

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079948.D
 Acq On : 07 Nov 2023 06:05
 Operator : JC\MD
 Sample : 05257-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

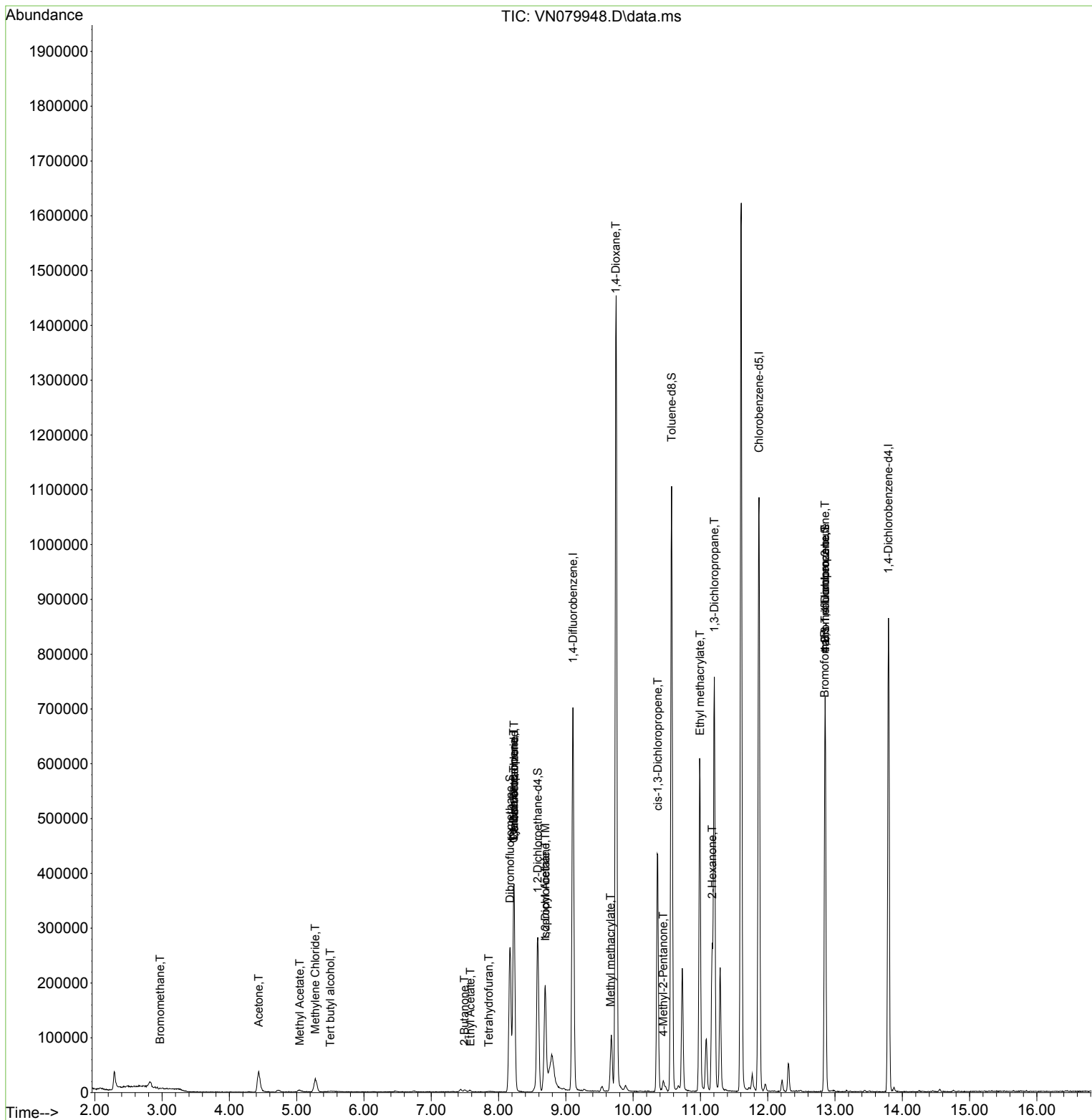
Instrument :
 MSVOA_N
 ClientSampleId :

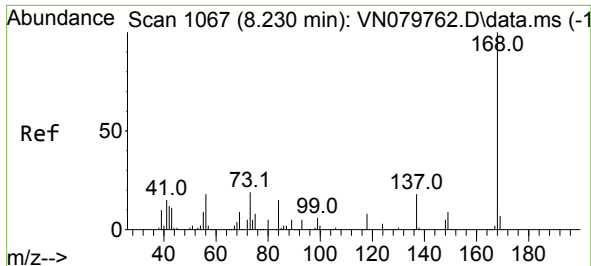
Quant Time: Nov 07 06:55:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	266751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	570637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	610922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	234754	57.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.520%
35) Dibromofluoromethane	8.171	113	190116	47.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.140%
50) Toluene-d8	10.571	98	720360	48.450	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.853	95	242372	49.153	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1200	Below Cal	#	87
5) Bromomethane	2.971	94	547	0.214	ug/l	90
11) Tert butyl alcohol	5.500	59	597	1.151	ug/l #	72
16) Acetone	4.436	43	71132	49.829	ug/l	97
18) Methyl Acetate	5.048	43	8025	1.175	ug/l #	69
20) Methylene Chloride	5.277	84	16682	4.631	ug/l #	79
25) 2-Butanone	7.494	43	6706	3.208	ug/l #	80
29) Tetrahydrofuran	7.853	42	700	0.515	ug/l #	27
31) Cyclohexane	8.224	56	6774	1.261	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	23778	4.123	ug/l #	49
37) Ethyl Acetate	7.583	43	4912	0.929	ug/l #	74
38) Carbon Tetrachloride	8.230	117	28955	4.982	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1226	0.203	ug/l #	73
43) Isopropyl Acetate	8.694	43	228739	24.662	ug/l #	77
48) Methyl methacrylate	9.665	41	6956	1.712	ug/l #	29
49) 1,4-Dioxane	9.741	88	67	0.933	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18502	3.543	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	72563	10.565	ug/l #	73
56) Ethyl methacrylate	10.994	69	4022	0.685	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7647	1.053	ug/l #	43
59) 2-Hexanone	11.177	43	214514	53.702	ug/l #	19
71) Bromoform	12.847	173	1352	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	131821	25.237	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	131821	68.664	ug/l #	15

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

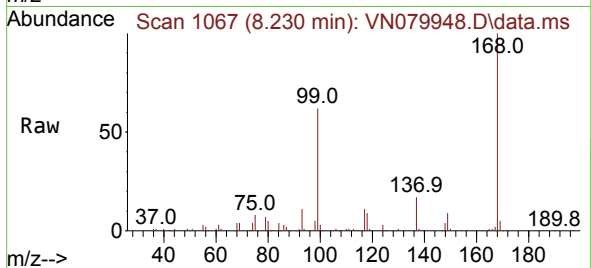
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



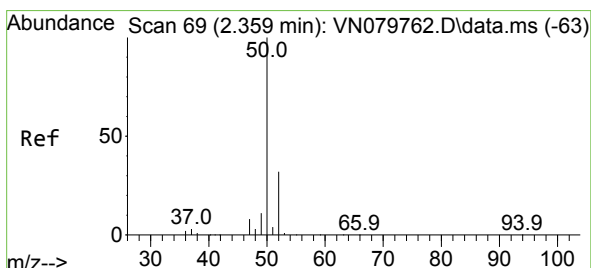
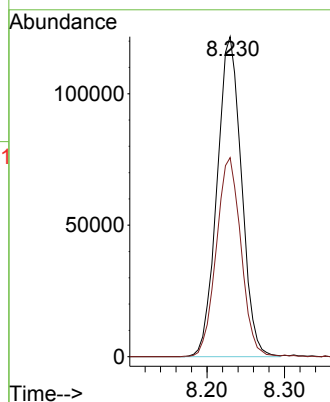
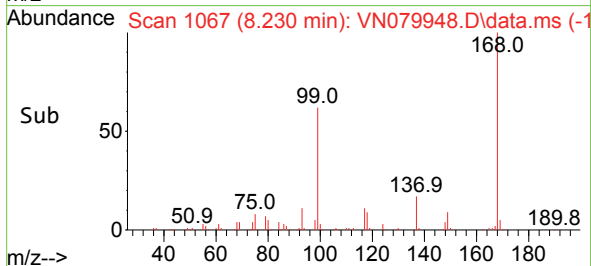


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Instrument :
MSVOA_N
ClientSampleId :

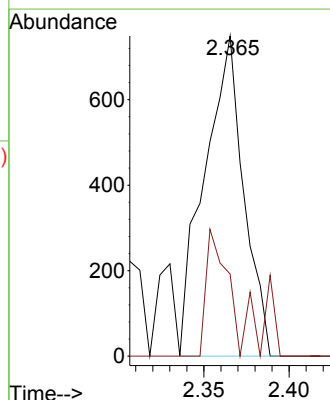
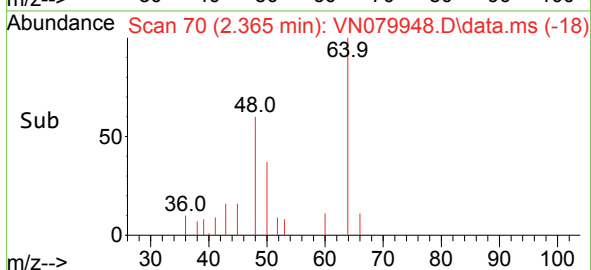
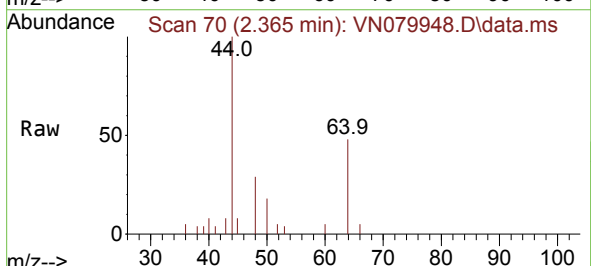


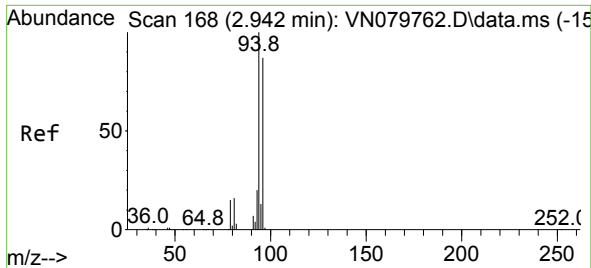
Tgt Ion:168 Resp: 266751
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 50 Resp: 1200
Ion Ratio Lower Upper
50 100
52 25.6 26.5 39.7#

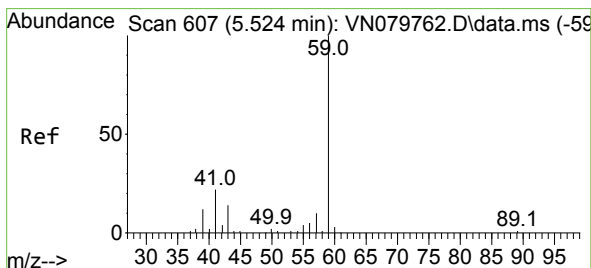
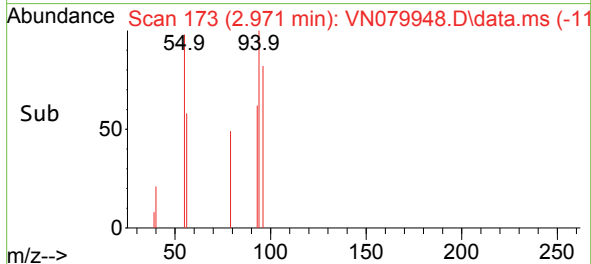
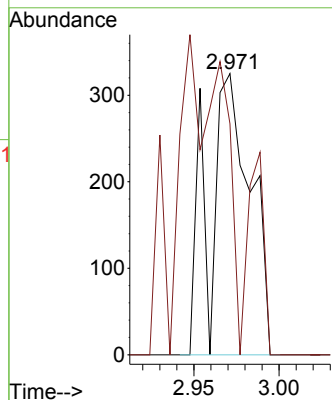
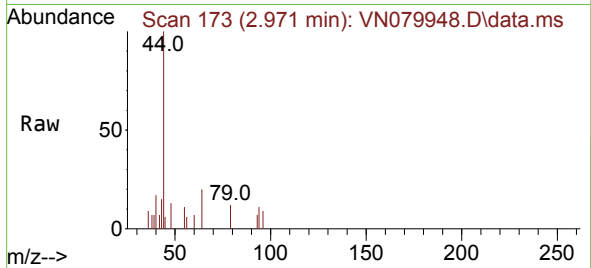




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

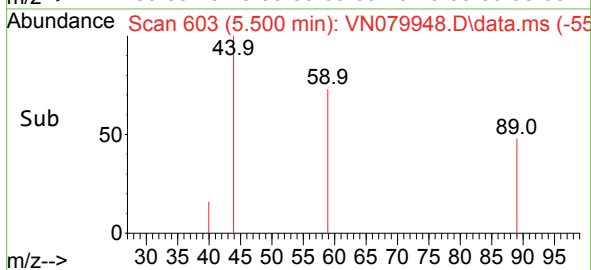
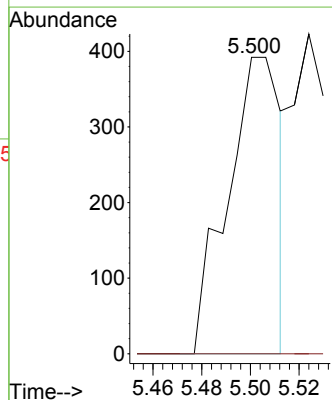
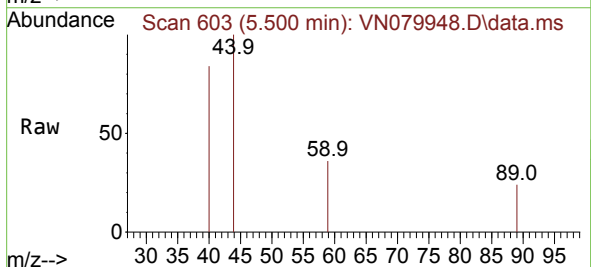
Instrument :
MSVOA_N
ClientSampleId :

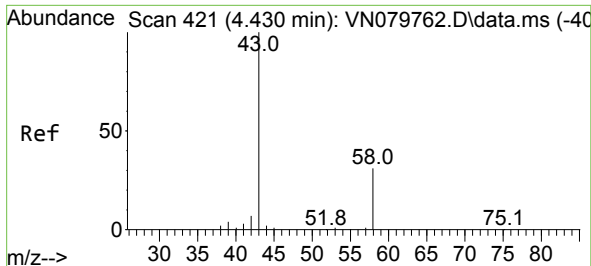
Tgt Ion: 94 Resp: 547
Ion Ratio Lower Upper
94 100
96 82.2 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.151 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.017 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

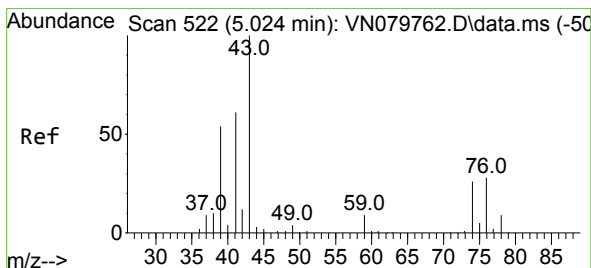
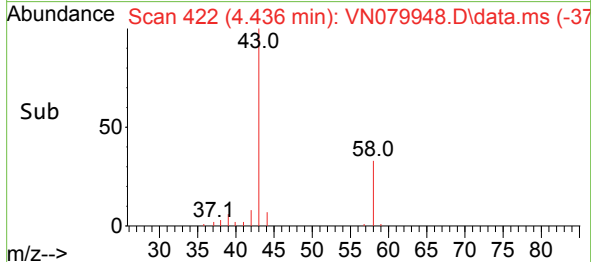
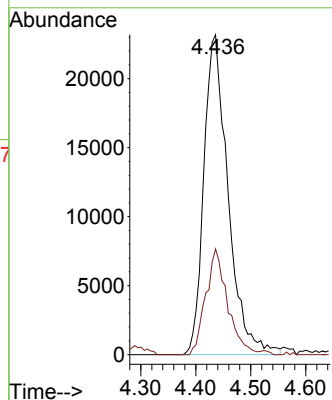
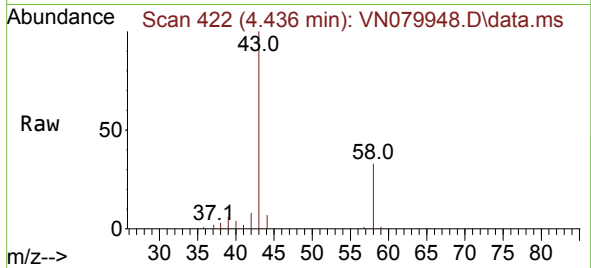




#16
Acetone
Concen: 49.829 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

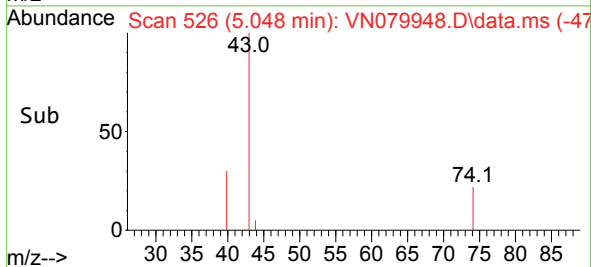
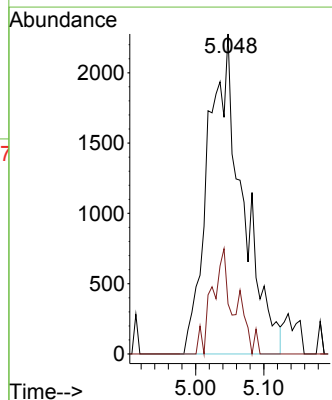
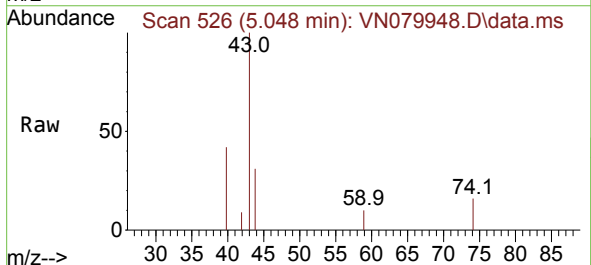
Instrument :
MSVOA_N
ClientSampleId :

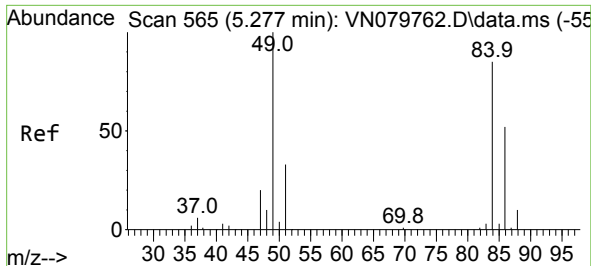
Tgt Ion: 43 Resp: 71132
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0



#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

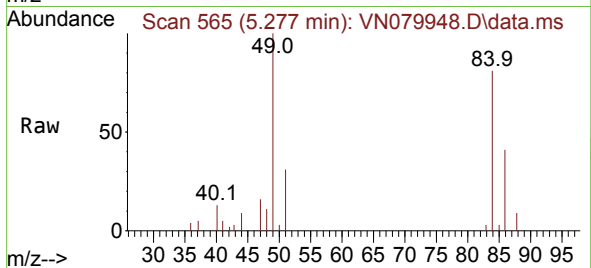
Tgt Ion: 43 Resp: 8025
Ion Ratio Lower Upper
43 100
74 15.4 26.2 39.4#





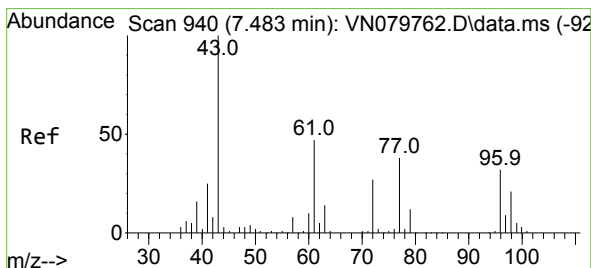
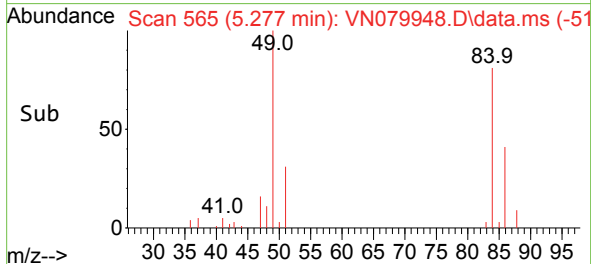
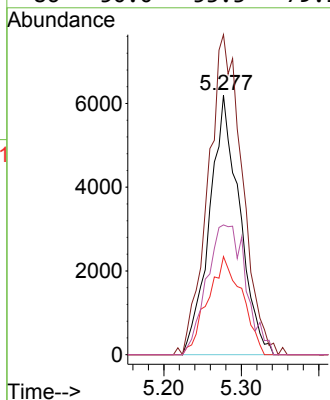
#20
Methylene Chloride
Concen: 4.631 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 16682

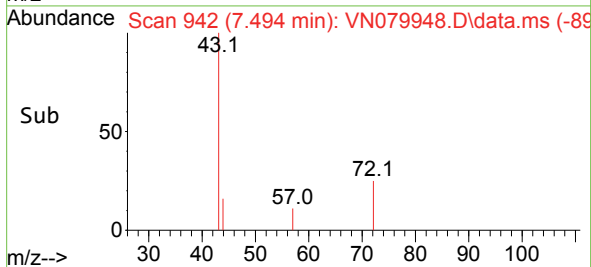
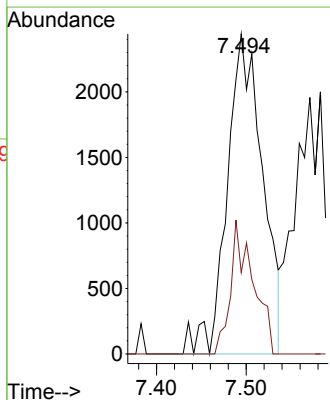
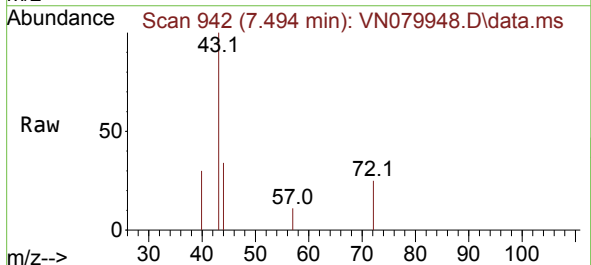
Ion	Ratio	Lower	Upper
84	100		
49	123.4	79.7	119.5#
51	37.8	25.2	37.8#
86	50.0	53.3	79.9#

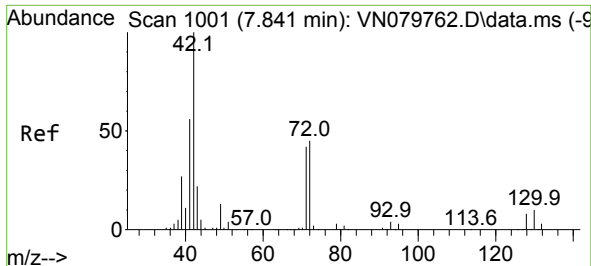


#25
2-Butanone
Concen: 3.208 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 43 Resp: 6706

Ion	Ratio	Lower	Upper
43	100		
72	25.5	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

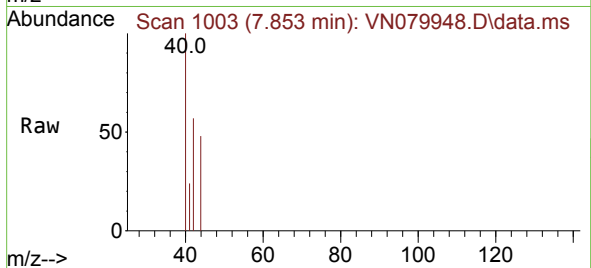
Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

Instrument :

MSVOA_N

ClientSampleId :



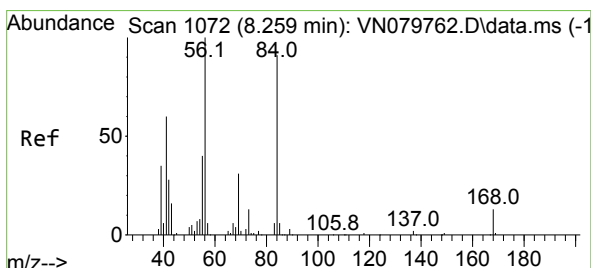
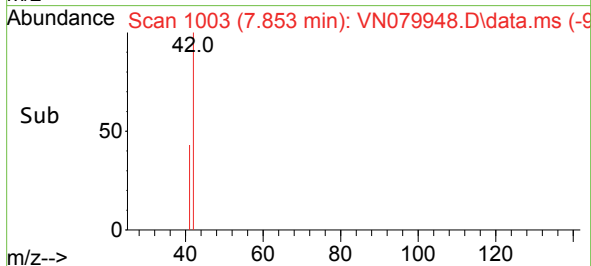
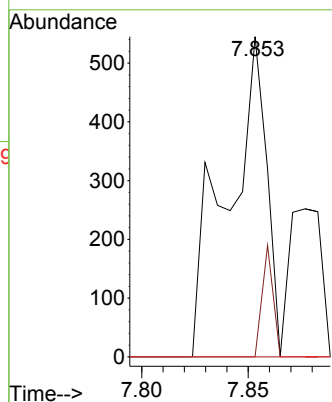
Tgt Ion: 42 Resp: 700

Ion Ratio Lower Upper

42 100

72 9.6 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

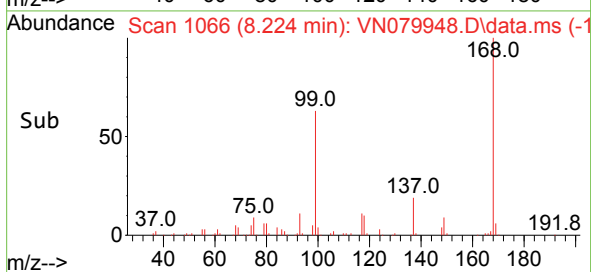
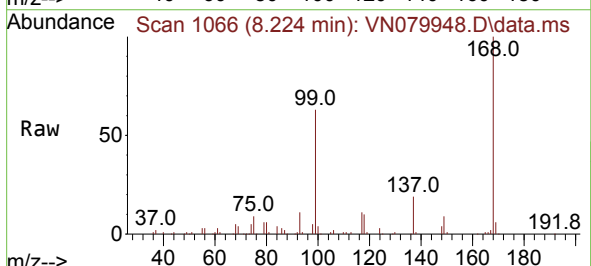
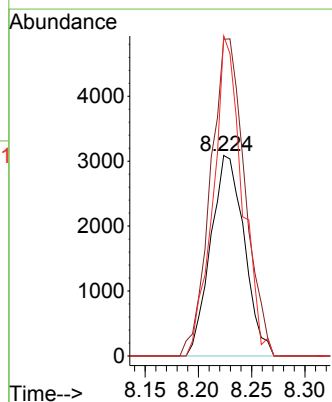
Tgt Ion: 56 Resp: 6774

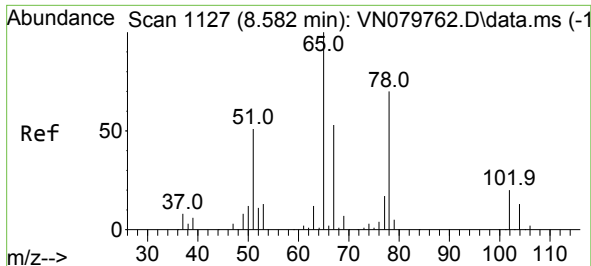
Ion Ratio Lower Upper

56 100

69 157.9 26.8 40.2#

84 159.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.764 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

Instrument :

MSVOA_N

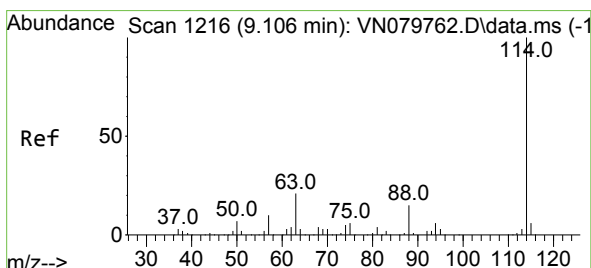
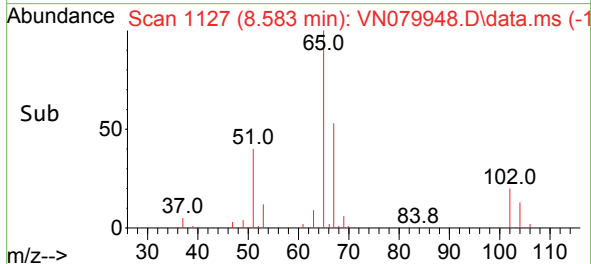
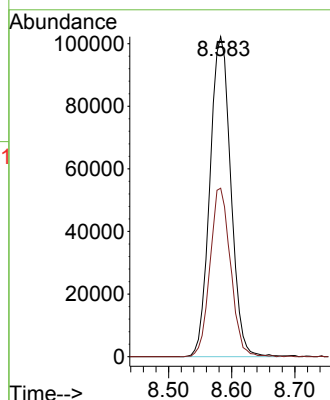
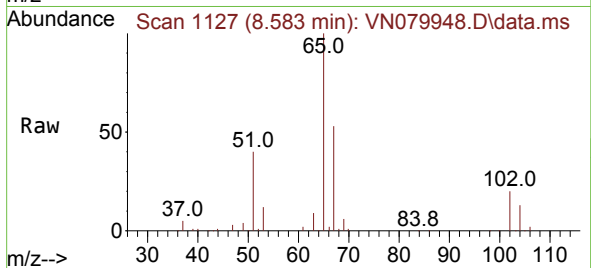
ClientSampleId :

Tgt Ion: 65 Resp: 234754

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079948.D

Acq: 07 Nov 2023 06:05

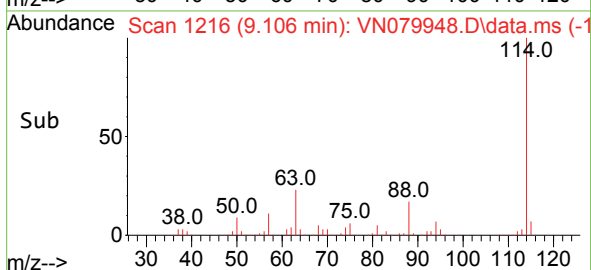
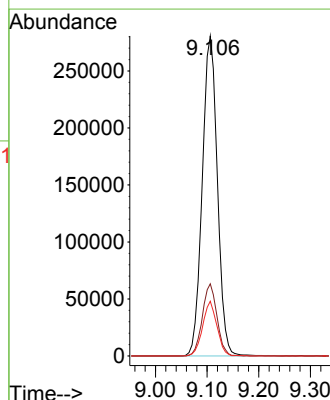
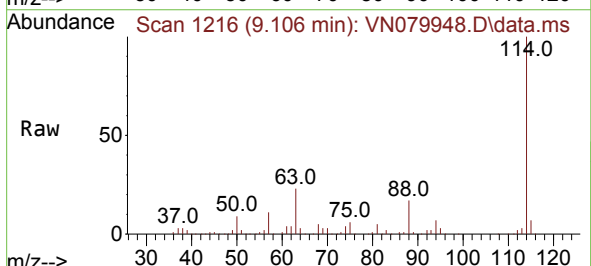
Tgt Ion: 114 Resp: 570637

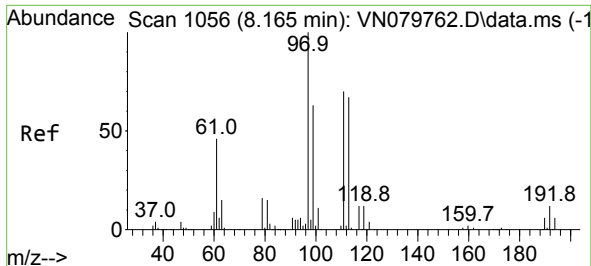
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.073 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

Instrument :

MSVOA_N

ClientSampleId :

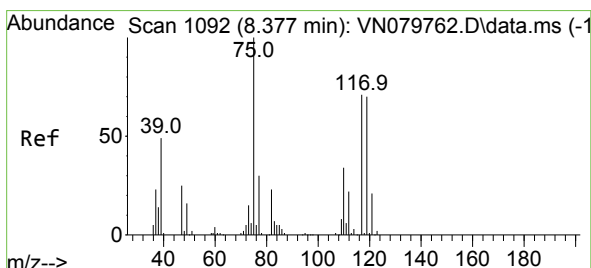
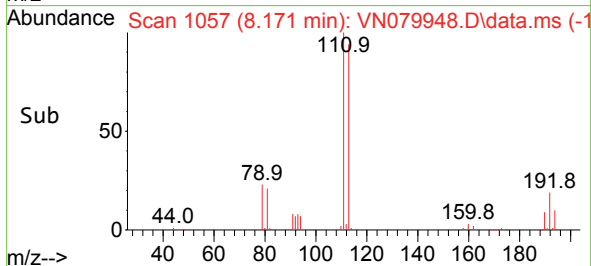
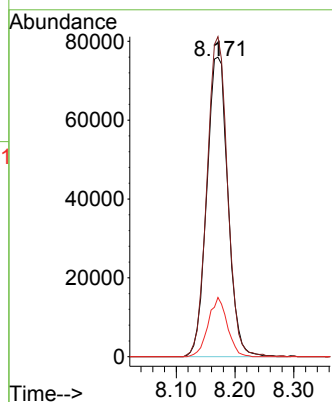
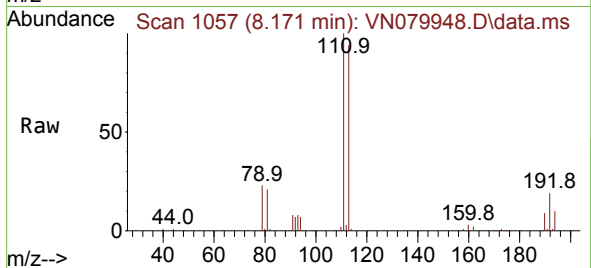
Tgt Ion:113 Resp: 190116

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.123 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

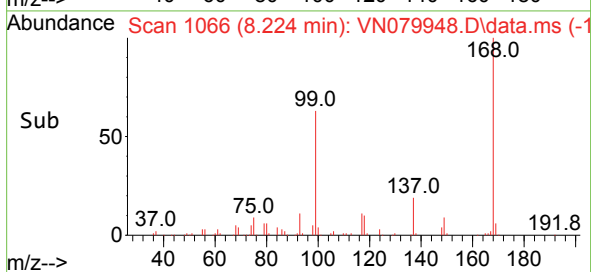
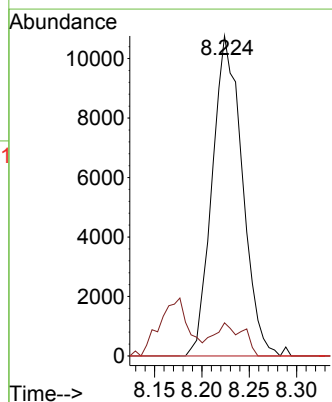
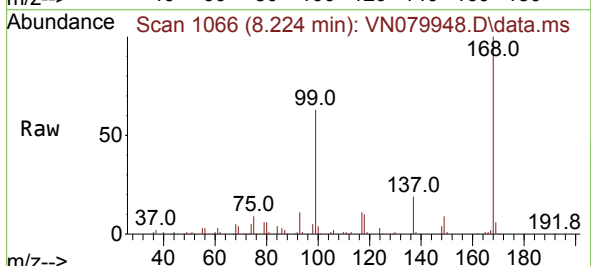
Tgt Ion: 75 Resp: 23778

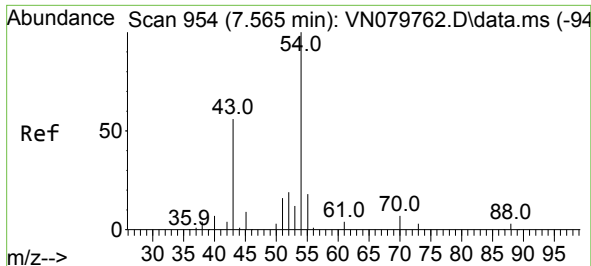
Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

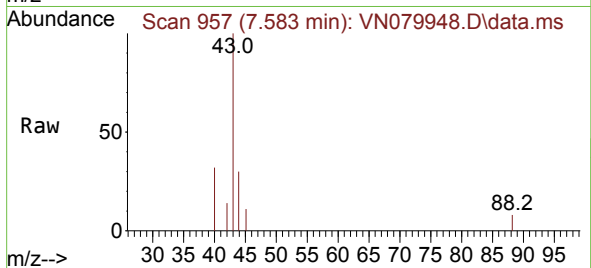
77 0.0 25.0 37.4#



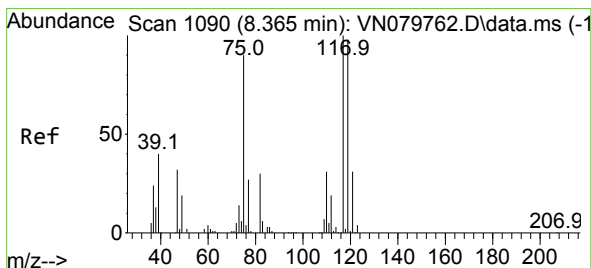
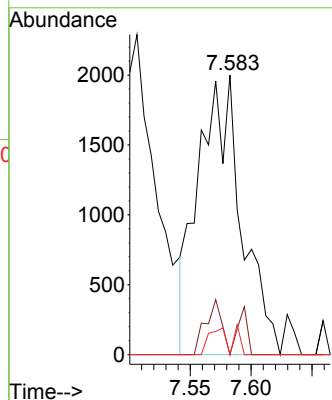
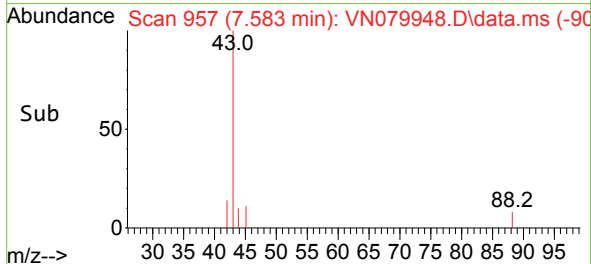


#37
Ethyl Acetate
Concen: 0.929 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Instrument :
MSVOA_N
ClientSampleId :

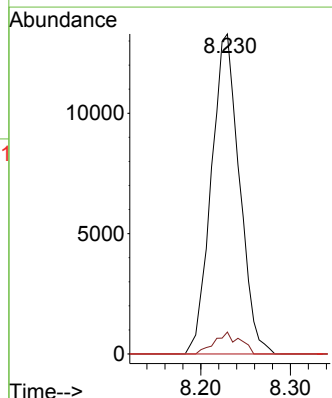
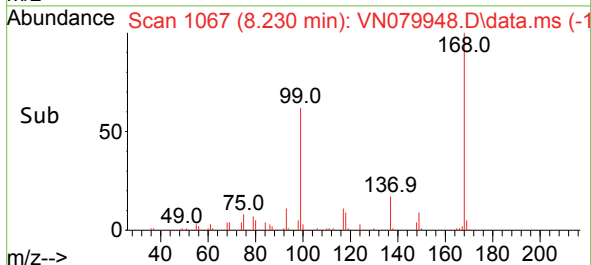
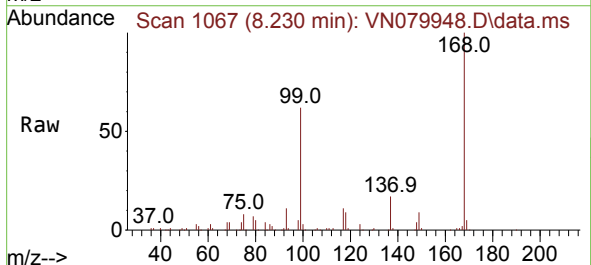


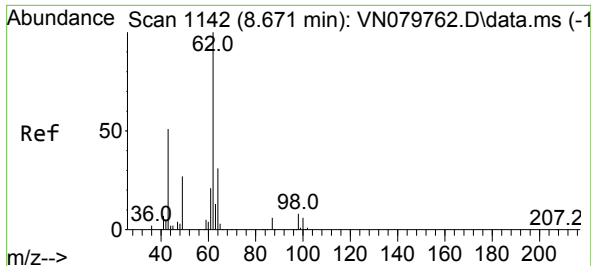
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
61 3.8 13.2 19.8#
70 5.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.982 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 117 Resp: 28955
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

Instrument :

MSVOA_N

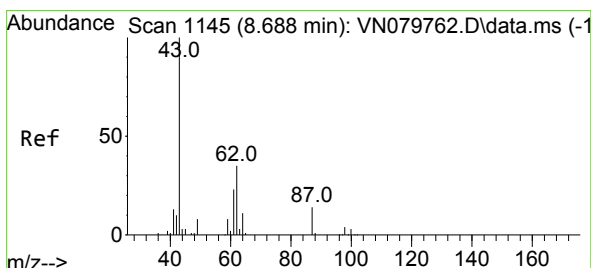
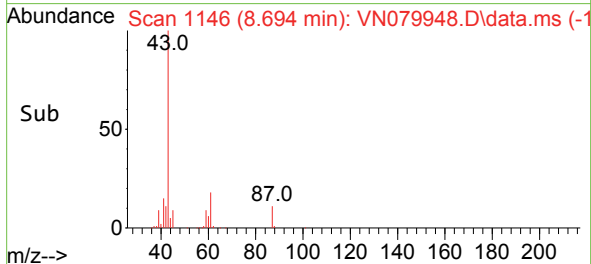
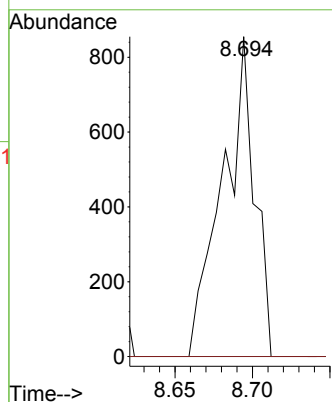
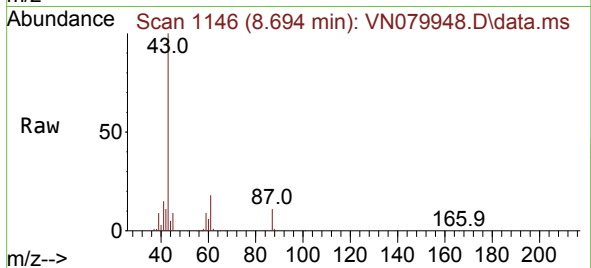
ClientSampleId :

Tgt Ion: 62 Resp: 1226

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.662 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

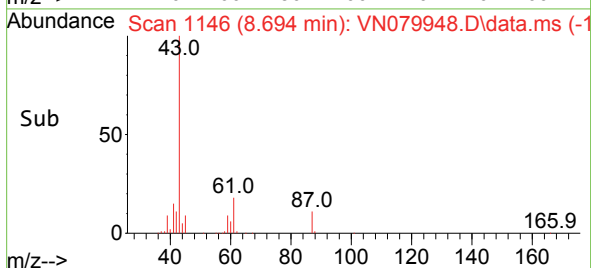
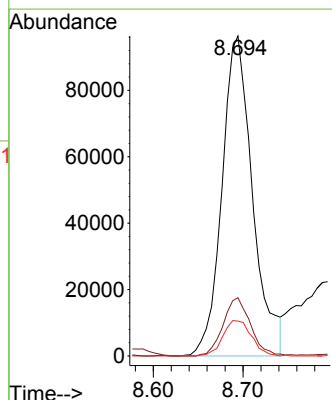
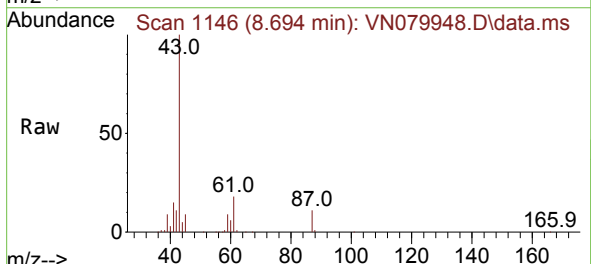
Tgt Ion: 43 Resp: 228739

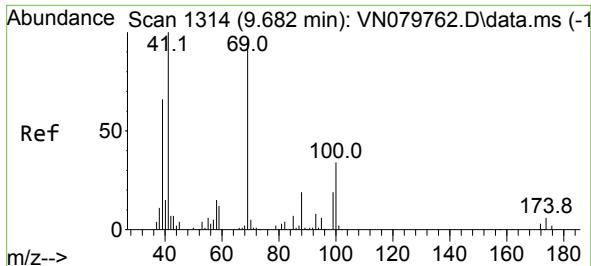
Ion Ratio Lower Upper

43 100

61 16.4 24.7 37.1#

87 10.4 14.6 21.8#

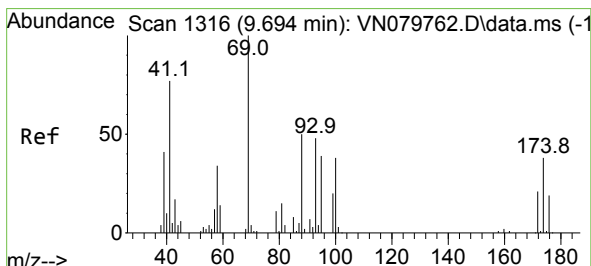
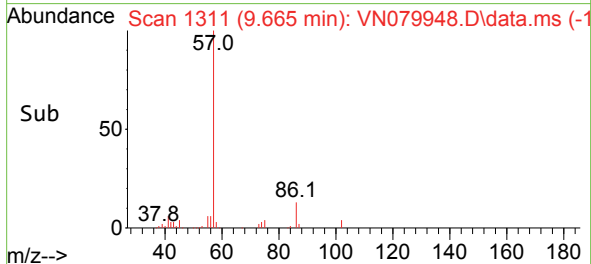
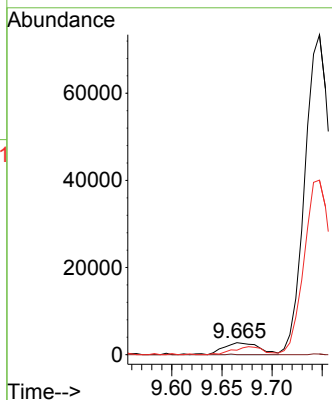
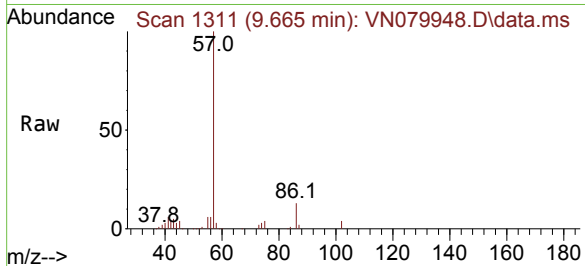




#48
Methyl methacrylate
Concen: 1.712 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

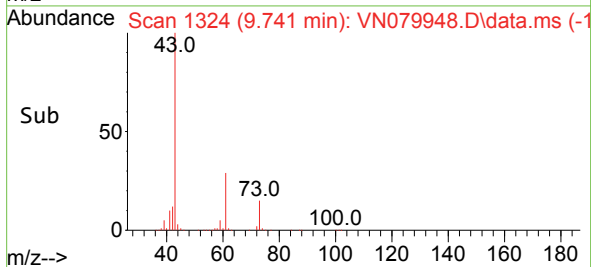
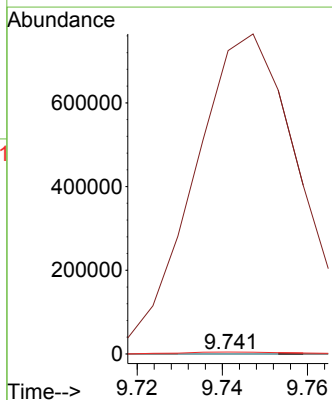
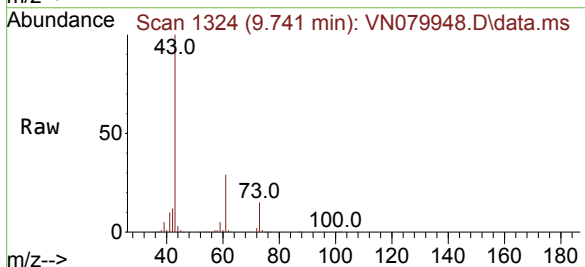
Instrument :
MSVOA_N
ClientSampleId :

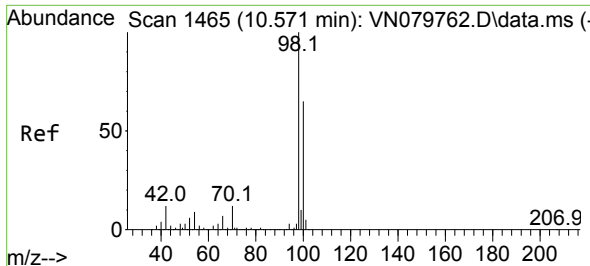
Tgt Ion: 41 Resp: 6956
Ion Ratio Lower Upper
41 100
69 0.8 90.4 135.6#
39 56.1 54.6 81.8



#49
1,4-Dioxane
Concen: 0.933 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 2028131.3 17.0 25.6#
58 13355.2 47.0 70.4#

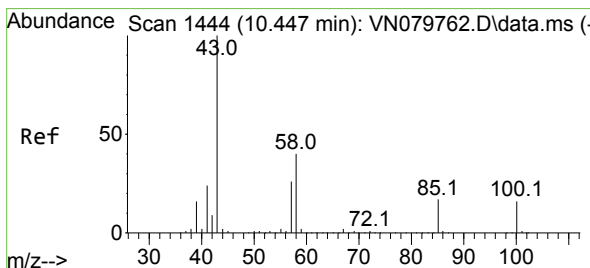
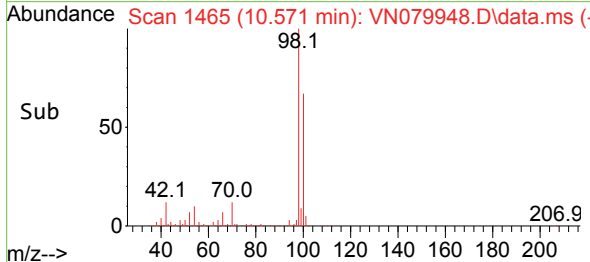
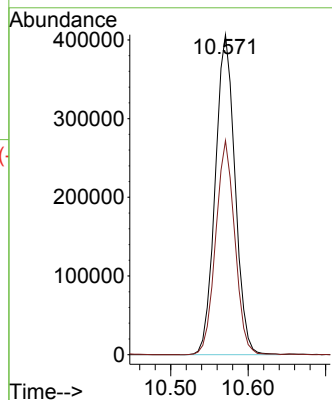
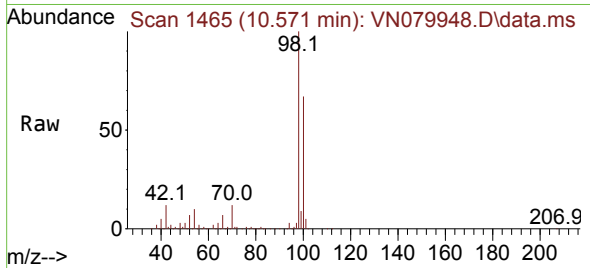




#50
Toluene-d8
Concen: 48.450 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

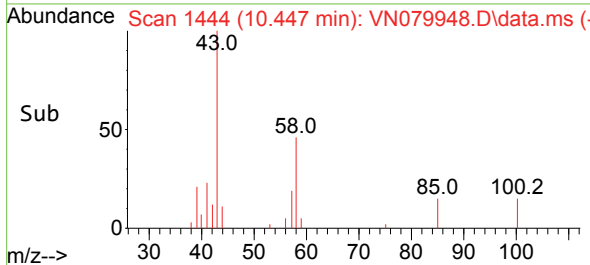
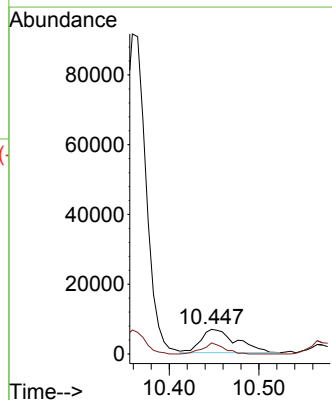
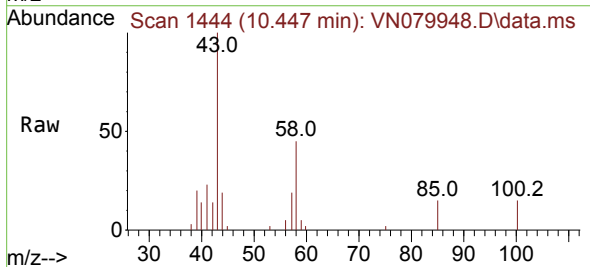
Instrument :
MSVOA_N
ClientSampleId :

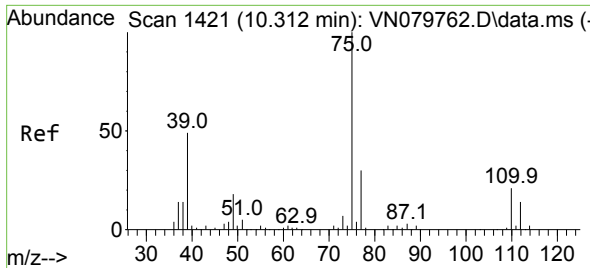
Tgt Ion: 98 Resp: 720360
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.543 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 43 Resp: 18502
Ion Ratio Lower Upper
43 100
58 28.3 36.6 54.8#

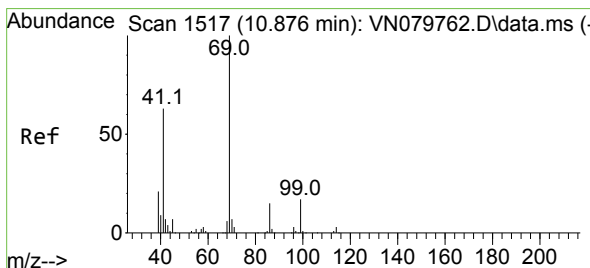
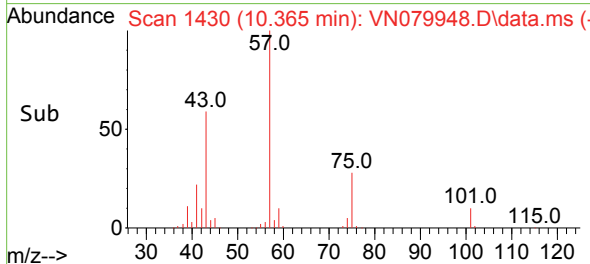
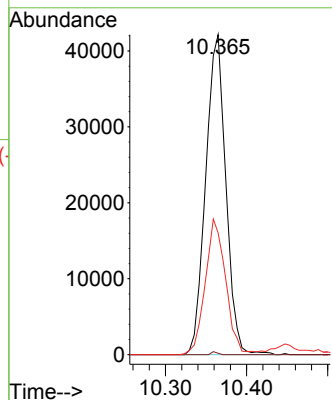
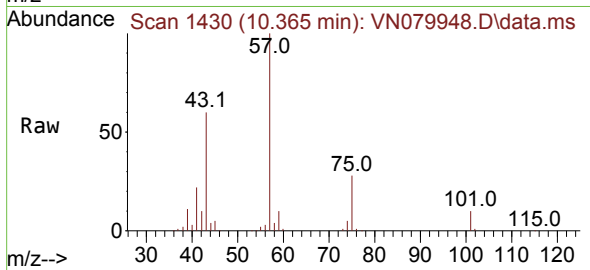




#54
 cis-1,3-Dichloropropene
 Concen: 10.565 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN079948.D
 Acq: 07 Nov 2023 06:05

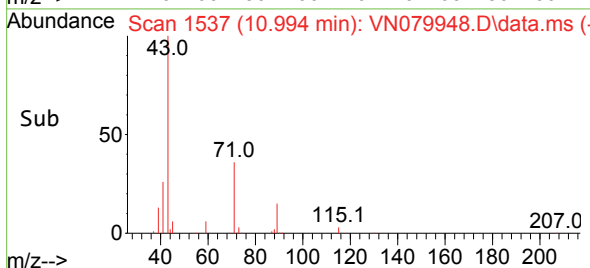
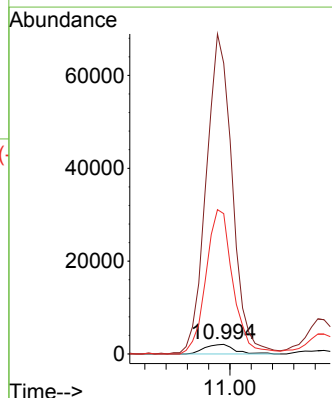
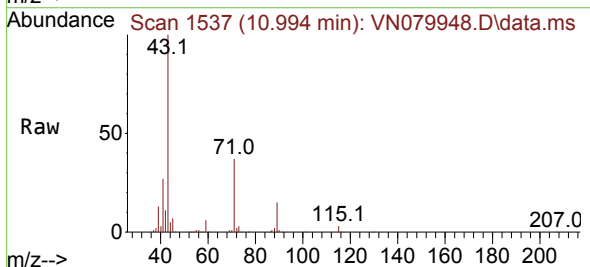
Instrument :
 MSVOA_N
 ClientSampleId :

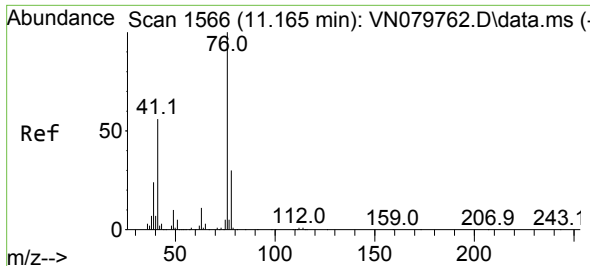
Tgt Ion: 75 Resp: 72563
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 38.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.685 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN079948.D
 Acq: 07 Nov 2023 06:05

Tgt Ion: 69 Resp: 4022
 Ion Ratio Lower Upper
 69 100
 41 2923.8 39.6 59.4#
 39 1362.1 28.6 43.0#

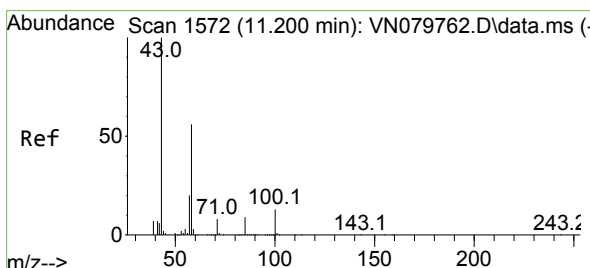
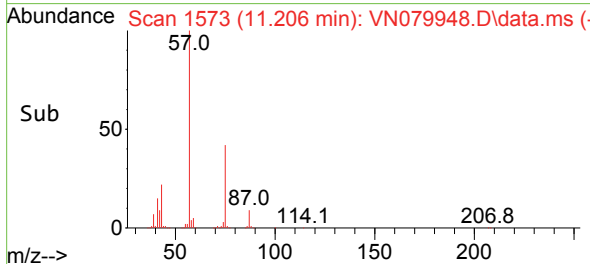
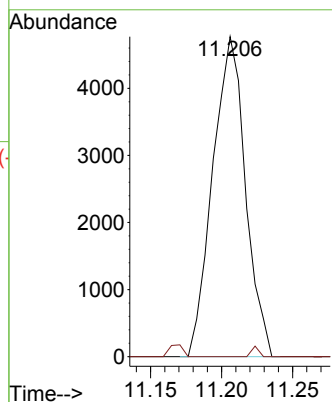
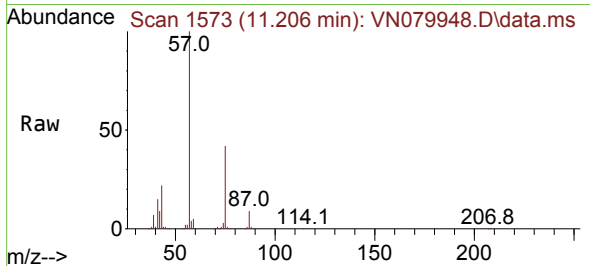




#57
1,3-Dichloropropane
Concen: 1.053 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

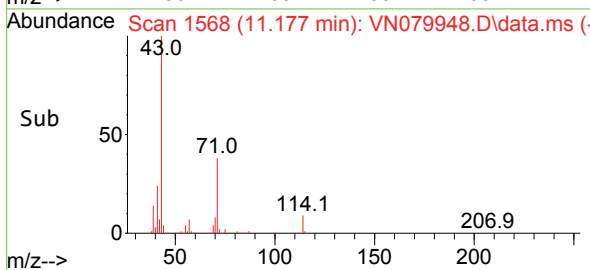
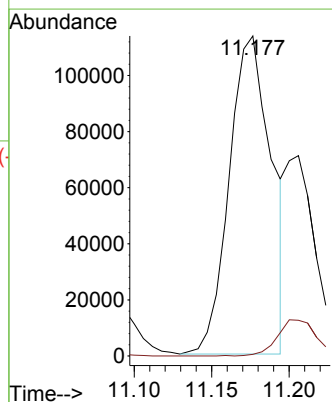
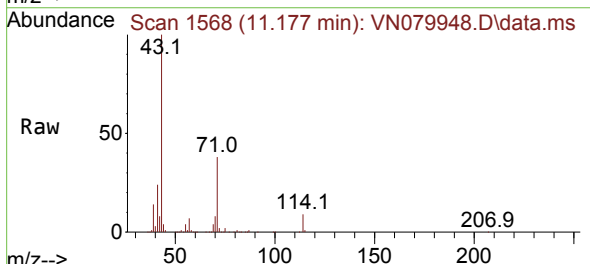
Instrument :
MSVOA_N
ClientSampleId :

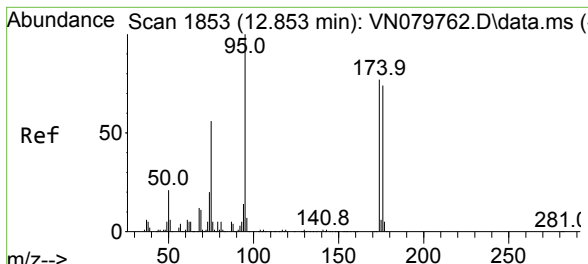
Tgt Ion: 76 Resp: 7647
Ion Ratio Lower Upper
76 100
78 0.7 26.1 39.1#



#59
2-Hexanone
Concen: 53.702 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

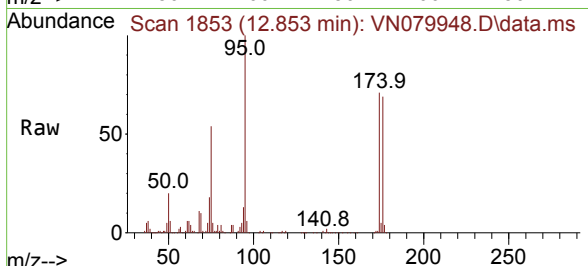
Tgt Ion: 43 Resp: 214514
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



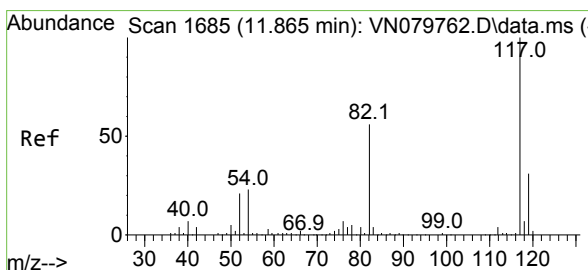
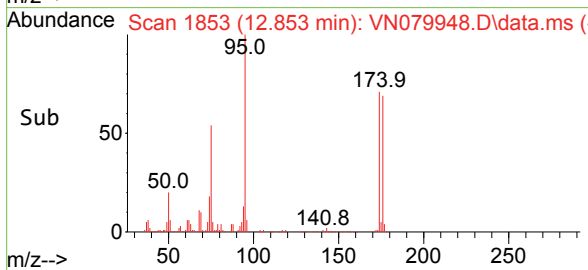
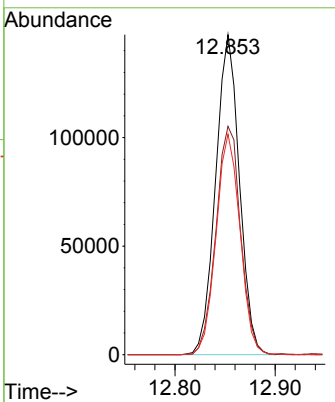


#62
 4-Bromofluorobenzene
 Concen: 49.153 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079948.D
 Acq: 07 Nov 2023 06:05

Instrument :
 MSVOA_N
 ClientSampleId :

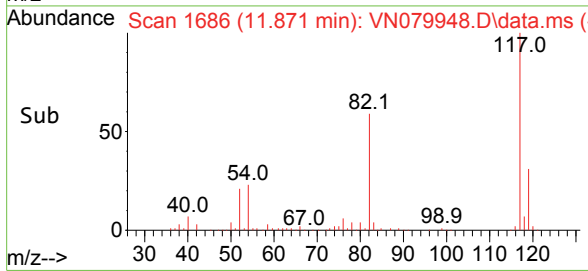
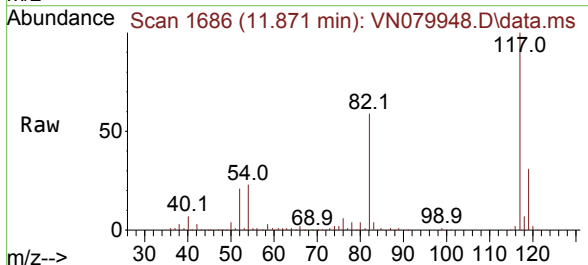
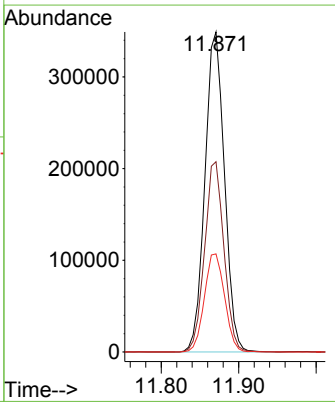


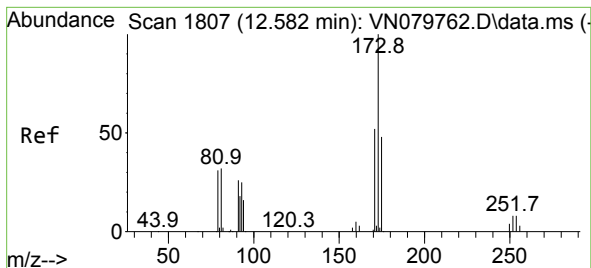
Tgt Ion:	95	Resp:	242372
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	143.8
176	69.4	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079948.D
 Acq: 07 Nov 2023 06:05

Tgt Ion:	117	Resp:	610922
Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.0	66.0
119	30.6	25.6	38.4





#71

Bromoform

Concen: 0.399 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

Instrument :

MSVOA_N

ClientSampleId :

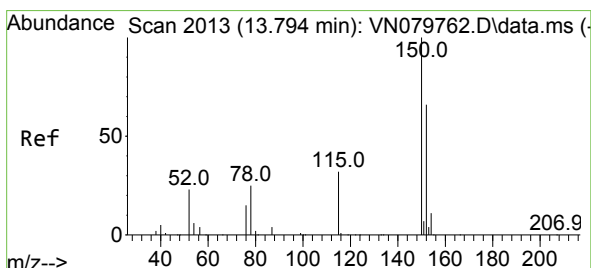
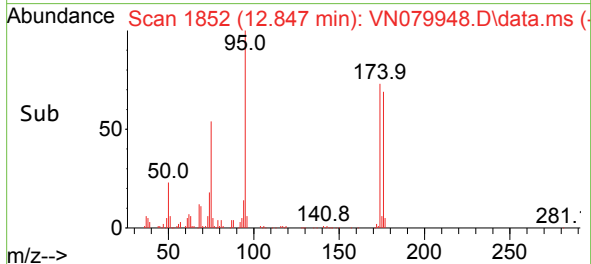
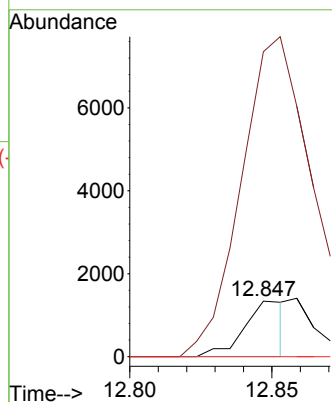
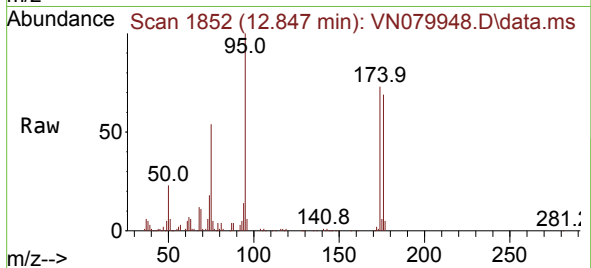
Tgt Ion:173 Resp: 1352

Ion Ratio Lower Upper

173 100

175 785.1 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# 2013

Delta R.T. 0.000 min

Lab File: VN079948.D

Acq: 07 Nov 2023 06:05

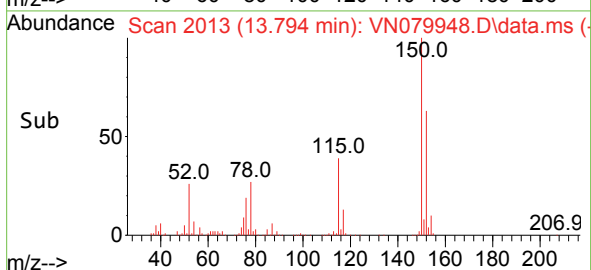
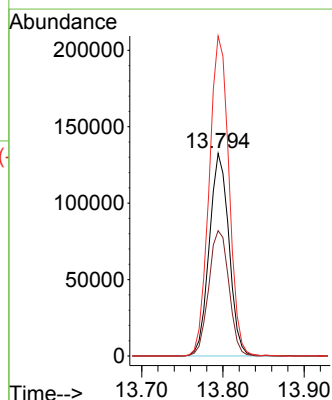
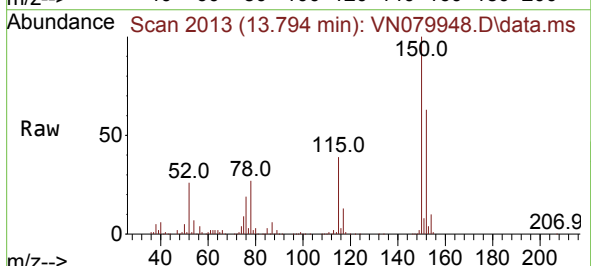
Tgt Ion:152 Resp: 222487

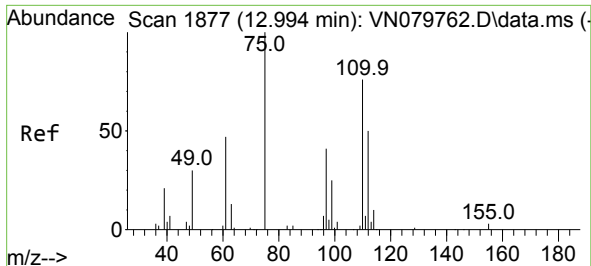
Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 159.4 0.0 355.8

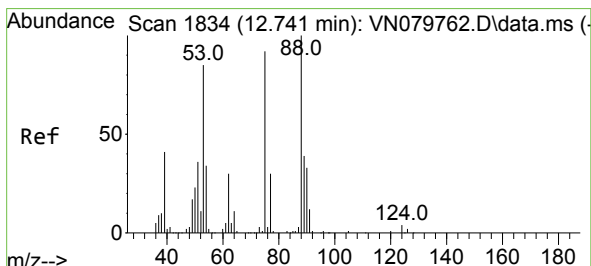
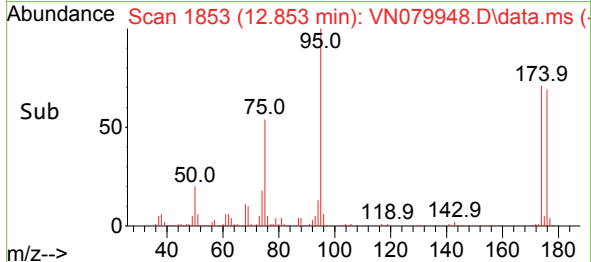
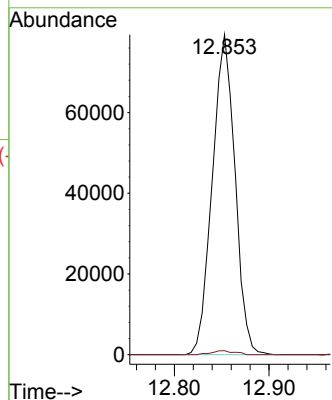
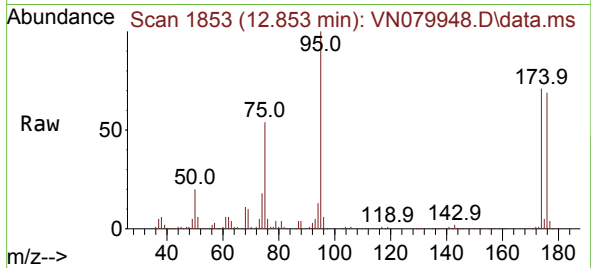




#76
1,2,3-Trichloropropane
Concen: 25.237 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 131821
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.664 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079948.D
Acq: 07 Nov 2023 06:05

Tgt Ion: 75 Resp: 131821
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

