

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080193.D
 Acq On : 18 Nov 2023 18:07
 Operator : JC\MD
 Sample : 05466-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 01:29:13 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)

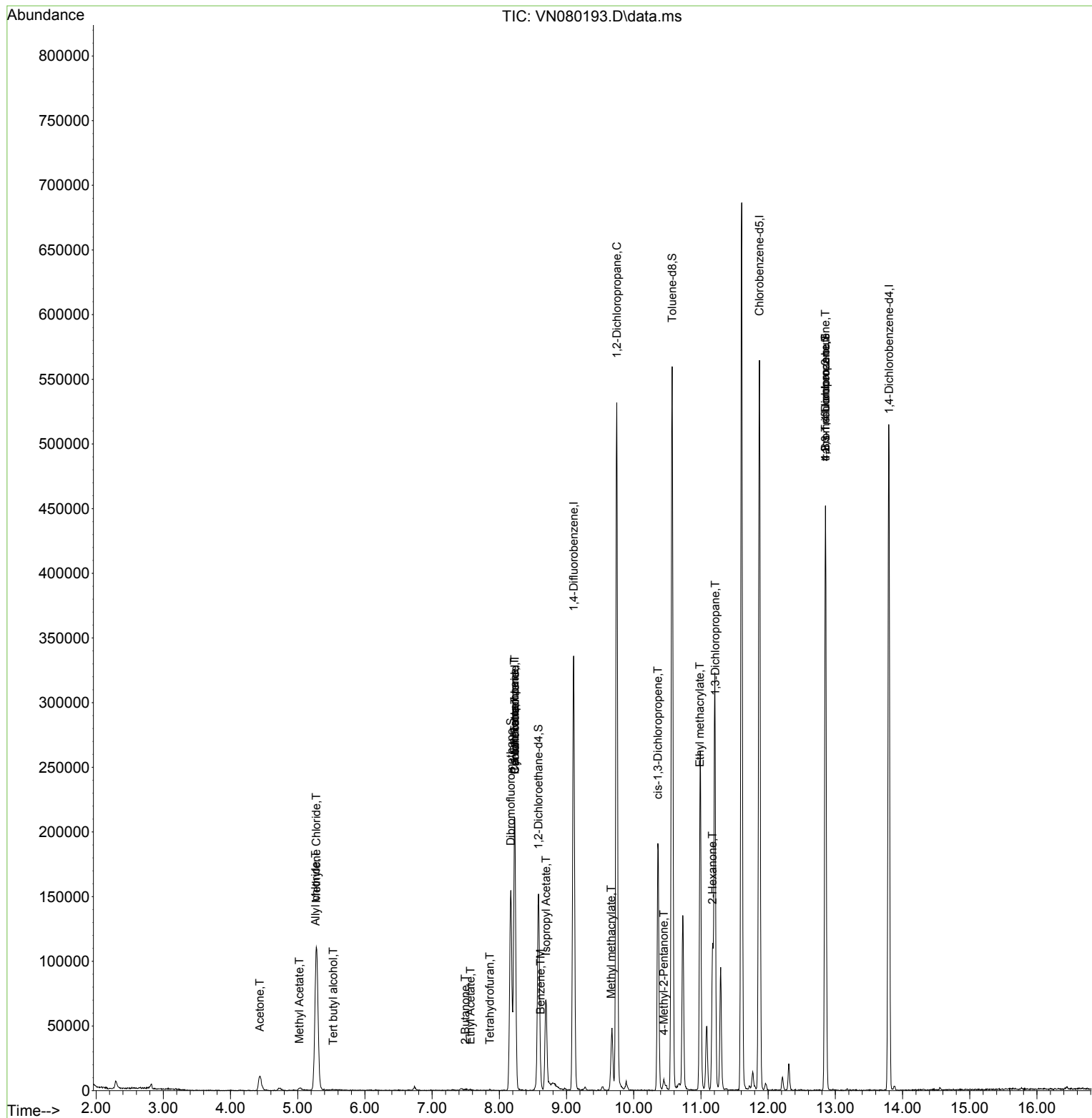
Internal Standards						
1) Pentafluorobenzene	8.230	168	144092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	318124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	138689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	140522	59.063	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.120%			
35) Dibromofluoromethane	8.171	113	105687	51.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	10.571	98	382997	52.143	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.853	95	153519	55.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.660%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	983	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	141	0.539	ug/l #	72
14) Allyl chloride	5.265	41	2007	1.047	ug/l #	19
16) Acetone	4.436	43	21825	27.312	ug/l	96
18) Methyl Acetate	5.024	43	1932	0.752	ug/l #	69
20) Methylene Chloride	5.277	84	95506	57.071	ug/l	90
25) 2-Butanone	7.494	43	1653	1.741	ug/l #	37
29) Tetrahydrofuran	7.859	42	277	0.543	ug/l #	53
31) Cyclohexane	8.230	56	3491	1.349	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	12207	4.138	ug/l #	51
37) Ethyl Acetate	7.571	43	1409	0.689	ug/l #	76
38) Carbon Tetrachloride	8.230	117	17154	4.582	ug/l #	17
40) Benzene	8.612	78	3038	0.362	ug/l	92
43) Isopropyl Acetate	8.694	43	79098	19.864	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	633	0.325	ug/l #	45
48) Methyl methacrylate	9.665	41	2844	1.386	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	4261	2.067	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	35493	10.422	ug/l #	70
56) Ethyl methacrylate	10.982	69	1705	0.833	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	3337	0.954	ug/l #	42
59) 2-Hexanone	11.171	43	82785	49.973	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	89151	26.235	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89151	88.639	ug/l #	15

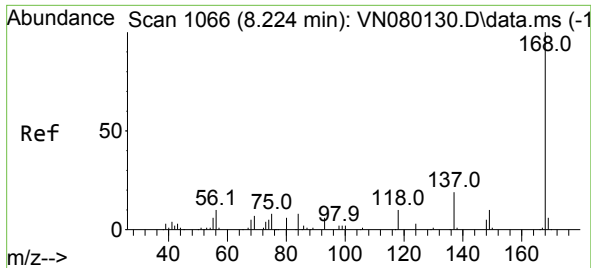
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

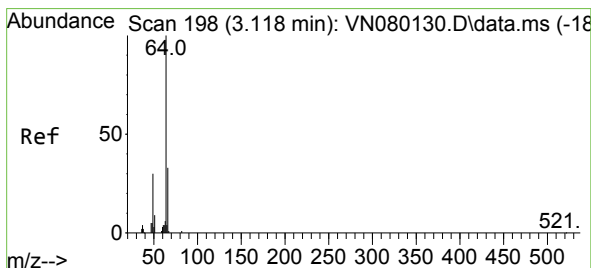
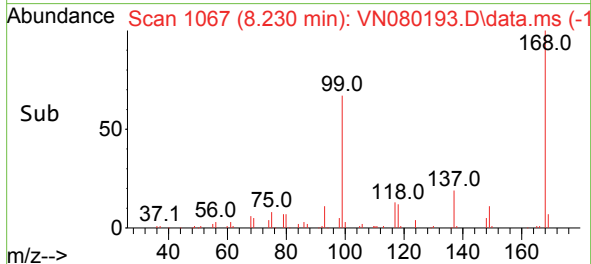
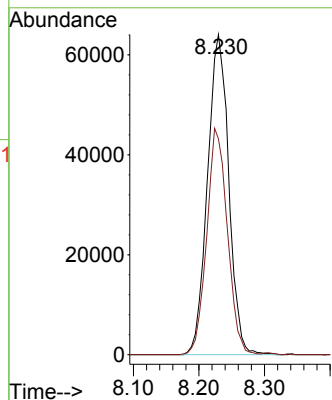
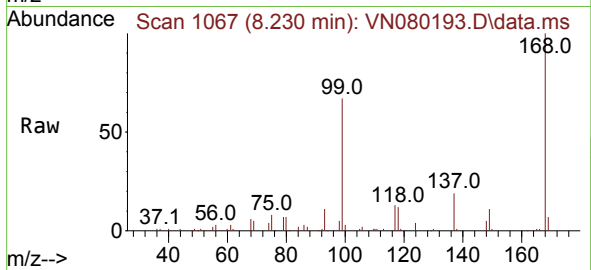




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

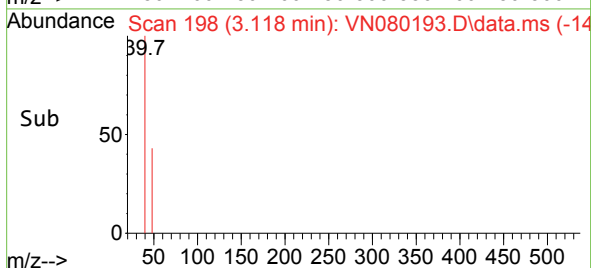
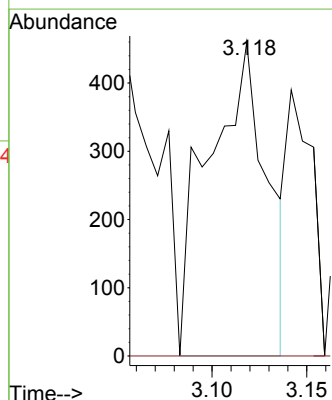
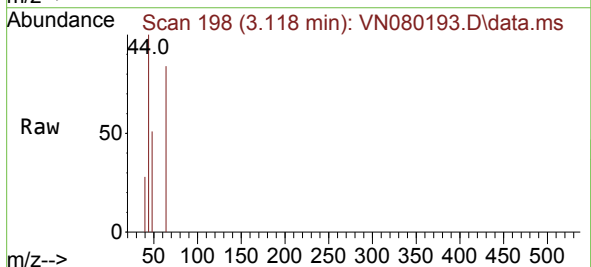
Instrument :
MSVOA_N
ClientSampleId :

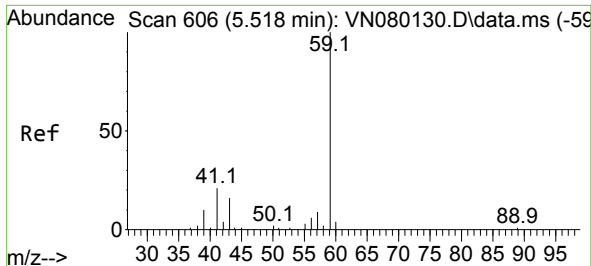
Tgt Ion:168 Resp: 144092
Ion Ratio Lower Upper
168 100
99 67.5 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion: 64 Resp: 983
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 5.530 min Scan# 606

Delta R.T. 0.012 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA_N

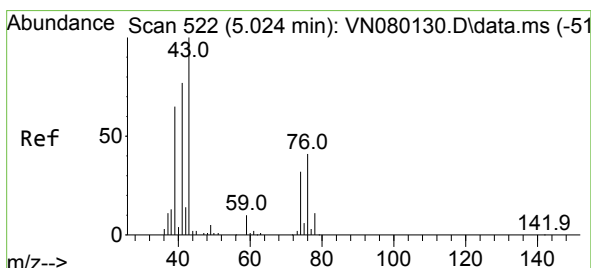
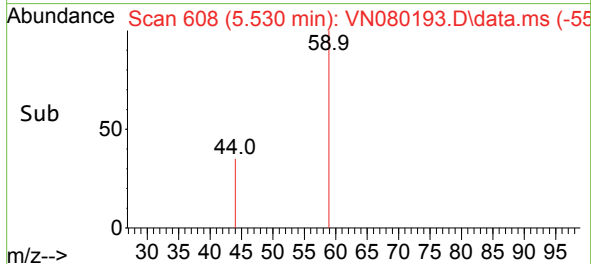
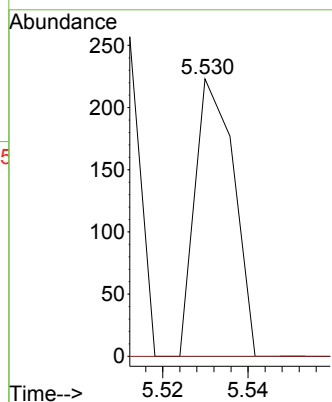
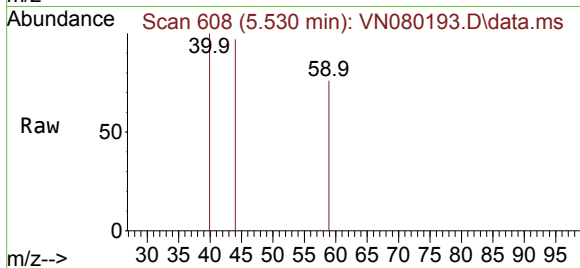
ClientSampleId :

Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#14

Allyl chloride

Concen: 1.047 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.241 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

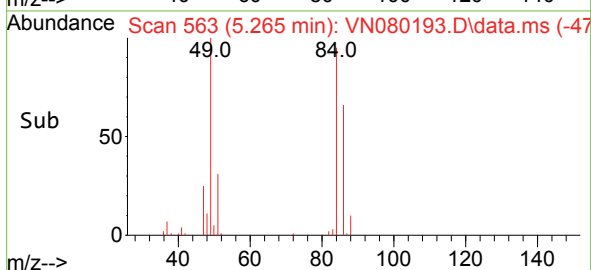
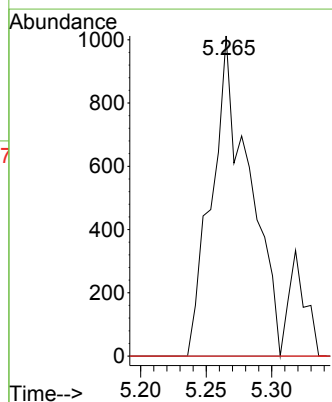
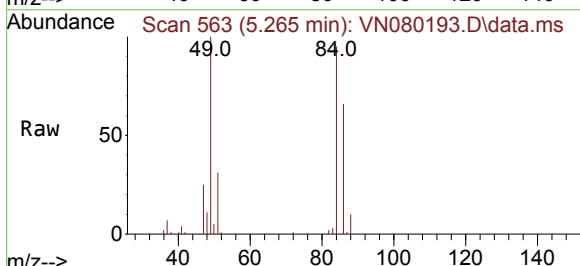
Tgt Ion: 41 Resp: 2007

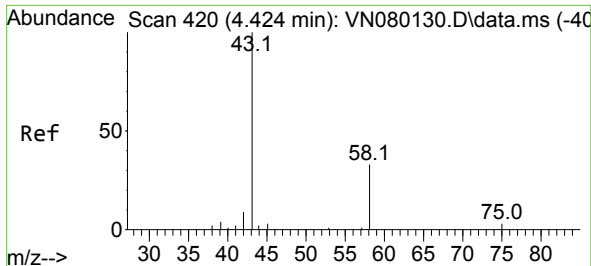
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 39.1 58.7#

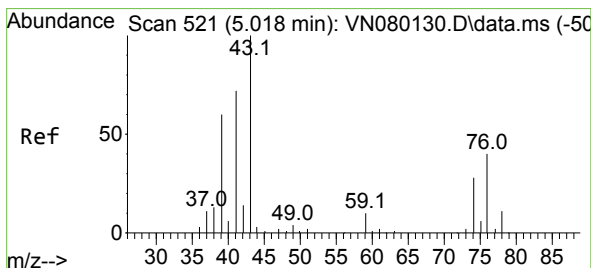
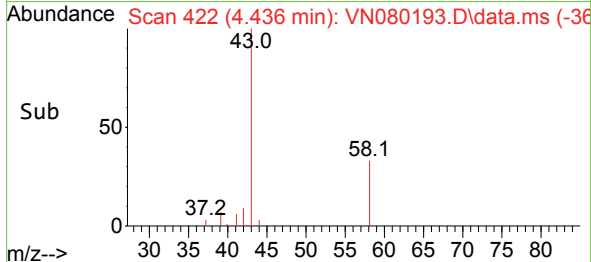
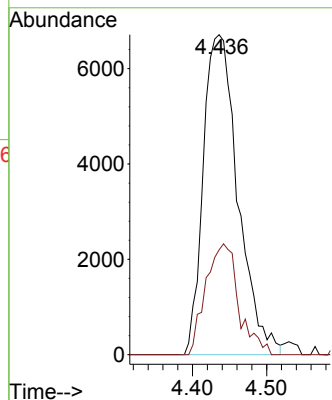
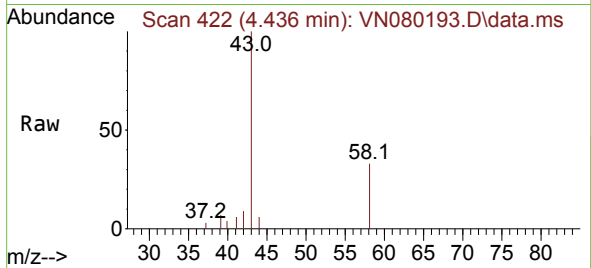




#16
Acetone
Concen: 27.312 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

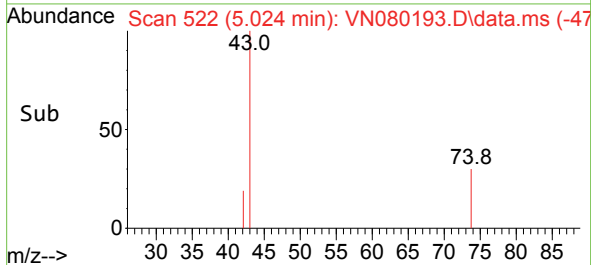
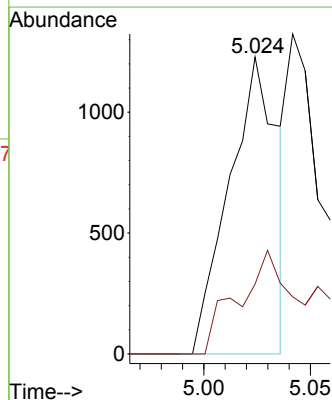
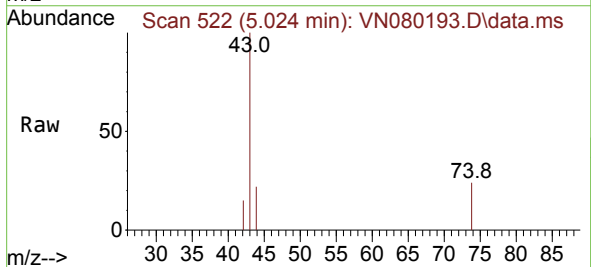
Instrument :
MSVOA_N
ClientSampleId :

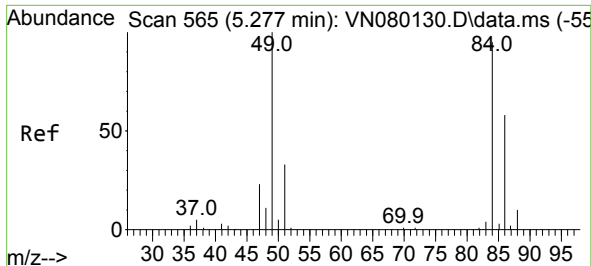
Tgt Ion: 43 Resp: 21825
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.752 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

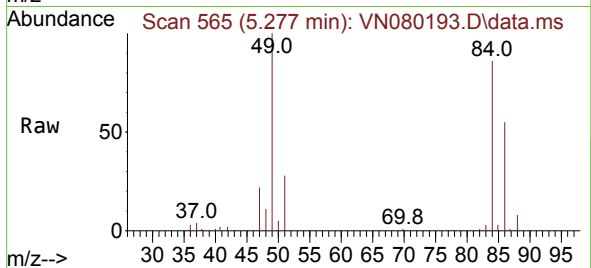
Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
74 50.5 26.2 39.4#



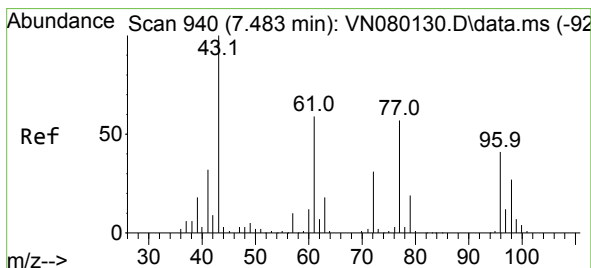
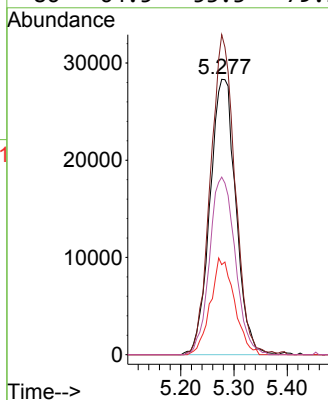
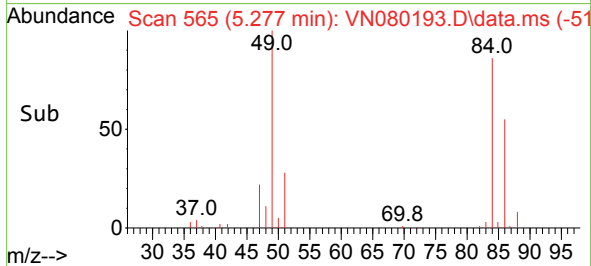


#20
Methylene Chloride
Concen: 57.071 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

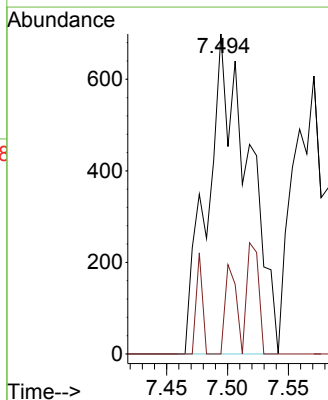
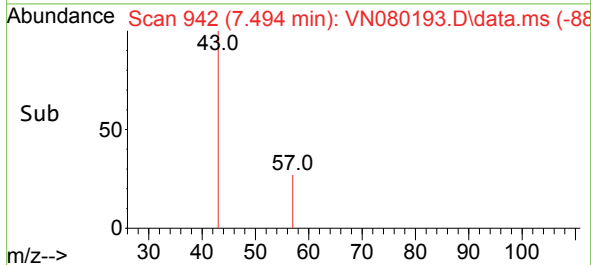
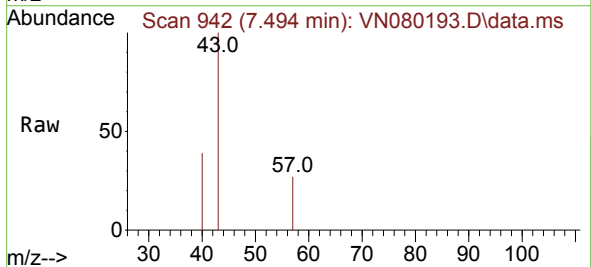


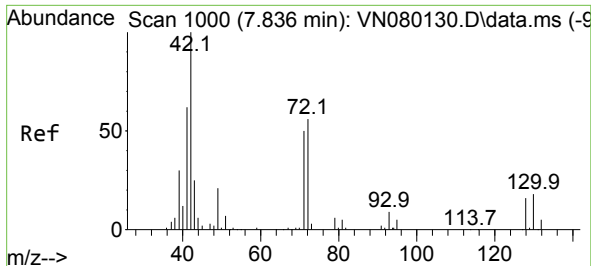
Tgt Ion:	84	Resp:	95506
Ion	Ratio	Lower	Upper
84	100		
49	116.2	79.7	119.5
51	32.7	25.2	37.8
86	64.5	53.3	79.9



#25
2-Butanone
Concen: 1.741 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion:	43	Resp:	1653
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.543 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.024 min

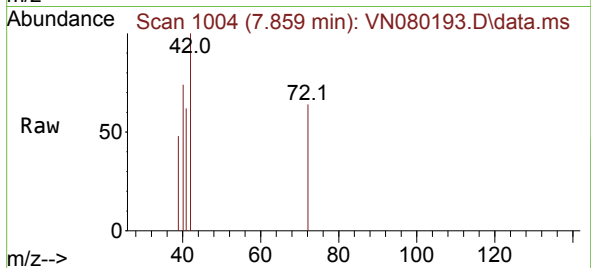
Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

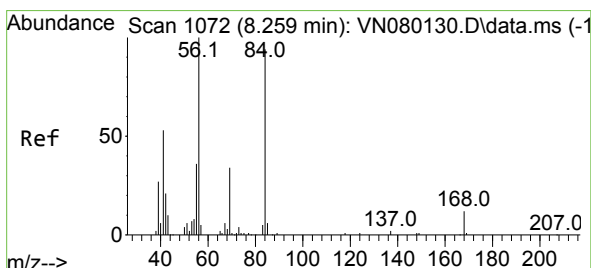
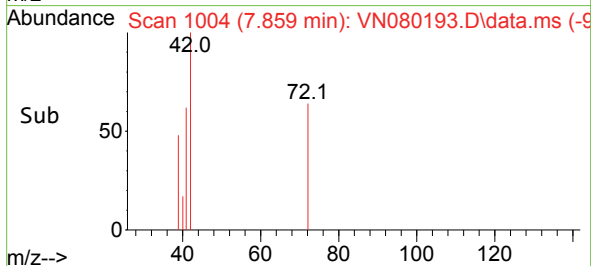
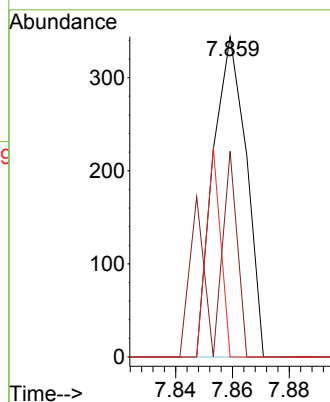
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	277
Ion	Ratio	Lower	Upper
42	100		
72	22.0	49.8	74.6#
71	28.5	47.4	71.2#



#31

Cyclohexane

Concen: 1.349 ug/l

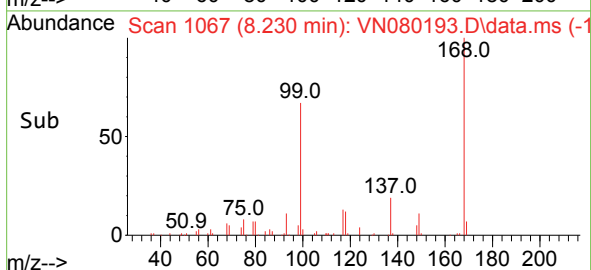
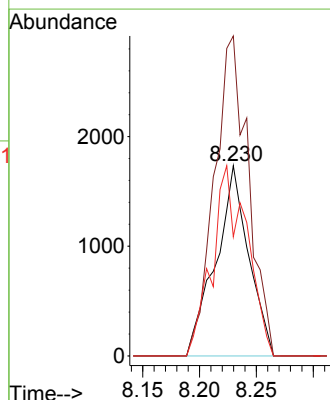
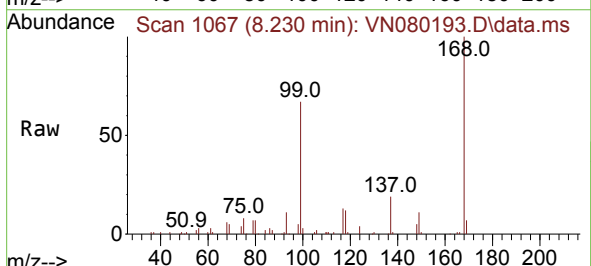
RT: 8.230 min Scan# 1067

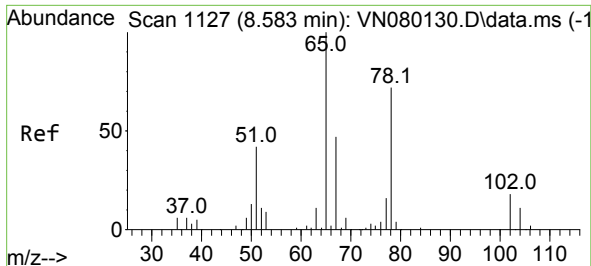
Delta R.T. -0.029 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Tgt Ion:	56	Resp:	3491
Ion	Ratio	Lower	Upper
56	100		
69	168.3	26.8	40.2#
84	62.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 59.063 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA_N

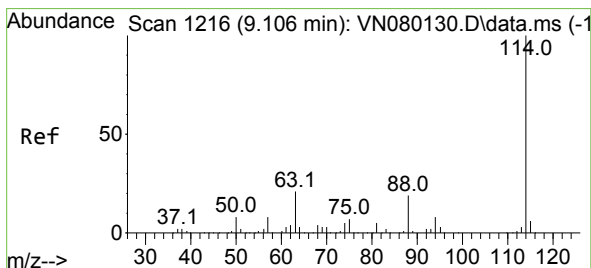
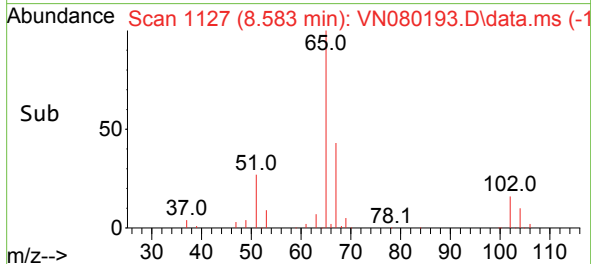
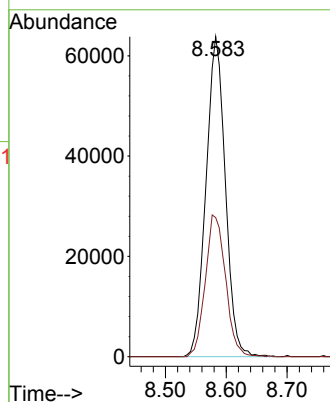
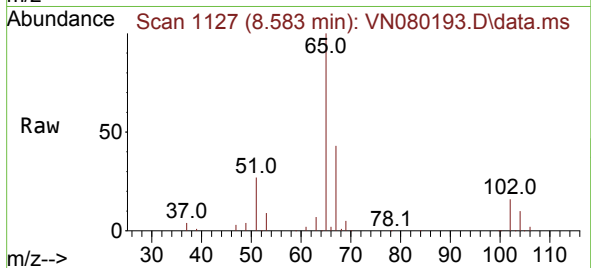
ClientSampleId :

Tgt Ion: 65 Resp: 140522

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: VN080193.D

Acq: 18 Nov 2023 18:07

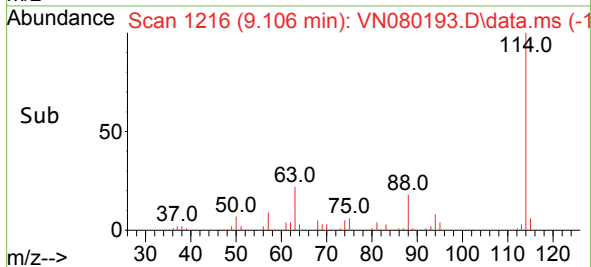
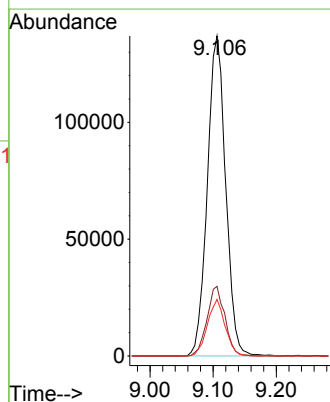
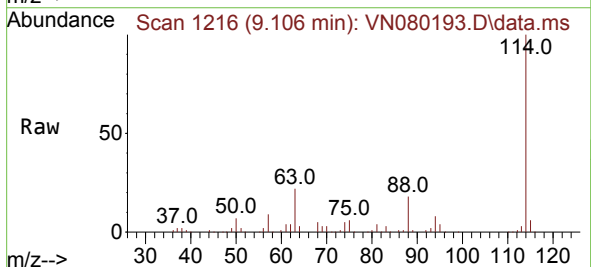
Tgt Ion: 114 Resp: 276149

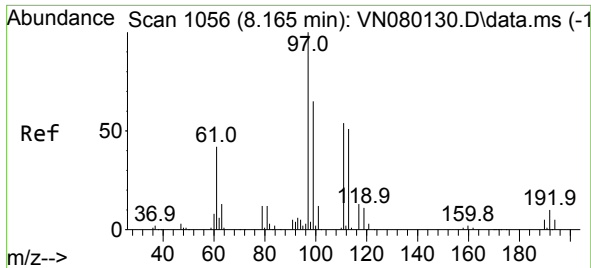
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 17.6 0.0 30.6

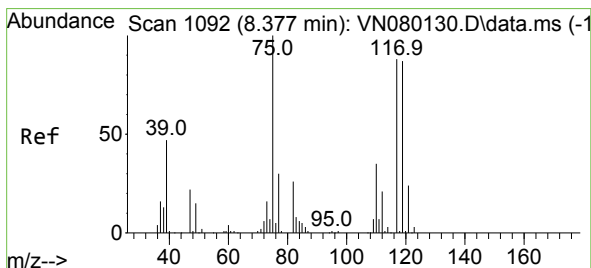
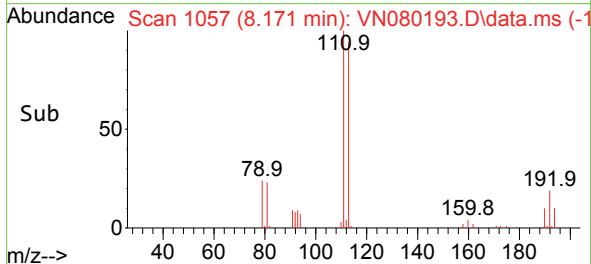
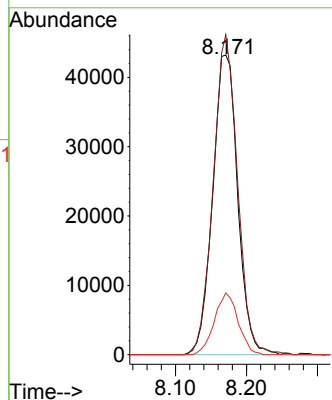
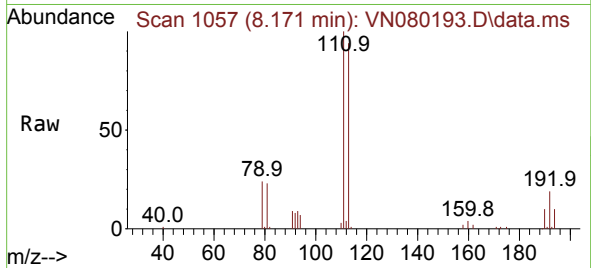




#35
Dibromofluoromethane
Concen: 51.868 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

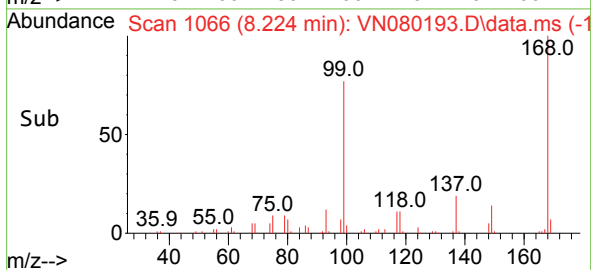
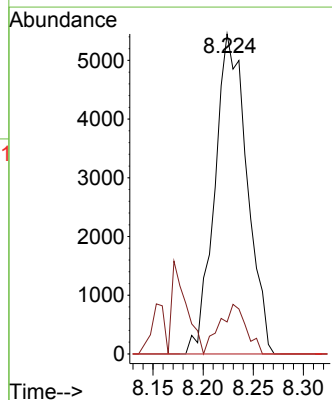
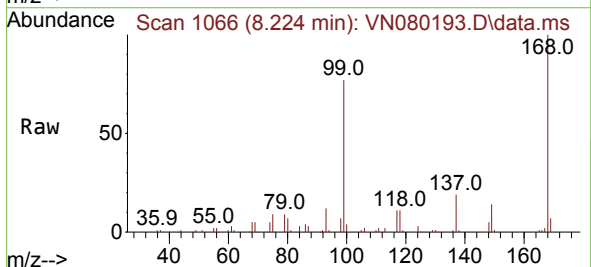
Instrument :
MSVOA_N
ClientSampleId :

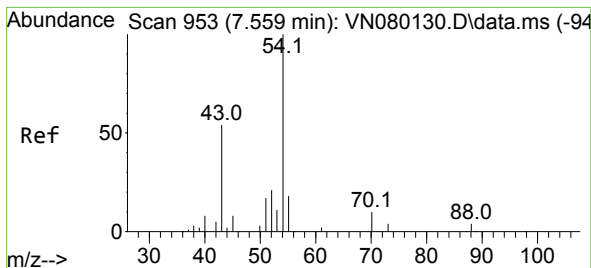
Tgt Ion:113 Resp: 105687
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.138 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion: 75 Resp: 12207
Ion Ratio Lower Upper
75 100
110 12.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.689 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

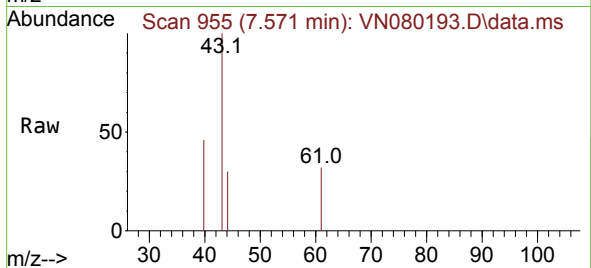
Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

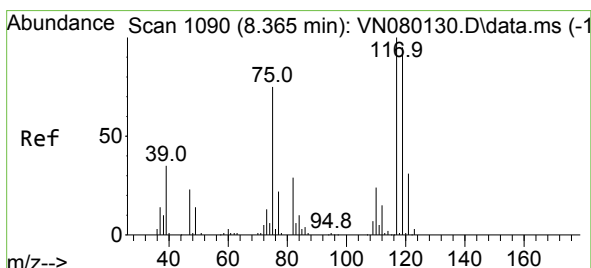
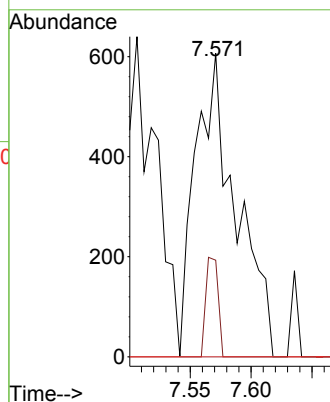
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1409
Ion	Ratio	Lower	Upper
43	100		
61	9.8	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.582 ug/l

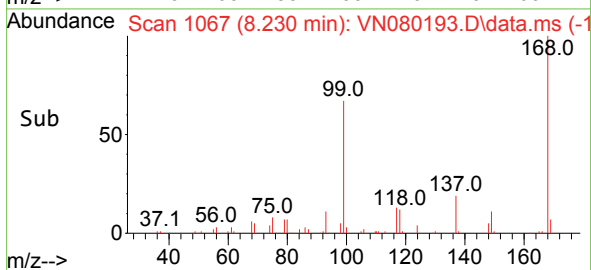
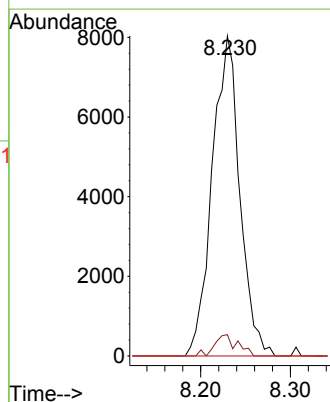
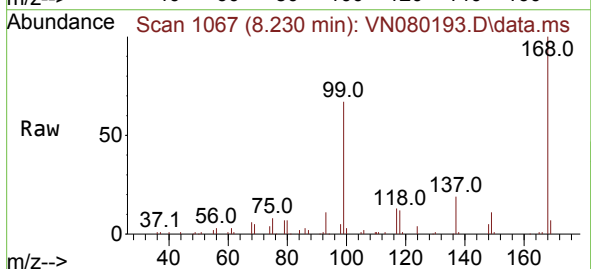
RT: 8.230 min Scan# 1067

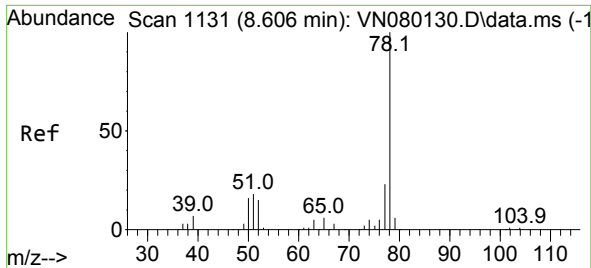
Delta R.T. -0.135 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Tgt Ion:	117	Resp:	17154
Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.3	115.9#
121	0.0	23.3	34.9#

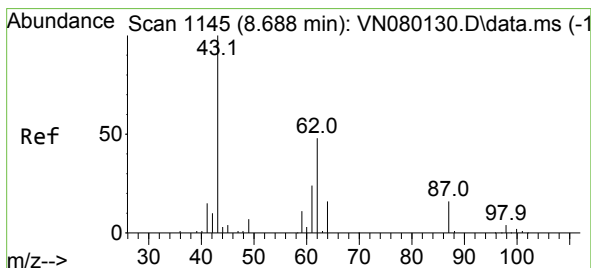
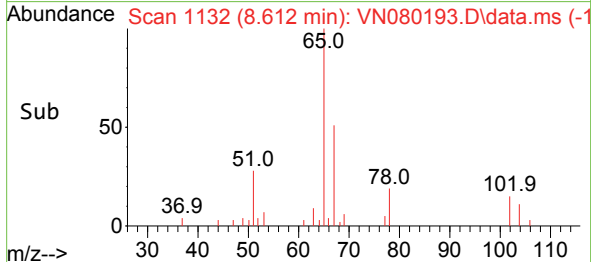
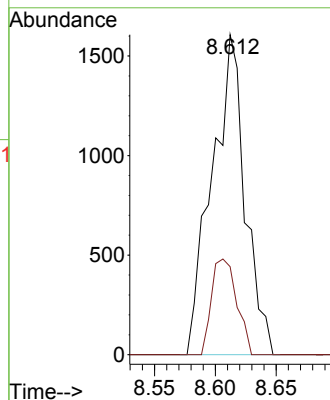
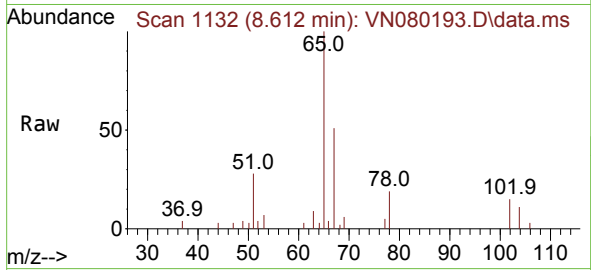




#40
Benzene
Concen: 0.362 ug/l
RT: 8.612 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

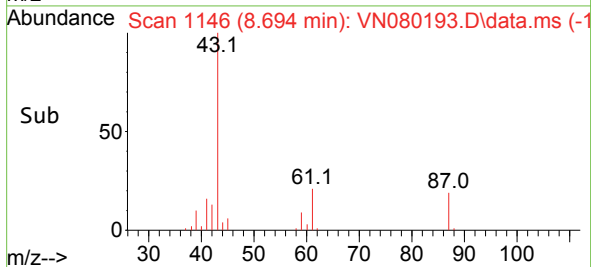
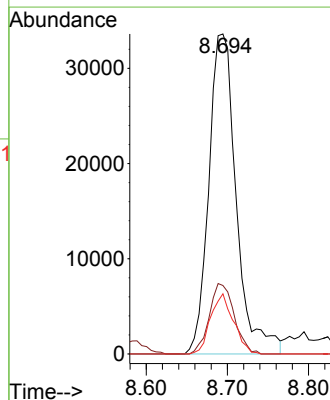
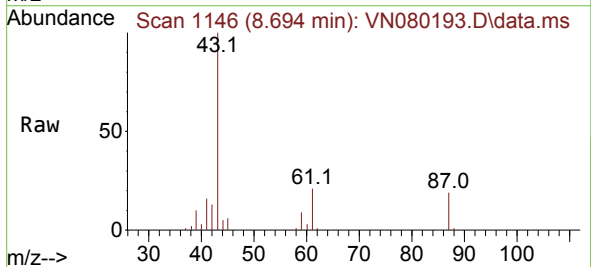
Instrument :
MSVOA_N
ClientSampleId :

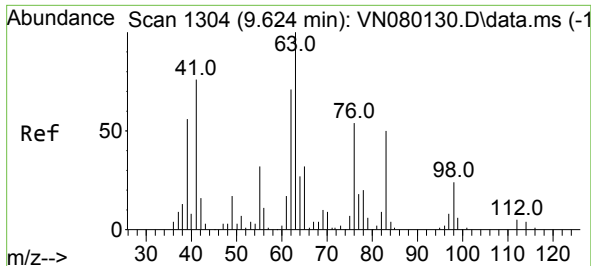
Tgt Ion: 78 Resp: 3038
Ion Ratio Lower Upper
78 100
77 27.5 19.0 28.6



#43
Isopropyl Acetate
Concen: 19.864 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion: 43 Resp: 79098
Ion Ratio Lower Upper
43 100
61 19.9 24.7 37.1#
87 15.7 14.6 21.8

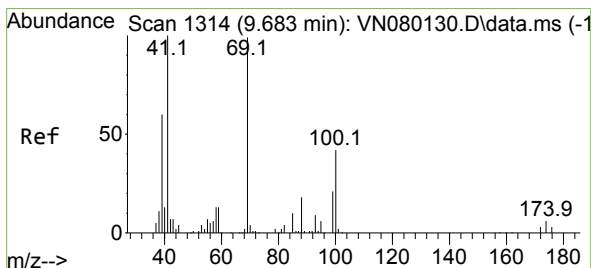
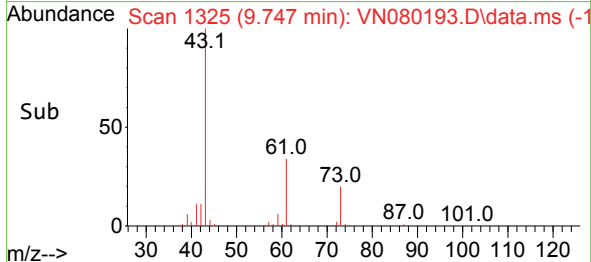
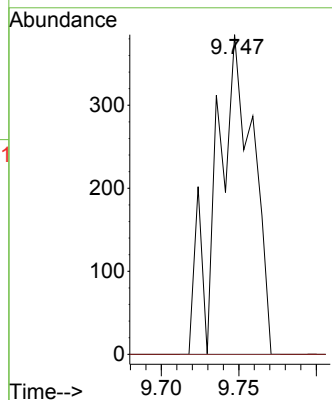
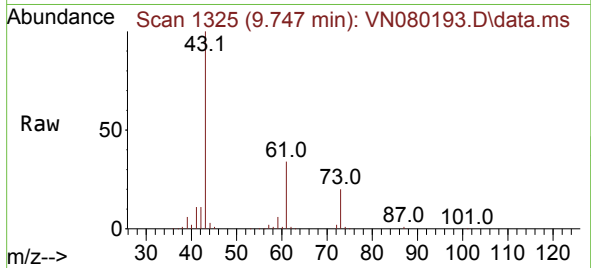




#45
1,2-Dichloropropane
Concen: 0.325 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

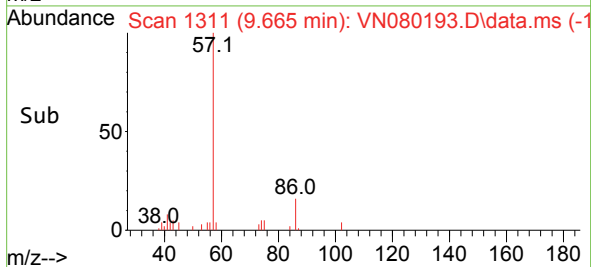
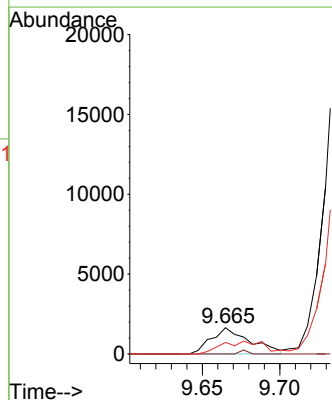
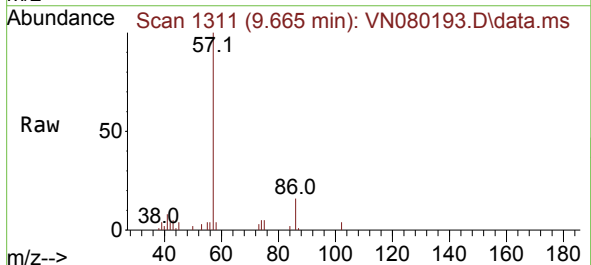
Instrument :
MSVOA_N
ClientSampleId :

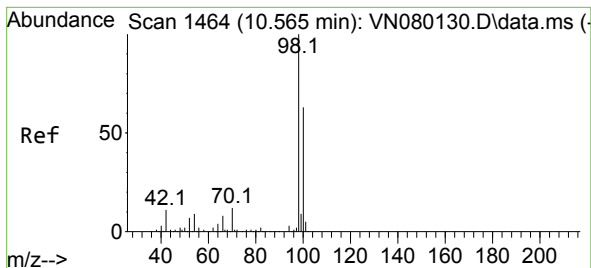
Tgt Ion: 63 Resp: 633
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.386 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion: 41 Resp: 2844
Ion Ratio Lower Upper
41 100
69 3.1 90.4 135.6#
39 57.0 54.6 81.8





#50

Toluene-d8

Concen: 52.143 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA_N

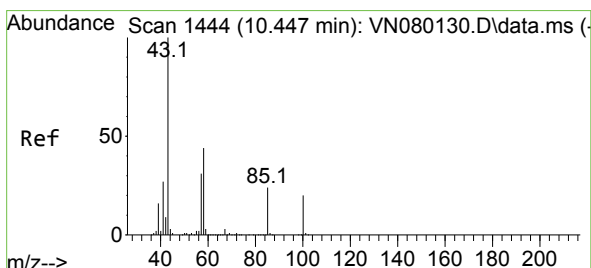
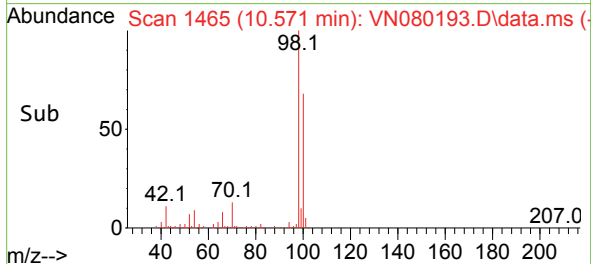
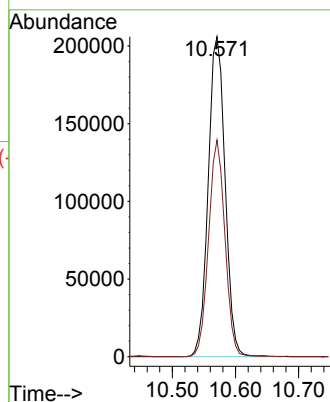
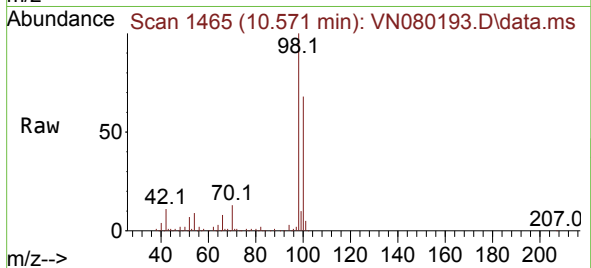
ClientSampleId :

Tgt Ion: 98 Resp: 382997

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.067 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN080193.D

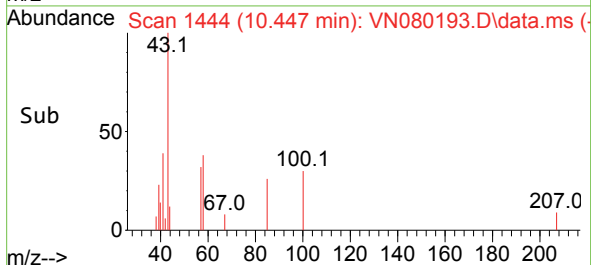
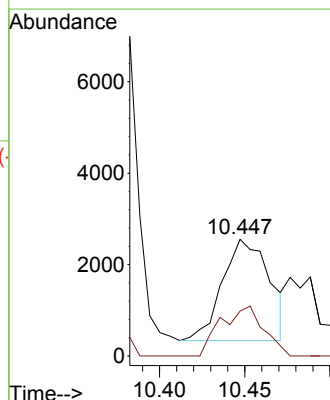
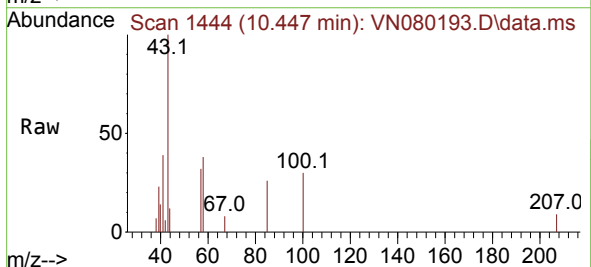
Acq: 18 Nov 2023 18:07

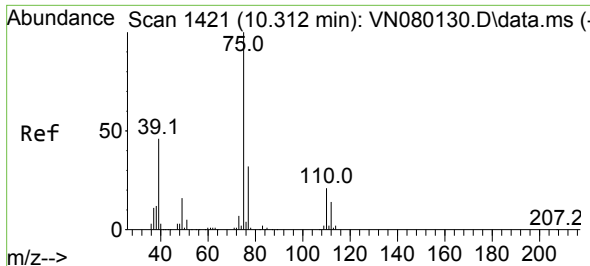
Tgt Ion: 43 Resp: 4261

Ion Ratio Lower Upper

43 100

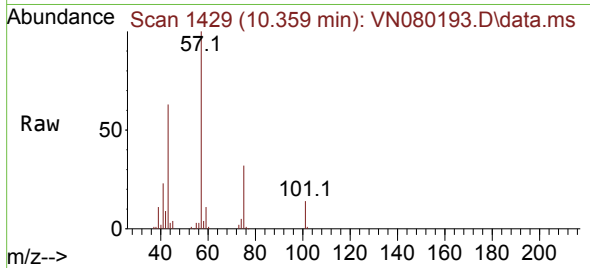
58 44.7 36.6 54.8



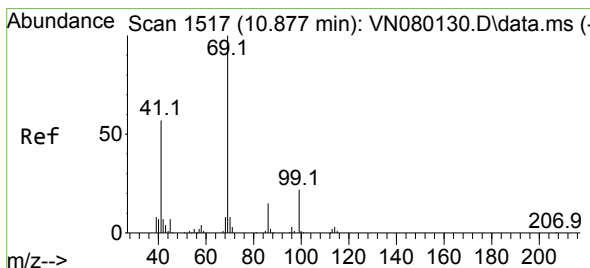
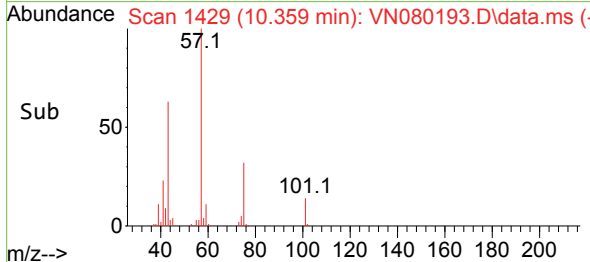
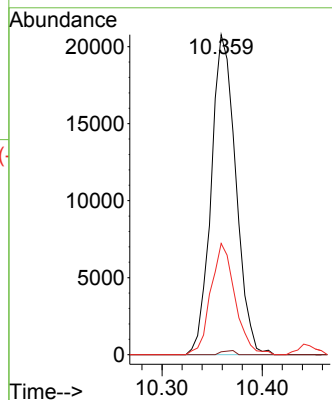


#54
 cis-1,3-Dichloropropene
 Concen: 10.422 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080193.D
 Acq: 18 Nov 2023 18:07

Instrument :
 MSVOA_N
 ClientSampleId :

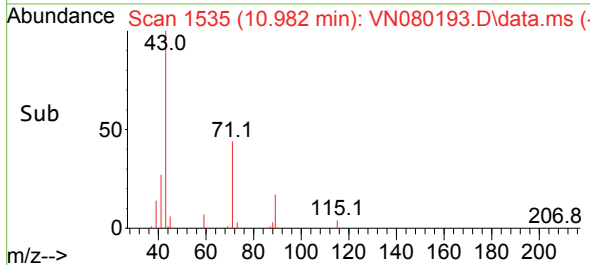
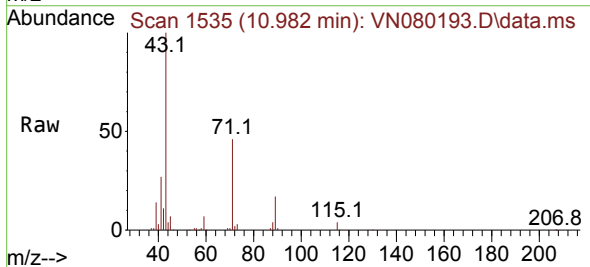
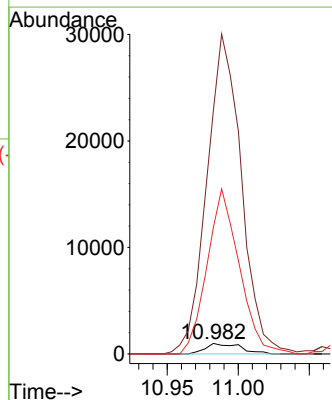


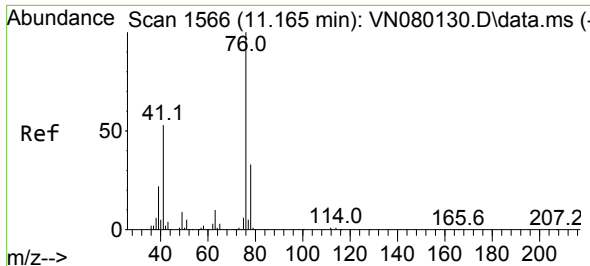
Tgt Ion: 75 Resp: 35493
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 34.8 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.833 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080193.D
 Acq: 18 Nov 2023 18:07

Tgt Ion: 69 Resp: 1705
 Ion Ratio Lower Upper
 69 100
 41 2975.1 39.6 59.4#
 39 1436.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.954 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA_N

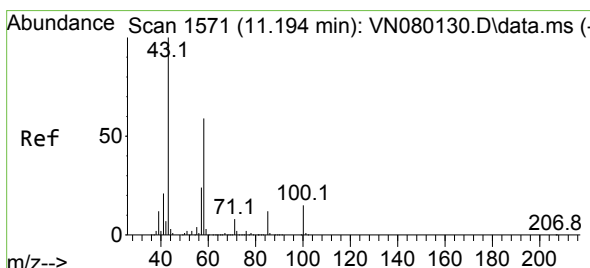
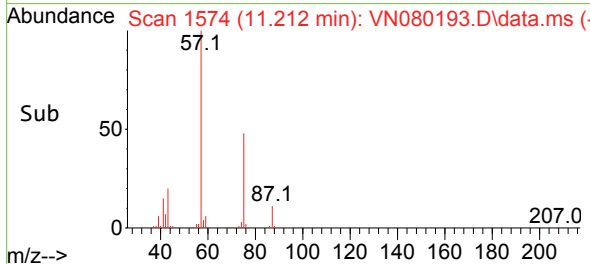
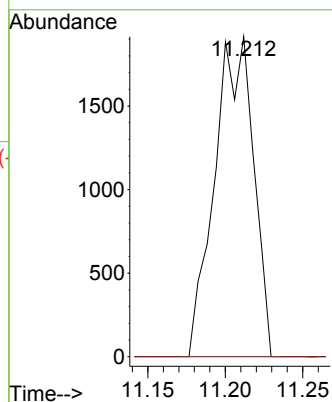
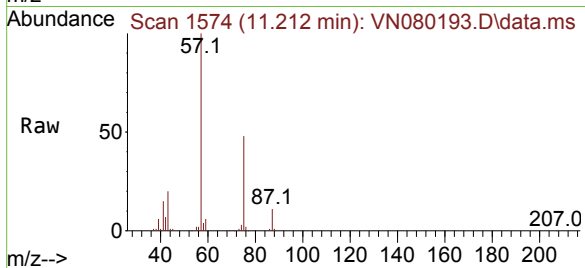
ClientSampleId :

Tgt Ion: 76 Resp: 3337

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.973 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080193.D

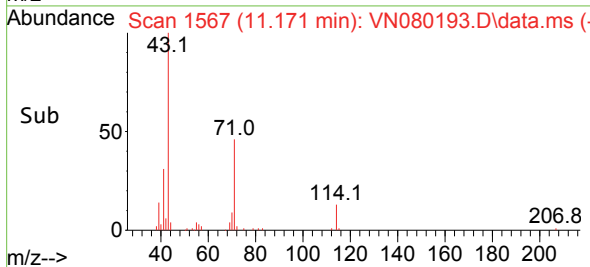
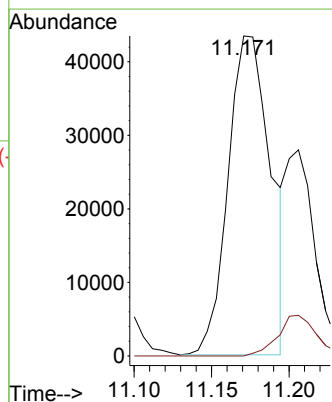
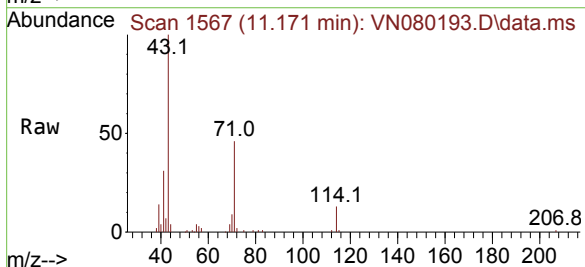
Acq: 18 Nov 2023 18:07

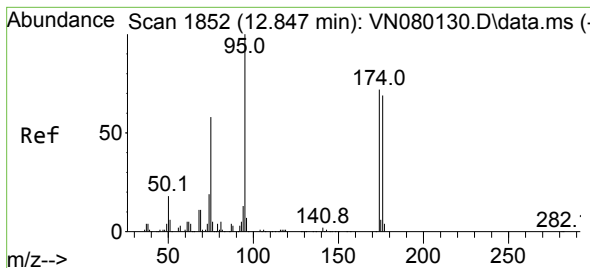
Tgt Ion: 43 Resp: 82785

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

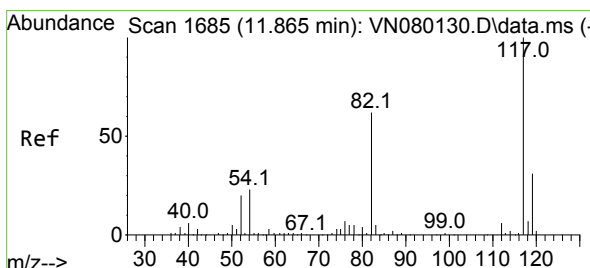
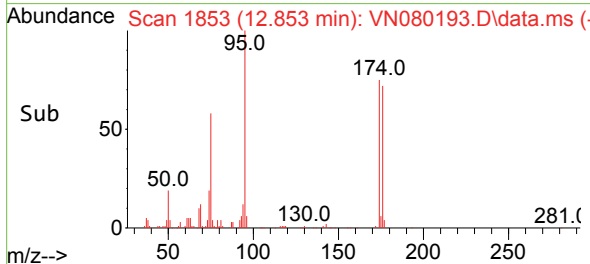
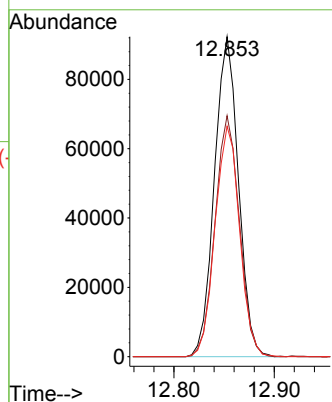
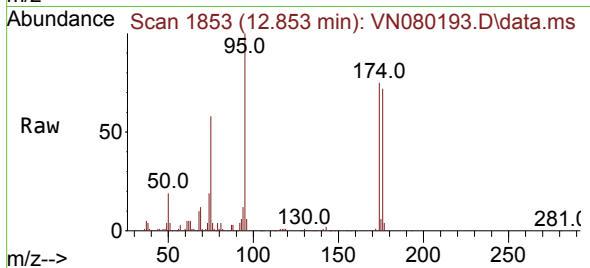




#62
4-Bromofluorobenzene
Concen: 55.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

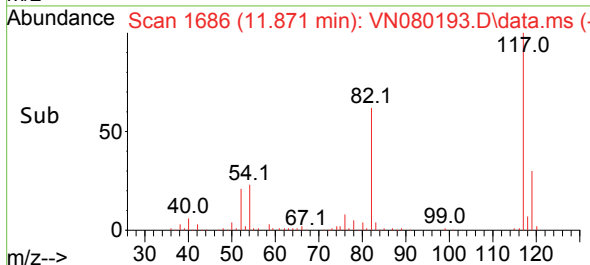
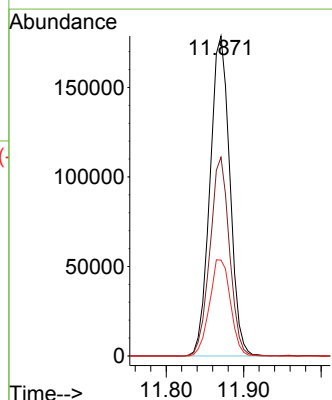
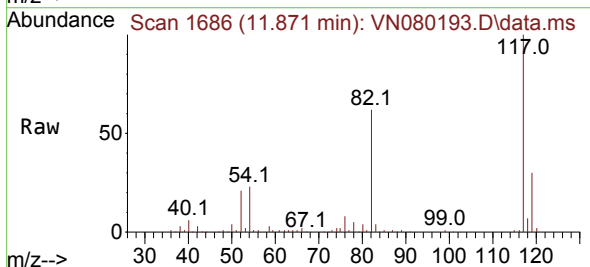
Instrument :
MSVOA_N
ClientSampleId :

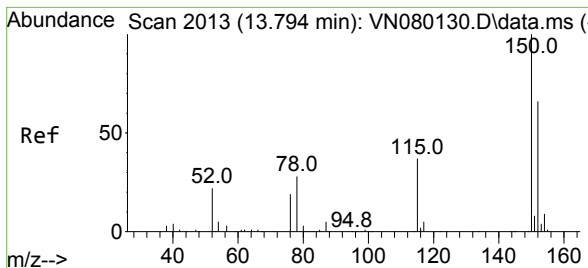
Tgt Ion: 95 Resp: 153519
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080193.D
Acq: 18 Nov 2023 18:07

Tgt Ion: 117 Resp: 318124
Ion Ratio Lower Upper
117 100
82 62.1 44.0 66.0
119 30.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN080193.D

Acq: 18 Nov 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

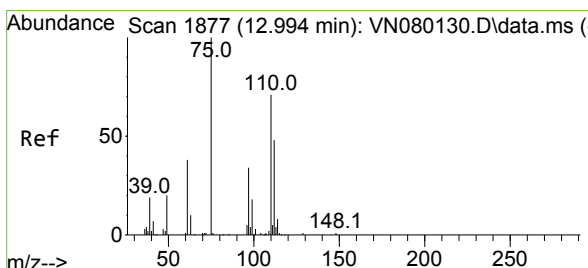
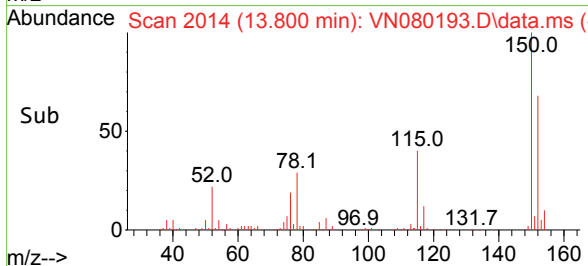
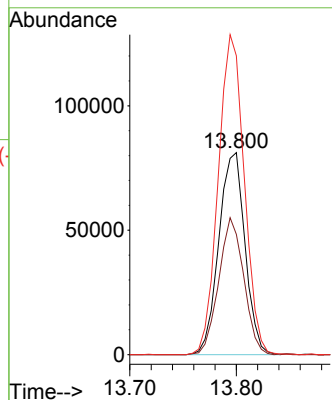
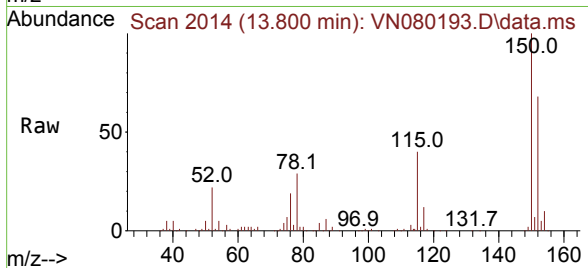
Tgt Ion:152 Resp: 138689

Ion Ratio Lower Upper

152 100

115 64.8 32.3 96.8

150 157.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.235 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080193.D

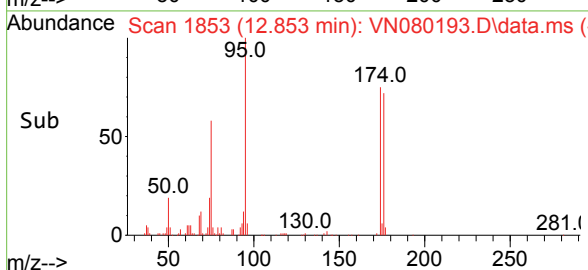
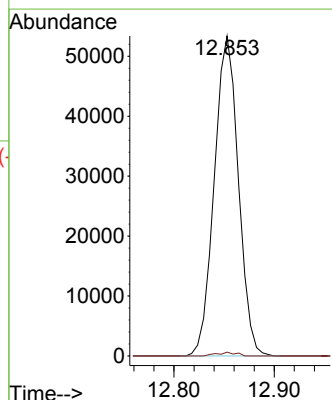
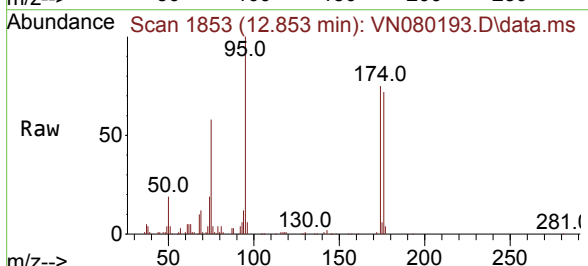
Acq: 18 Nov 2023 18:07

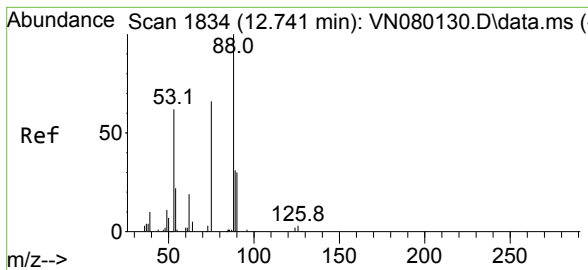
Tgt Ion: 75 Resp: 89151

Ion Ratio Lower Upper

75 100

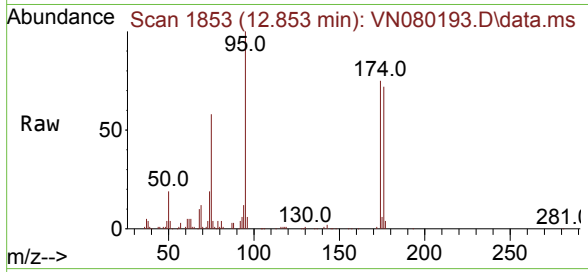
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.639 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080193.D
 Acq: 18 Nov 2023 18:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.1	38.8	58.2#

