

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079469.D
 Acq On : 09 Oct 2023 13:59
 Operator : JC\MD
 Sample : 04765-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:14:43 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)

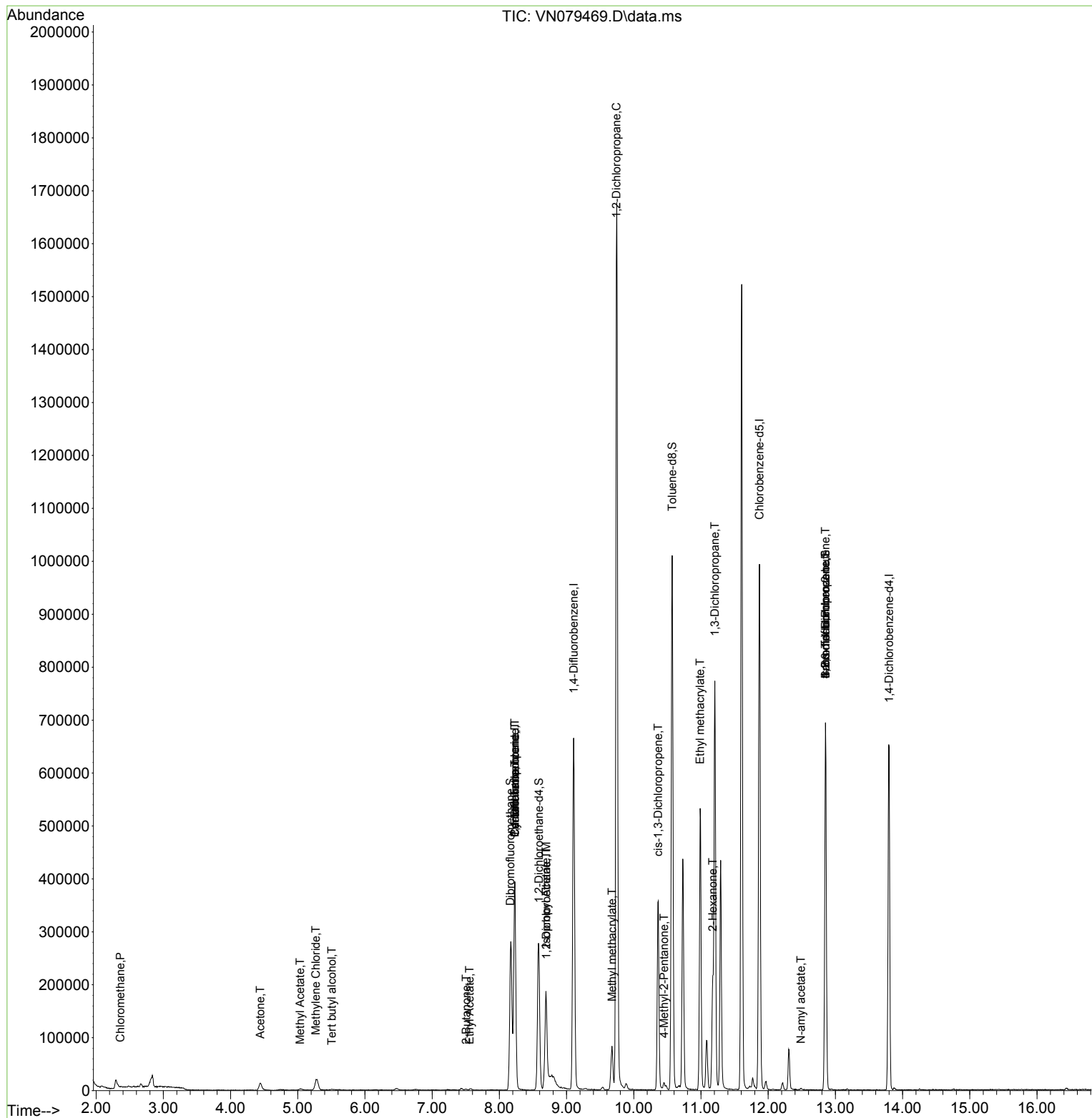
Internal Standards						
1) Pentafluorobenzene	8.229	168	270274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	545115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	553813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	171782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	228131	52.058	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane	8.165	113	197856	50.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.571	98	676216	47.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.420%			
62) 4-Bromofluorobenzene	12.853	95	227443	50.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	993	0.205	ug/l #	42
11) Tert butyl alcohol	5.506	59	1021	1.548	ug/l #	72
16) Acetone	4.441	43	26347	15.158	ug/l	91
18) Methyl Acetate	5.036	43	4616	0.543	ug/l #	60
20) Methylene Chloride	5.271	84	16713	3.835	ug/l #	92
25) 2-Butanone	7.506	43	3201	1.241	ug/l #	75
31) Cyclohexane	8.229	56	7440	1.197	ug/l #	29
36) 1,1-Dichloropropene	8.229	75	25212	4.288	ug/l #	47
37) Ethyl Acetate	7.559	43	4271	0.730	ug/l #	77
38) Carbon Tetrachloride	8.229	117	29370	4.990	ug/l #	15
42) 1,2-Dichloroethane	8.700	62	1436	0.226	ug/l #	73
43) Isopropyl Acetate	8.694	43	209126	20.404	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	2229	0.485	ug/l #	45
48) Methyl methacrylate	9.676	41	5534	1.260	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	13778	2.381	ug/l #	71
54) cis-1,3-Dichloropropene	10.365	75	60506	8.949	ug/l #	73
56) Ethyl methacrylate	10.988	69	3036	0.535	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7596	1.066	ug/l #	42
59) 2-Hexanone	11.176	43	167165	40.039	ug/l #	19
71) Bromoform	12.853	173	1780	0.539	ug/l #	1
74) N-amyl acetate	12.488	43	2638	0.403	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.853	83	332	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.853	75	126442	25.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126442	74.073	ug/l #	15

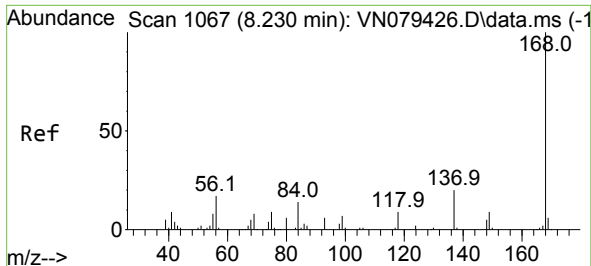
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

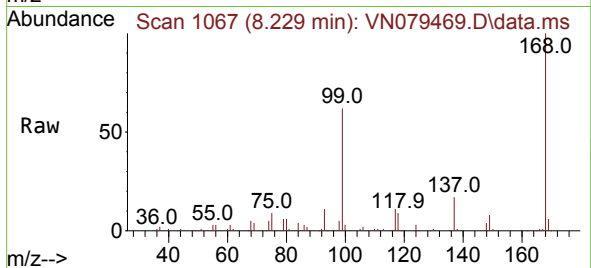
Quant Time: Oct 09 23:14:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



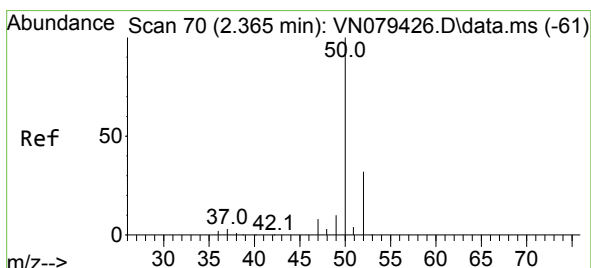
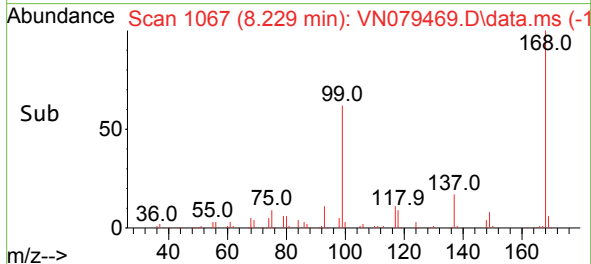
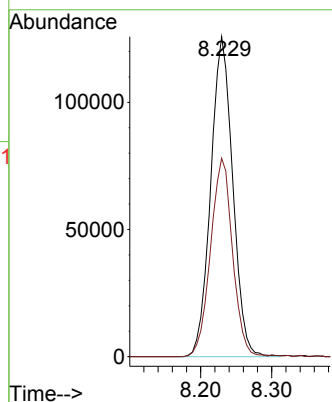


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

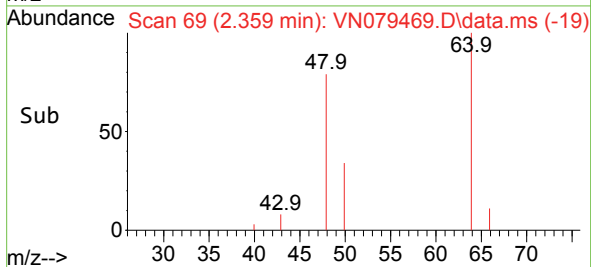
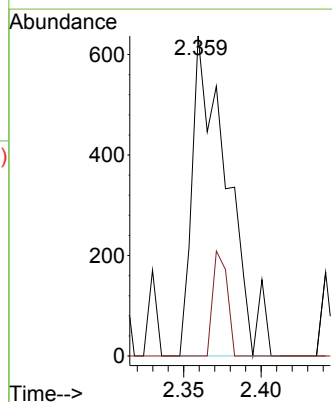
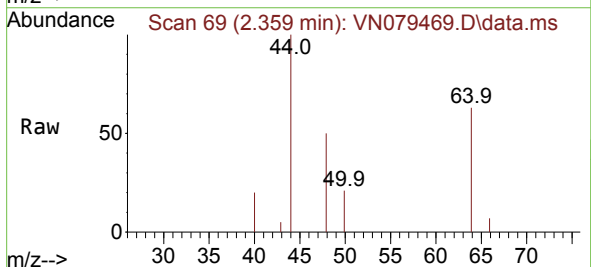


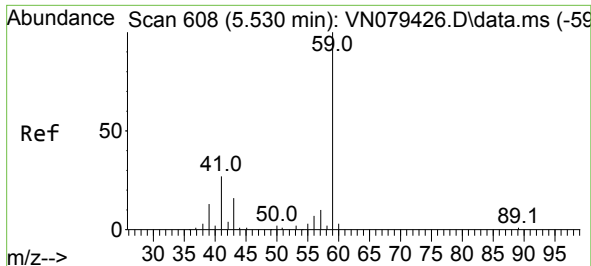
Tgt Ion:168 Resp: 270274
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 1.548 ug/l

RT: 5.506 min Scan# 608

Delta R.T. -0.024 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

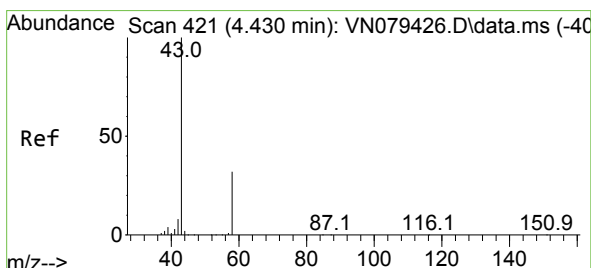
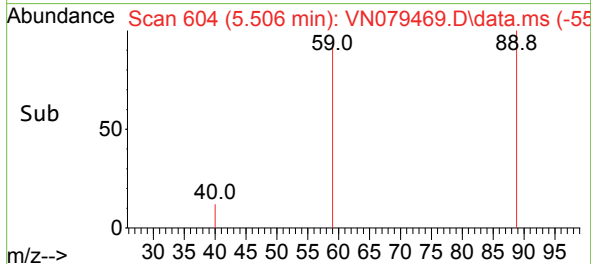
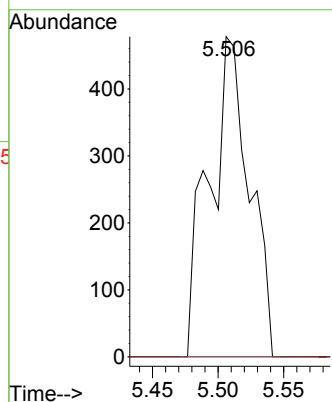
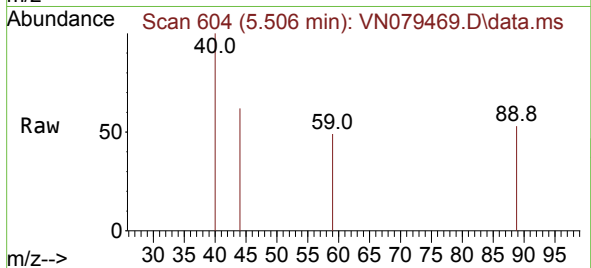
ClientSampleId :

Tgt Ion: 59 Resp: 1021

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 15.158 ug/l

RT: 4.441 min Scan# 423

Delta R.T. 0.011 min

Lab File: VN079469.D

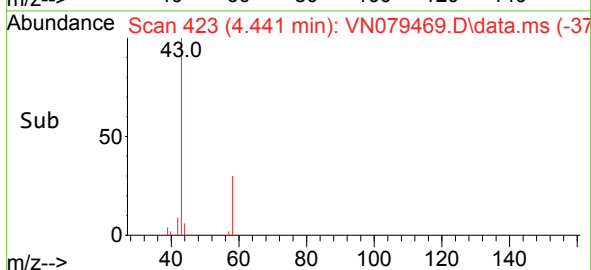
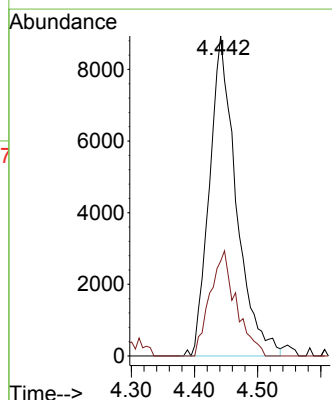
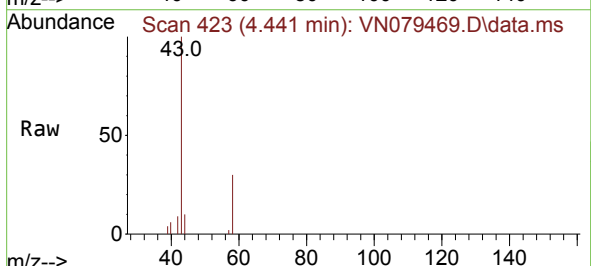
Acq: 09 Oct 2023 13:59

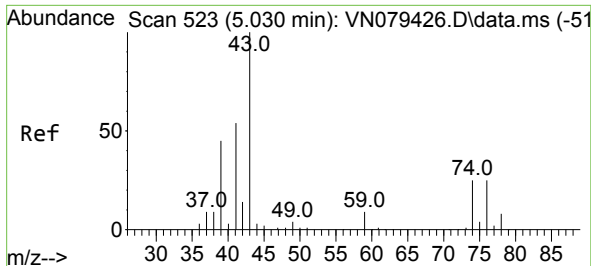
Tgt Ion: 43 Resp: 26347

Ion Ratio Lower Upper

43 100

58 29.7 28.0 42.0

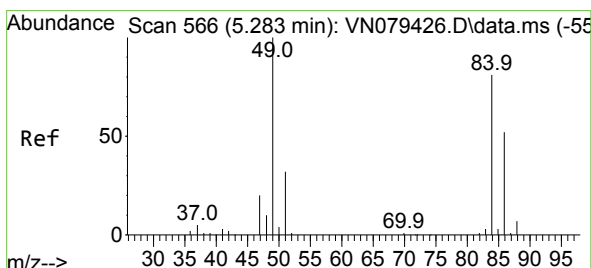
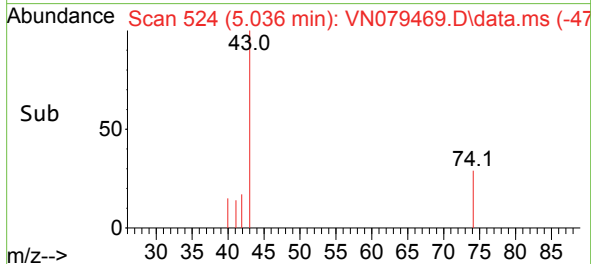
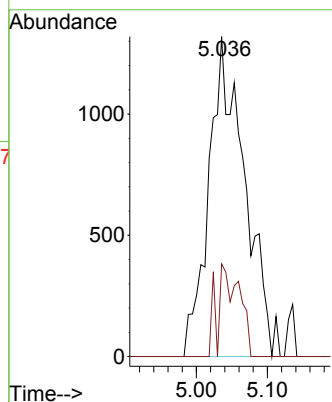
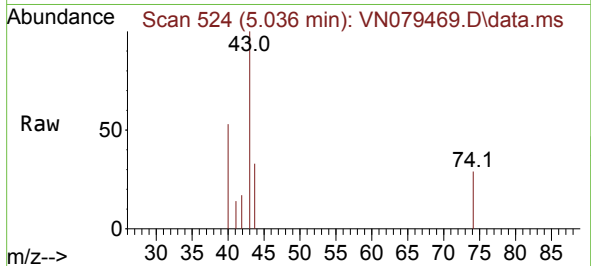




#18
Methyl Acetate
Concen: 0.543 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

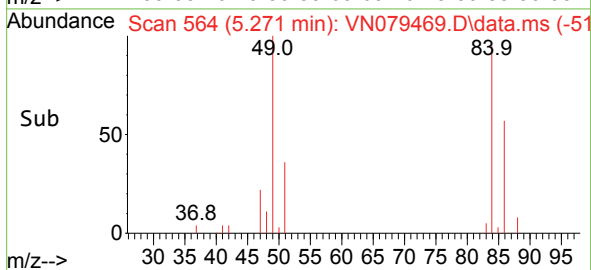
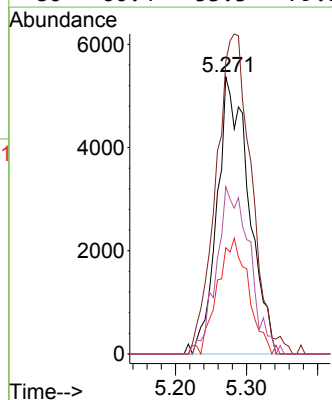
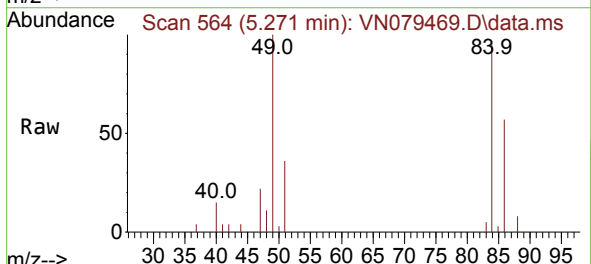
Instrument :
MSVOA_N
ClientSampleId :

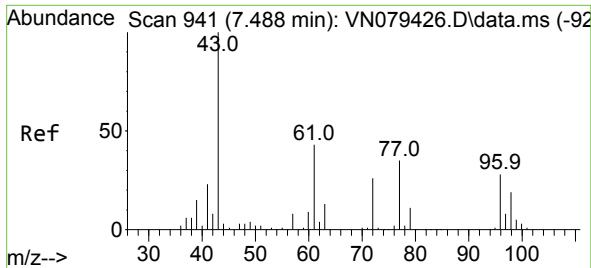
Tgt Ion: 43 Resp: 4616
Ion Ratio Lower Upper
43 100
74 10.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.835 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 84 Resp: 16713
Ion Ratio Lower Upper
84 100
49 105.5 79.7 119.5
51 38.3 25.2 37.8#
86 60.4 53.3 79.9

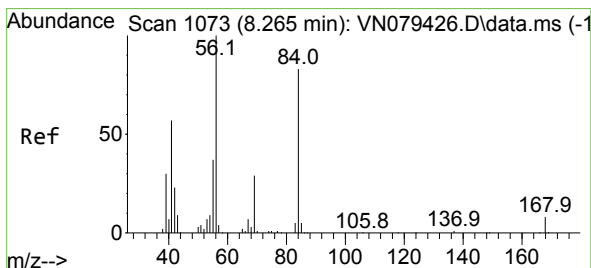
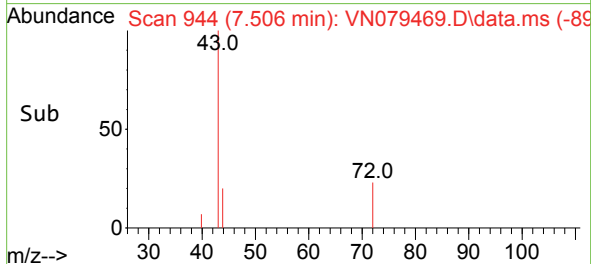
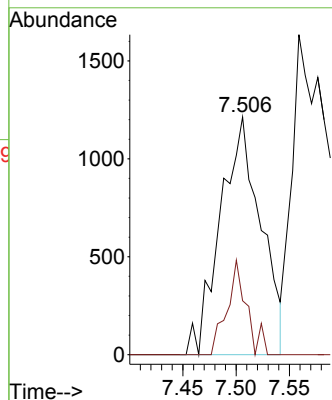
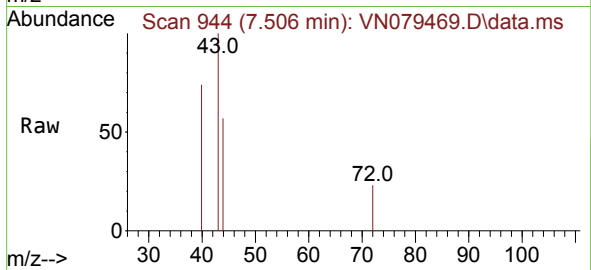




#25
2-Butanone
Concen: 1.241 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

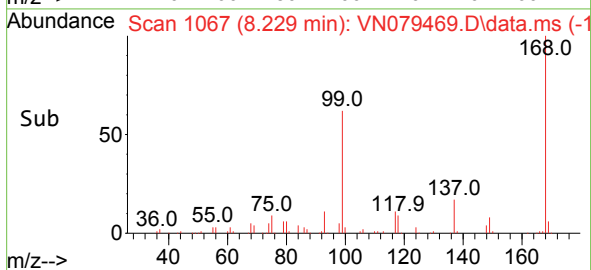
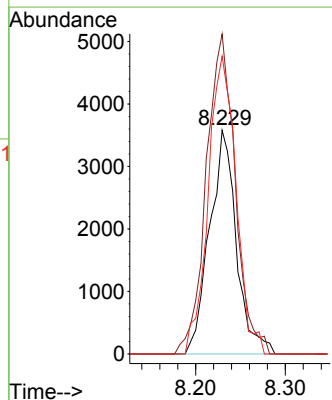
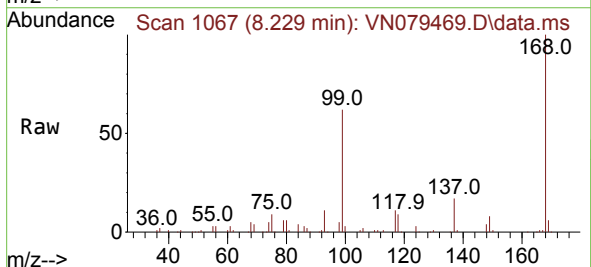
Instrument :
MSVOA_N
ClientSampleId :

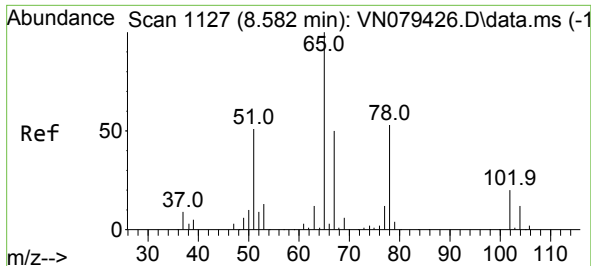
Tgt Ion: 43 Resp: 3201
Ion Ratio Lower Upper
43 100
72 22.7 30.2 45.2#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 56 Resp: 7440
Ion Ratio Lower Upper
56 100
69 143.0 26.8 40.2#
84 133.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.058 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

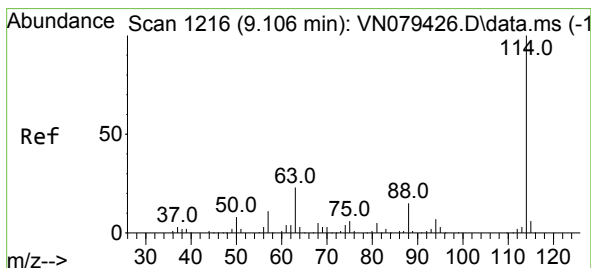
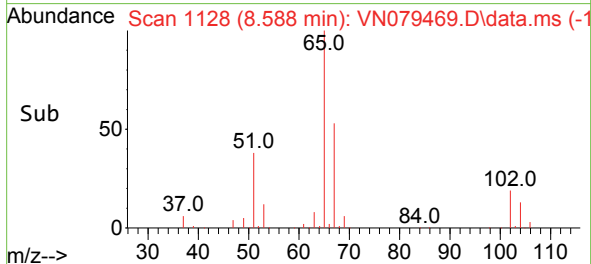
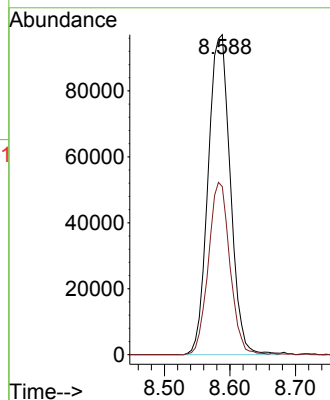
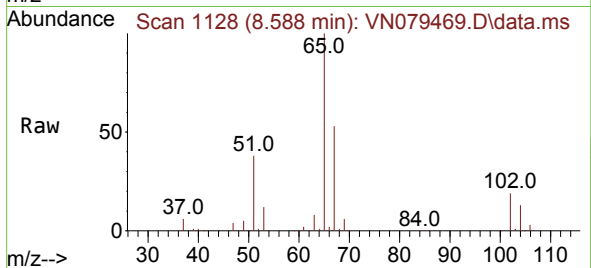
ClientSampleId :

Tgt Ion: 65 Resp: 228131

Ion Ratio Lower Upper

65 100

67 52.2 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: VN079469.D

Acq: 09 Oct 2023 13:59

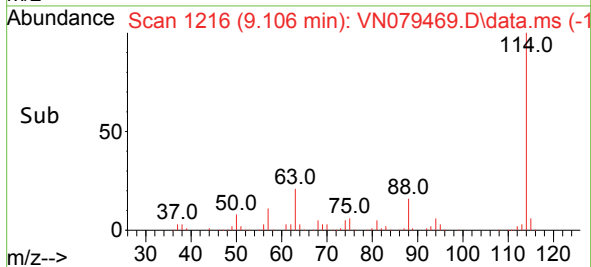
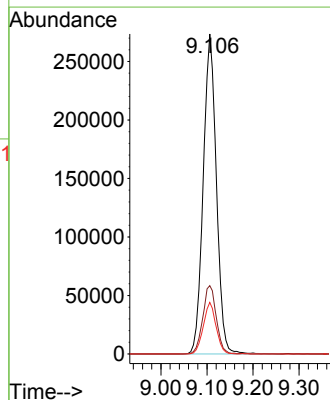
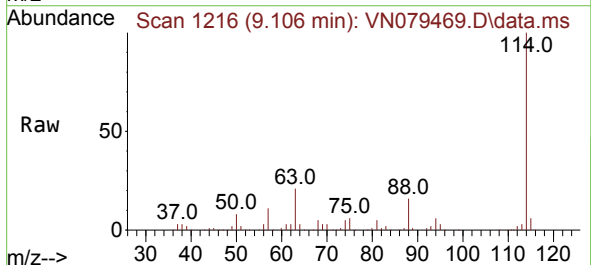
Tgt Ion: 114 Resp: 545115

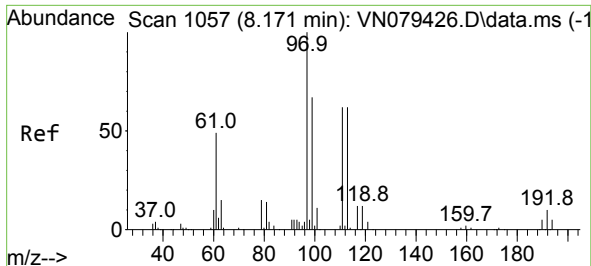
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

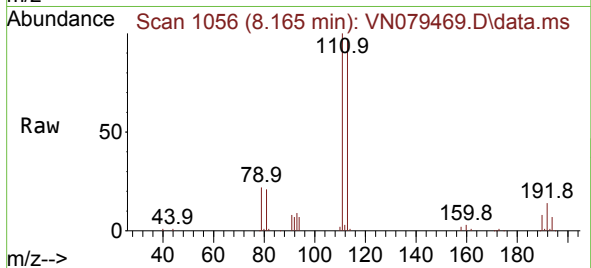
Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :



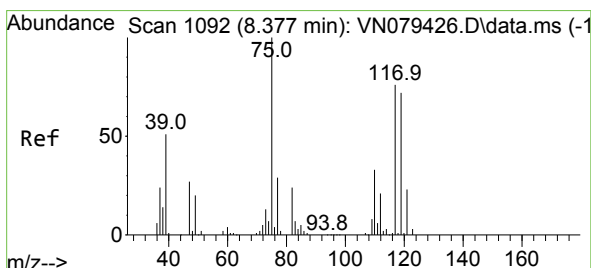
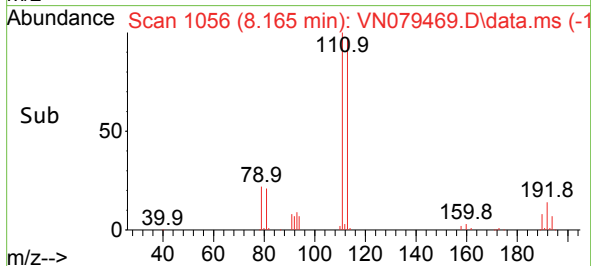
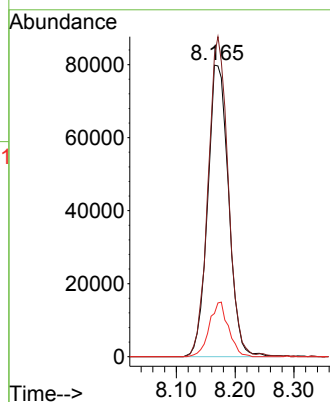
Tgt Ion:113 Resp: 197856

Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

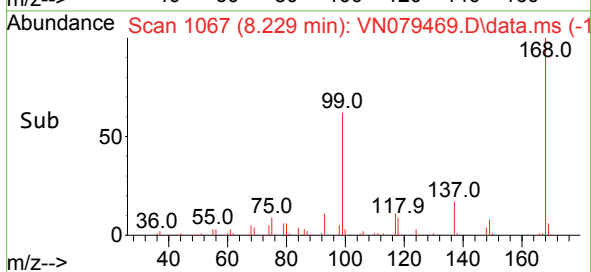
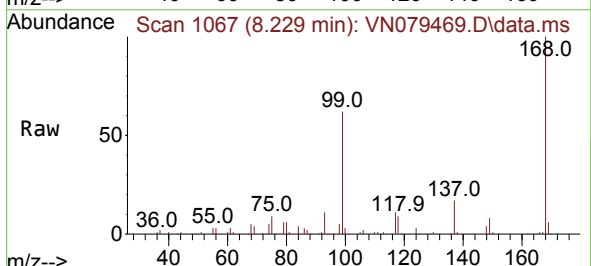
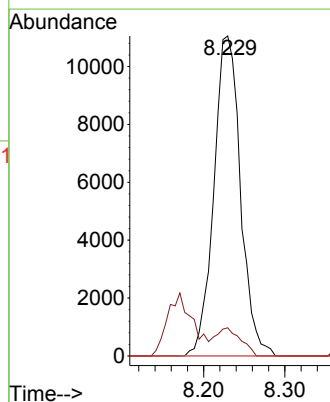
Tgt Ion: 75 Resp: 25212

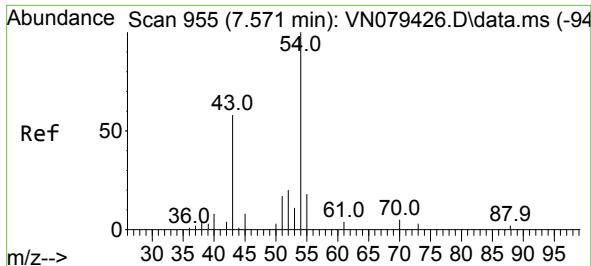
Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

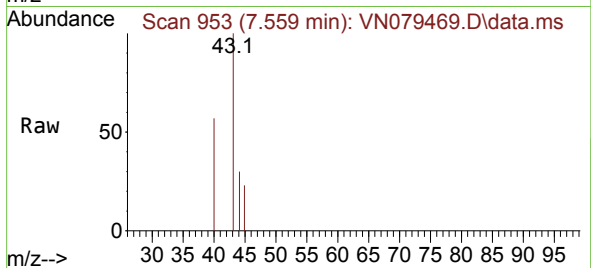
77 0.0 25.0 37.4#



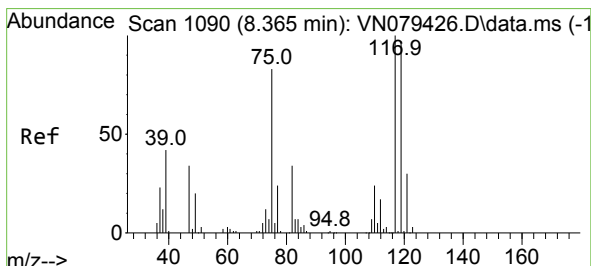
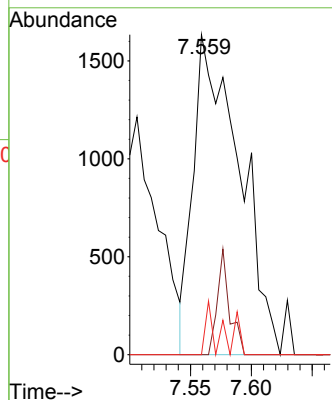
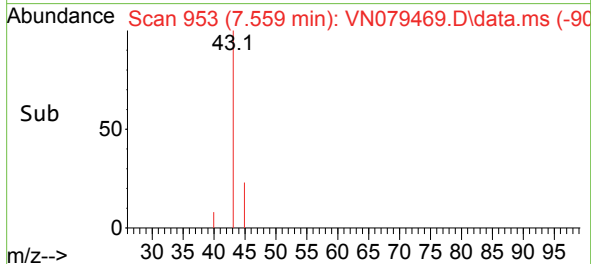


#37
Ethyl Acetate
Concen: 0.730 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

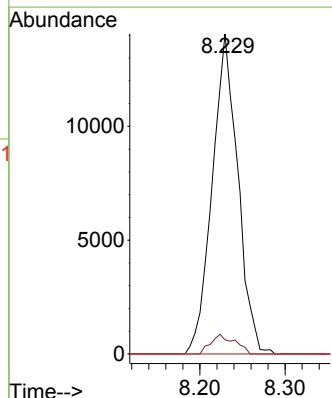
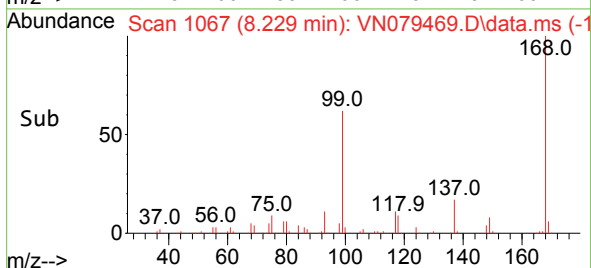
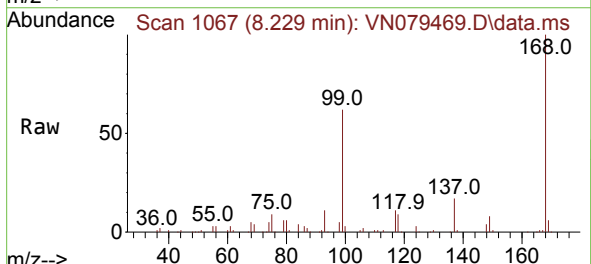


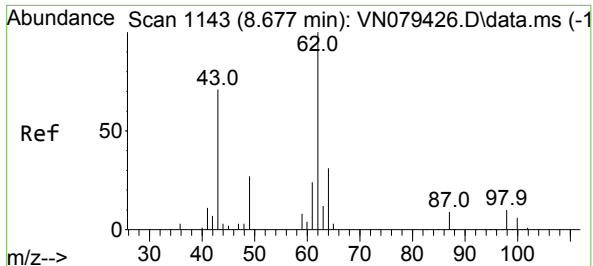
Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
61 8.8 13.2 19.8#
70 2.3 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.990 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 117 Resp: 29370
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.226 ug/l

RT: 8.700 min Scan# 1143

Delta R.T. 0.023 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

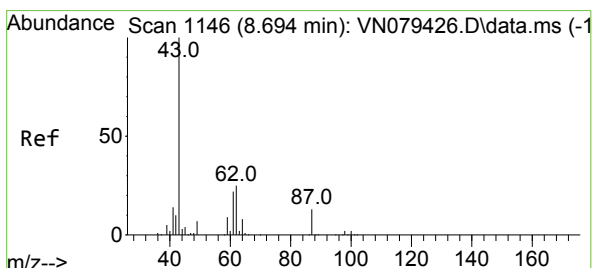
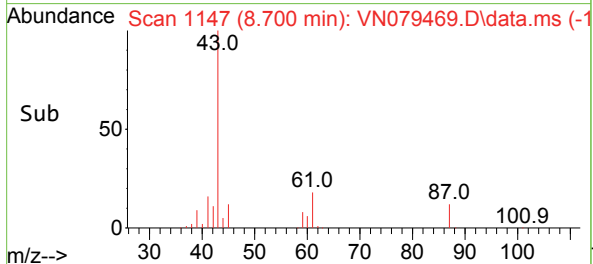
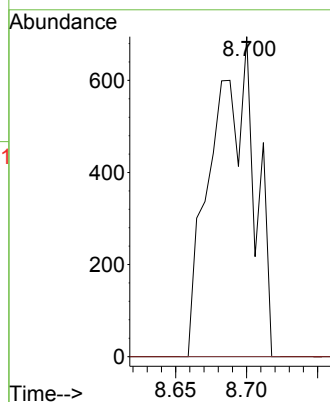
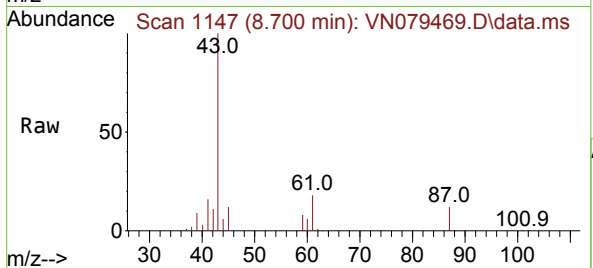
ClientSampleId :

Tgt Ion: 62 Resp: 1436

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 20.404 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

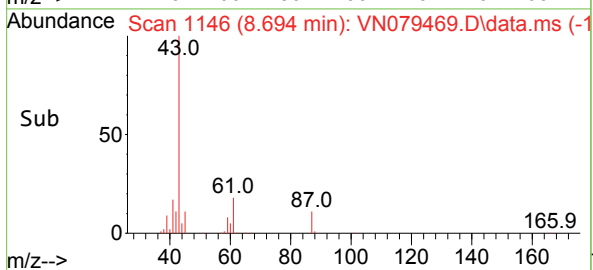
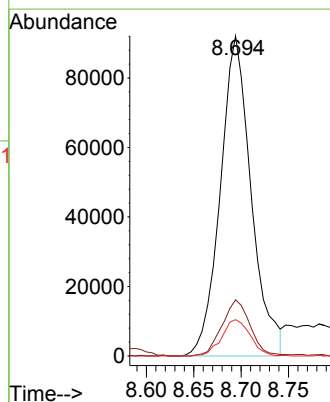
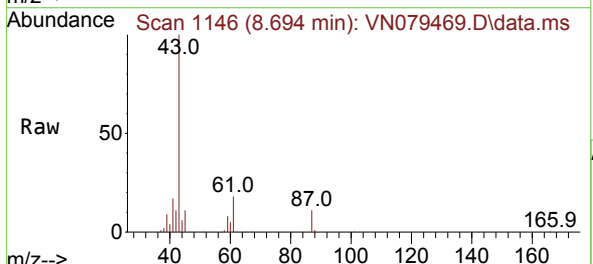
Tgt Ion: 43 Resp: 209126

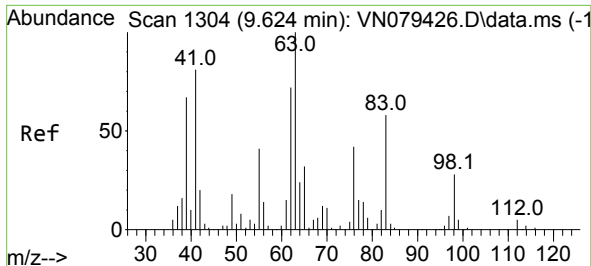
Ion Ratio Lower Upper

43 100

61 16.2 24.7 37.1#

87 10.5 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.485 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

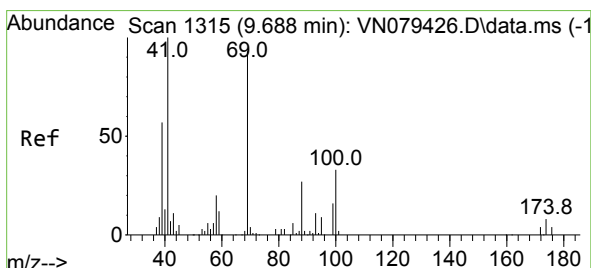
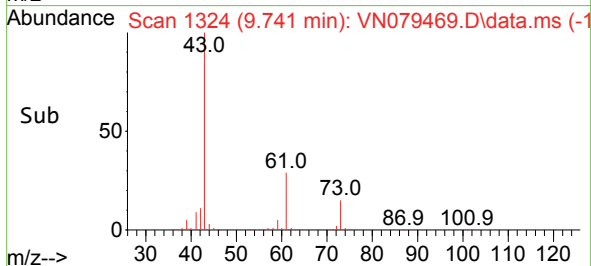
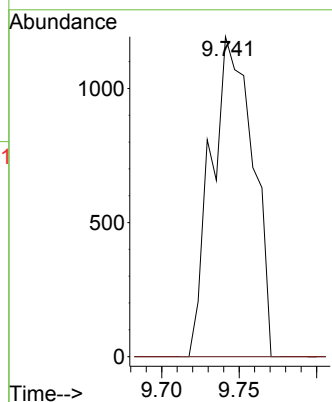
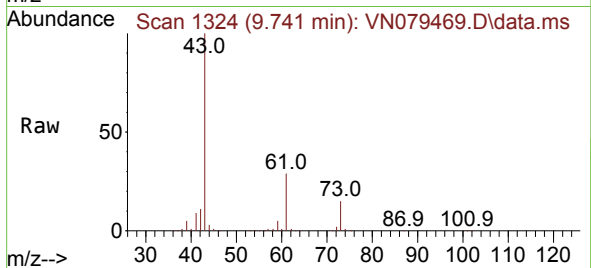
ClientSampleId :

Tgt Ion: 63 Resp: 2229

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.260 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

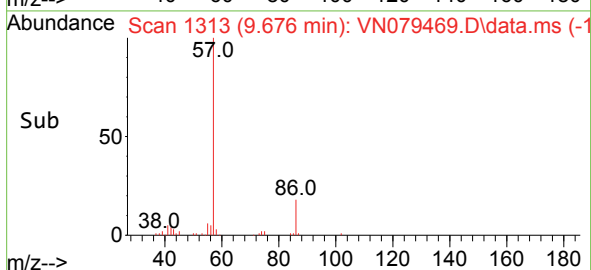
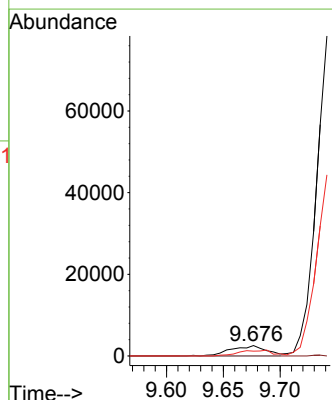
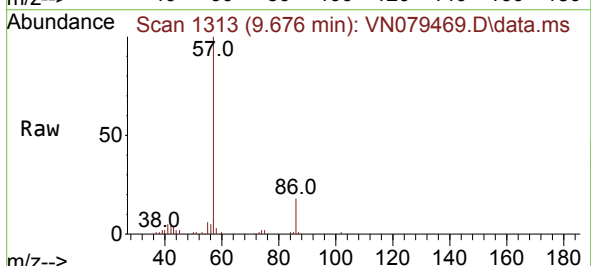
Tgt Ion: 41 Resp: 5534

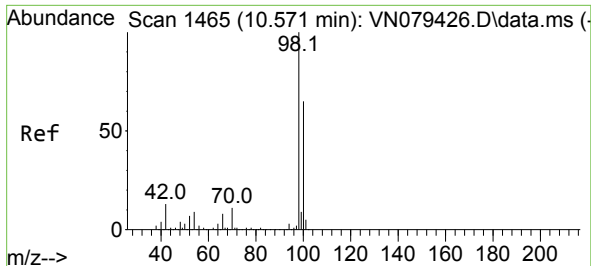
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 52.8 54.6 81.8#

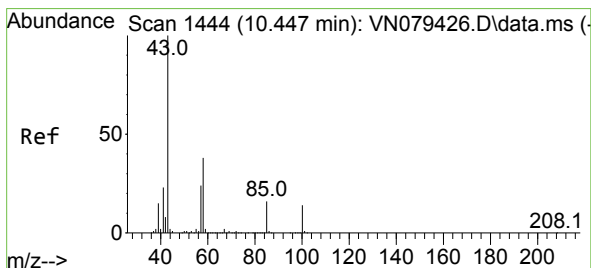
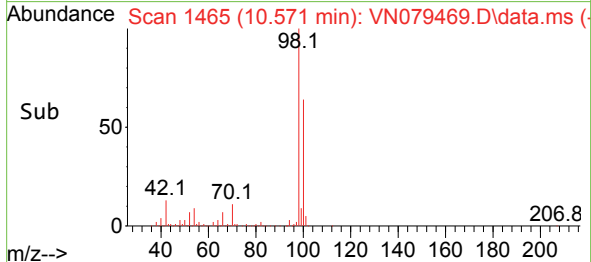
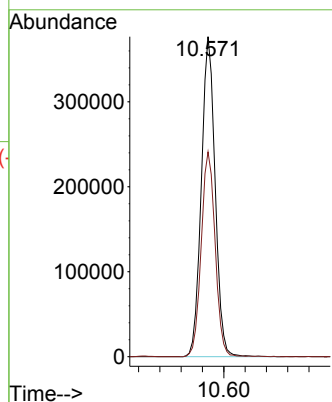
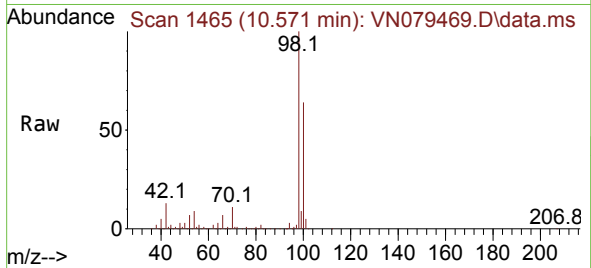




#50
Toluene-d8
Concen: 47.707 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

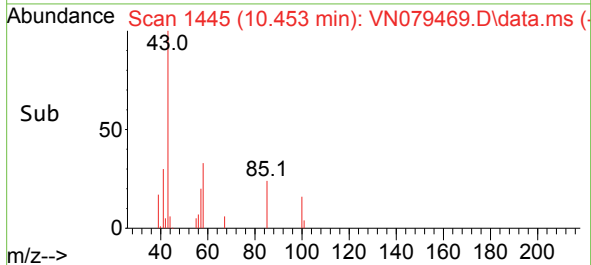
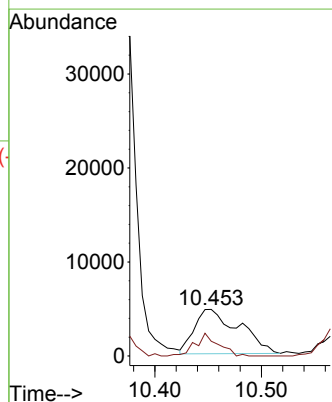
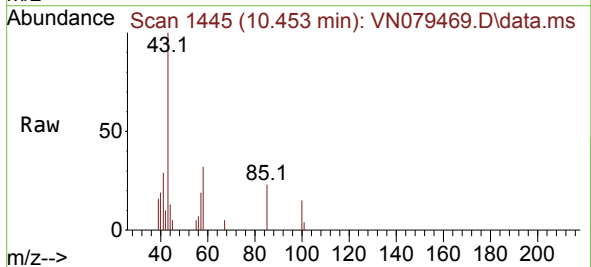
Instrument :
MSVOA_N
ClientSampleId :

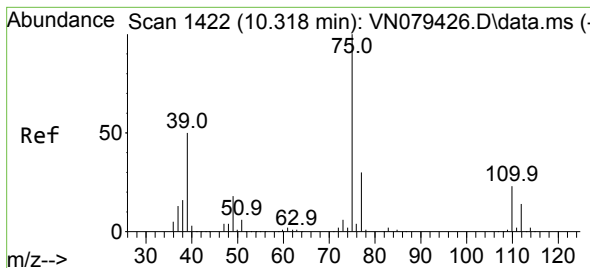
Tgt Ion: 98 Resp: 676216
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.381 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 43 Resp: 13778
Ion Ratio Lower Upper
43 100
58 26.3 36.6 54.8#

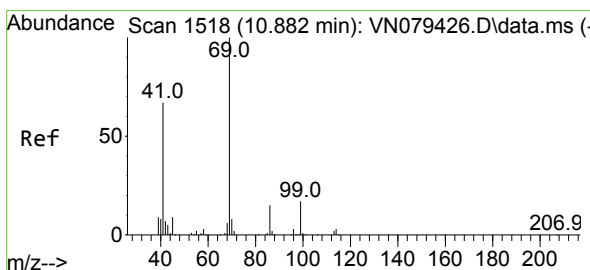
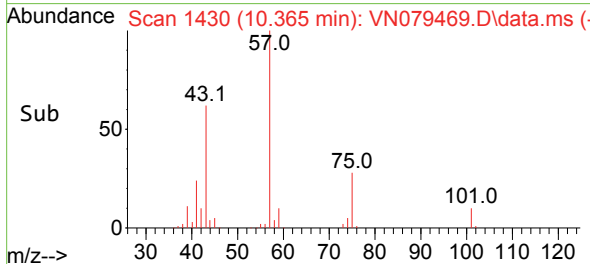
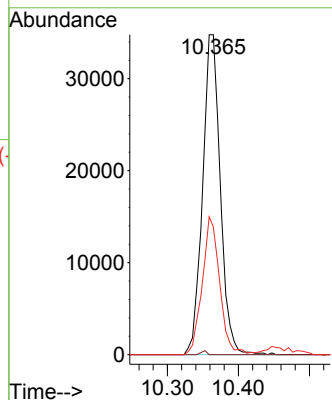
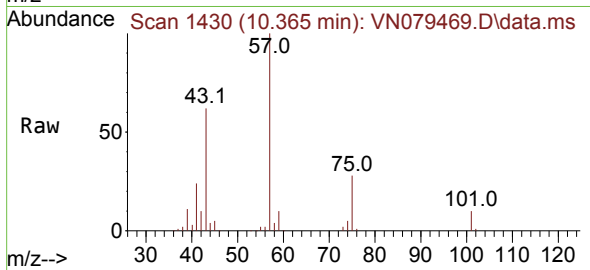




#54
 cis-1,3-Dichloropropene
 Concen: 8.949 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079469.D
 Acq: 09 Oct 2023 13:59

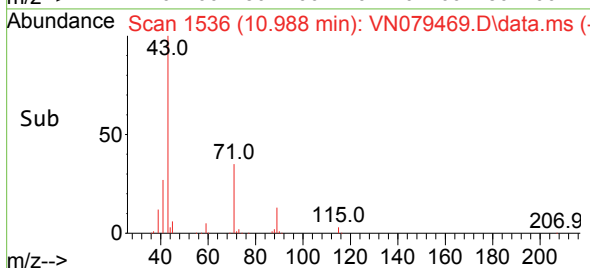
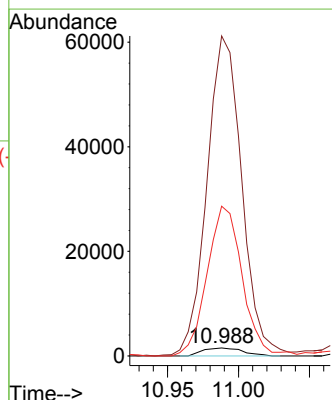
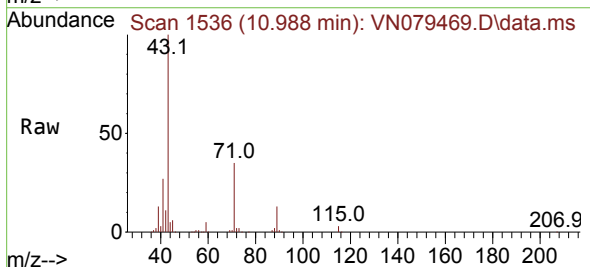
Instrument :
 MSVOA_N
 ClientSampleId :

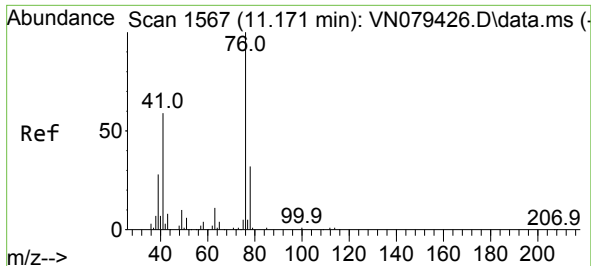
Tgt Ion: 75 Resp: 60506
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 39.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.535 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079469.D
 Acq: 09 Oct 2023 13:59

Tgt Ion: 69 Resp: 3036
 Ion Ratio Lower Upper
 69 100
 41 3450.4 39.6 59.4#
 39 1623.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.066 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

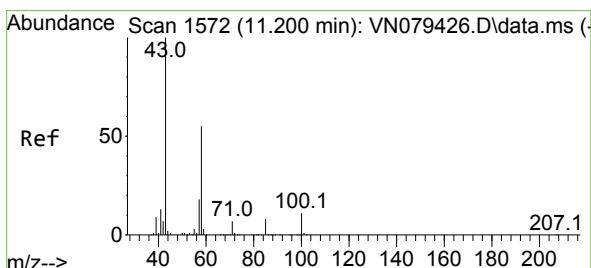
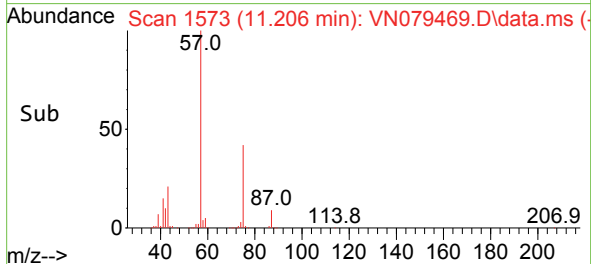
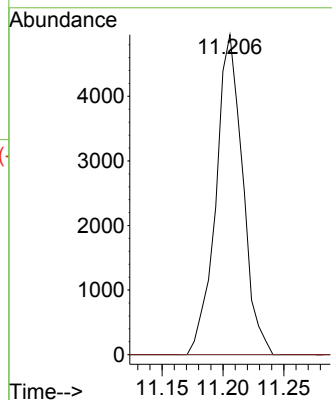
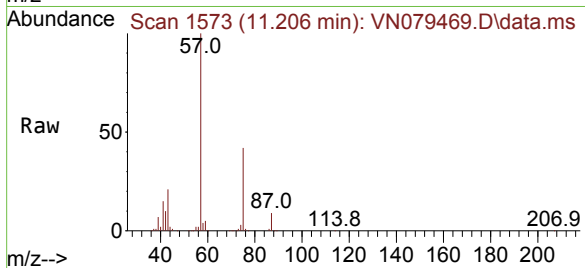
ClientSampleId :

Tgt Ion: 76 Resp: 7596

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.039 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079469.D

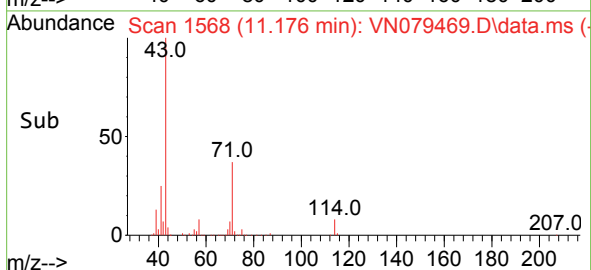
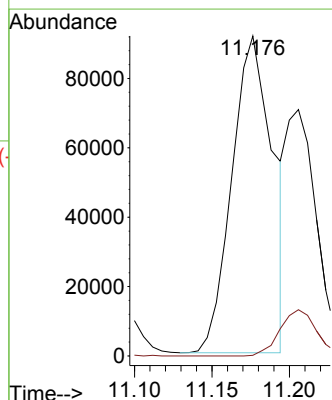
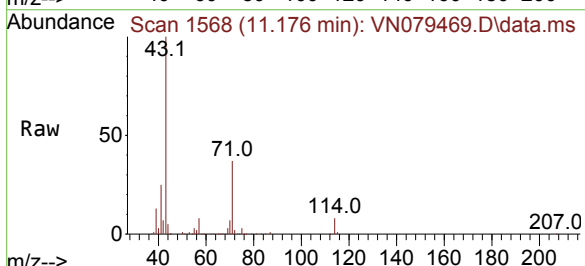
Acq: 09 Oct 2023 13:59

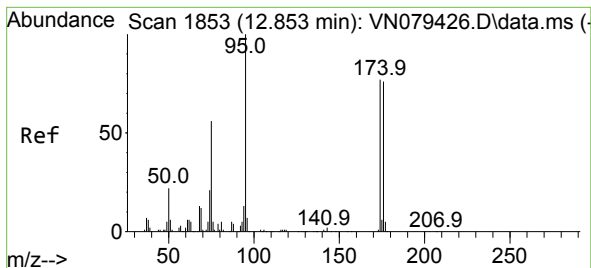
Tgt Ion: 43 Resp: 167165

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

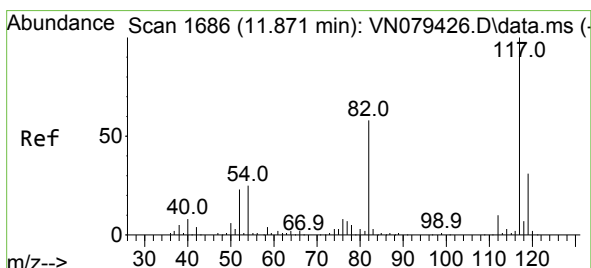
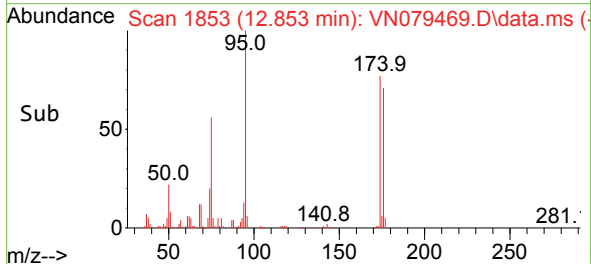
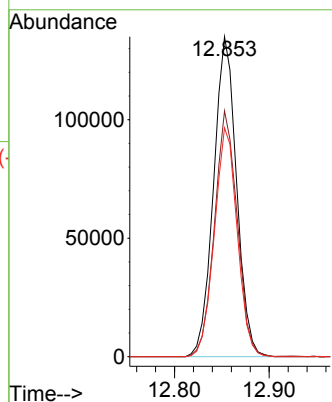
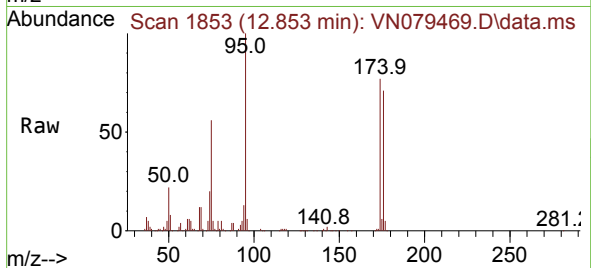




#62
4-Bromofluorobenzene
Concen: 50.001 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

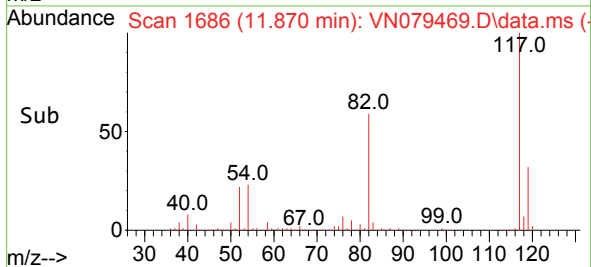
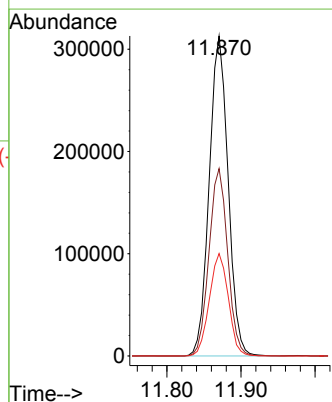
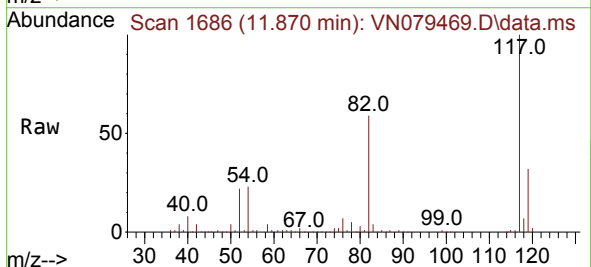
Instrument :
MSVOA_N
ClientSampleId :

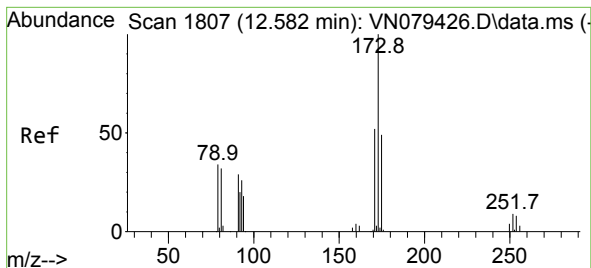
Tgt Ion: 95 Resp: 227443
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 117 Resp: 553813
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.539 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

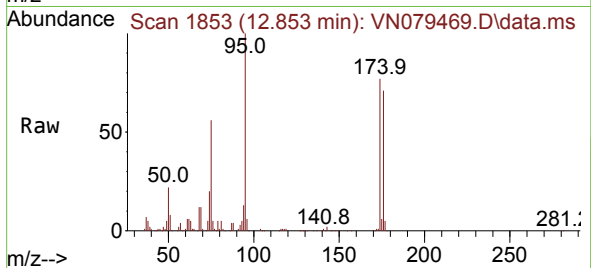
Lab File: VN079469.D

Acq: 09 Oct 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :



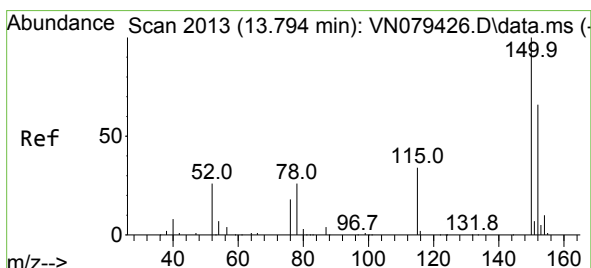
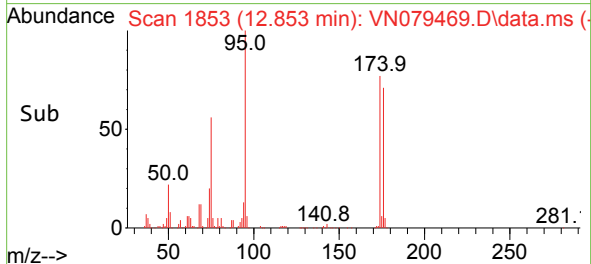
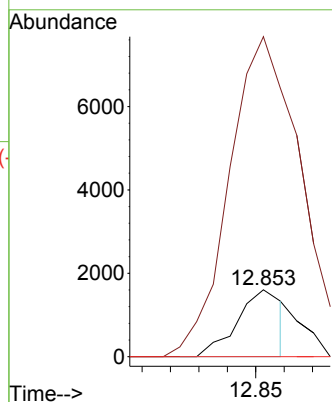
Tgt Ion:173 Resp: 1780

Ion Ratio Lower Upper

173 100

175 560.7 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: VN079469.D

Acq: 09 Oct 2023 13:59

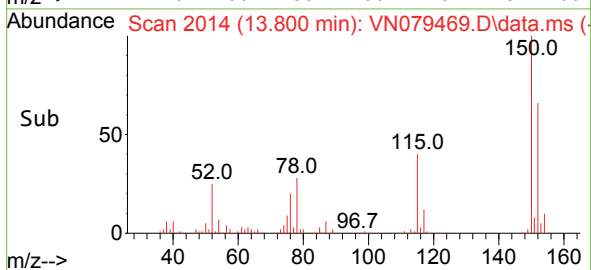
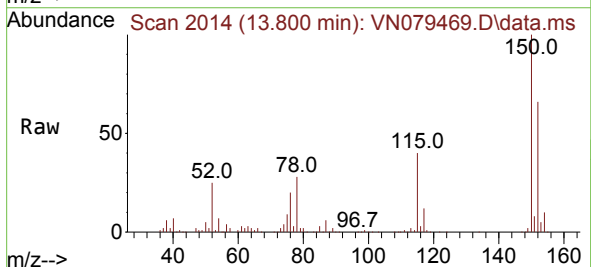
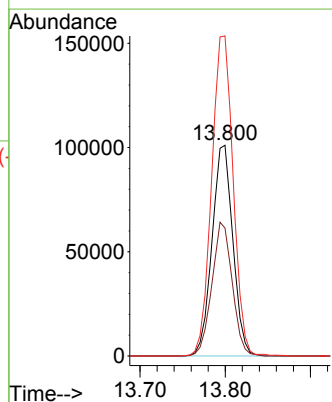
Tgt Ion:152 Resp: 171782

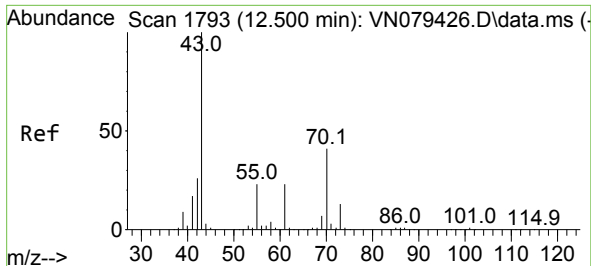
Ion Ratio Lower Upper

152 100

115 61.9 32.3 96.8

150 156.7 0.0 355.8

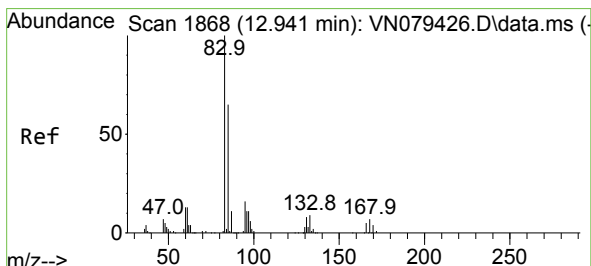
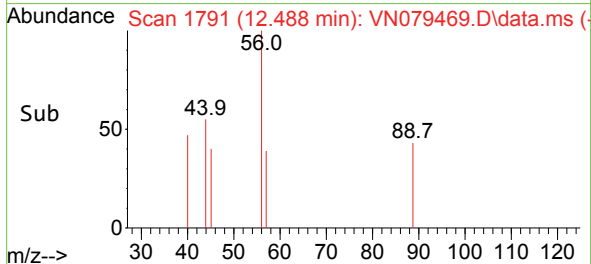
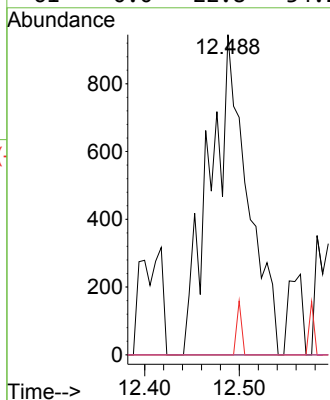
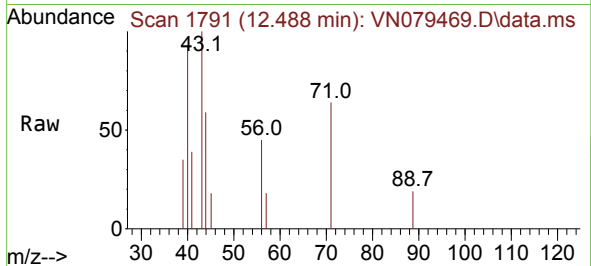




#74
N-amy1 acetate
Concen: 0.403 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

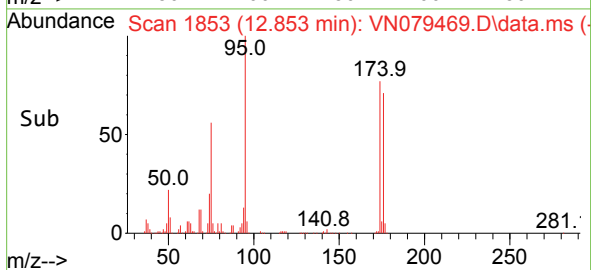
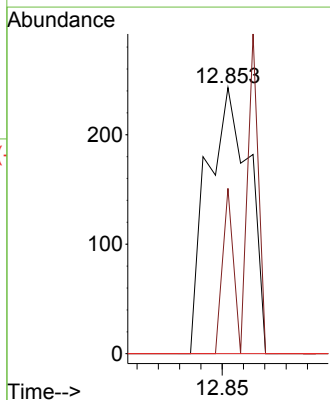
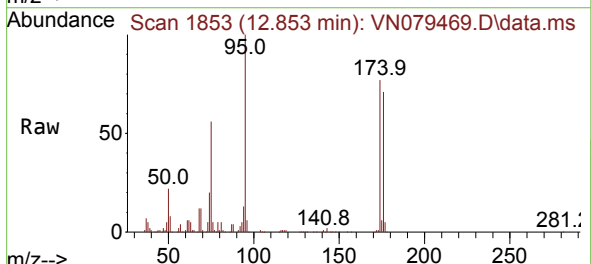
Instrument :
MSVOA_N
ClientSampleId :

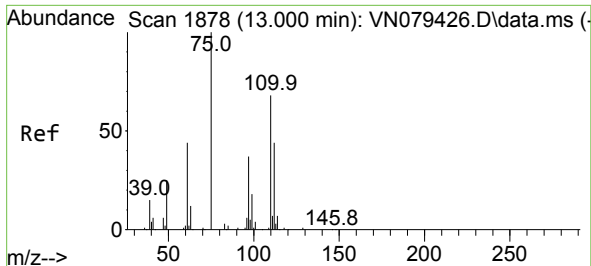
Tgt Ion: 43	Resp: 2638
Ion Ratio	Lower Upper
43	100
70	0.0 43.4 65.2#
55	2.1 21.4 32.0#
61	0.0 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 83	Resp: 332
Ion Ratio	Lower Upper
83	100
131	47.0 5.0 15.0#
85	0.0 31.9 95.7#

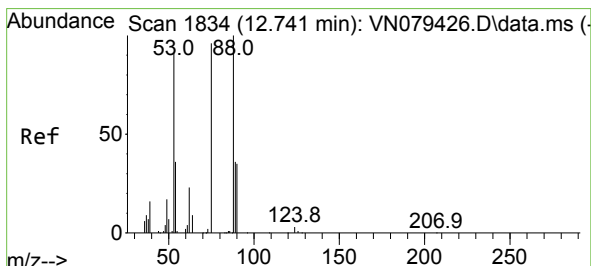
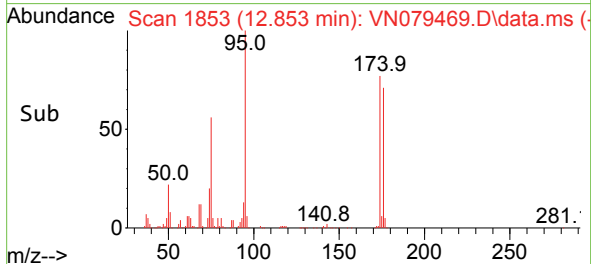
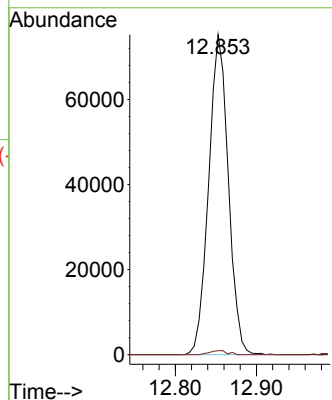
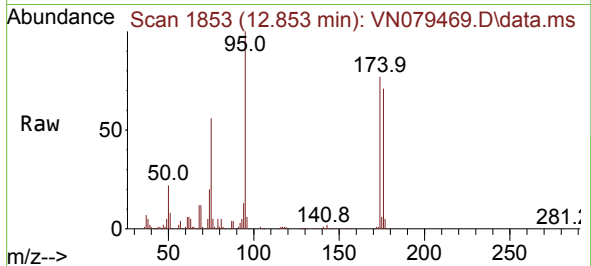




#76
1,2,3-Trichloropropane
Concen: 25.529 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 126442
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.073 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079469.D
Acq: 09 Oct 2023 13:59

Tgt Ion: 75 Resp: 126442
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

