

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078949.D
 Acq On : 18 Aug 2023 18:00
 Operator : JC\MD
 Sample : PB154902ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:46:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

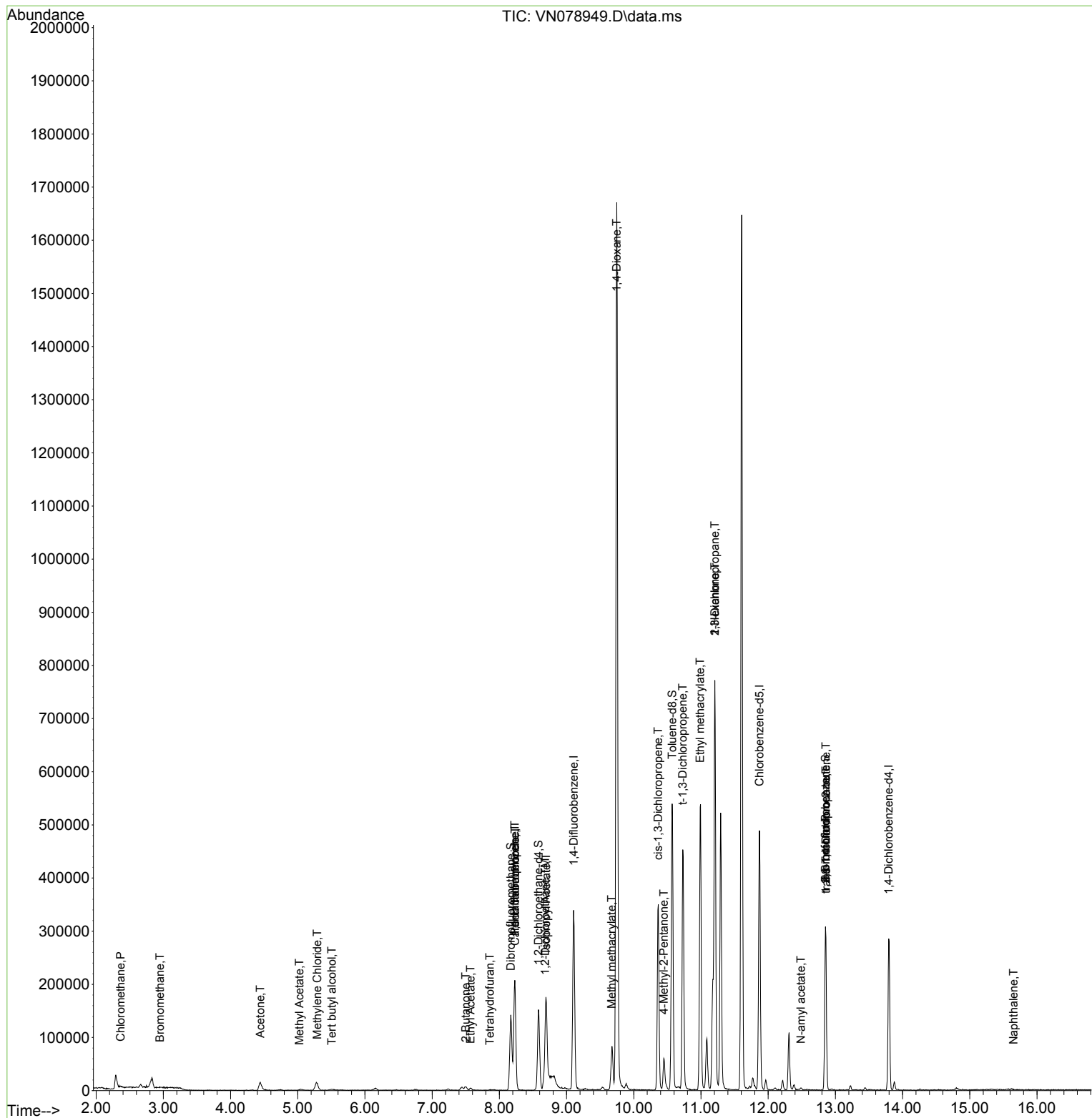
Internal Standards						
1) Pentafluorobenzene	8.230	168	146052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	271044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116988	51.475	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.960%			
35) Dibromofluoromethane	8.171	113	97894	51.596	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	10.571	98	359601	51.045	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	12.853	95	101994	44.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.580%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1185	0.419	ug/l	94
5) Bromomethane	2.948	94	342	0.240	ug/l #	68
11) Tert butyl alcohol	5.506	59	1120	2.937	ug/l #	72
16) Acetone	4.442	43	29226	31.166	ug/l	92
18) Methyl Acetate	5.024	43	998	0.252	ug/l #	51
20) Methylene Chloride	5.289	84	10716	5.362	ug/l	89
25) 2-Butanone	7.500	43	12017	7.993	ug/l #	77
29) Tetrahydrofuran	7.859	42	524	0.527	ug/l #	28
31) Cyclohexane	8.241	56	4067	Below Cal	#	43
36) 1,1-Dichloropropene	8.230	75	12971	4.545	ug/l #	48
37) Ethyl Acetate	7.571	43	4748	1.487	ug/l #	86
38) Carbon Tetrachloride	8.235	117	15699	5.490	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1114	0.353	ug/l #	73
43) Isopropyl Acetate	8.694	43	224971	39.860	ug/l #	73
48) Methyl methacrylate	9.671	41	5483	2.144	ug/l #	34
49) 1,4-Dioxane	9.747	88	282	6.473	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	45983	13.737	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	1081	0.331	ug/l #	24
54) cis-1,3-Dichloropropene	10.365	75	58190	16.378	ug/l #	74
56) Ethyl methacrylate	10.988	69	2351	0.730	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7891	2.124	ug/l #	42
59) 2-Hexanone	11.206	43	105113	43.353	ug/l #	46
71) Bromoform	12.853	173	1355	0.855	ug/l #	28
74) N-amyl acetate	12.488	43	1717	0.540	ug/l #	42
76) 1,2,3-Trichloropropane	12.859	75	55791	30.664	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	55791	78.335	ug/l #	15
95) Naphthalene	15.653	128	74	2.595	ug/l #	70

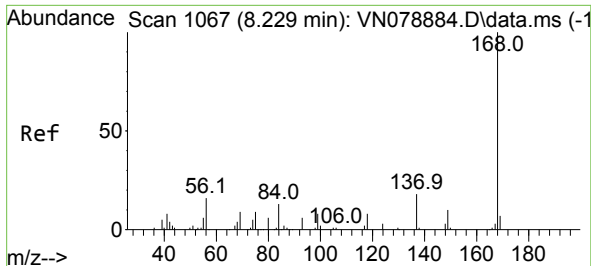
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
Data File : VN078949.D
Acq On : 18 Aug 2023 18:00
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Sample : PB154902ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
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QLast Update : Wed Aug 16 02:42:02 2023
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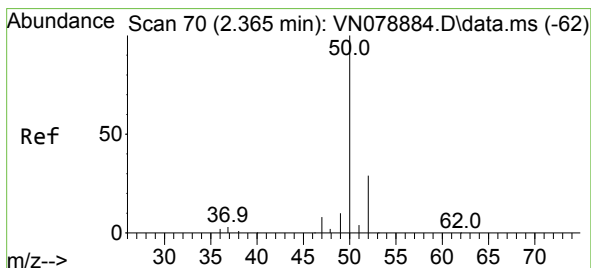
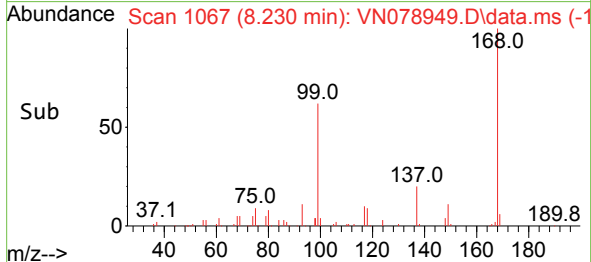
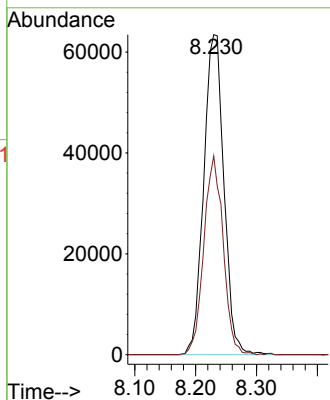
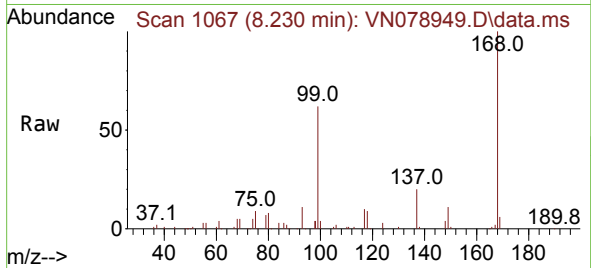




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

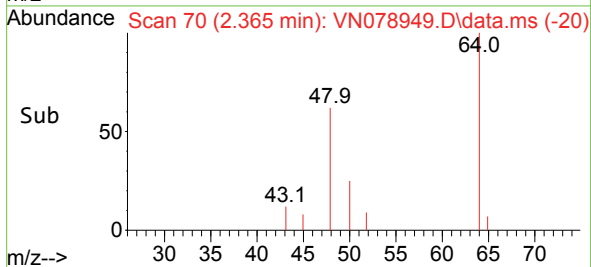
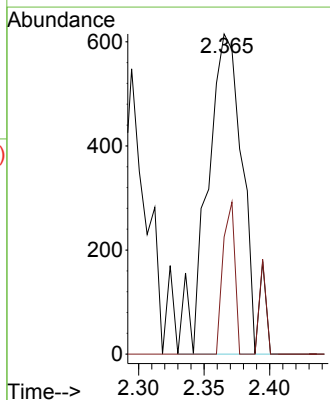
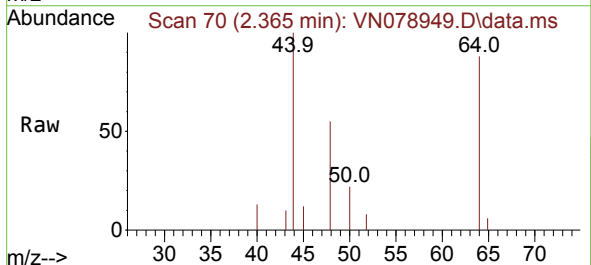
Instrument :
MSVOA_N
ClientSampleId :

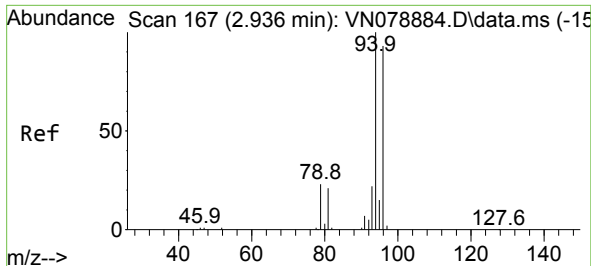
Tgt Ion:168 Resp: 146052
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: 0.419 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion: 50 Resp: 1185
Ion Ratio Lower Upper
50 100
52 36.6 26.5 39.7

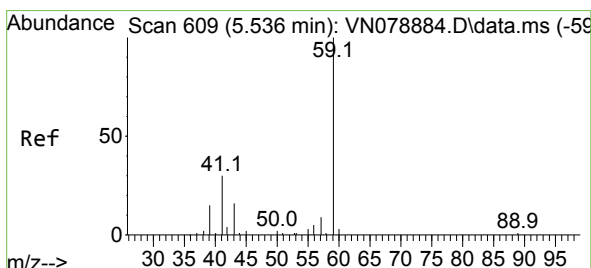
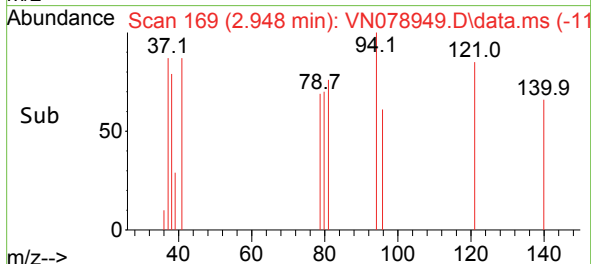
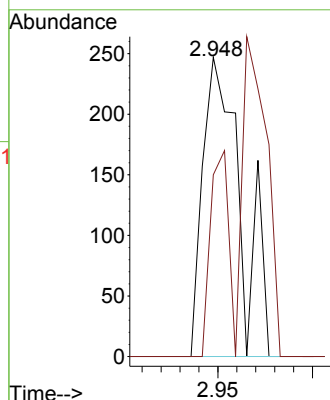
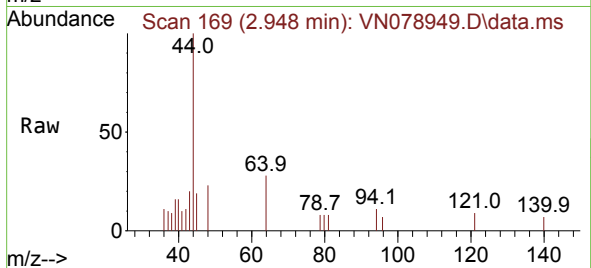




#5
Bromomethane
Concen: 0.240 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

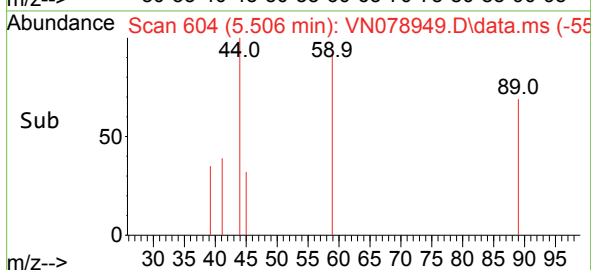
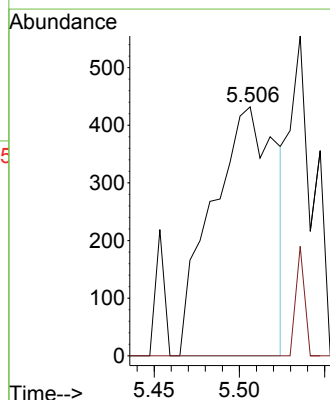
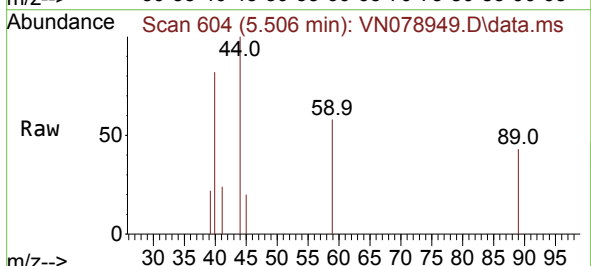
Instrument :
MSVOA_N
ClientSampleId :

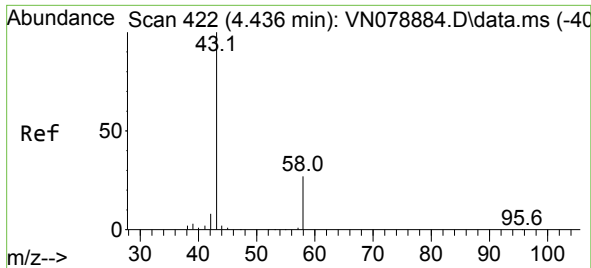
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 60.7 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.937 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion: 59 Resp: 1120
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 31.166 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Instrument :

MSVOA_N

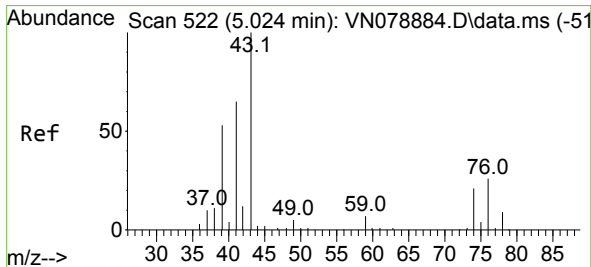
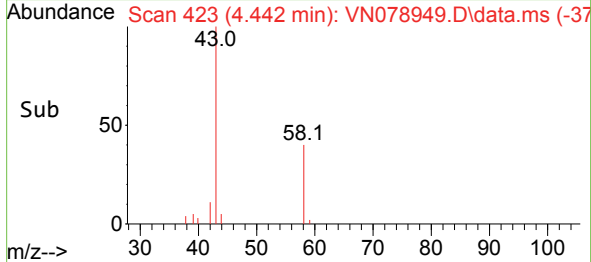
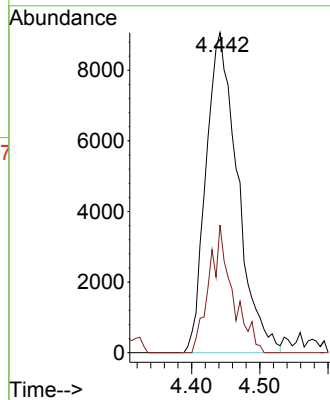
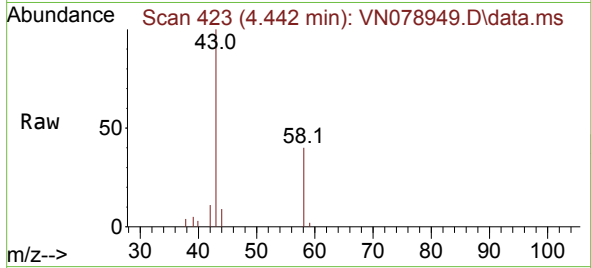
ClientSampleId :

Tgt Ion: 43 Resp: 29226

Ion Ratio Lower Upper

43 100

58 39.9 28.0 42.0



#18

Methyl Acetate

Concen: 0.252 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.018 min

Lab File: VN078949.D

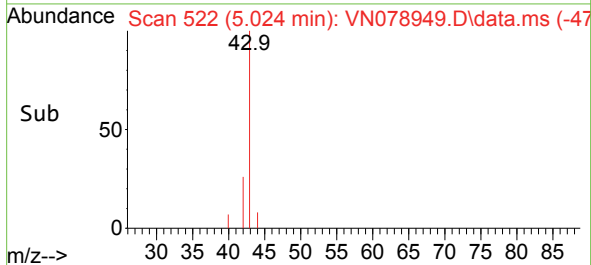
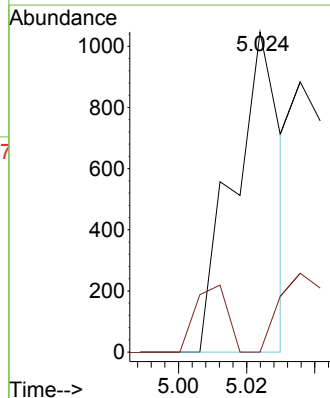
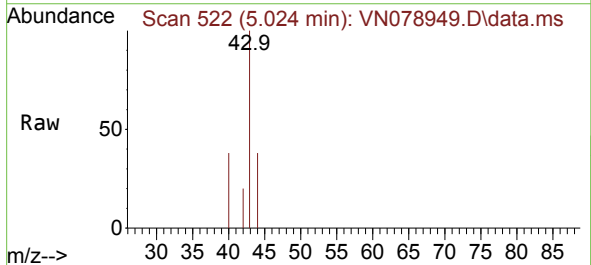
Acq: 18 Aug 2023 18:00

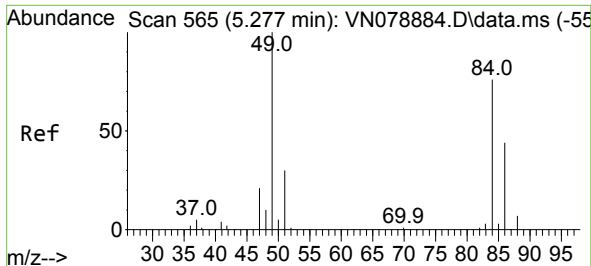
Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

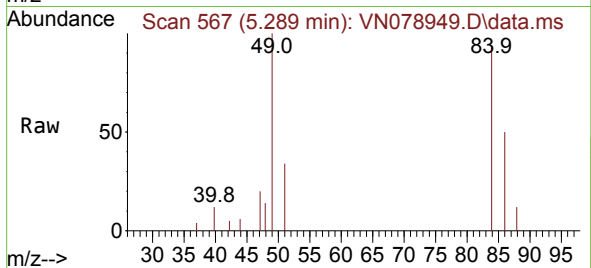
74 60.5 26.2 39.4#



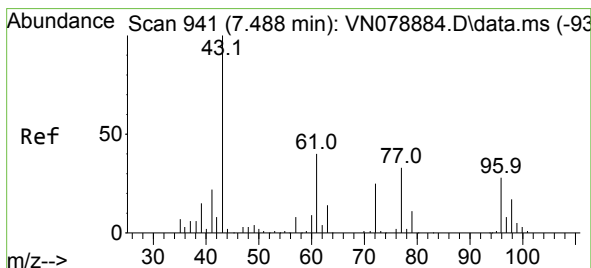
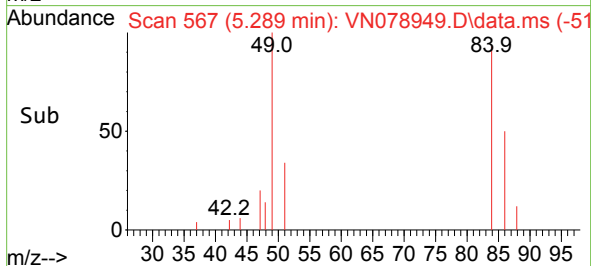
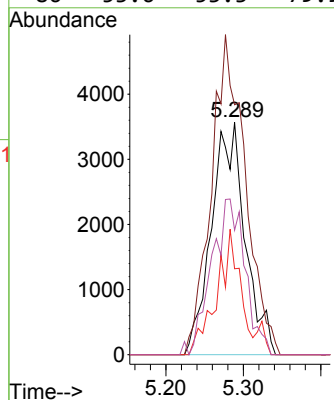


#20
Methylene Chloride
Concen: 5.362 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

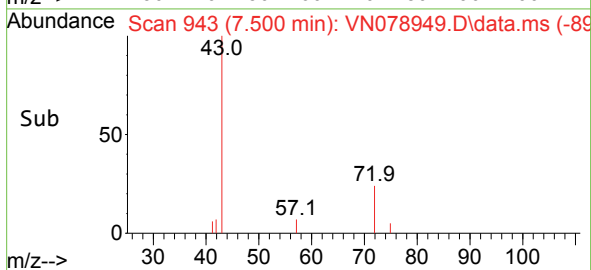
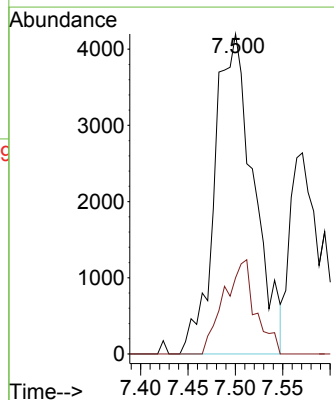
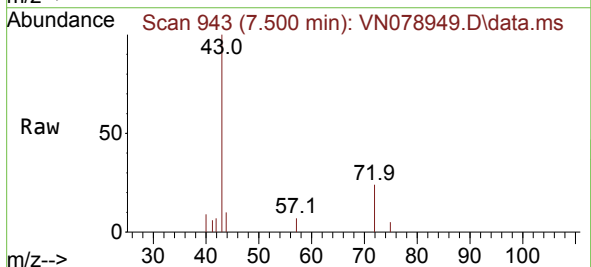


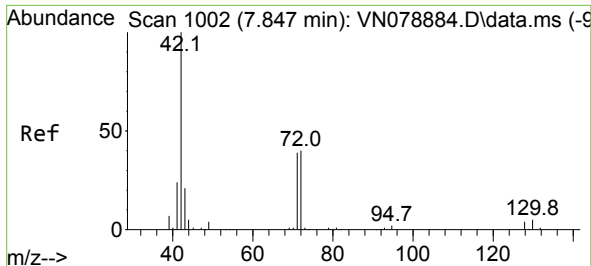
Tgt Ion:	84	Resp:	10716
Ion	Ratio	Lower	Upper
84	100		
49	107.5	79.7	119.5
51	37.0	25.2	37.8
86	53.6	53.3	79.9



#25
2-Butanone
Concen: 7.993 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion:	43	Resp:	12017
Ion	Ratio	Lower	Upper
43	100		
72	23.8	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.527 ug/l

RT: 7.859 min Scan# 1069

Delta R.T. 0.012 min

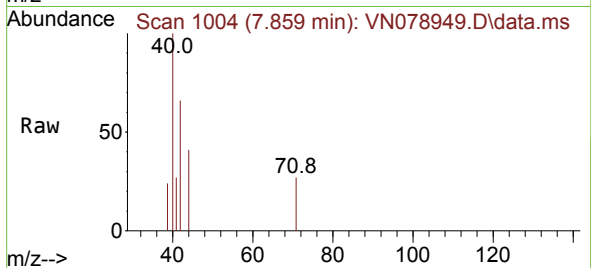
Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

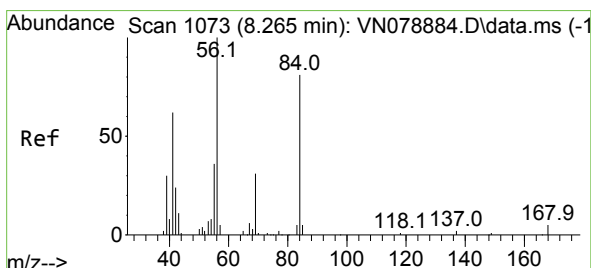
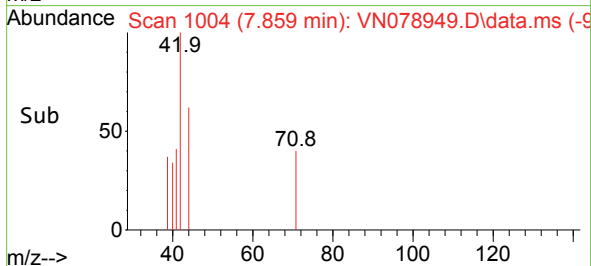
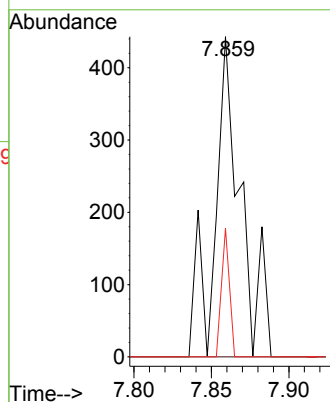
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	524
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	12.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

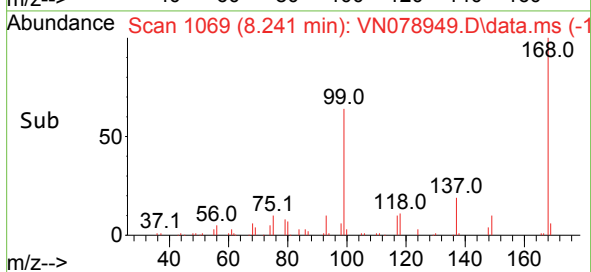
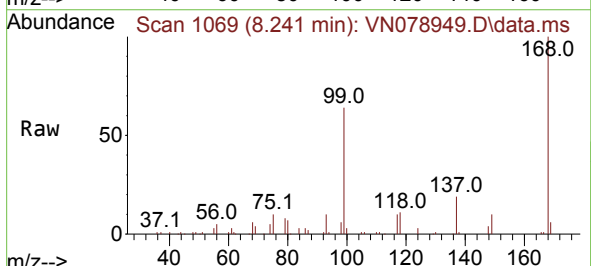
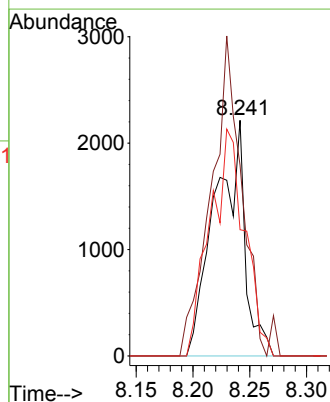
RT: 8.241 min Scan# 1069

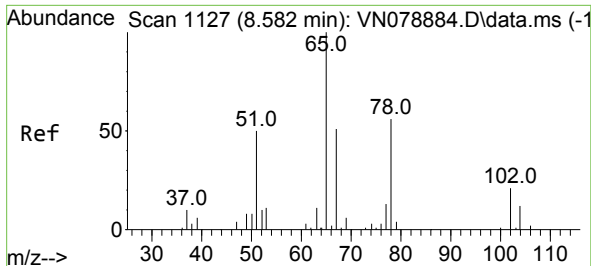
Delta R.T. -0.024 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Tgt Ion:	56	Resp:	4067
Ion	Ratio	Lower	Upper
56	100		
69	81.0	26.8	40.2#
84	53.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.475 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Instrument :

MSVOA_N

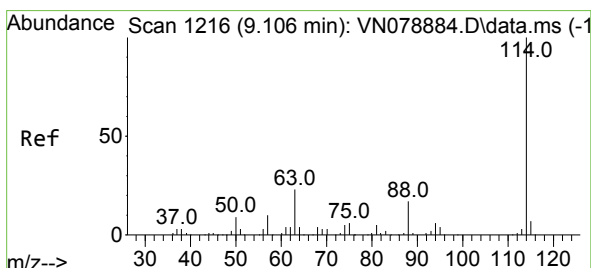
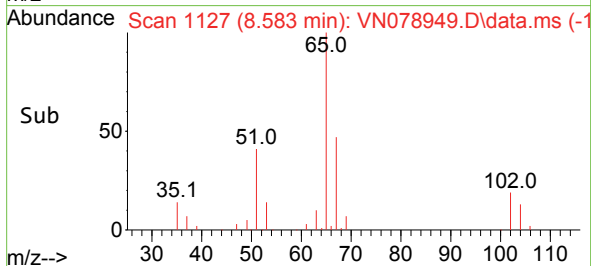
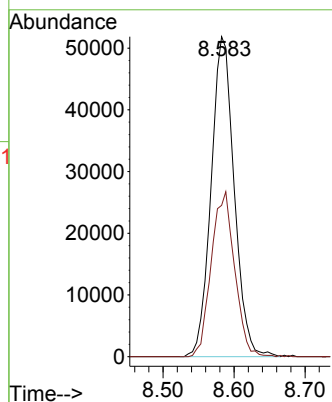
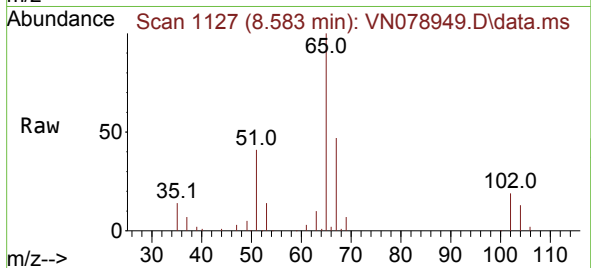
ClientSampleId :

Tgt Ion: 65 Resp: 116988

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. -0.006 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

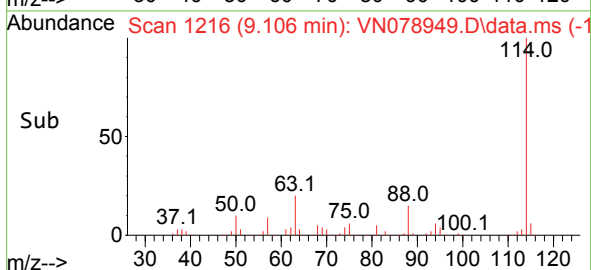
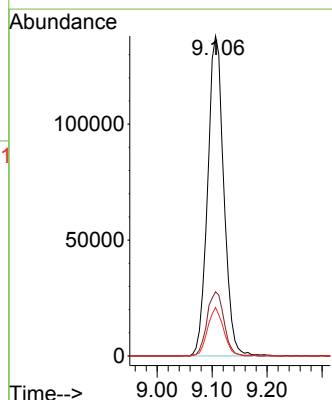
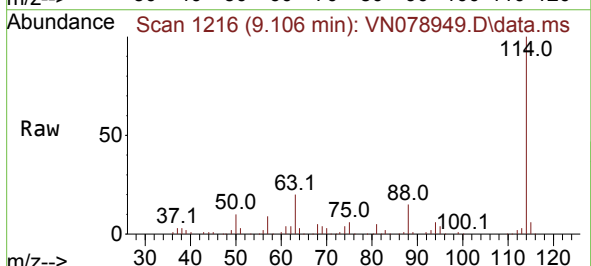
Tgt Ion: 114 Resp: 281855

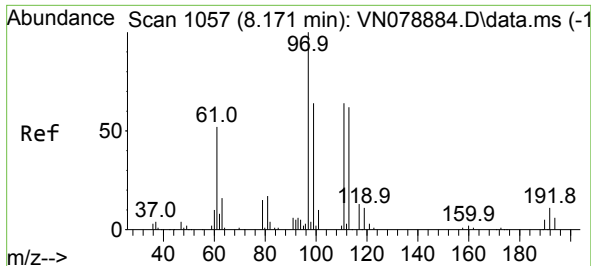
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

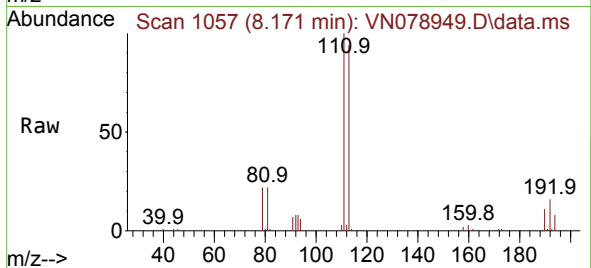
88 15.2 0.0 30.6



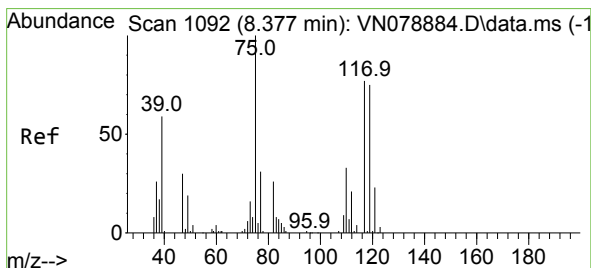
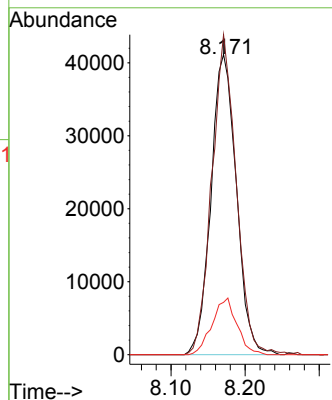
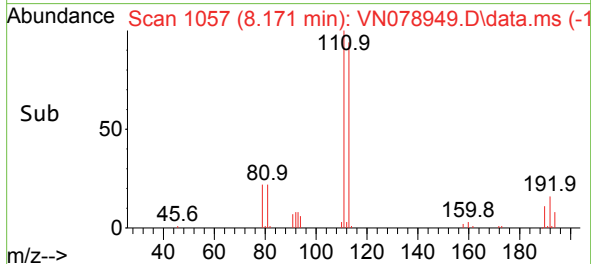


#35
Dibromofluoromethane
Concen: 51.596 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

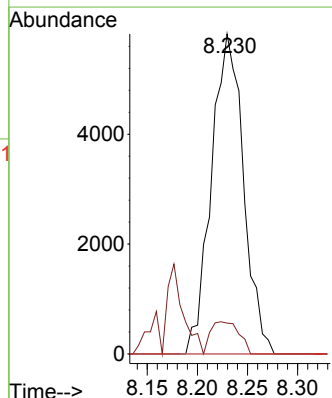
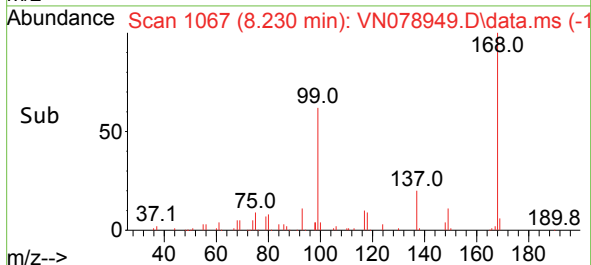
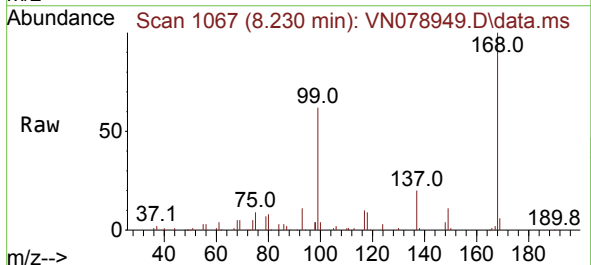


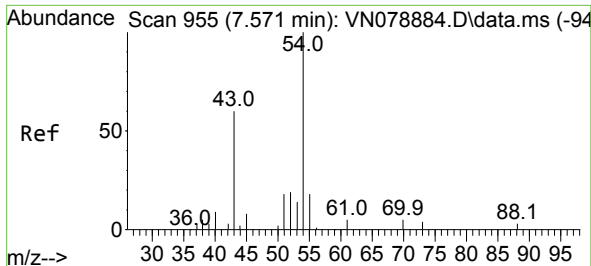
Tgt Ion:113 Resp: 97894
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion: 75 Resp: 12971
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.487 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN078949.D

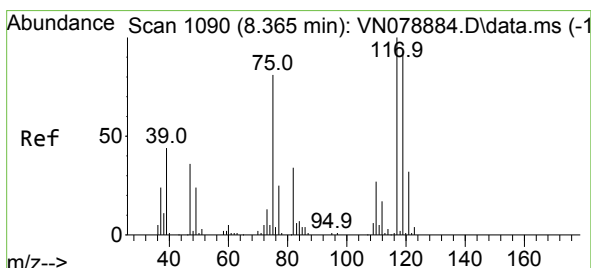
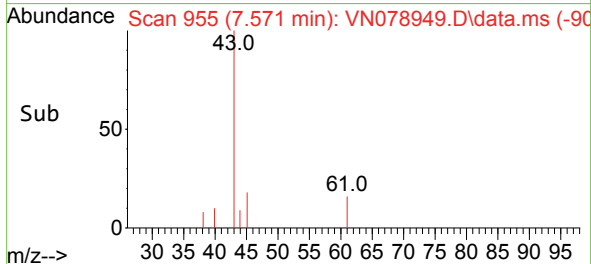
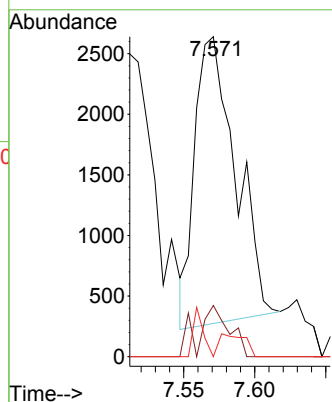
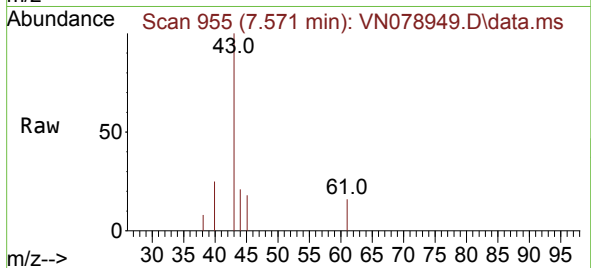
Acq: 18 Aug 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 4748
Ion Ratio	Lower Upper
43 100	
61 13.5	13.2 19.8
70 5.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.490 ug/l

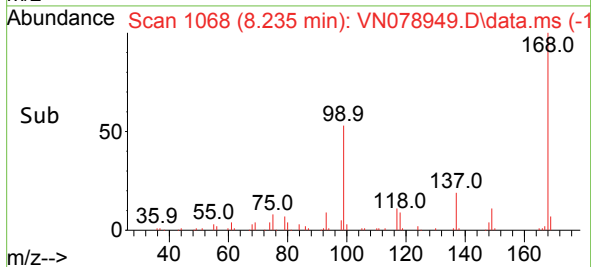
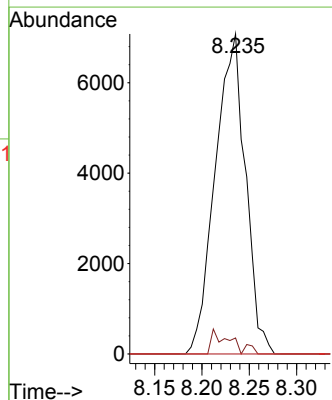
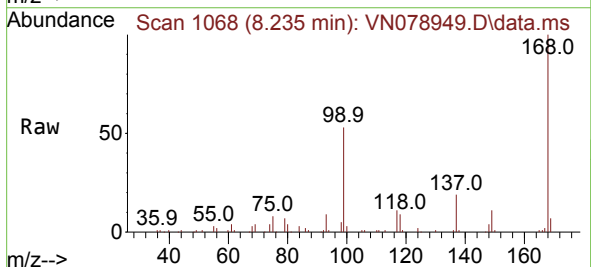
RT: 8.235 min Scan# 1068

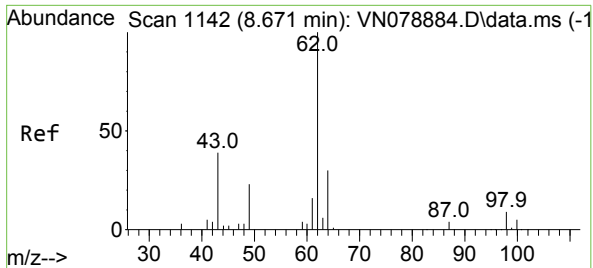
Delta R.T. -0.136 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Tgt Ion: 117	Resp: 15699
Ion Ratio	Lower Upper
117 100	
119 5.0	77.3 115.9#
121 0.0	23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.353 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Instrument :

MSVOA_N

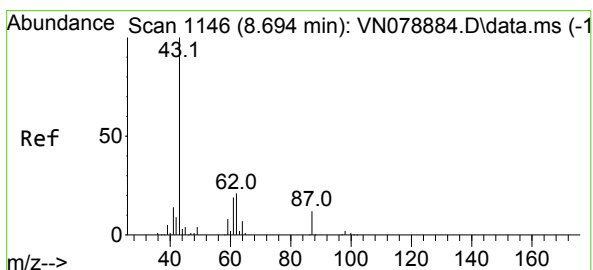
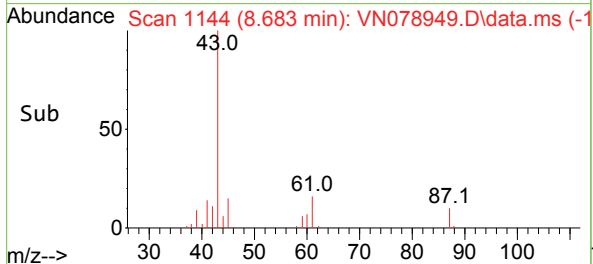
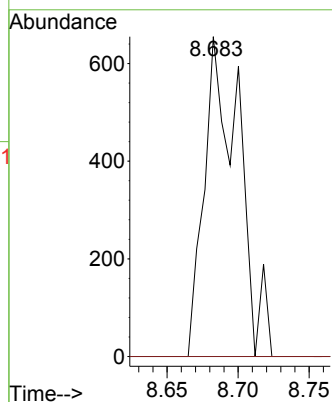
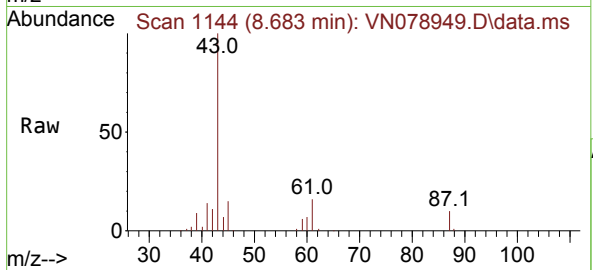
ClientSampleId :

Tgt Ion: 62 Resp: 1114

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.860 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

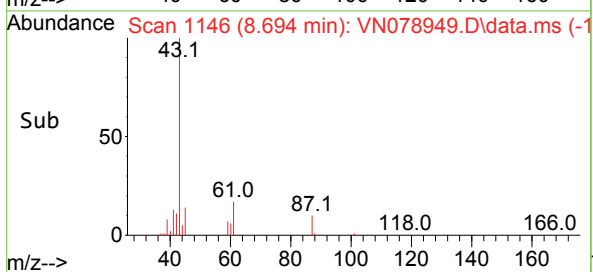
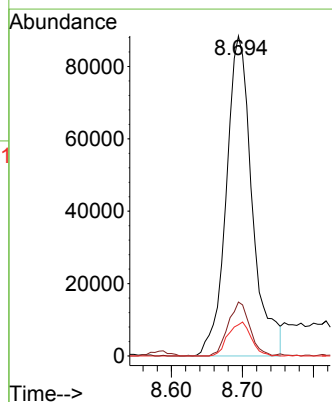
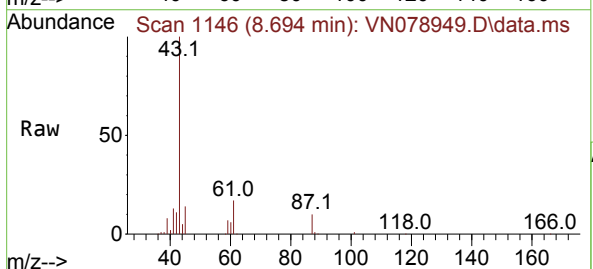
Tgt Ion: 43 Resp: 224971

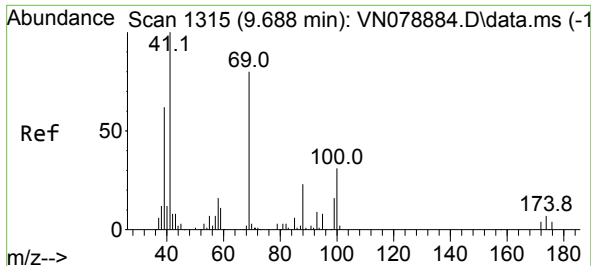
Ion Ratio Lower Upper

43 100

61 14.2 24.7 37.1#

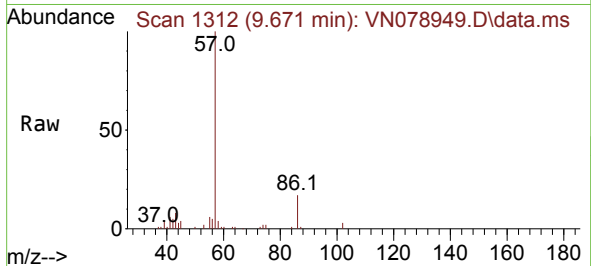
87 9.3 14.6 21.8#



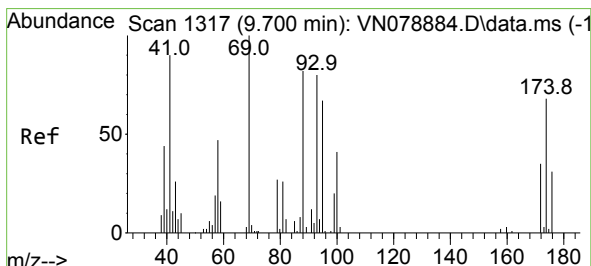
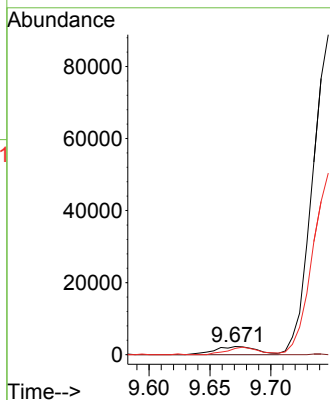
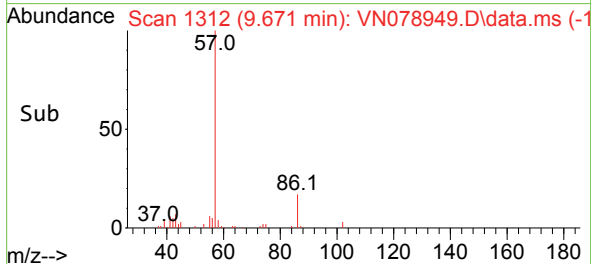


#48
Methyl methacrylate
Concen: 2.144 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

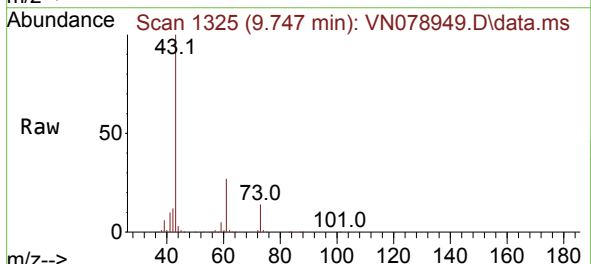
Instrument :
MSVOA_N
ClientSampleId :



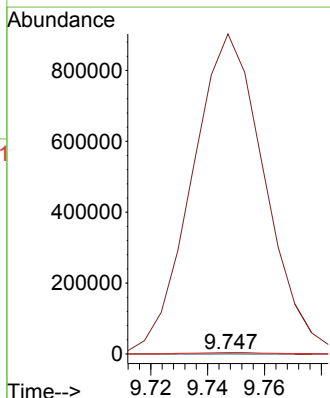
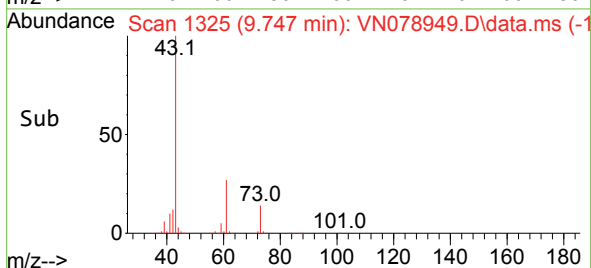
Tgt Ion: 41 Resp: 5483
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 69.2 54.6 81.8

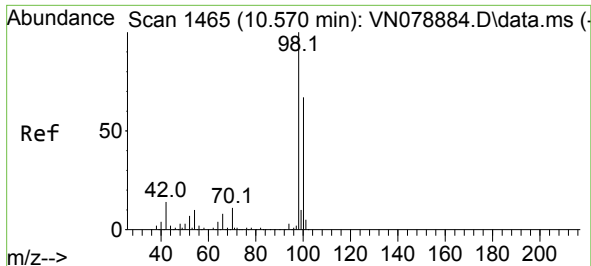


#49
1,4-Dioxane
Concen: 6.473 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00



Tgt Ion: 88 Resp: 282
Ion Ratio Lower Upper
88 100
43 576962.4 17.0 25.6#
58 2794.7 47.0 70.4#

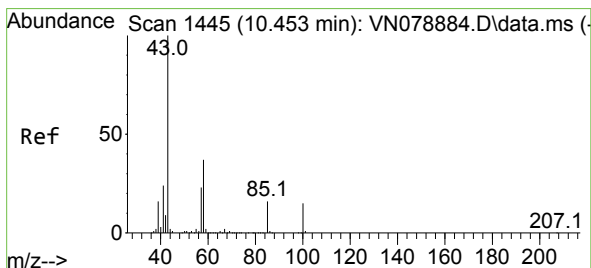
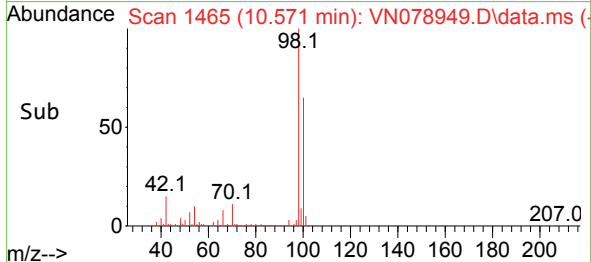
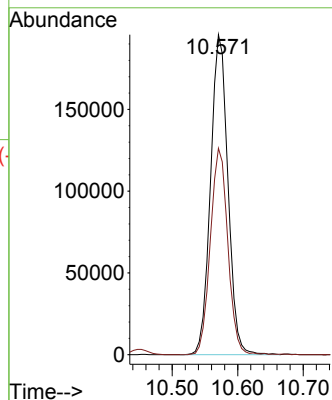
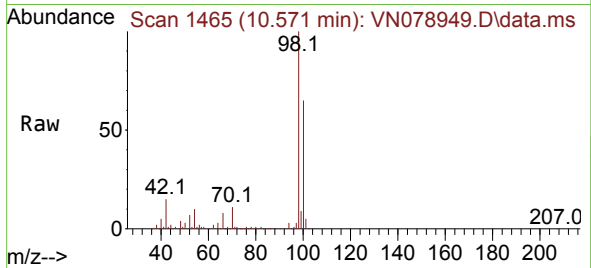




#50
Toluene-d8
Concen: 51.045 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

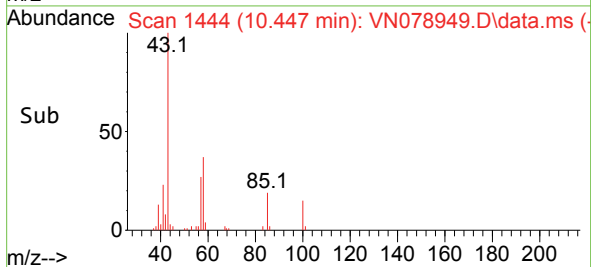
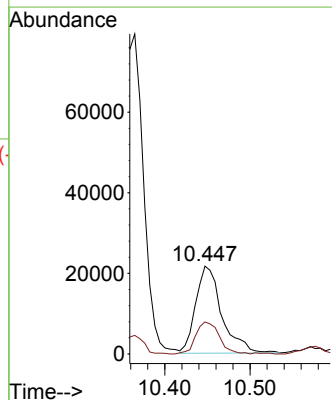
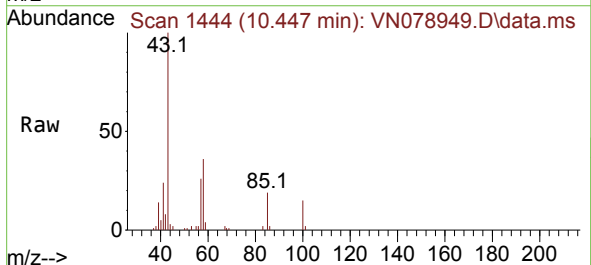
Instrument :
MSVOA_N
ClientSampleId :

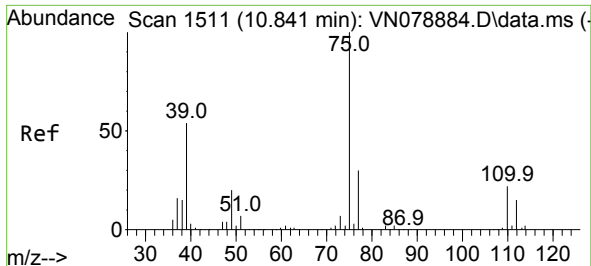
Tgt Ion: 98 Resp: 359601
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 13.737 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion: 43 Resp: 45983
Ion Ratio Lower Upper
43 100
58 33.0 36.6 54.8#

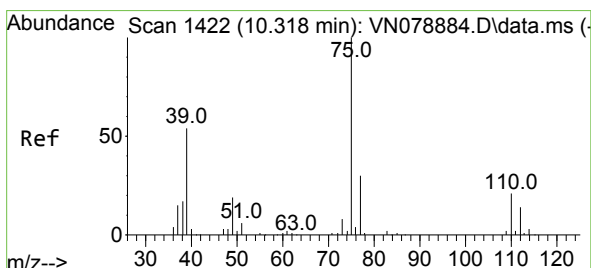
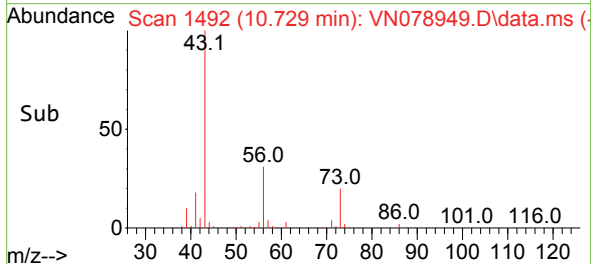
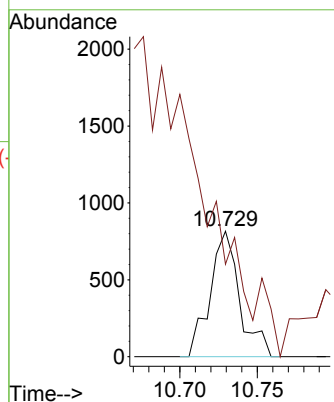
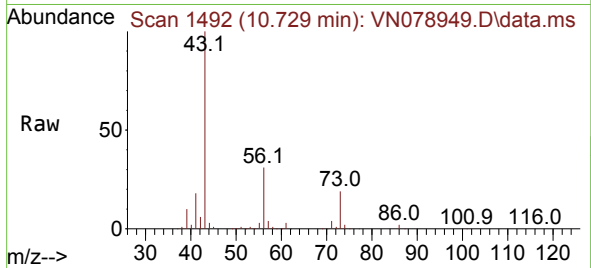




#53
 t-1,3-Dichloropropene
 Concen: 0.331 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN078949.D
 Acq: 18 Aug 2023 18:00

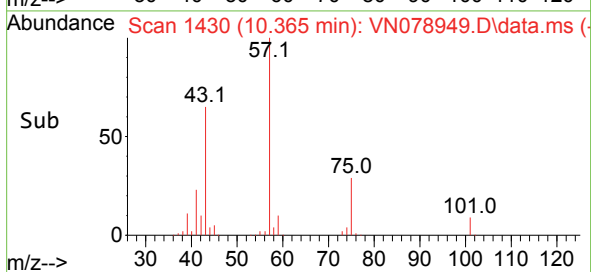
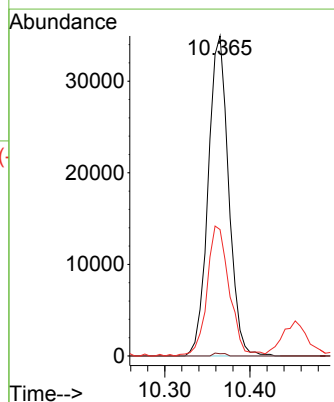
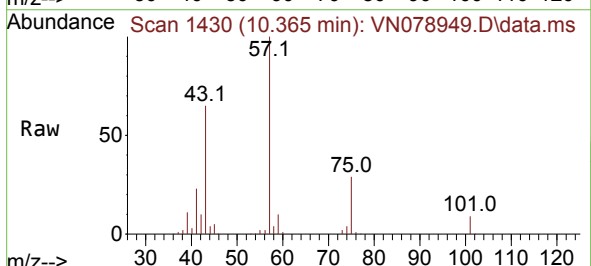
Instrument :
 MSVOA_N
 ClientSampleId :

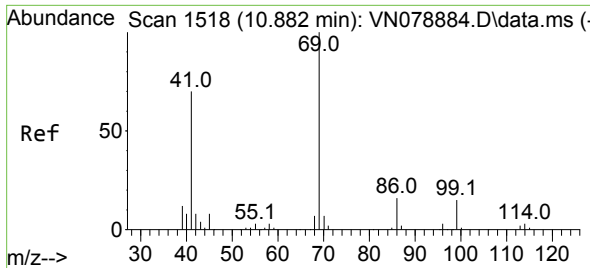
Tgt Ion: 75 Resp: 1081
 Ion Ratio Lower Upper
 75 100
 77 73.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.378 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078949.D
 Acq: 18 Aug 2023 18:00

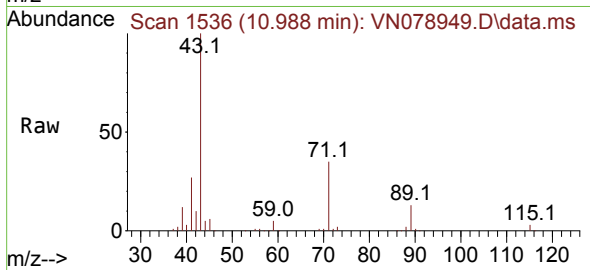
Tgt Ion: 75 Resp: 58190
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 39.0 31.6 47.4



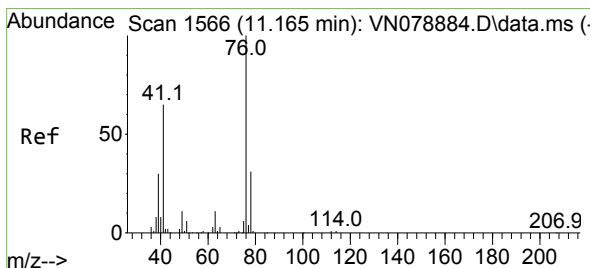
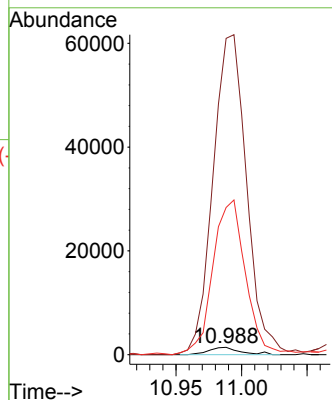
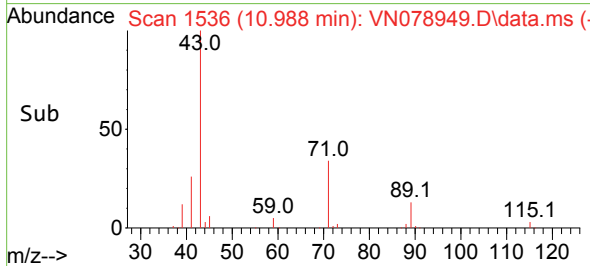


#56
Ethyl methacrylate
Concen: 0.730 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

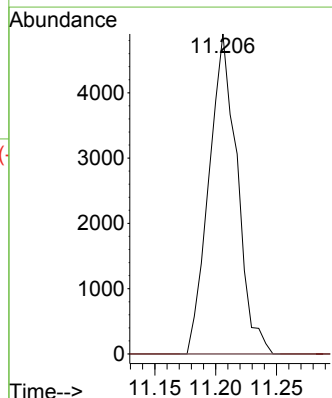
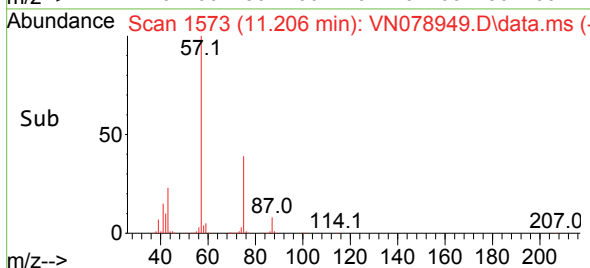
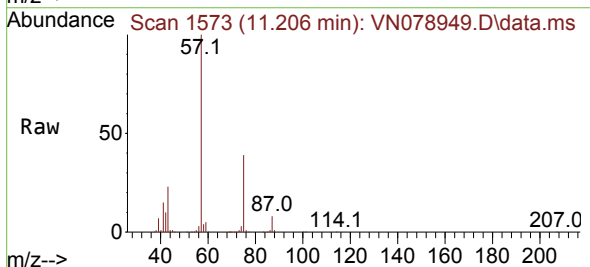


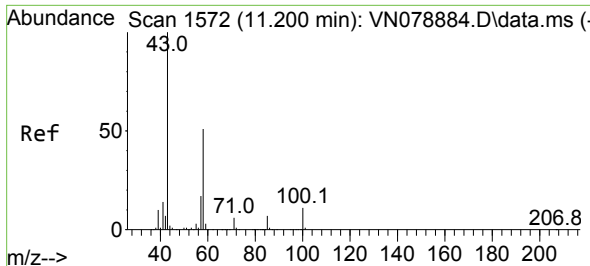
Tgt Ion: 69 Resp: 2351
Ion Ratio Lower Upper
69 100
41 4678.2 39.6 59.4#
39 2212.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 2.124 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Tgt Ion: 76 Resp: 7891
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

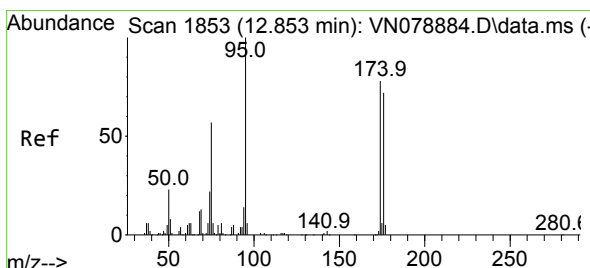
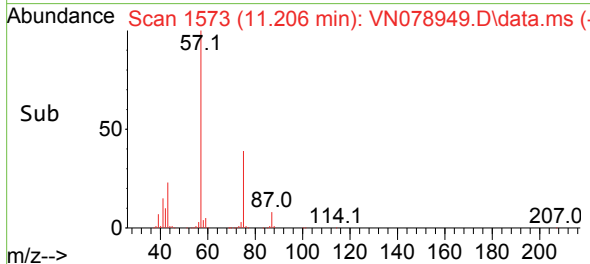
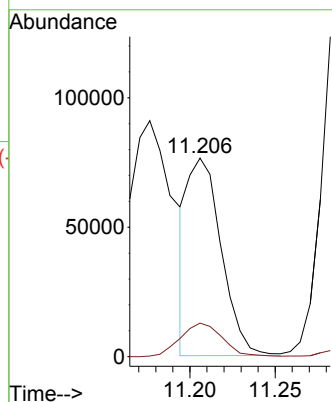
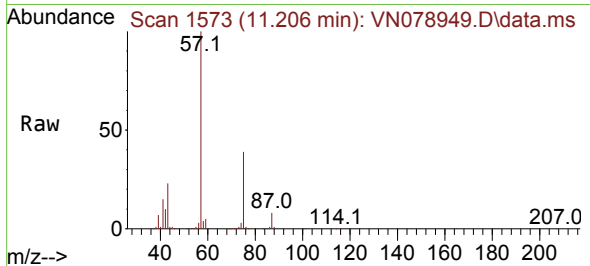




#59
2-Hexanone
Concen: 43.353 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

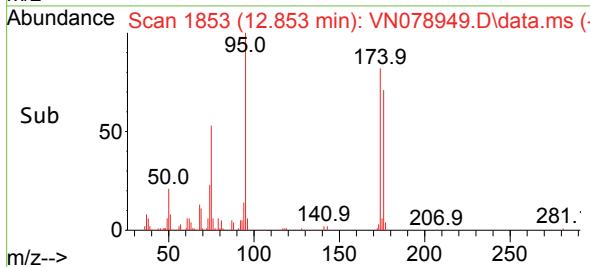
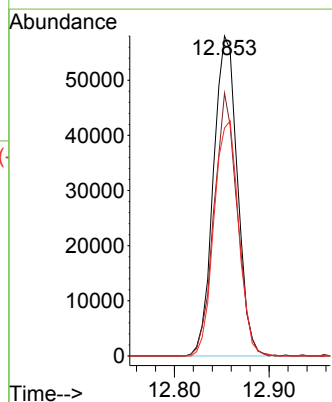
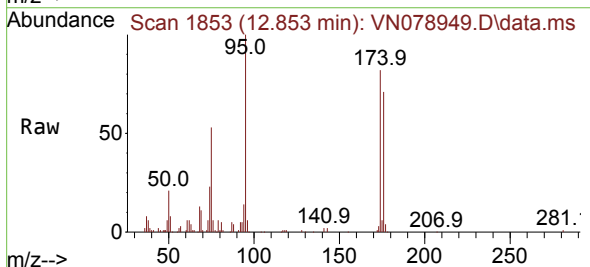
Instrument :
MSVOA_N
ClientSampleId :

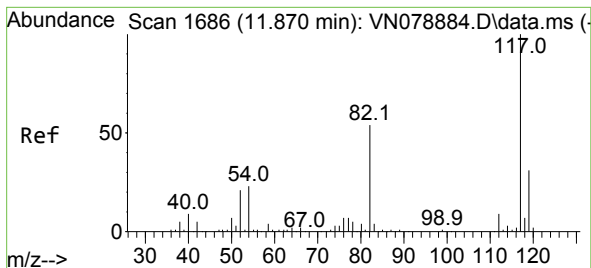
Tgt Ion: 43 Resp: 105113
Ion Ratio Lower Upper
43 100
58 21.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.294 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

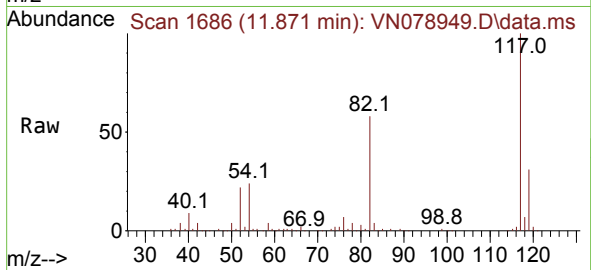
Tgt Ion: 95 Resp: 101994
Ion Ratio Lower Upper
95 100
174 79.9 0.0 143.8
176 75.6 0.0 135.8



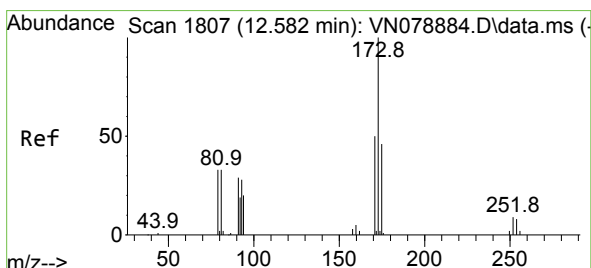
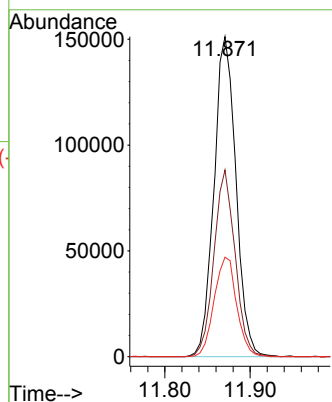
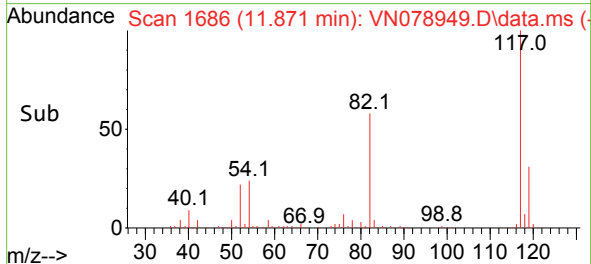


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

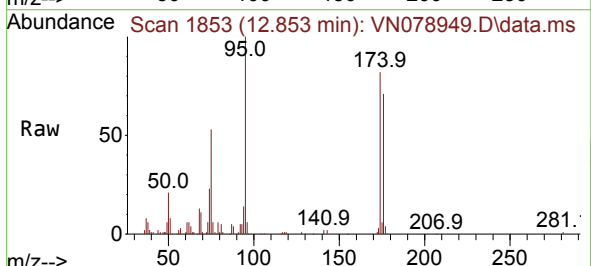
Instrument :
MSVOA_N
ClientSampleId :



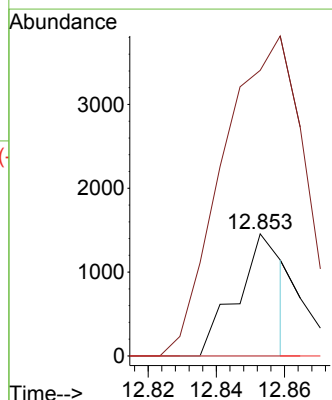
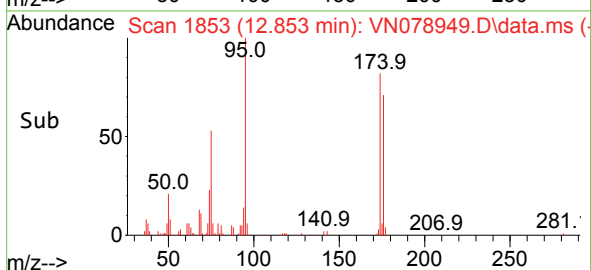
Tgt Ion:117 Resp: 271044
Ion Ratio Lower Upper
117 100
82 58.4 44.0 66.0
119 31.1 25.6 38.4

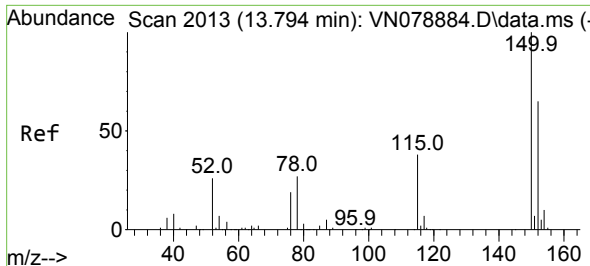


#71
Bromoform
Concen: 0.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00



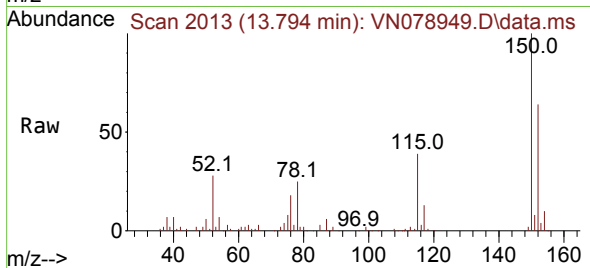
Tgt Ion:173 Resp: 1355
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



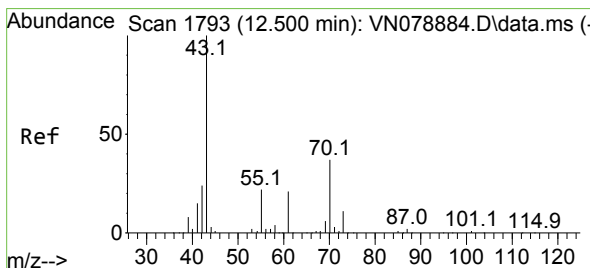
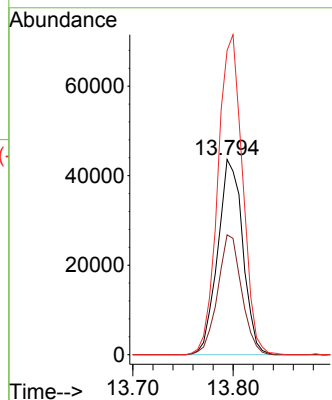
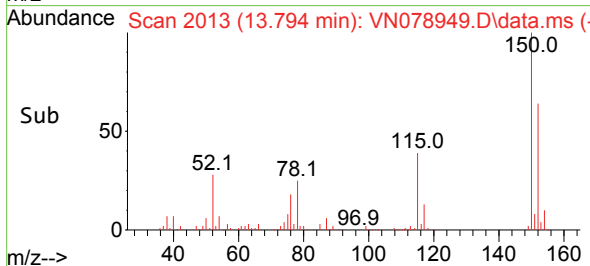


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078949.D
 Acq: 18 Aug 2023 18:00

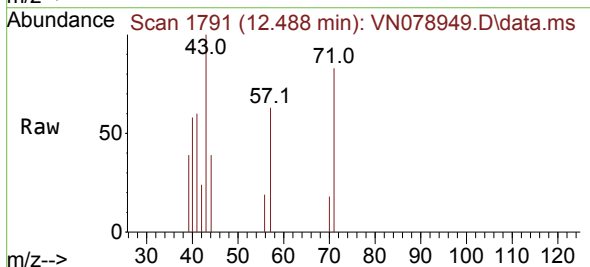
Instrument :
 MSVOA_N
 ClientSampleId :



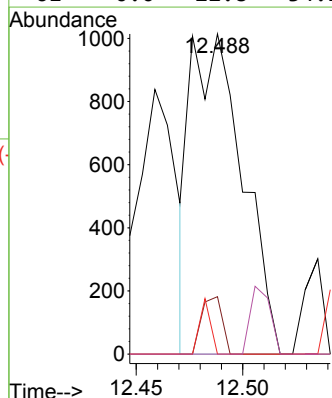
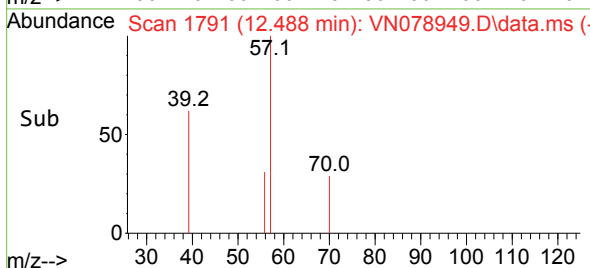
Tgt Ion:152 Resp: 75509
 Ion Ratio Lower Upper
 152 100
 115 59.1 32.3 96.8
 150 161.4 0.0 355.8

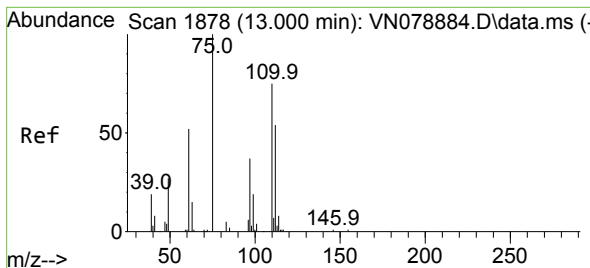


#74
 N-ethyl acetate
 Concen: 0.540 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN078949.D
 Acq: 18 Aug 2023 18:00



Tgt Ion: 43 Resp: 1717
 Ion Ratio Lower Upper
 43 100
 70 7.1 43.4 65.2#
 55 3.6 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 30.664 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

Instrument :

MSVOA_N

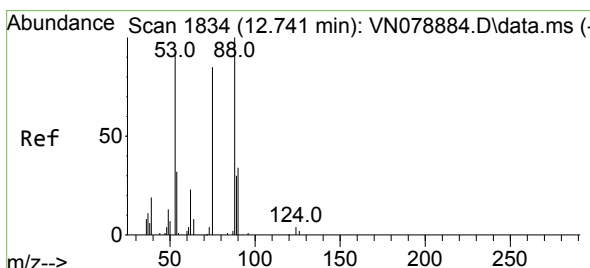
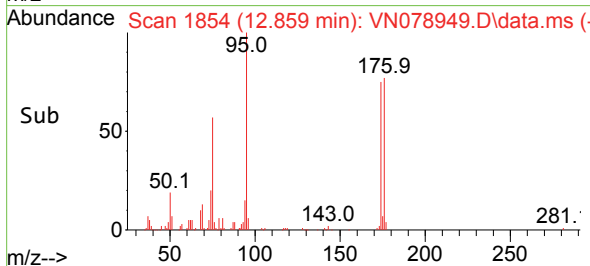
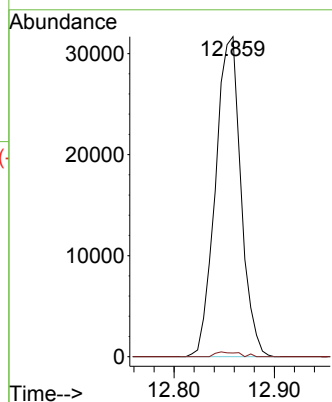
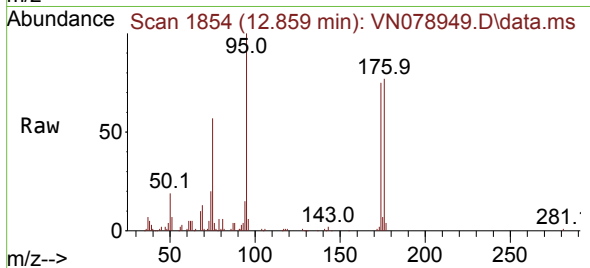
ClientSampleId :

Tgt Ion: 75 Resp: 55791

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.335 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078949.D

Acq: 18 Aug 2023 18:00

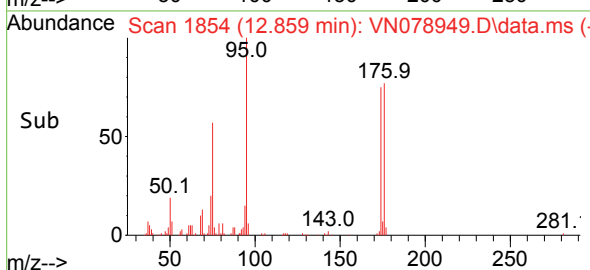
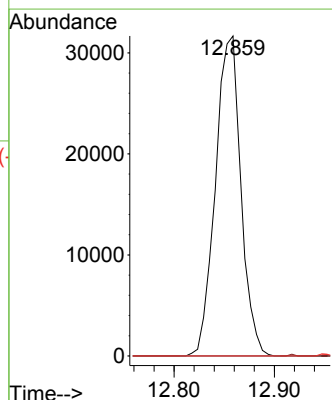
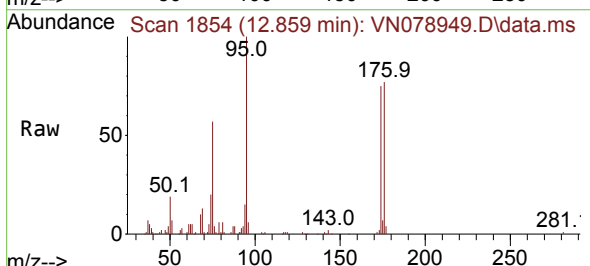
Tgt Ion: 75 Resp: 55791

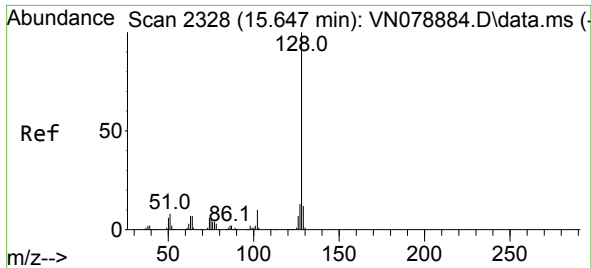
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

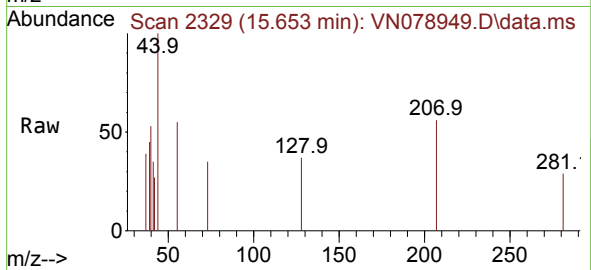
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.595 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078949.D
Acq: 18 Aug 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 74
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

