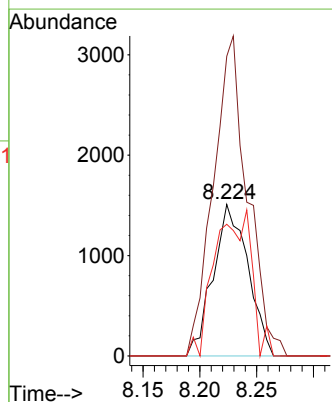
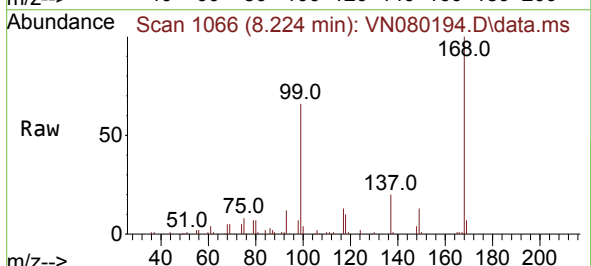
RT: 8.224 min Scan# 1066

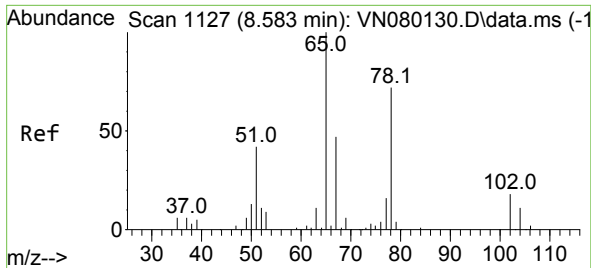
Delta R.T. -0.036 min

Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

Tgt Ion:	56	Resp:	3215
Ion	Ratio	Lower	Upper
56	100		
69	197.7	26.8	40.2#
84	86.9	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 57.826 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

Instrument :

MSVOA_N

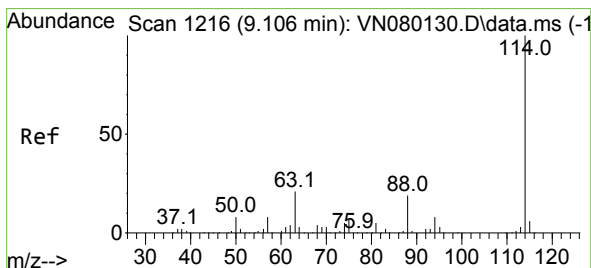
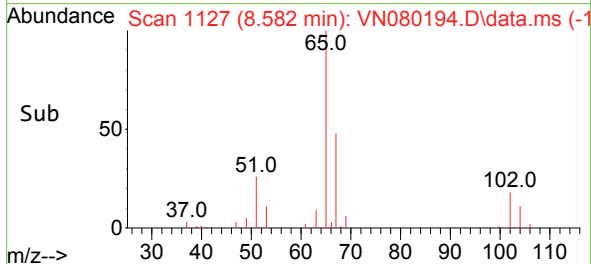
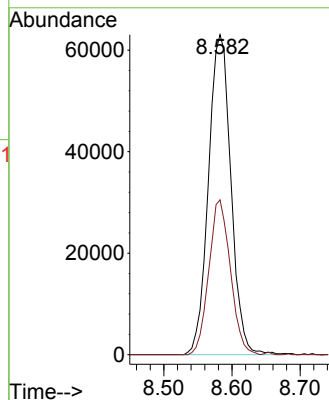
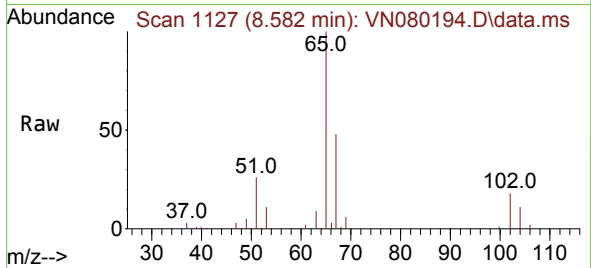
ClientSampleId :

Tgt Ion: 65 Resp: 144696

Ion Ratio Lower Upper

65 100

67 46.4 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: VN080194.D

Acq: 18 Nov 2023 18:31

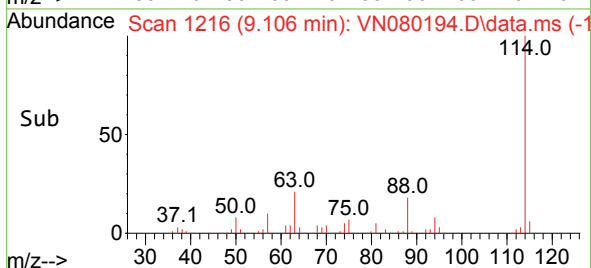
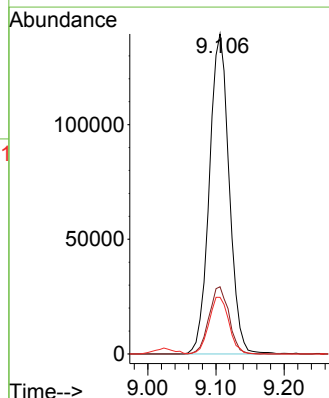
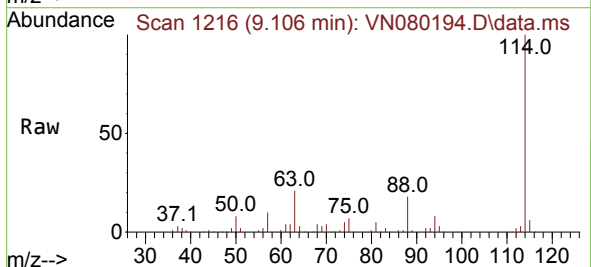
Tgt Ion: 114 Resp: 281612

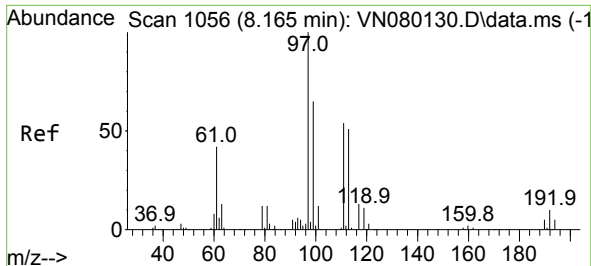
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

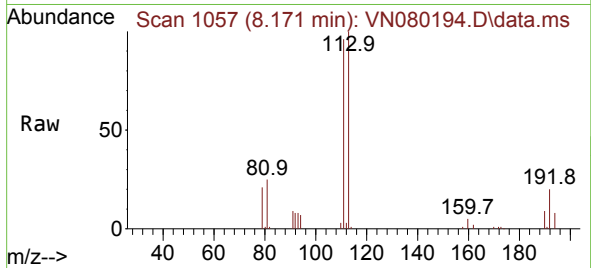
88 17.7 0.0 30.6



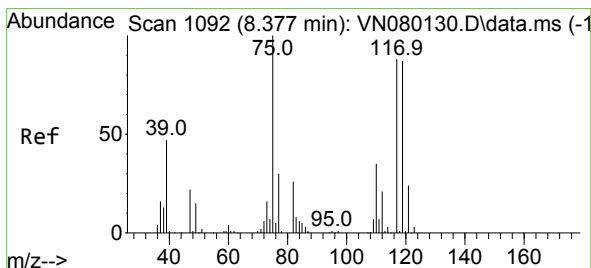
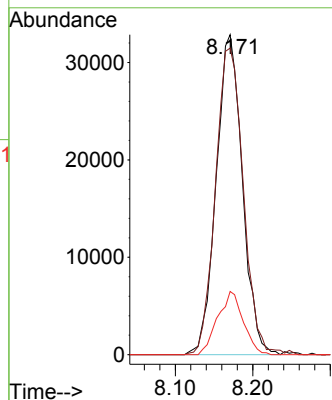
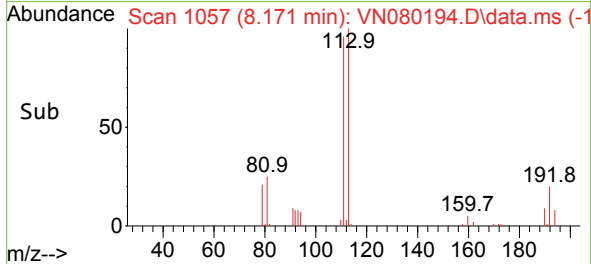


#35
Dibromofluoromethane
Concen: 37.066 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

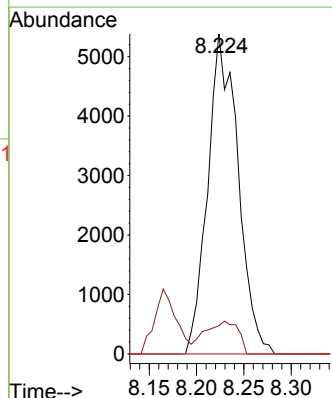
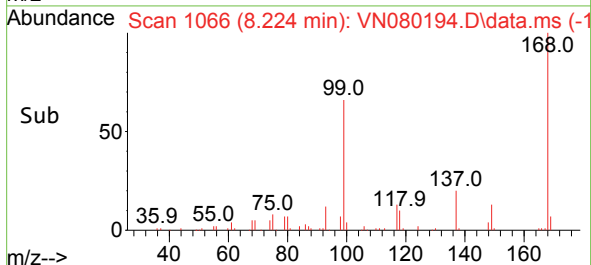
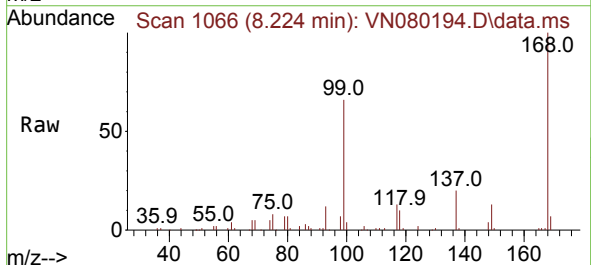


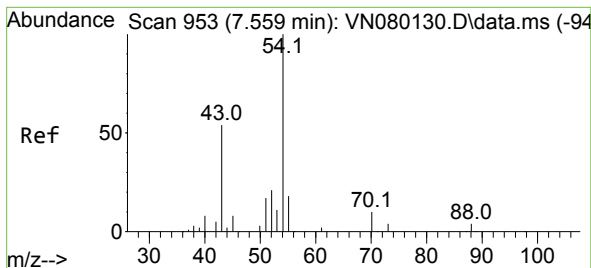
Tgt Ion:113 Resp: 77021
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 3.984 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 75 Resp: 11987
Ion Ratio Lower Upper
75 100
110 11.2 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.761 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

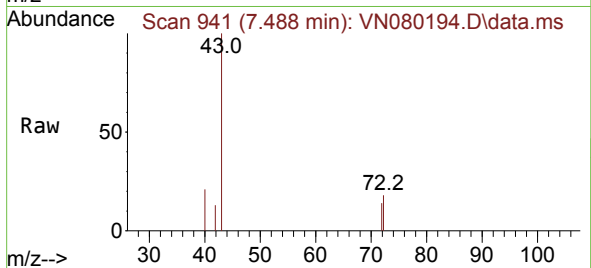
Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

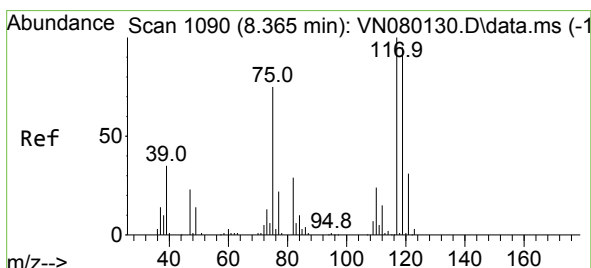
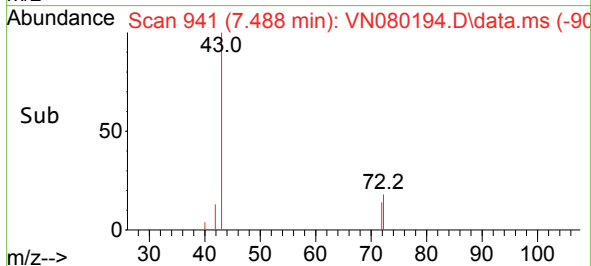
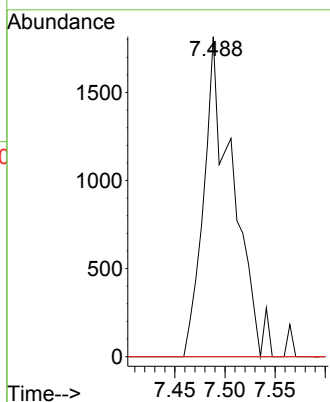
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3675
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.598 ug/l

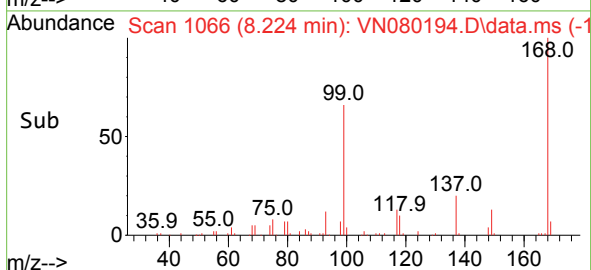
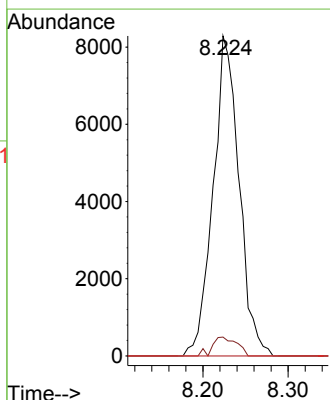
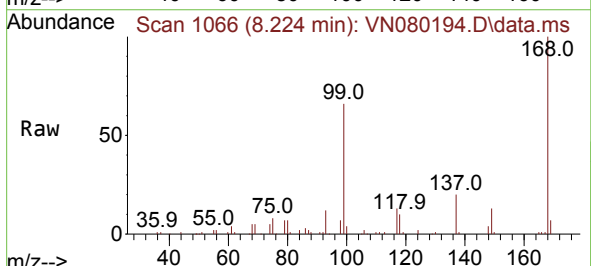
RT: 8.224 min Scan# 1066

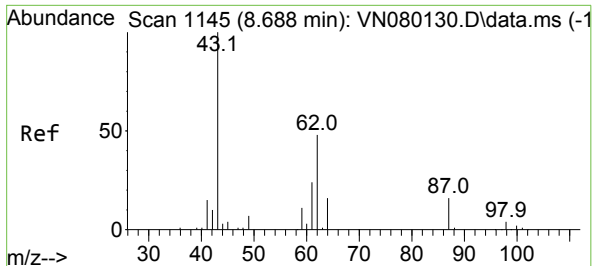
Delta R.T. -0.141 min

Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

Tgt Ion:	117	Resp:	17554
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.3	115.9#
121	0.0	23.3	34.9#

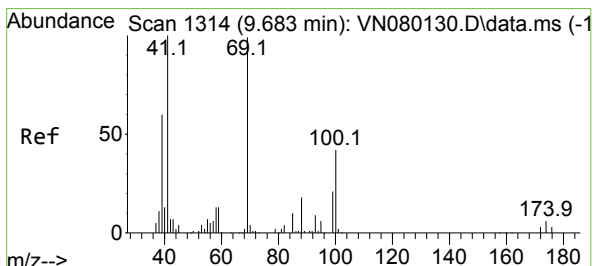
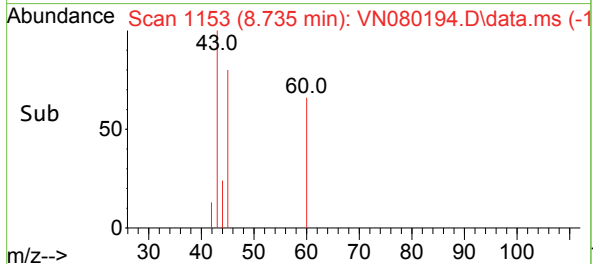
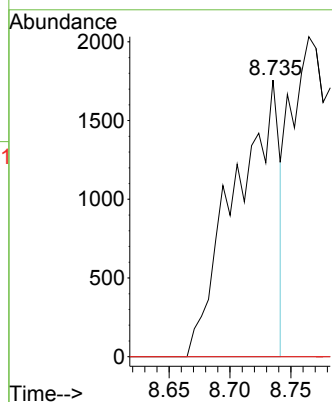
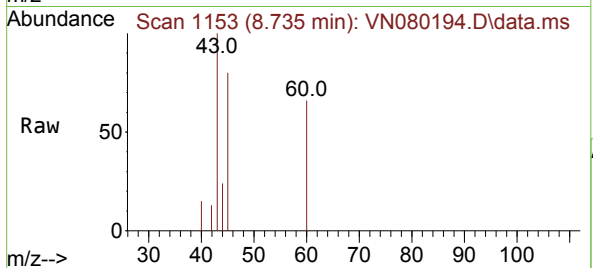




#43
Isopropyl Acetate
Concen: 1.105 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.047 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

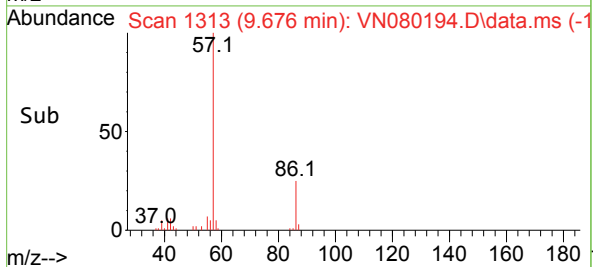
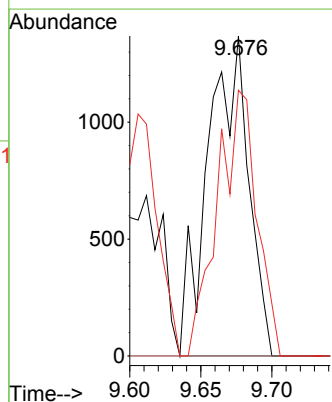
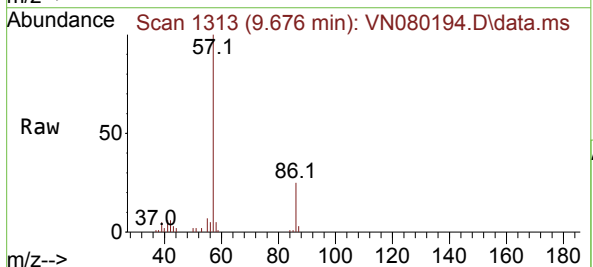
Instrument :
MSVOA_N
ClientSampleId :

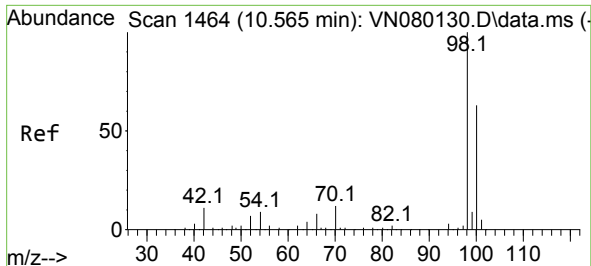
Tgt Ion: 43 Resp: 4487
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.306 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 41 Resp: 2732
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 79.9 54.6 81.8

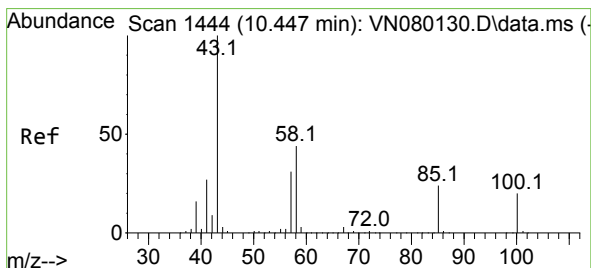
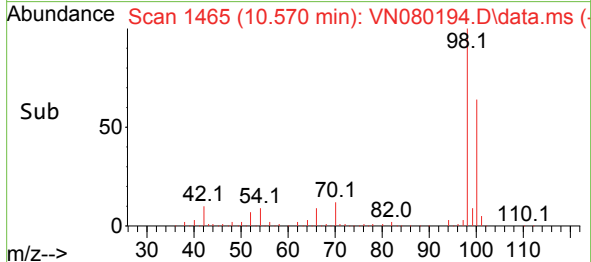
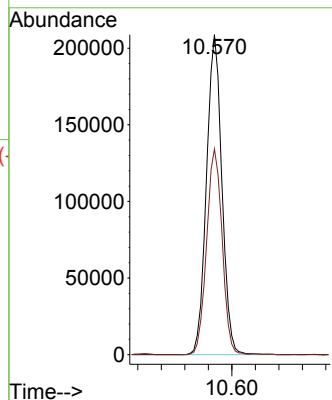
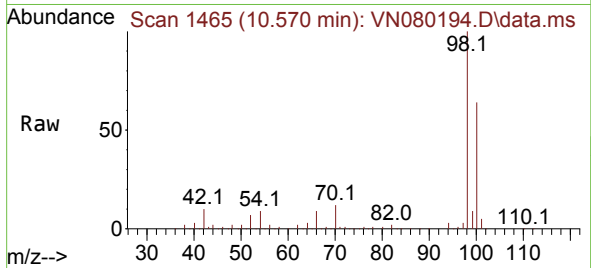




#50
Toluene-d8
Concen: 50.586 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

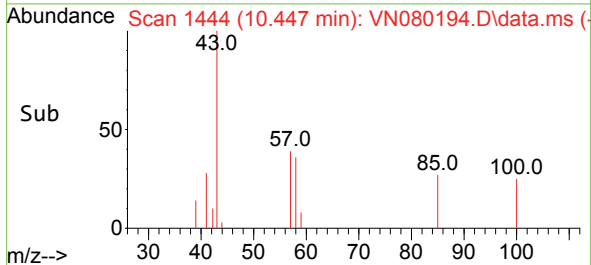
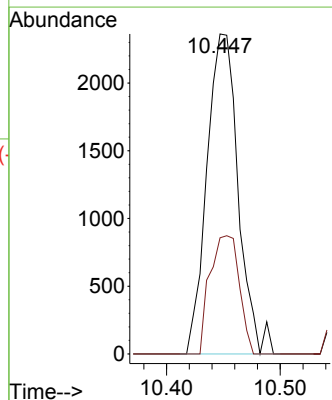
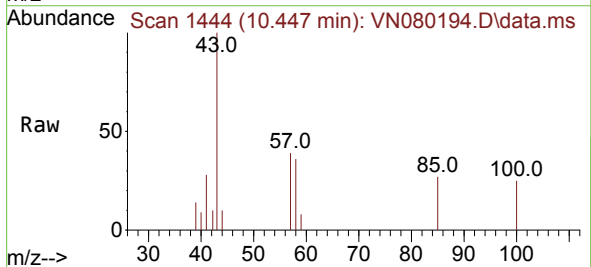
Instrument :
MSVOA_N
ClientSampleId :

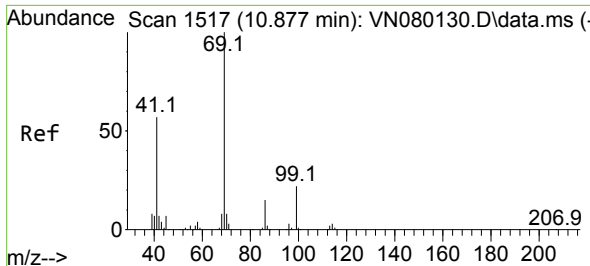
Tgt Ion: 98 Resp: 378918
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.156 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 43 Resp: 4532
Ion Ratio Lower Upper
43 100
58 34.5 36.6 54.8#

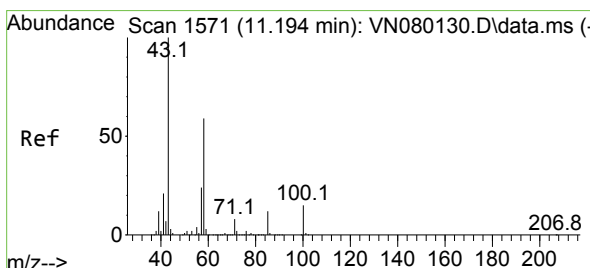
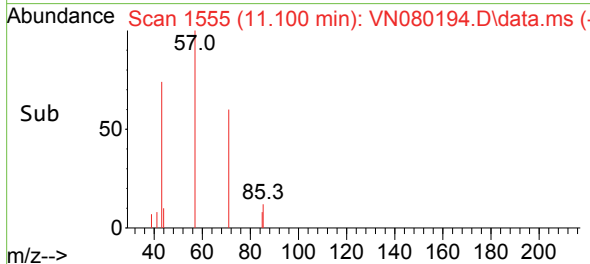
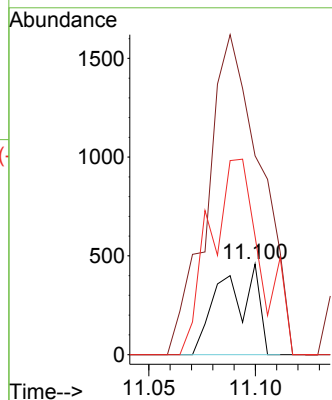
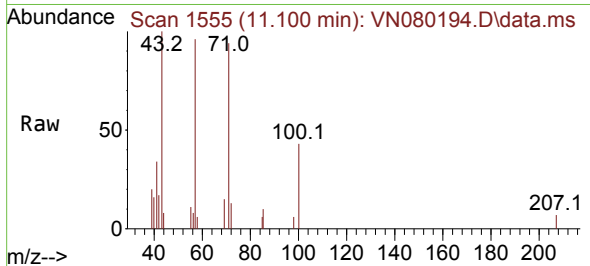




#56
Ethyl methacrylate
Concen: 0.260 ug/l
RT: 11.100 min Scan# 11
Delta R.T. 0.223 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

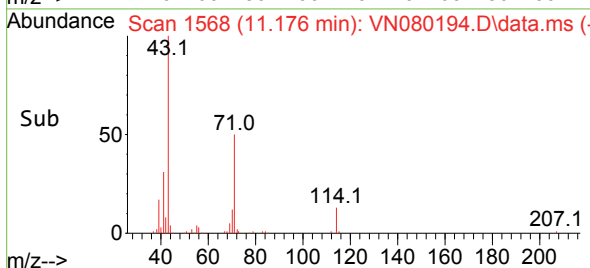
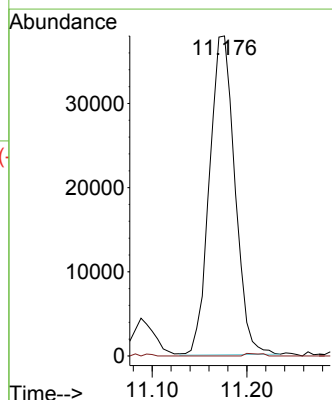
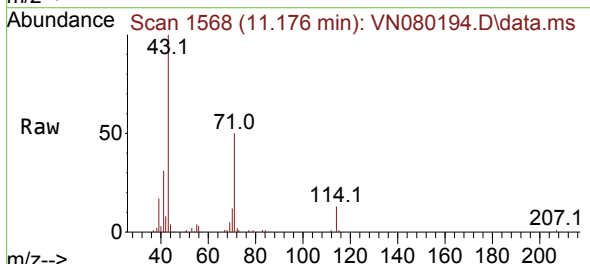
Instrument :
MSVOA_N
ClientSampleId :

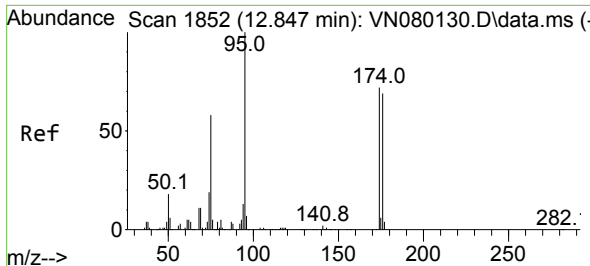
Tgt Ion: 69 Resp: 542
Ion Ratio Lower Upper
69 100
41 520.8 39.6 59.4#
39 303.3 28.6 43.0#



#59
2-Hexanone
Concen: 41.955 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

Tgt Ion: 43 Resp: 70877
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

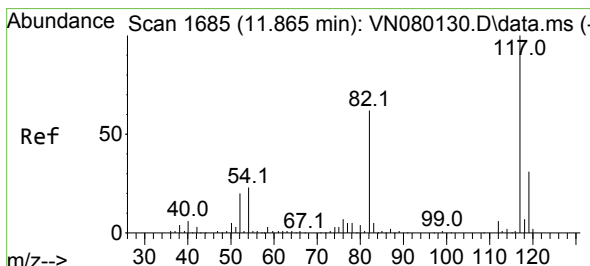
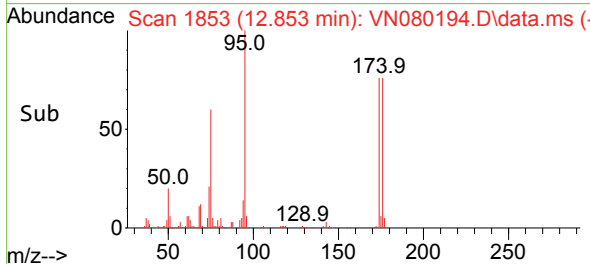
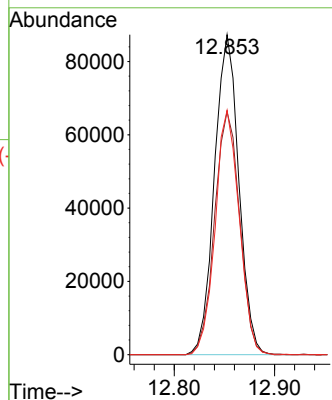
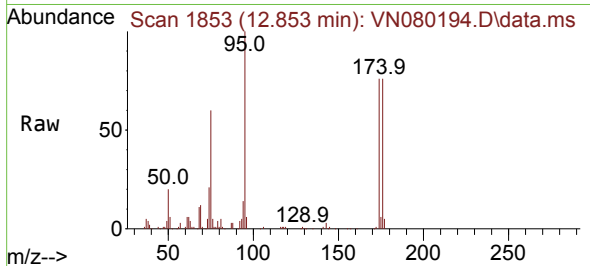




#62
4-Bromofluorobenzene
Concen: 51.999 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

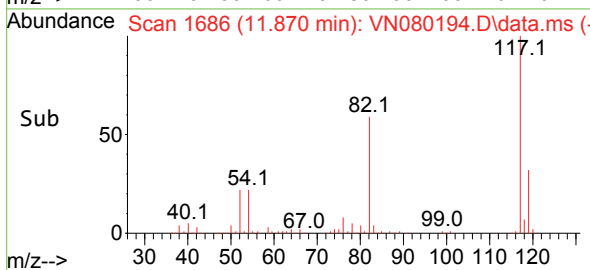
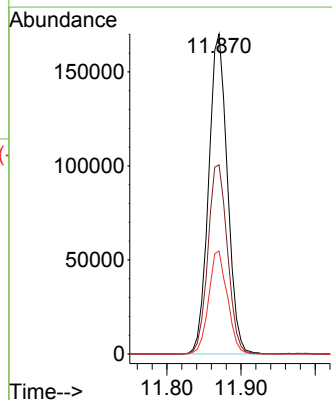
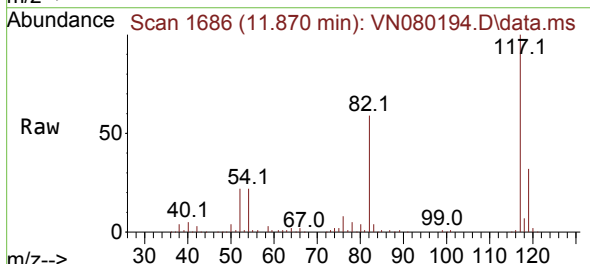
Instrument :
MSVOA_N
ClientSampleId :

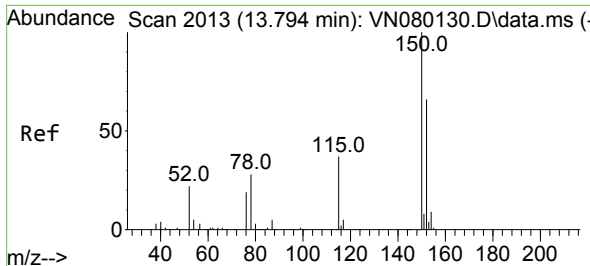
Tgt Ion: 95 Resp: 147120
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 75.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080194.D
Acq: 18 Nov 2023 18:31

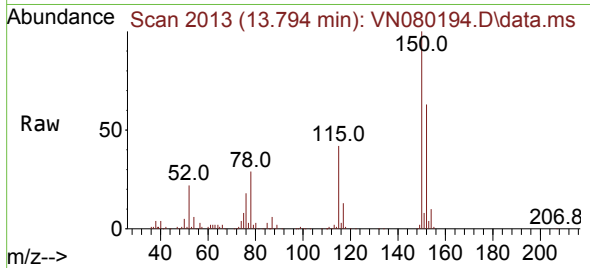
Tgt Ion: 117 Resp: 299637
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 32.1 25.6 38.4



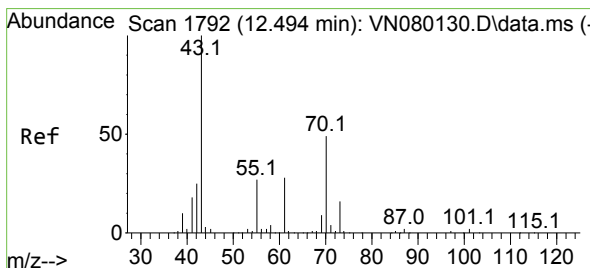
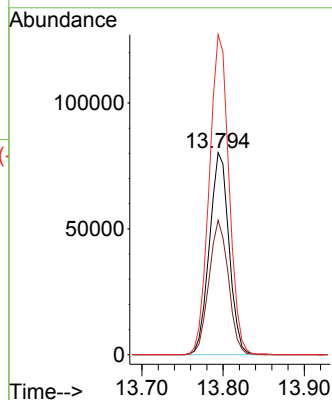
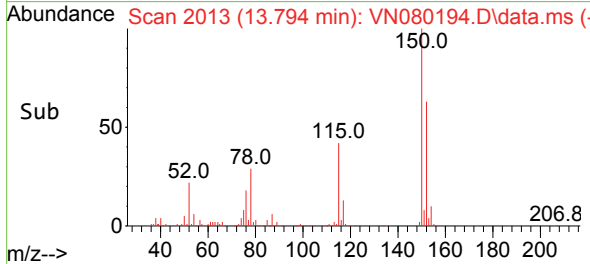


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080194.D
 Acq: 18 Nov 2023 18:31

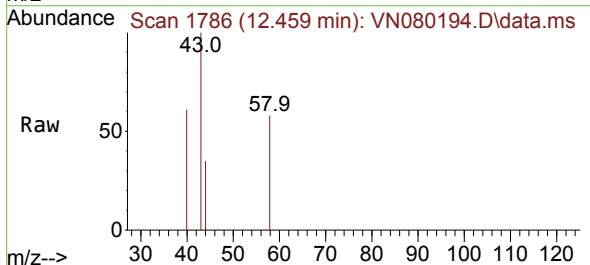
Instrument :
 MSVOA_N
 ClientSampleId :



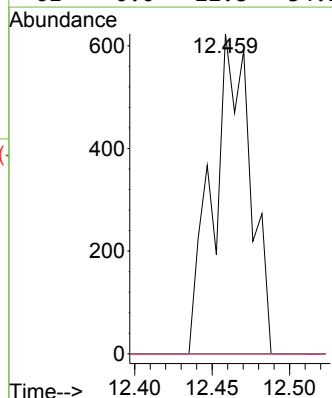
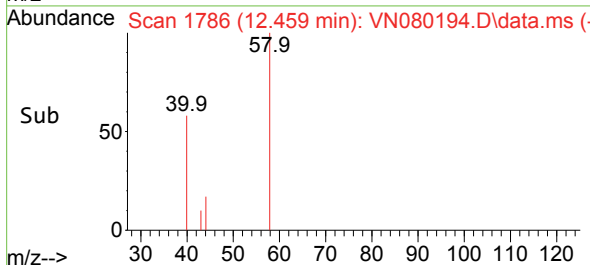
Tgt Ion:152 Resp: 134298
 Ion Ratio Lower Upper
 152 100
 115 66.3 32.3 96.8
 150 159.6 0.0 355.8

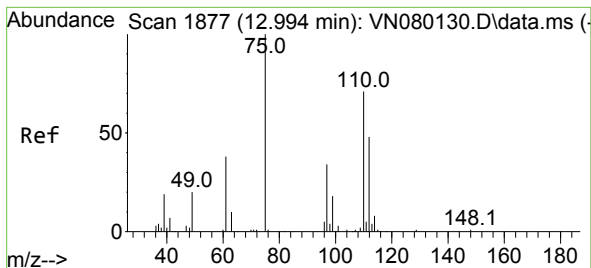


#74
 N-ethyl acetate
 Concen: 0.321 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.036 min
 Lab File: VN080194.D
 Acq: 18 Nov 2023 18:31



Tgt Ion: 43 Resp: 1044
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 0.0 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 26.021 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

Instrument :

MSVOA_N

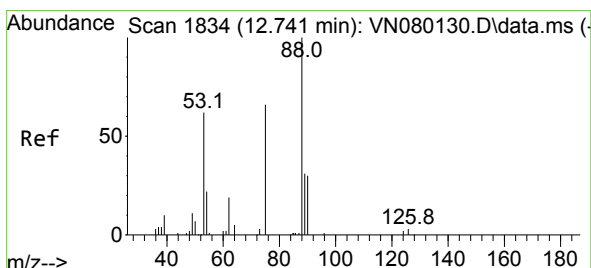
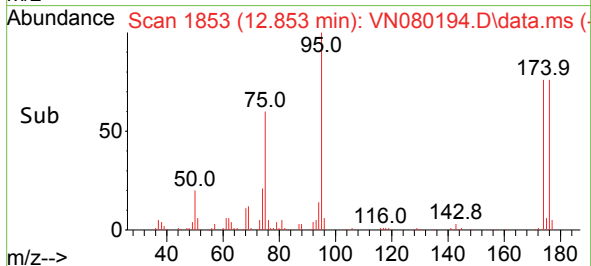
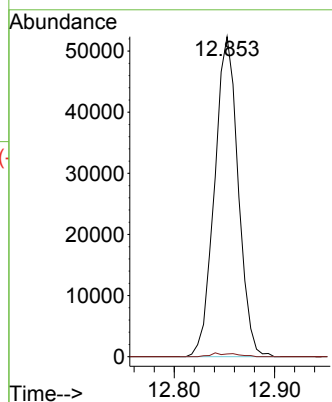
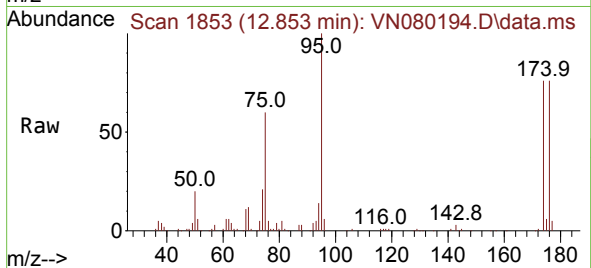
ClientSampleId :

Tgt Ion: 75 Resp: 85622

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.913 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080194.D

Acq: 18 Nov 2023 18:31

Tgt Ion: 75 Resp: 85622

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

