

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079474.D
 Acq On : 09 Oct 2023 16:00
 Operator : JC\MD
 Sample : 04740-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:16:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

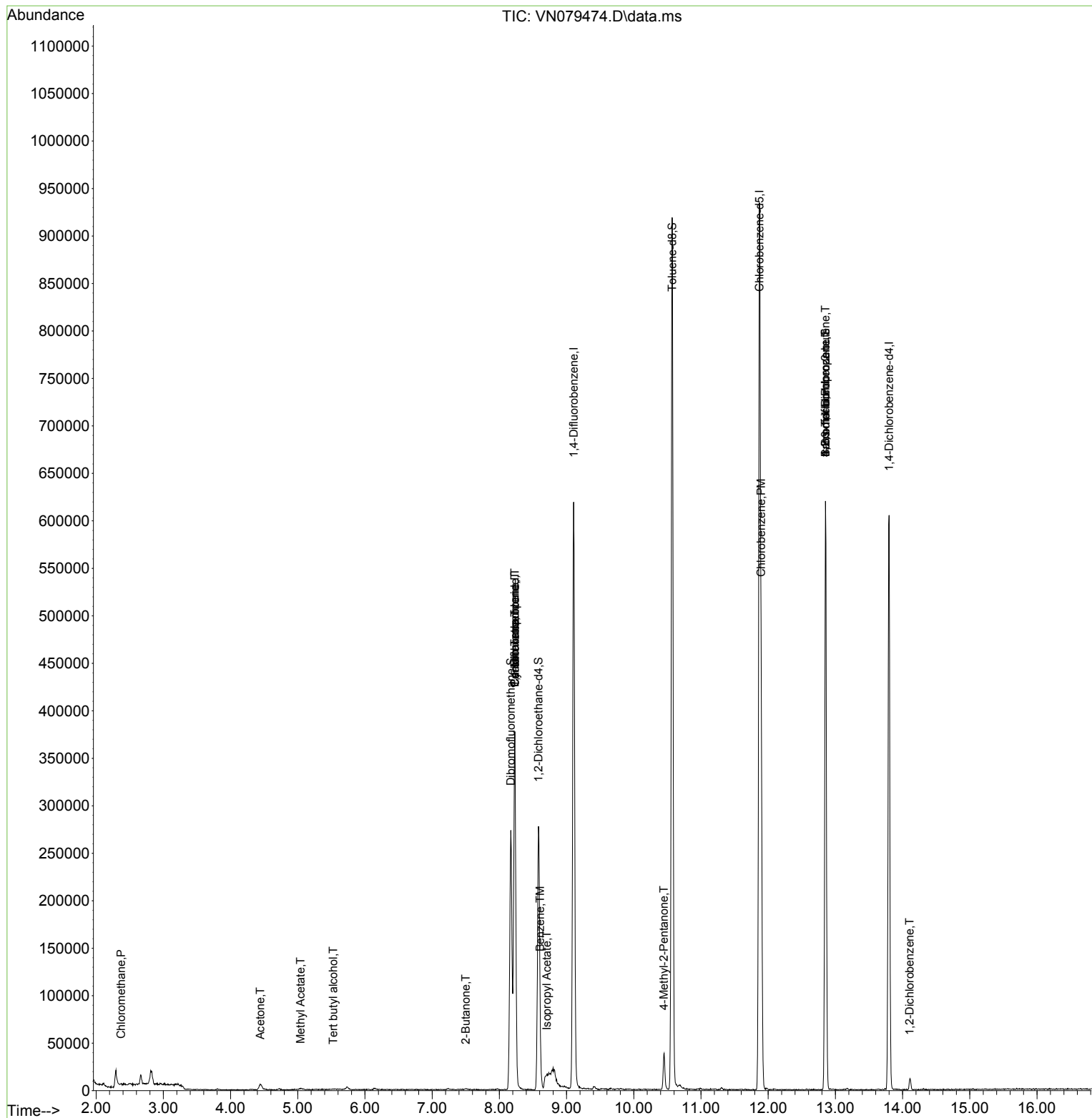
Internal Standards						
1) Pentafluorobenzene	8.230	168	253063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	516968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	489961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	156518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	220129	53.648	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	8.171	113	192541	51.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.660%	
50) Toluene-d8	10.571	98	621591	46.241	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.480%	
62) 4-Bromofluorobenzene	12.853	95	202931	47.041	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1002	0.221	ug/l #	42
11) Tert butyl alcohol	5.530	59	351	0.568	ug/l #	72
16) Acetone	4.442	43	12981	7.976	ug/l #	77
18) Methyl Acetate	5.042	43	2890	0.363	ug/l #	79
20) Methylene Chloride	5.277	84	111	Below Cal	#	46
25) 2-Butanone	7.500	43	2271	0.940	ug/l #	86
31) Cyclohexane	8.230	56	6609	1.136	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	24480	4.390	ug/l #	48
38) Carbon Tetrachloride	8.230	117	28816	5.162	ug/l #	16
40) Benzene	8.606	78	9994	0.604	ug/l	92
43) Isopropyl Acetate	8.706	43	14445	1.486	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	26174	4.770	ug/l	91
65) Chlorobenzene	11.894	112	203115	18.615	ug/l	99
71) Bromoform	12.853	173	1967	0.673	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	53	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	116566	25.830	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116566	74.946	ug/l #	15
91) 1,2-Dichlorobenzene	14.106	146	4970	0.900	ug/l	89

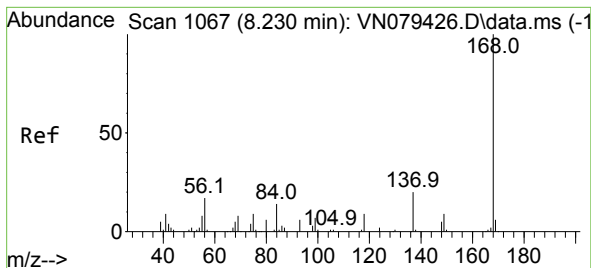
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

Instrument :

MSVOA_N

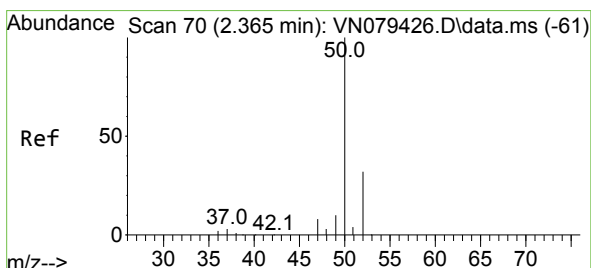
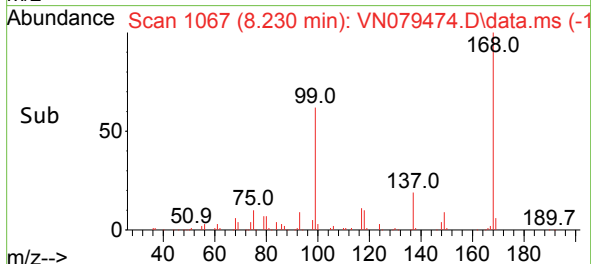
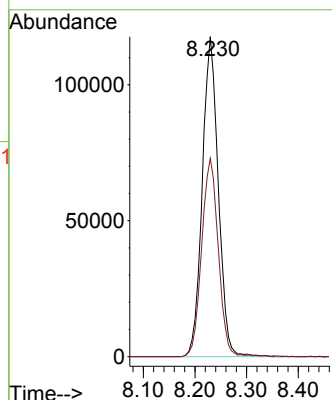
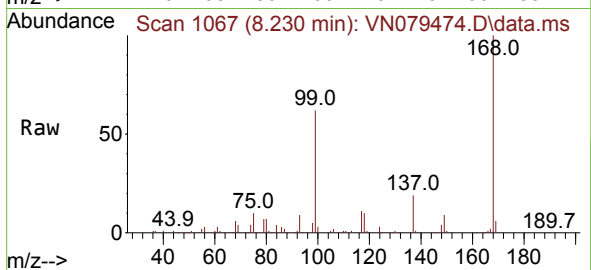
ClientSampleId :

Tgt Ion:168 Resp: 253063

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



#3

Chloromethane

Concen: 0.221 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN079474.D

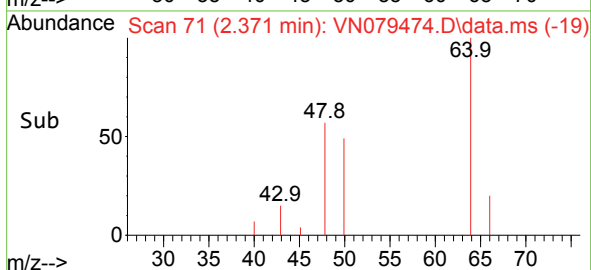
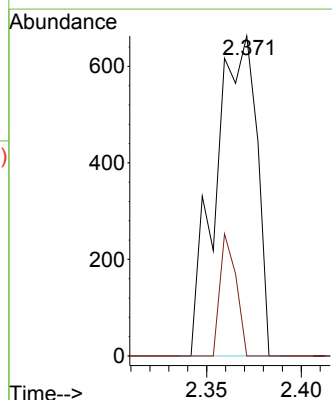
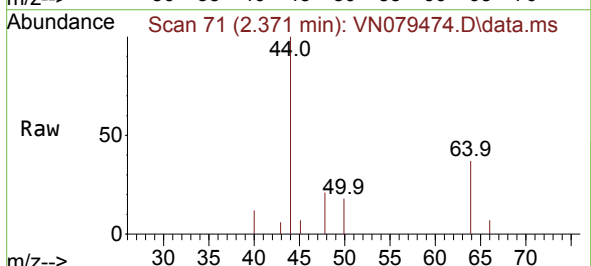
Acq: 09 Oct 2023 16:00

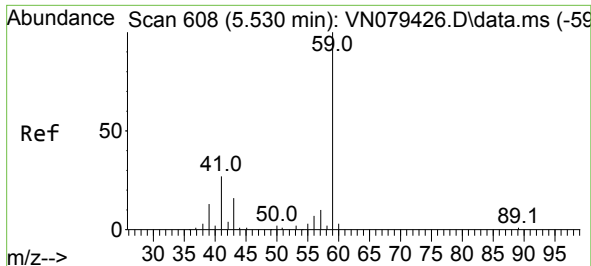
Tgt Ion: 50 Resp: 1002

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

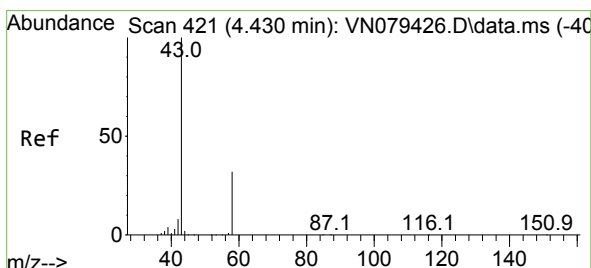
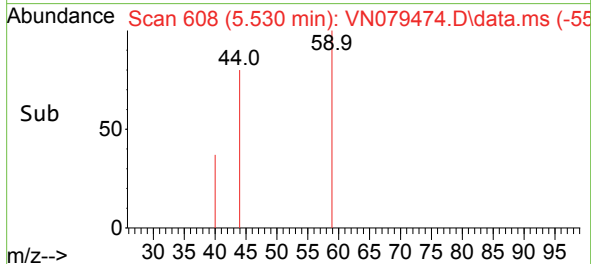
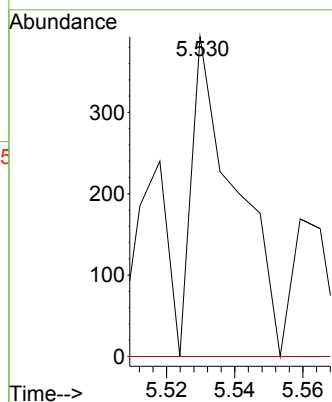
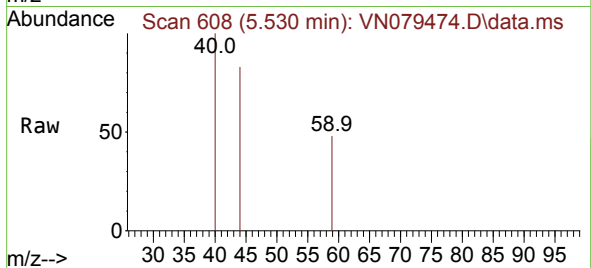




#11
Tert butyl alcohol
Concen: 0.568 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

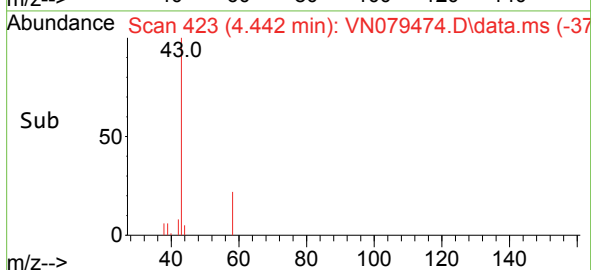
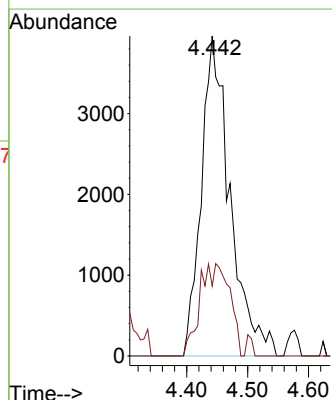
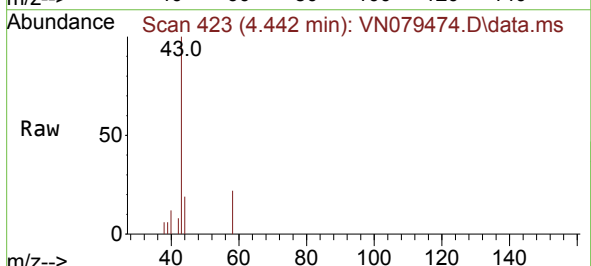
Instrument :
MSVOA_N
ClientSampleId :

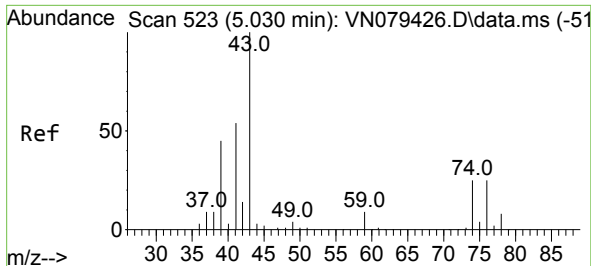
Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 7.976 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 43 Resp: 12981
Ion Ratio Lower Upper
43 100
58 21.8 28.0 42.0#

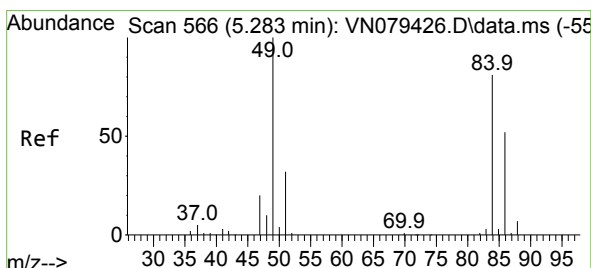
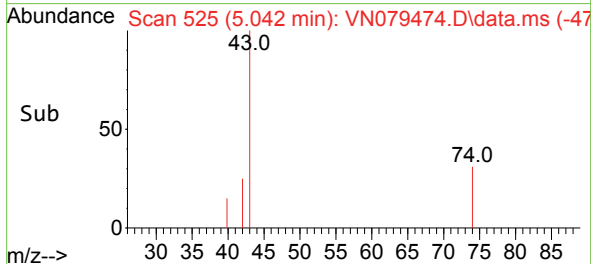
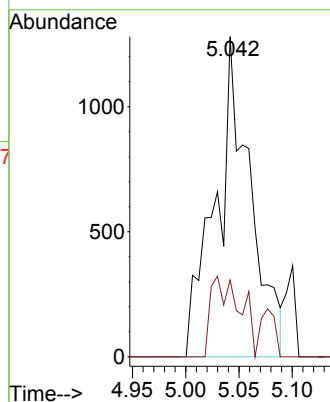
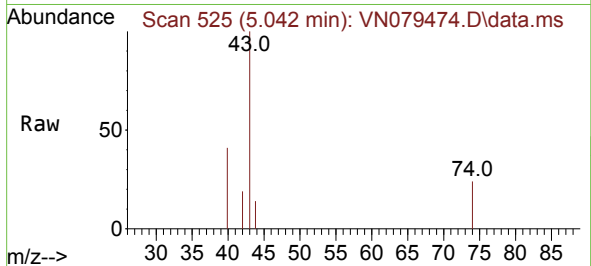




#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

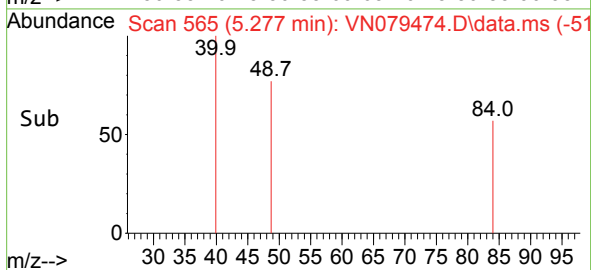
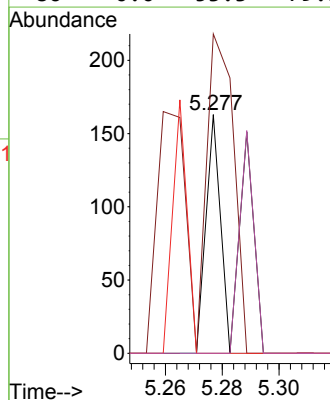
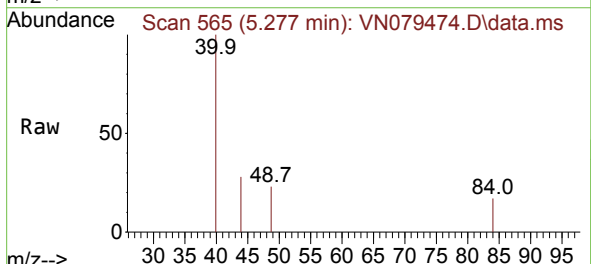
Instrument :
MSVOA_N
ClientSampleId :

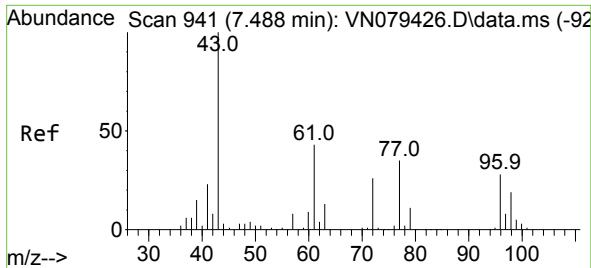
Tgt Ion: 43 Resp: 2890
Ion Ratio Lower Upper
43 100
74 21.1 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 84 Resp: 111
Ion Ratio Lower Upper
84 100
49 133.7 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

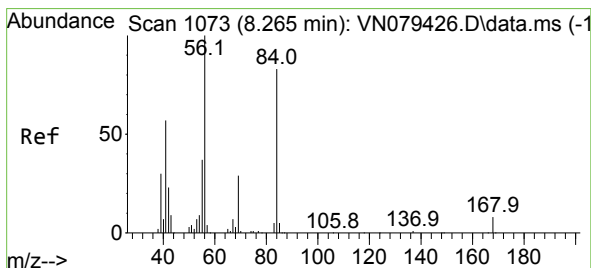
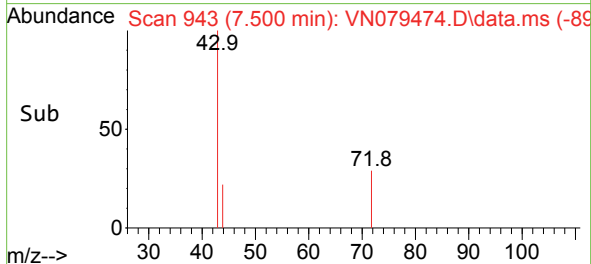
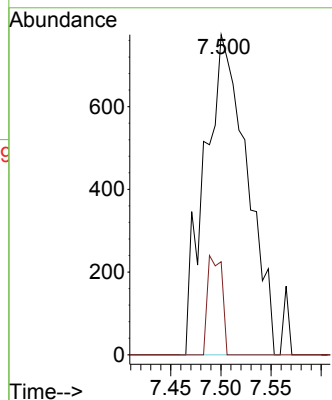
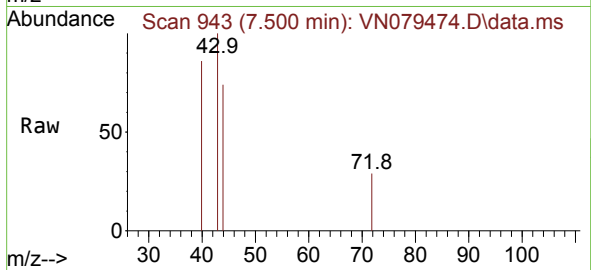




#25
2-Butanone
Concen: 0.940 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

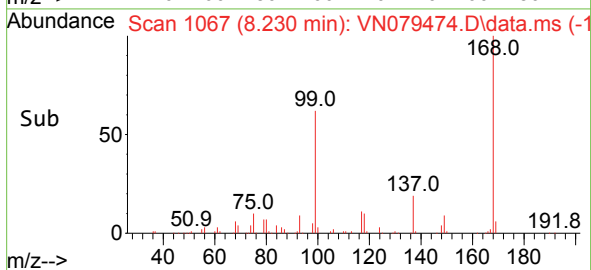
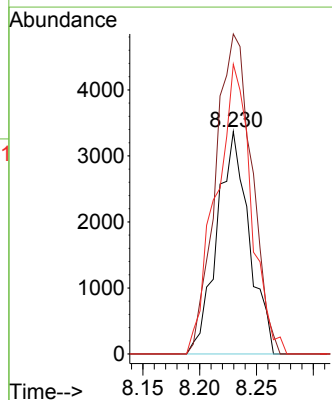
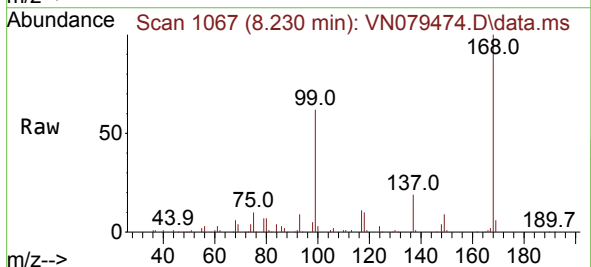
Instrument :
MSVOA_N
ClientSampleId :

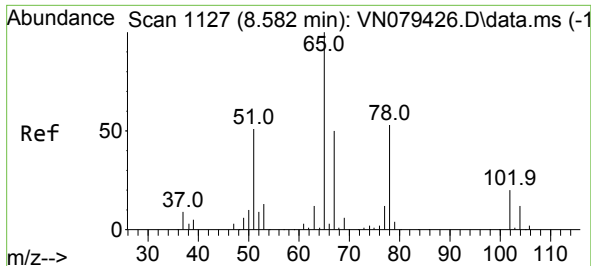
Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
72 29.1 30.2 45.2#



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 56 Resp: 6609
Ion Ratio Lower Upper
56 100
69 143.8 26.8 40.2#
84 130.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.648 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

Instrument :

MSVOA_N

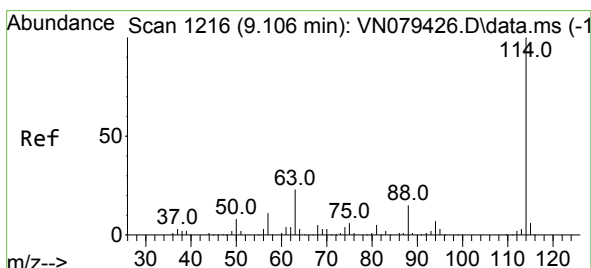
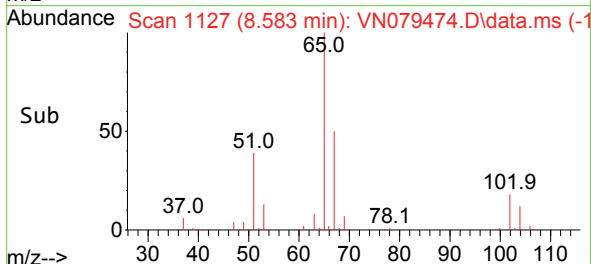
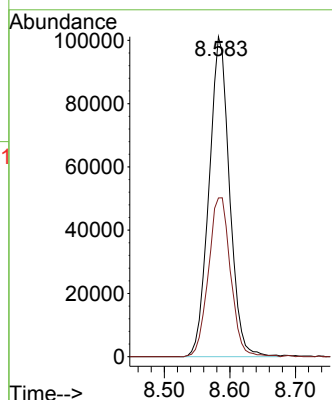
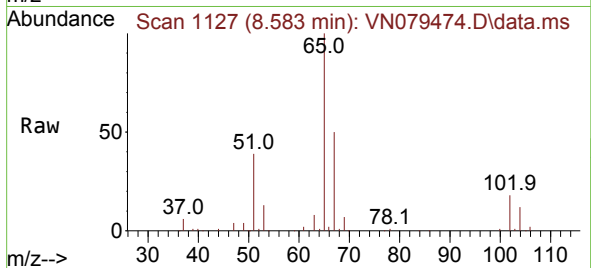
ClientSampleId :

Tgt Ion: 65 Resp: 220129

Ion Ratio Lower Upper

65 100

67 53.5 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: VN079474.D

Acq: 09 Oct 2023 16:00

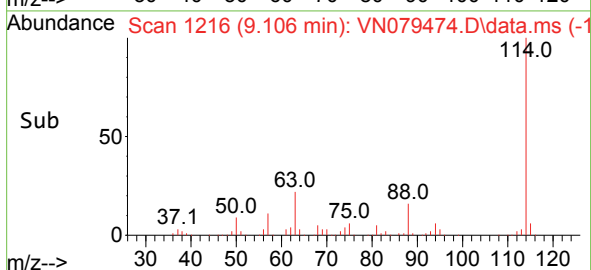
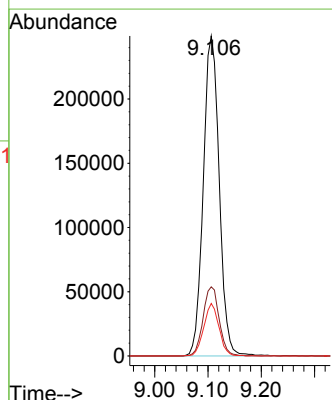
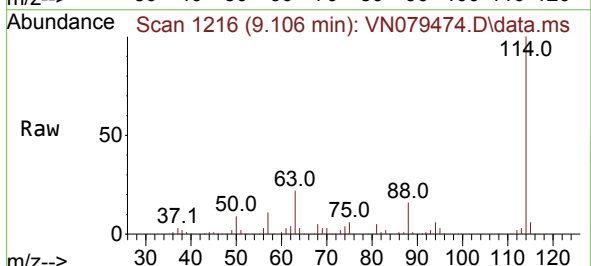
Tgt Ion: 114 Resp: 516968

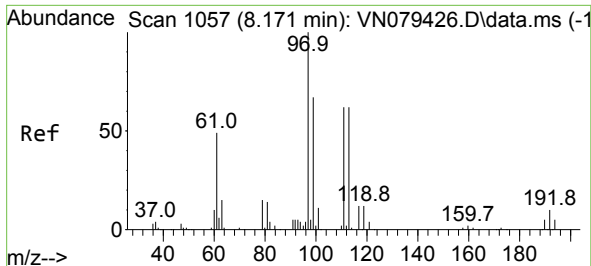
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.826 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

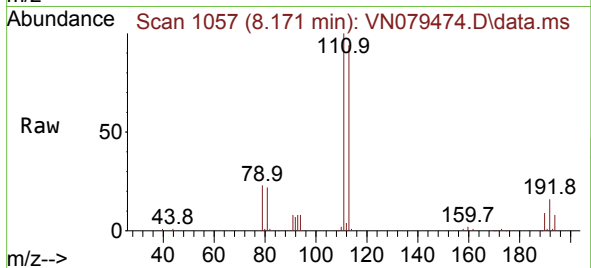
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Acq: 09 Oct 2023 16:00

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MSVOA_N

ClientSampleId :



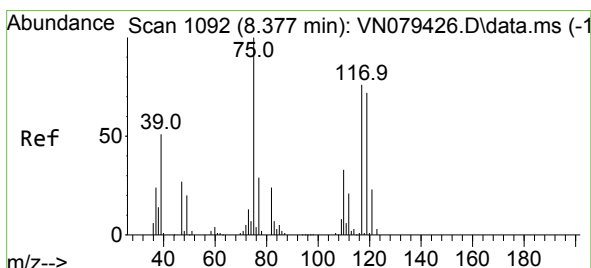
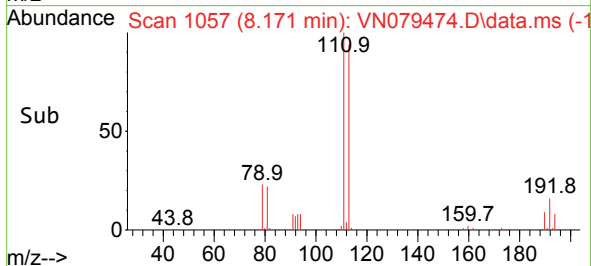
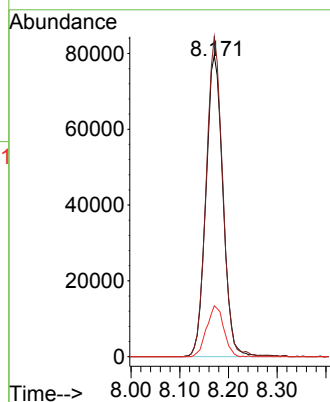
Tgt Ion:113 Resp: 192541

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.390 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

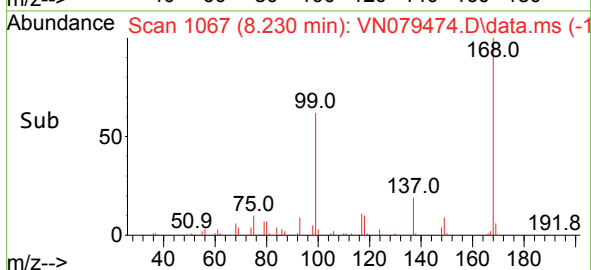
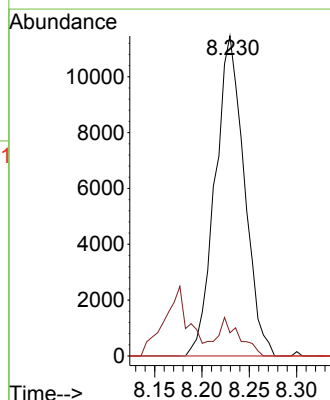
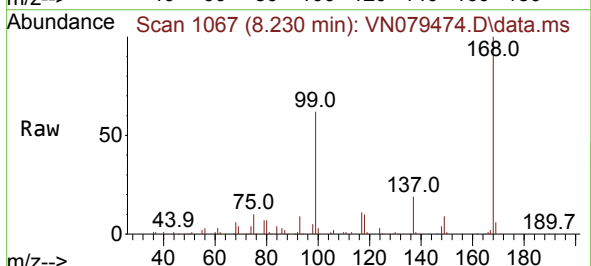
Tgt Ion: 75 Resp: 24480

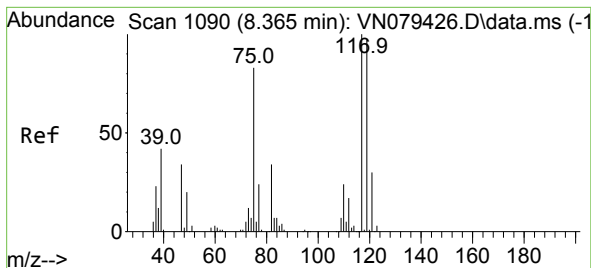
Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.162 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

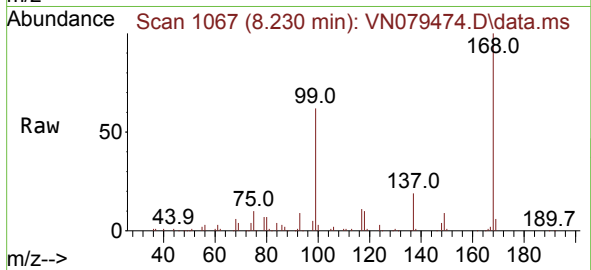
Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :



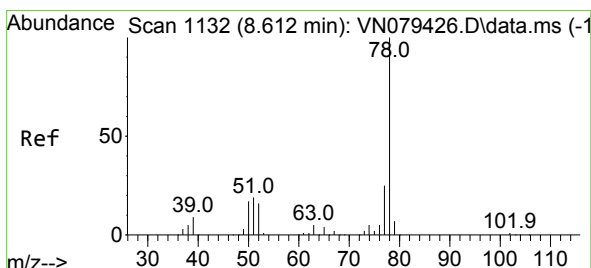
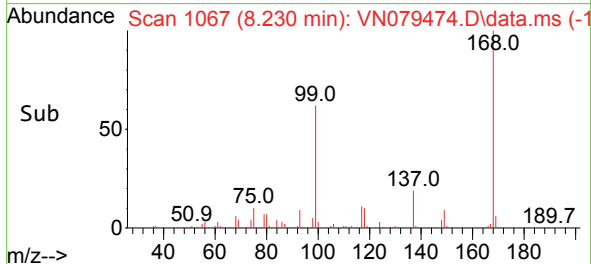
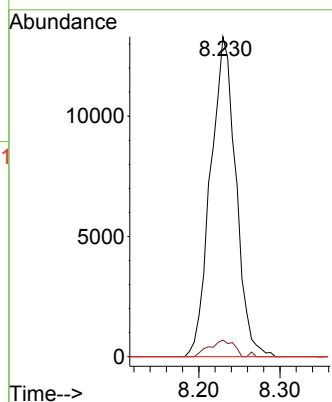
Tgt Ion:117 Resp: 28816

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.604 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN079474.D

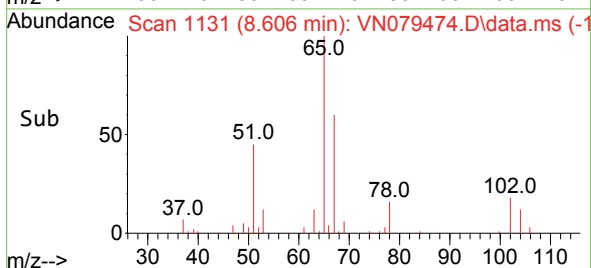
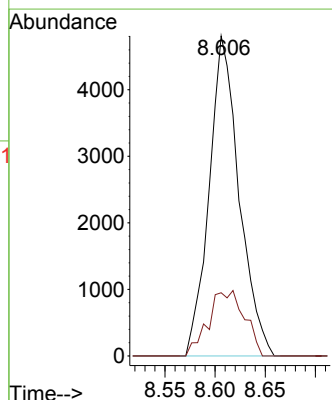
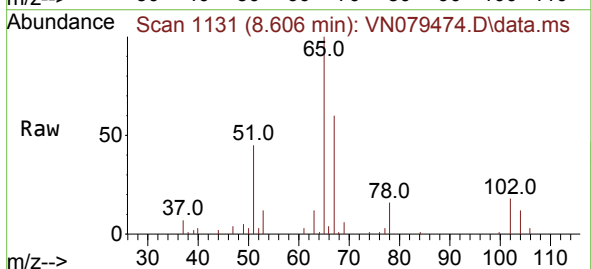
Acq: 09 Oct 2023 16:00

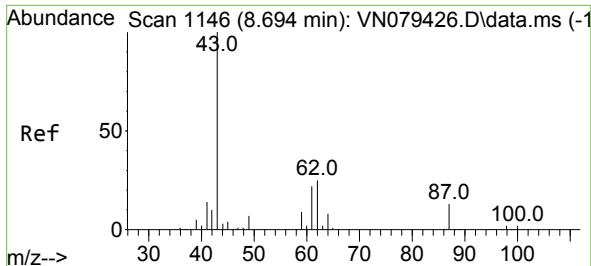
Tgt Ion: 78 Resp: 9994

Ion Ratio Lower Upper

78 100

77 19.8 19.0 28.6

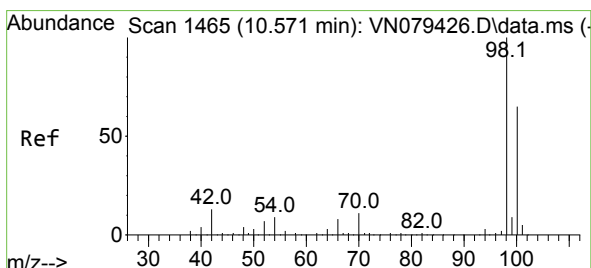
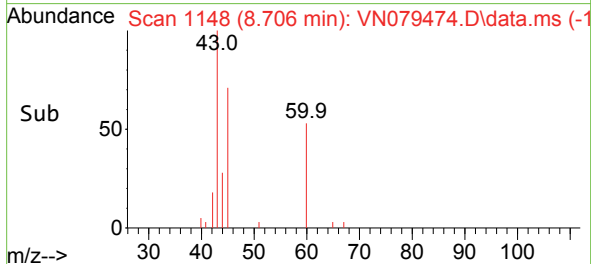
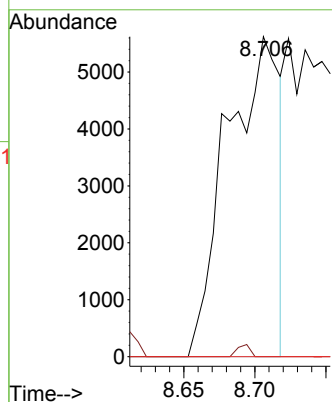
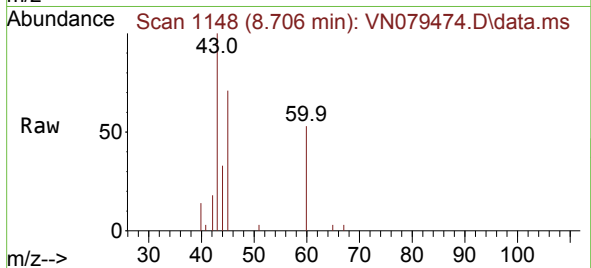




#43
Isopropyl Acetate
Concen: 1.486 ug/l
RT: 8.706 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

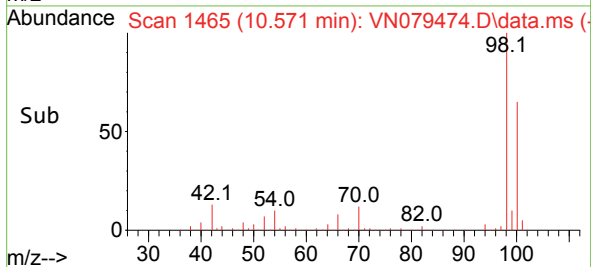
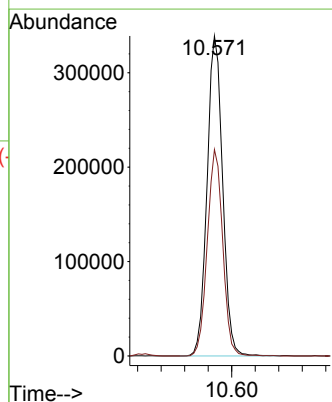
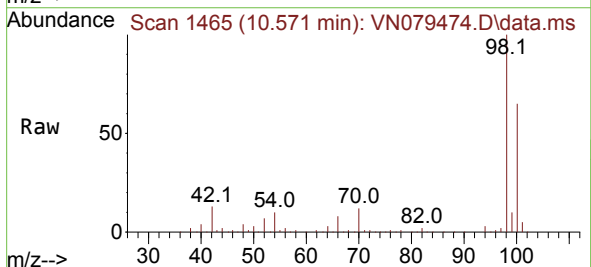
Instrument :
MSVOA_N
ClientSampleId :

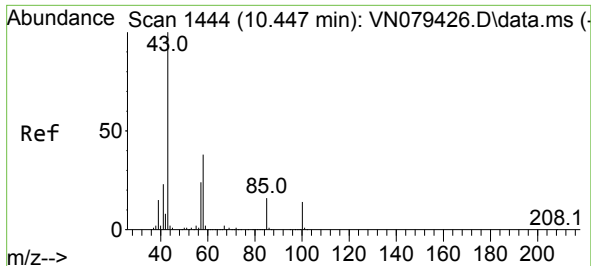
Tgt Ion: 43 Resp: 14445
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.241 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 98 Resp: 621591
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

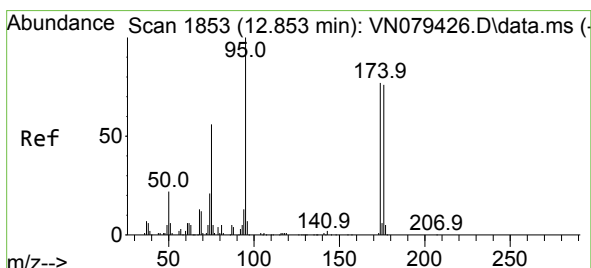
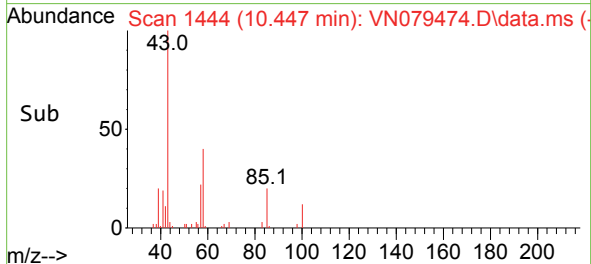
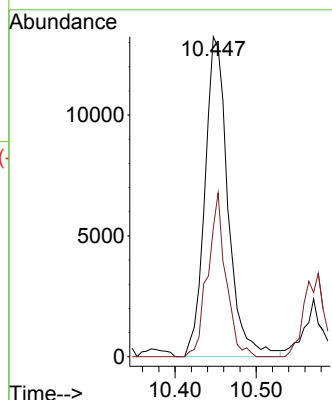
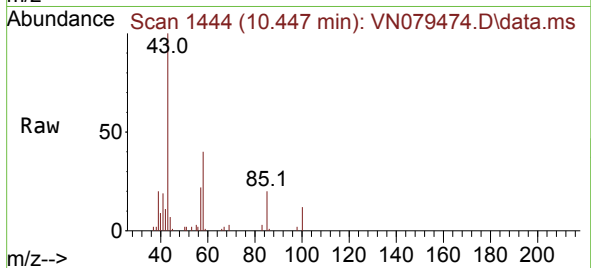




#51
4-Methyl-2-Pentanone
Concen: 4.770 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

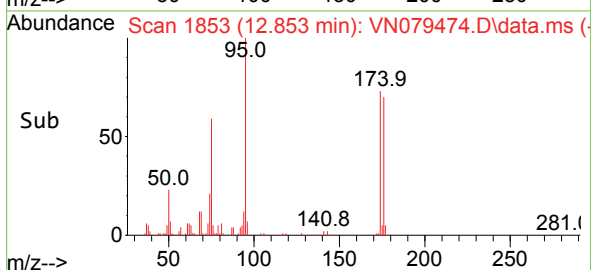
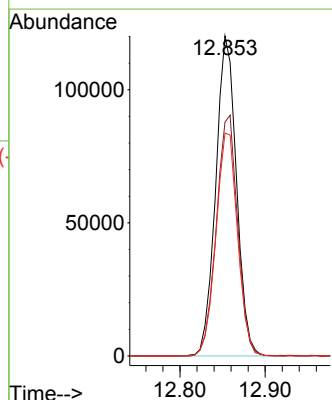
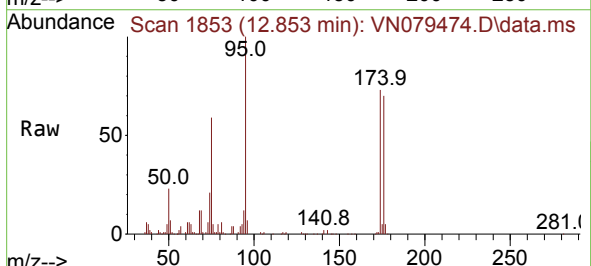
Instrument :
MSVOA_N
ClientSampleId :

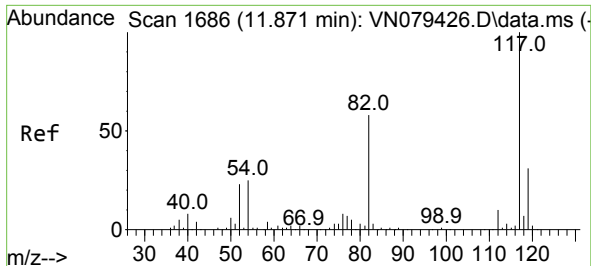
Tgt Ion: 43 Resp: 26174
Ion Ratio Lower Upper
43 100
58 40.1 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 47.041 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 95 Resp: 202931
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 72.7 0.0 135.8

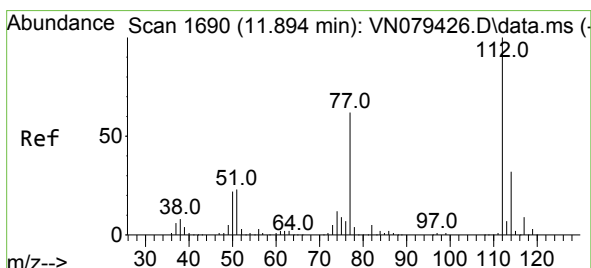
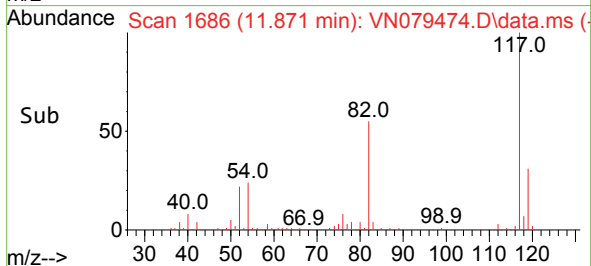
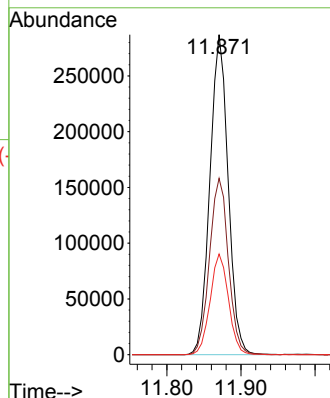
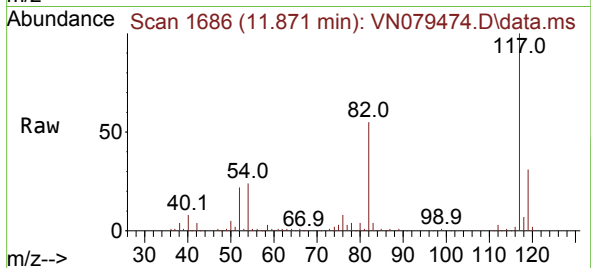




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

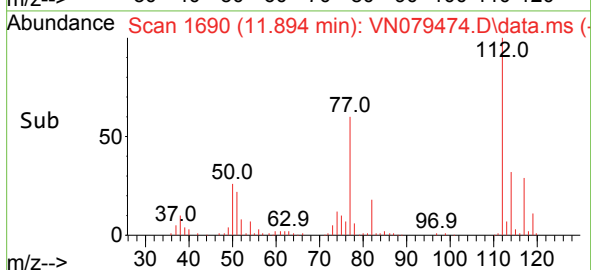
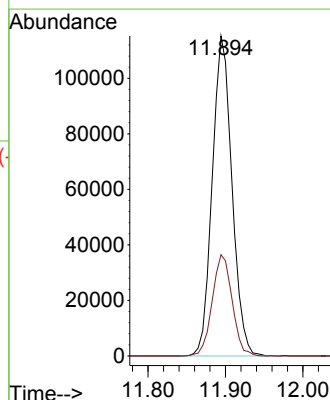
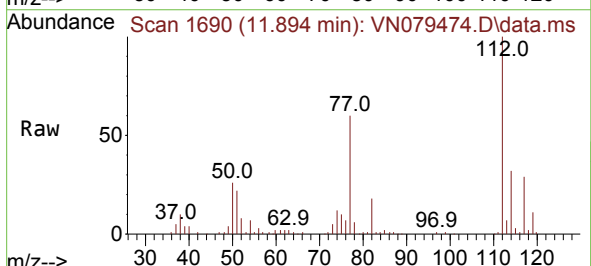
Instrument :
MSVOA_N
ClientSampleId :

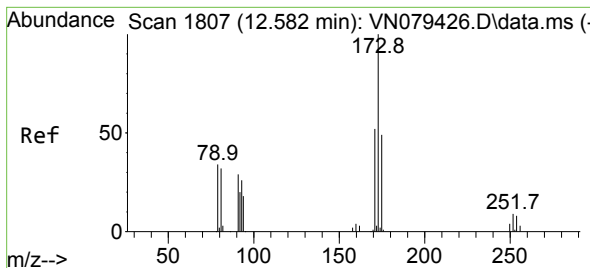
Tgt Ion:117 Resp: 489961
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.5 25.6 38.4



#65
Chlorobenzene
Concen: 18.615 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion:112 Resp: 203115
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4





#71

Bromoform

Concen: 0.673 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

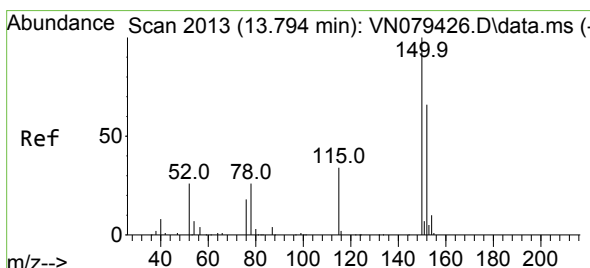
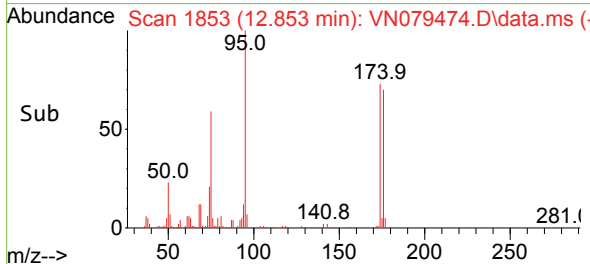
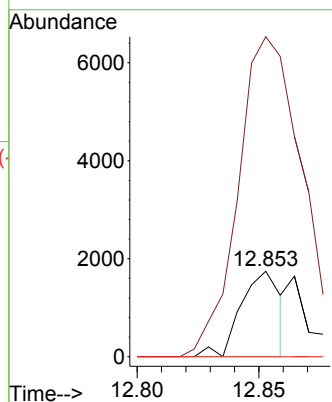
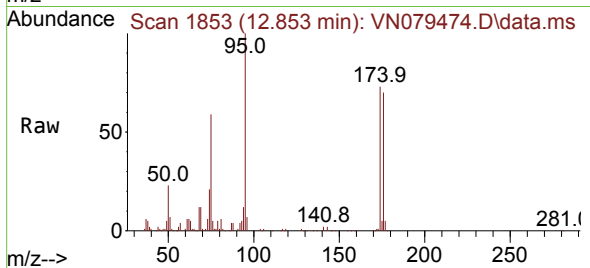
Tgt Ion:173 Resp: 1967

Ion Ratio Lower Upper

173 100

175 430.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079474.D

Acq: 09 Oct 2023 16:00

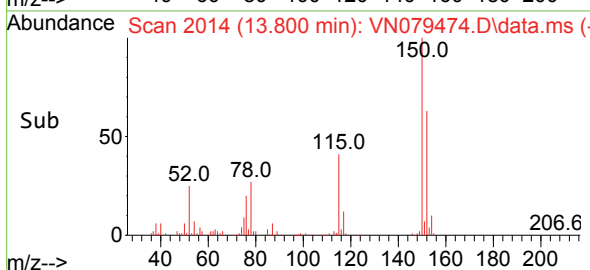
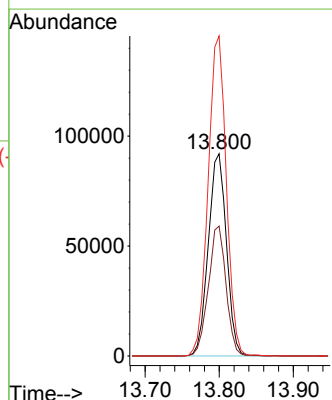
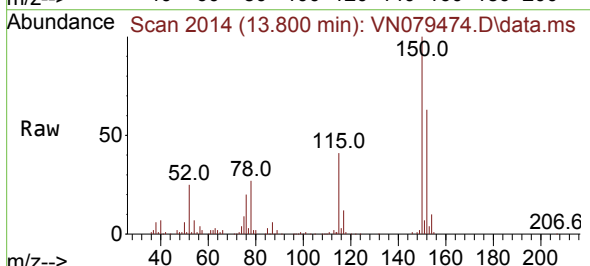
Tgt Ion:152 Resp: 156518

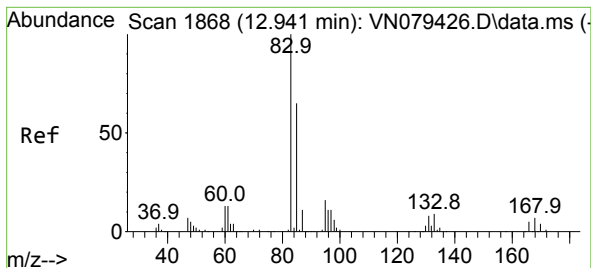
Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 158.4 0.0 355.8

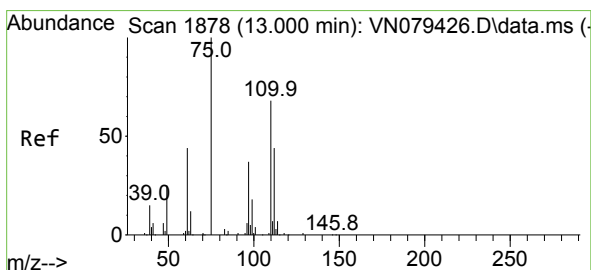
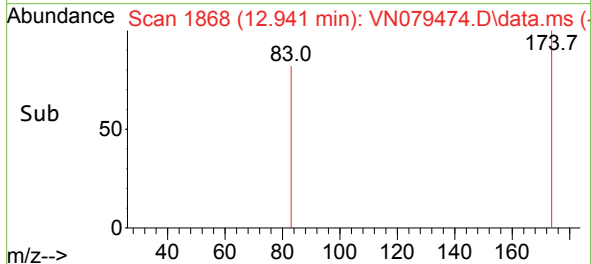
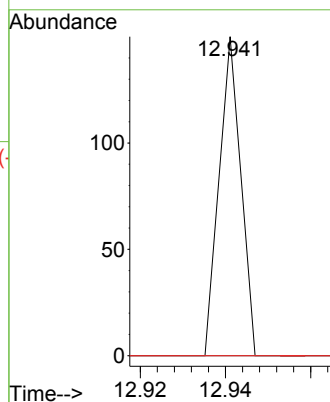
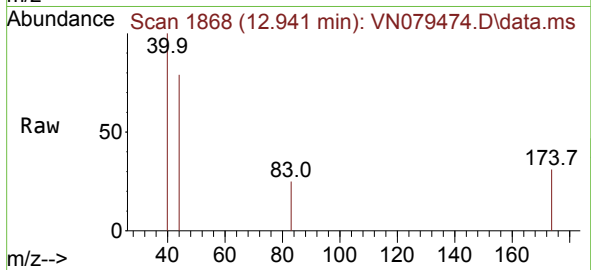




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN079474.D
 Acq: 09 Oct 2023 16:00

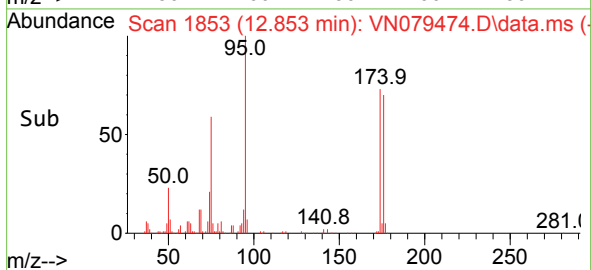
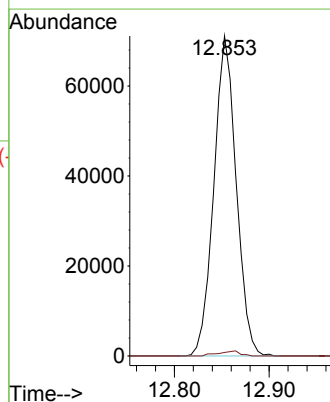
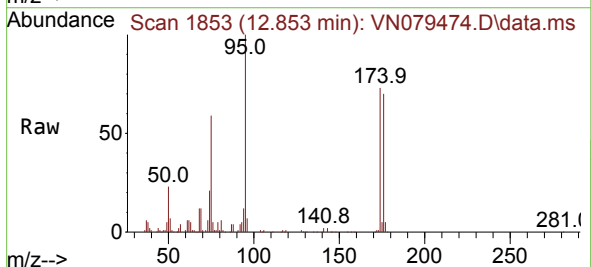
Instrument :
 MSVOA_N
 ClientSampleId :

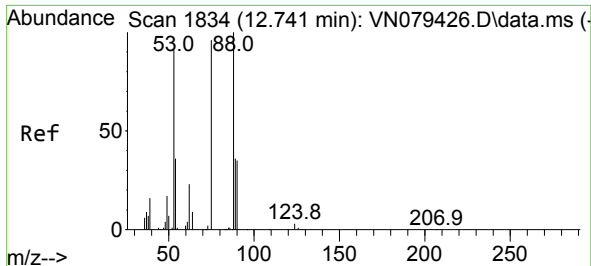
Tgt Ion: 83 Resp: 53
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 25.830 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079474.D
 Acq: 09 Oct 2023 16:00

Tgt Ion: 75 Resp: 116566
 Ion Ratio Lower Upper
 75 100
 77 1.5 84.5 253.5#

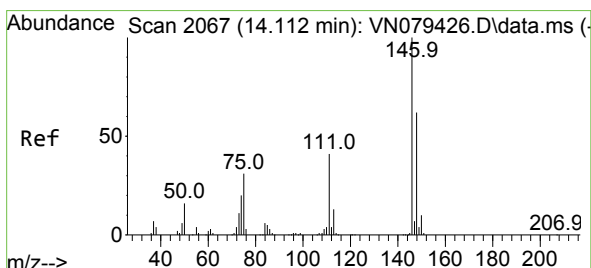
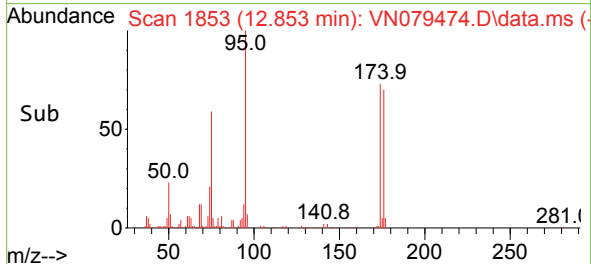
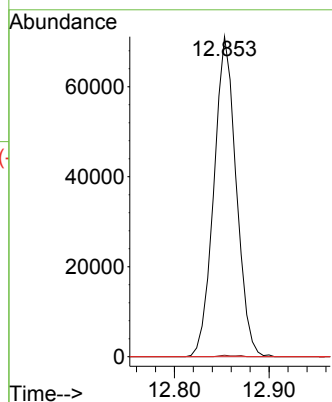
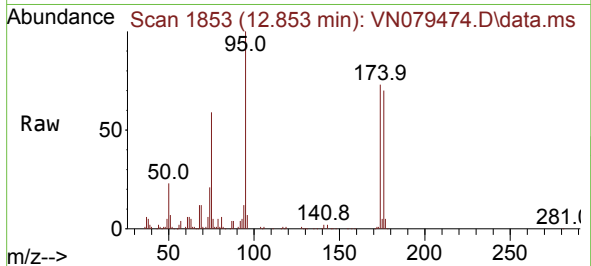




#81
trans-1,4-Dichloro-2-butene
Concen: 74.946 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 116566
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#91
1,2-Dichlorobenzene
Concen: 0.900 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN079474.D
Acq: 09 Oct 2023 16:00

Tgt Ion: 146 Resp: 4970
Ion Ratio Lower Upper
146 100
111 42.4 22.0 66.0
148 76.6 31.8 95.3

