

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079458.D
 Acq On : 06 Oct 2023 19:32
 Operator : JC\MD
 Sample : 04765-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:08:28 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)

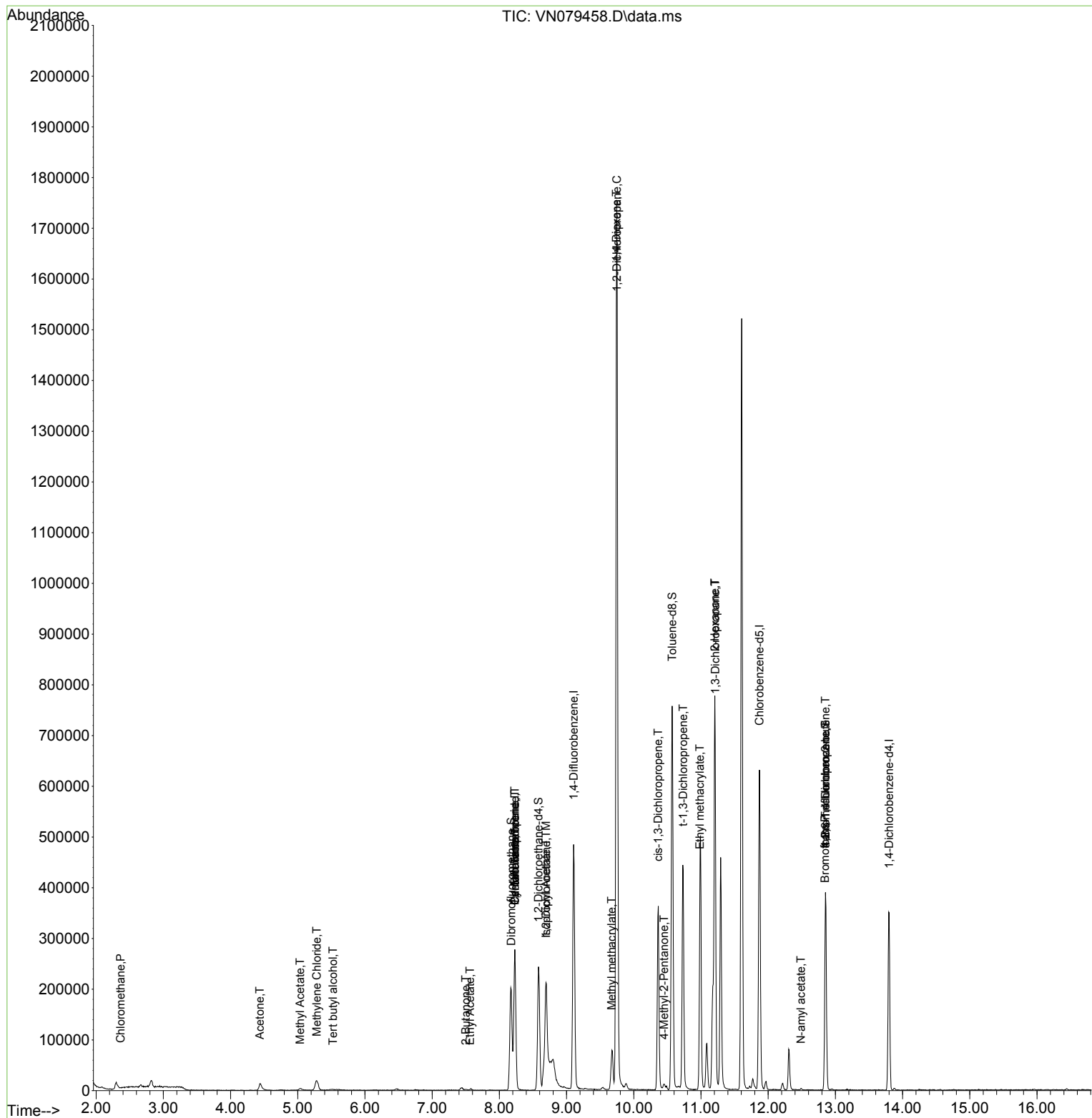
Internal Standards						
1) Pentafluorobenzene	8.230	168	182932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	351054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	94078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	193914	65.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 130.760%#			
35) Dibromofluoromethane	8.177	113	147514	52.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.571	98	505826	49.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.853	95	128299	38.986	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 77.980%#			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	657	0.201	ug/l #	1
11) Tert butyl alcohol	5.524	59	350	0.784	ug/l #	72
16) Acetone	4.436	43	25118	21.351	ug/l	92
18) Methyl Acetate	5.036	43	6259	1.087	ug/l #	62
20) Methylene Chloride	5.283	84	15350	5.421	ug/l #	77
25) 2-Butanone	7.500	43	3252	1.862	ug/l #	86
31) Cyclohexane	8.230	56	5034	1.196	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	18094	4.254	ug/l #	45
37) Ethyl Acetate	7.565	43	1261	0.298	ug/l #	81
38) Carbon Tetrachloride	8.230	117	20506	4.816	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	1893	0.412	ug/l #	73
43) Isopropyl Acetate	8.694	43	294404	39.704	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	2224	0.668	ug/l #	45
48) Methyl methacrylate	9.671	41	5508	1.733	ug/l #	31
49) 1,4-Dioxane	9.741	88	175	2.990	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	6467	1.545	ug/l	100
53) t-1,3-Dichloropropene	10.735	75	1217	0.272	ug/l	98
54) cis-1,3-Dichloropropene	10.365	75	60291	12.325	ug/l #	70
56) Ethyl methacrylate	10.982	69	3210	0.783	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	7979	1.548	ug/l #	42
59) 2-Hexanone	11.206	43	101351	33.555	ug/l #	47
71) Bromoform	12.847	173	1221	0.583	ug/l #	28
74) N-amyl acetate	12.488	43	2290	0.638	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	74467	27.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74467	79.656	ug/l #	15

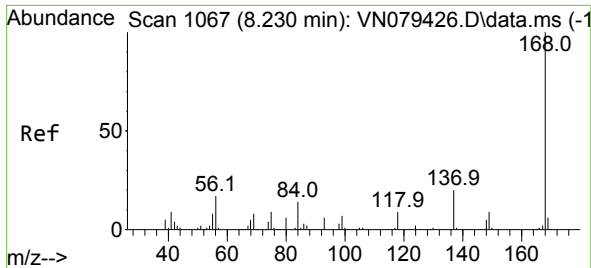
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
Data File : VN079458.D
Acq On : 06 Oct 2023 19:32
Operator : JC\MD
Sample : 04765-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

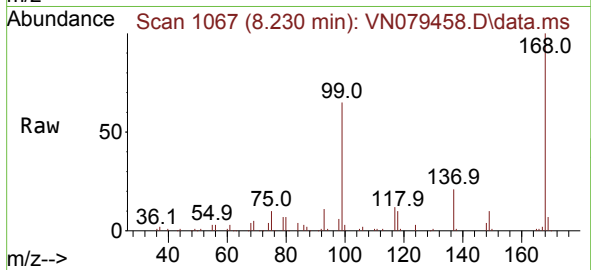
Quant Time: Oct 06 23:08:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



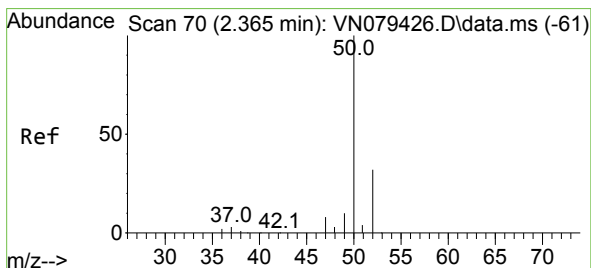
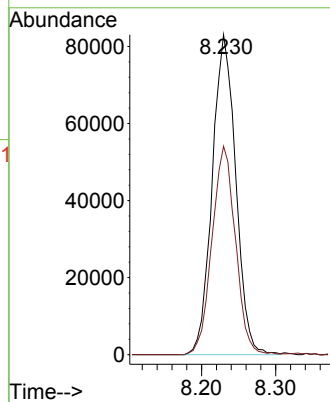
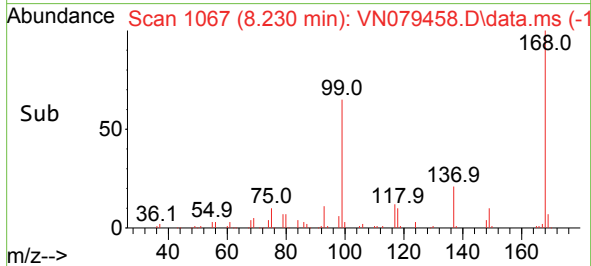


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

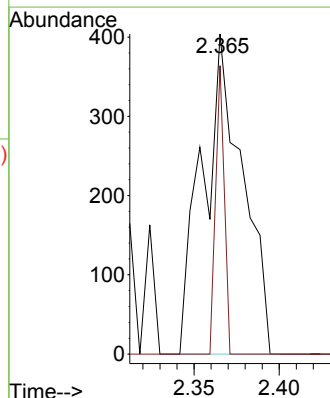
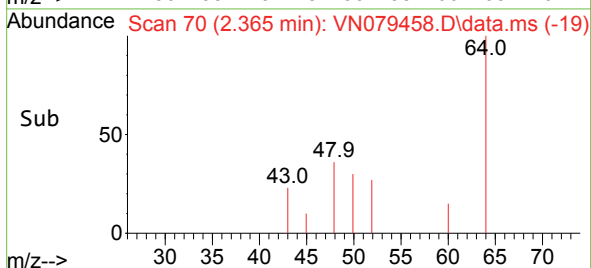
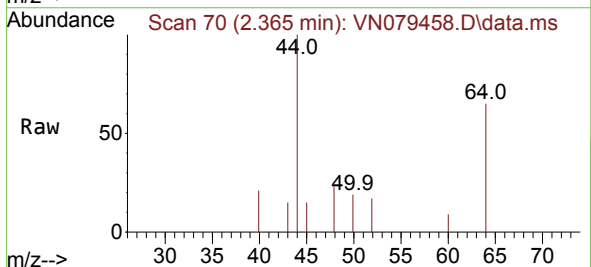


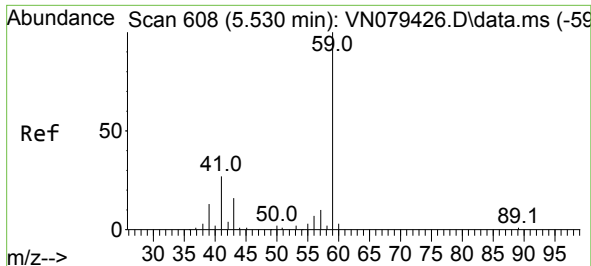
Tgt Ion:168 Resp: 182932
Ion Ratio Lower Upper
168 100
99 65.1 53.0 79.6



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

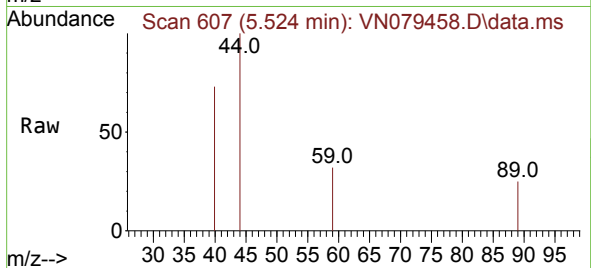
Tgt Ion: 50 Resp: 657
Ion Ratio Lower Upper
50 100
52 90.1 26.5 39.7#



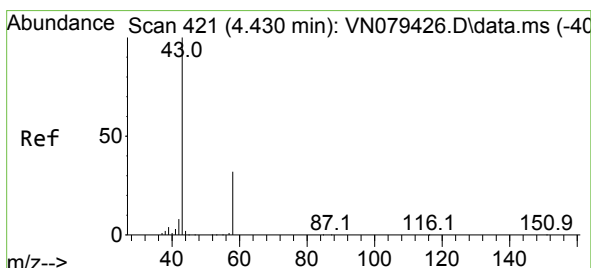
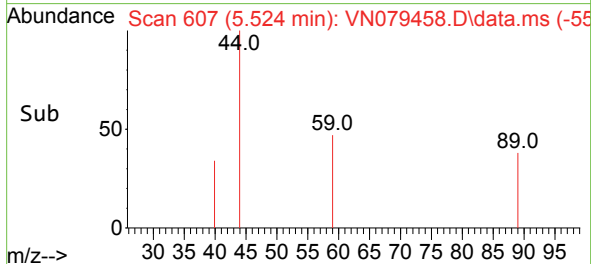
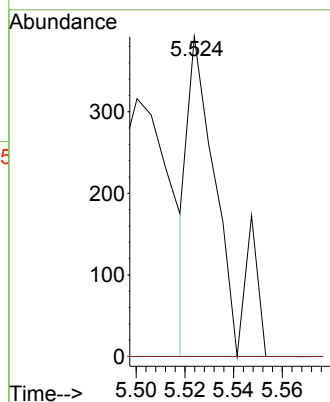


#11
Tert butyl alcohol
Concen: 0.784 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

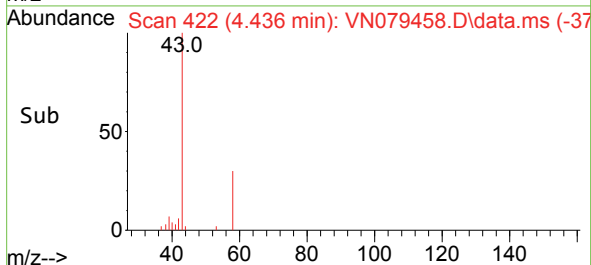
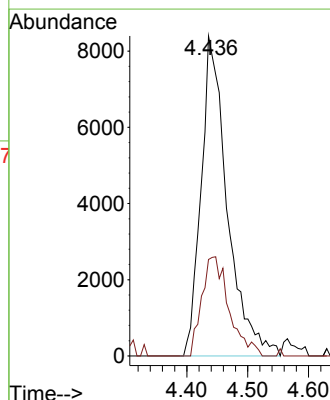
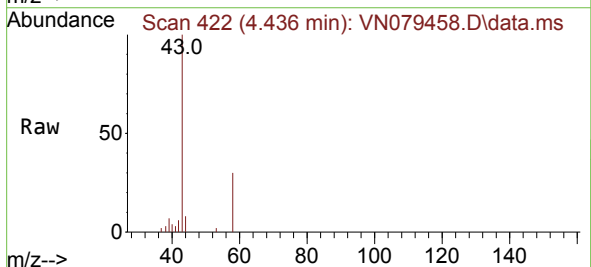


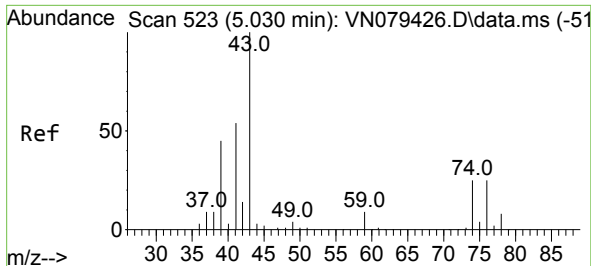
Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 21.351 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 43 Resp: 25118
Ion Ratio Lower Upper
43 100
58 30.1 28.0 42.0

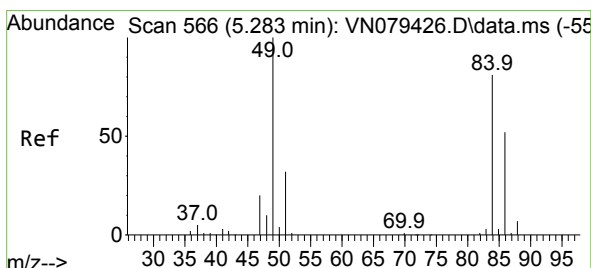
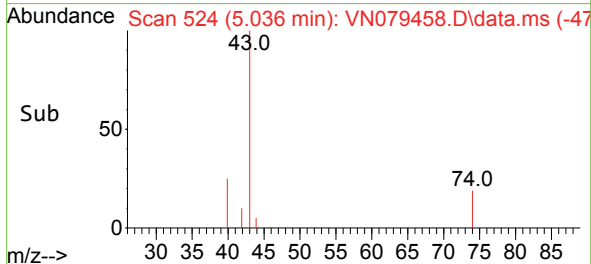
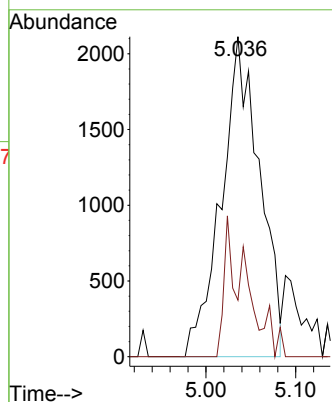
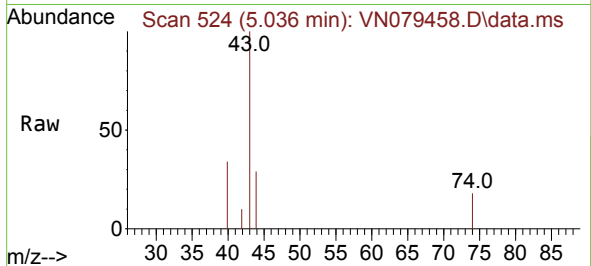




#18
Methyl Acetate
Concen: 1.087 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

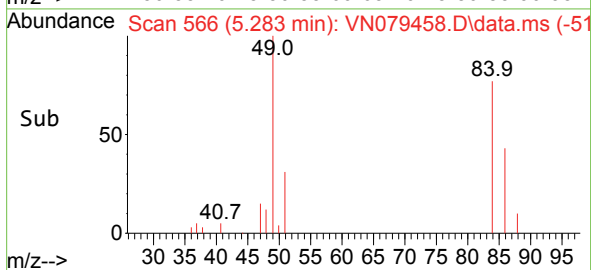
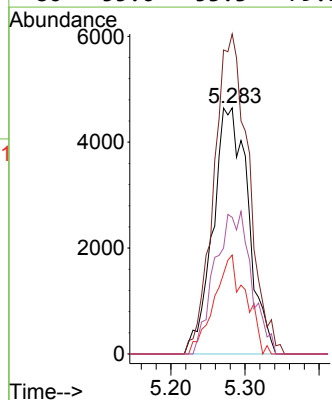
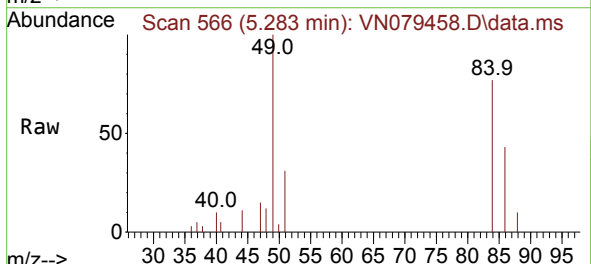
Instrument :
MSVOA_N
ClientSampleId :

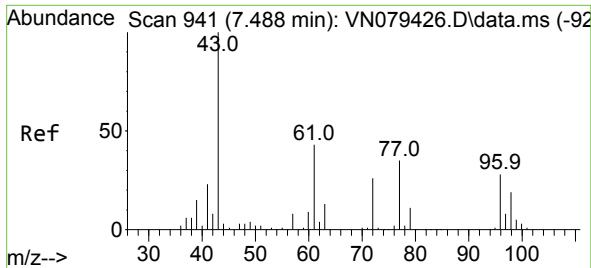
Tgt Ion: 43 Resp: 6259
Ion Ratio Lower Upper
43 100
74 11.5 26.2 39.4#



#20
Methylene Chloride
Concen: 5.421 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 84 Resp: 15350
Ion Ratio Lower Upper
84 100
49 130.1 79.7 119.5#
51 40.2 25.2 37.8#
86 55.6 53.3 79.9

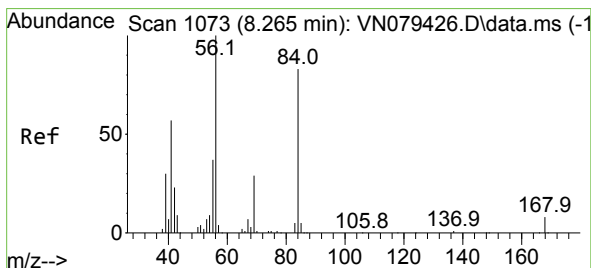
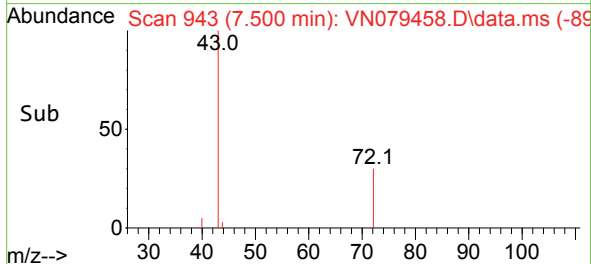
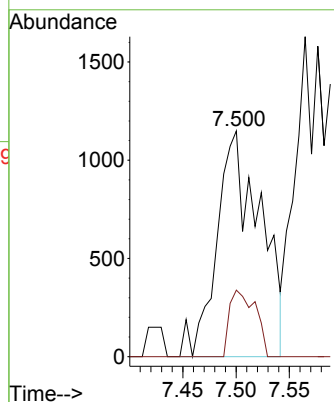
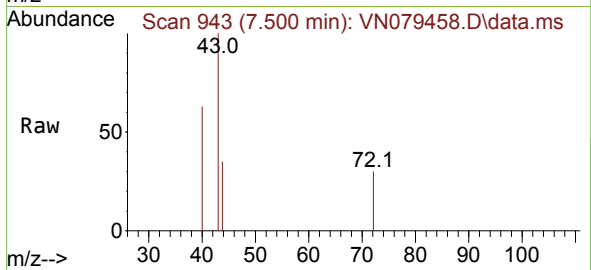




#25
2-Butanone
Concen: 1.862 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

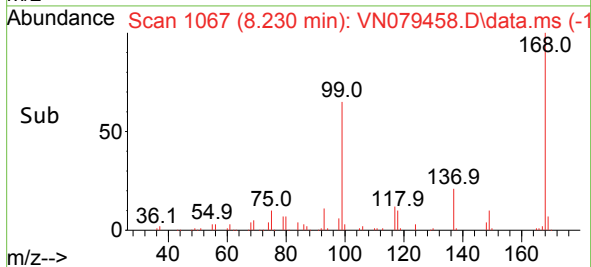
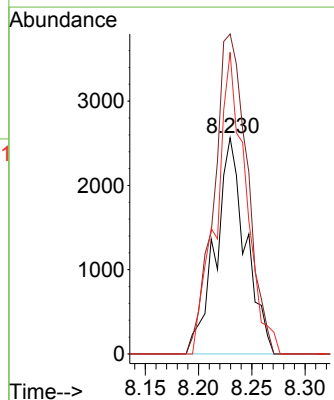
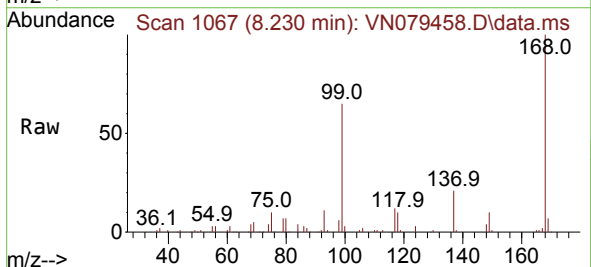
Instrument :
MSVOA_N
ClientSampleId :

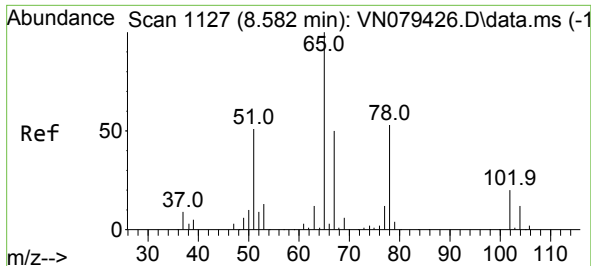
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
72 29.5 30.2 45.2#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 56 Resp: 5034
Ion Ratio Lower Upper
56 100
69 148.0 26.8 40.2#
84 139.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 65.377 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

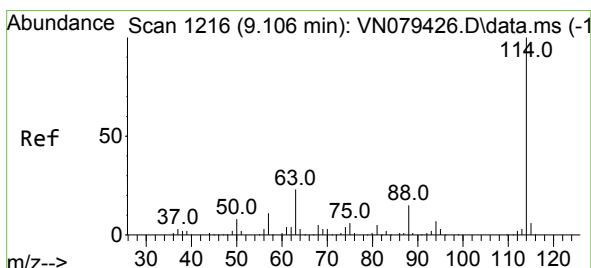
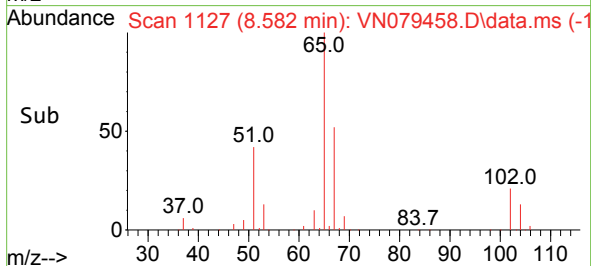
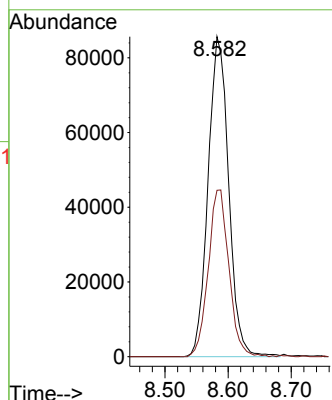
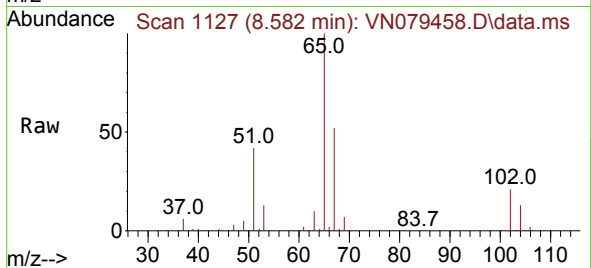
ClientSampleId :

Tgt Ion: 65 Resp: 193914

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: VN079458.D

Acq: 06 Oct 2023 19:32

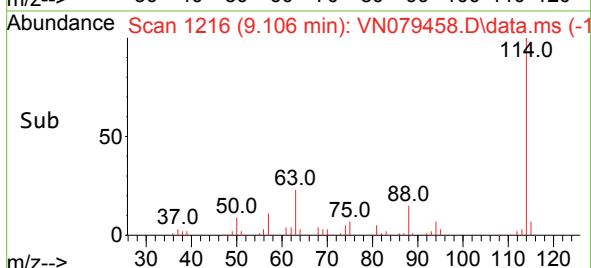
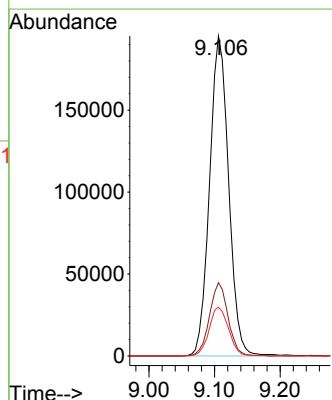
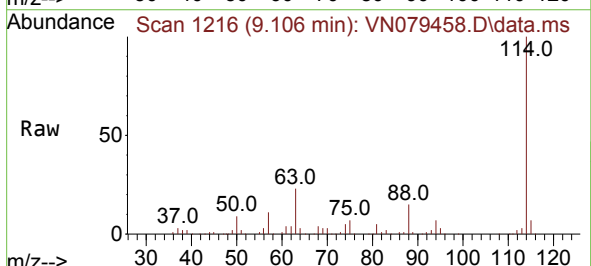
Tgt Ion: 114 Resp: 394367

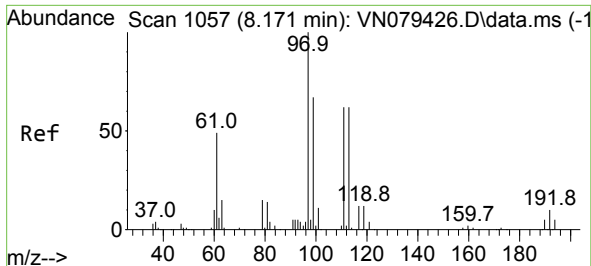
Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.050 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

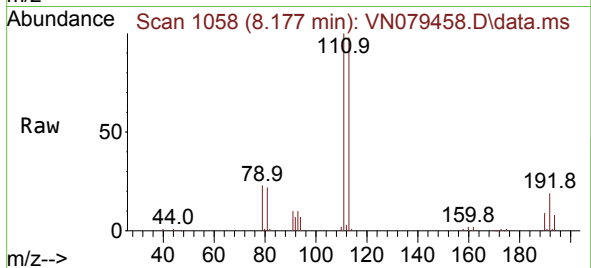
Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :



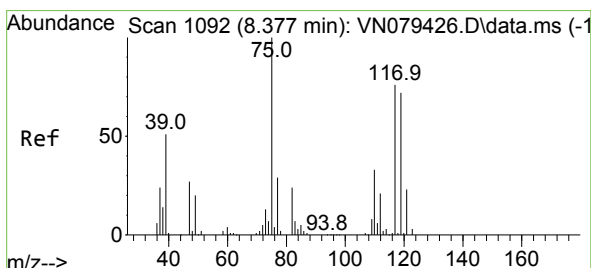
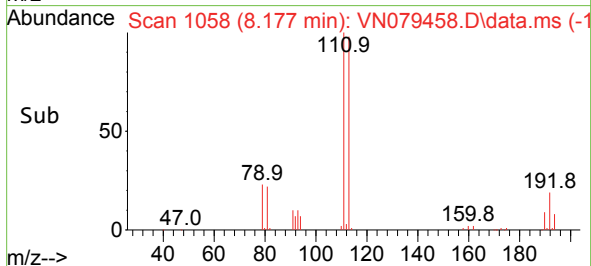
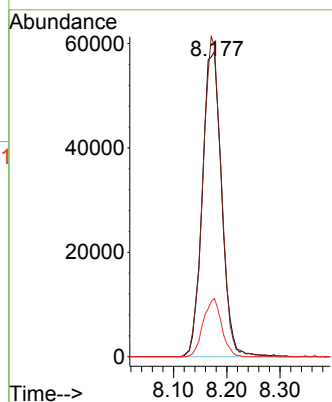
Tgt Ion:113 Resp: 147514

Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 18.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.254 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

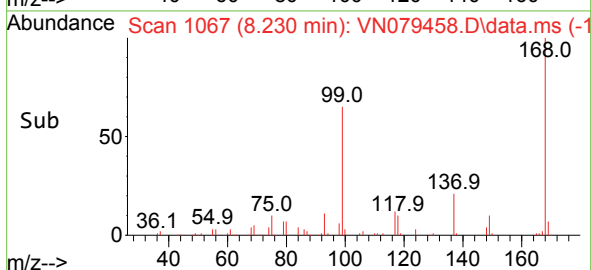
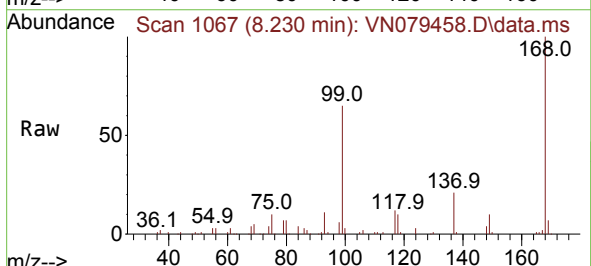
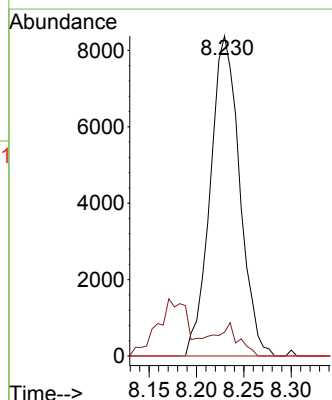
Tgt Ion: 75 Resp: 18094

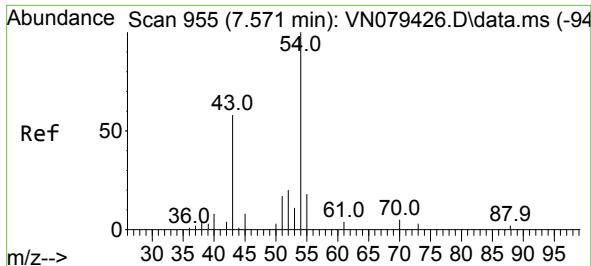
Ion Ratio Lower Upper

75 100

110 5.3 19.1 57.3#

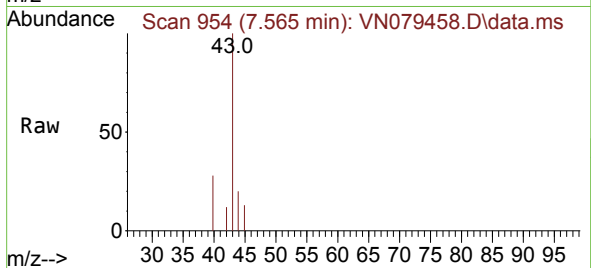
77 0.0 25.0 37.4#



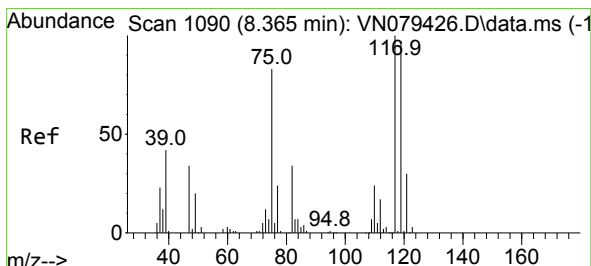
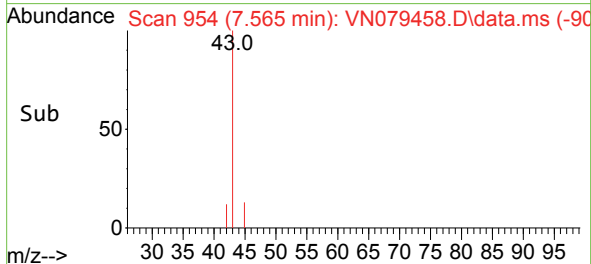
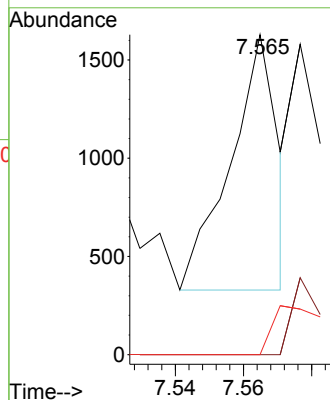


#37
Ethyl Acetate
Concen: 0.298 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

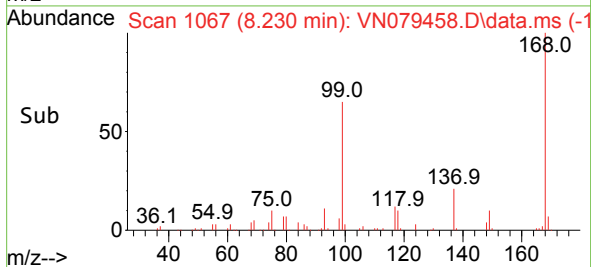
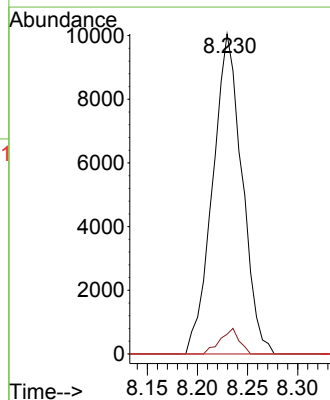
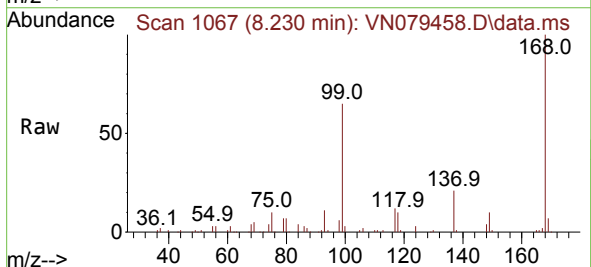


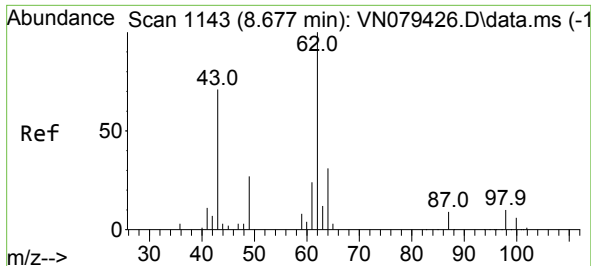
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
61 22.6 13.2 19.8#
70 24.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.816 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 117 Resp: 20506
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.412 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.018 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

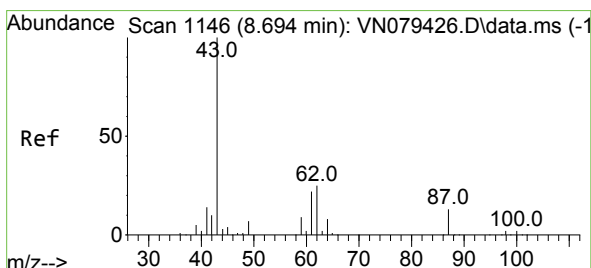
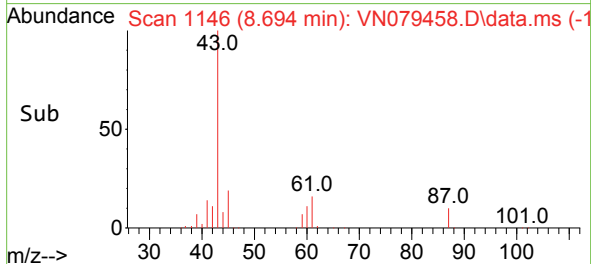
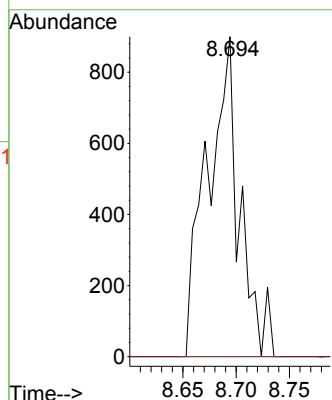
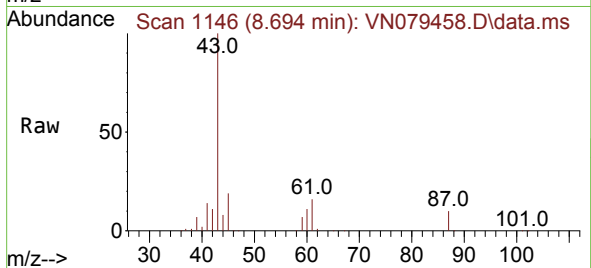
ClientSampleId :

Tgt Ion: 62 Resp: 1893

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.704 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

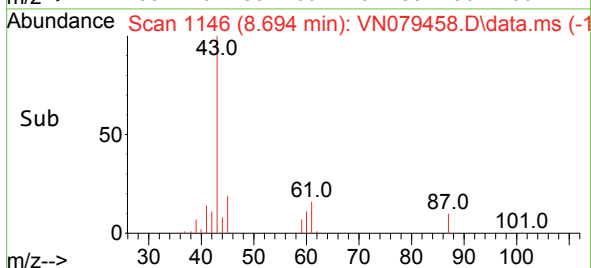
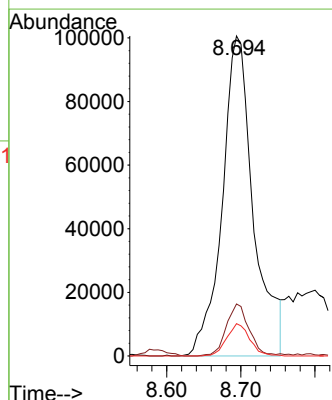
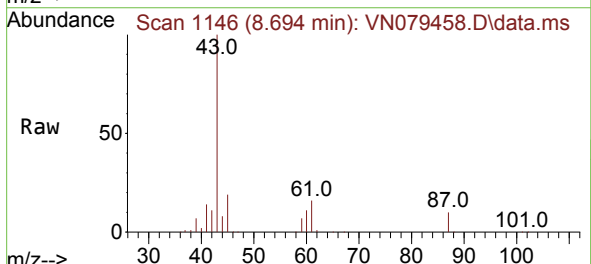
Tgt Ion: 43 Resp: 294404

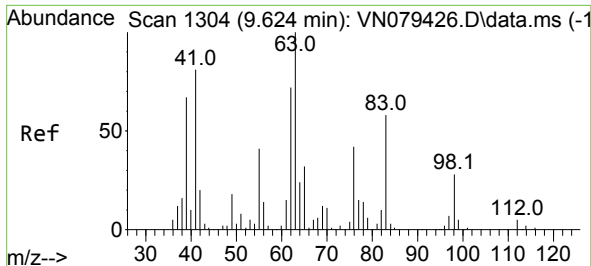
Ion Ratio Lower Upper

43 100

61 11.8 24.7 37.1#

87 7.4 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.668 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

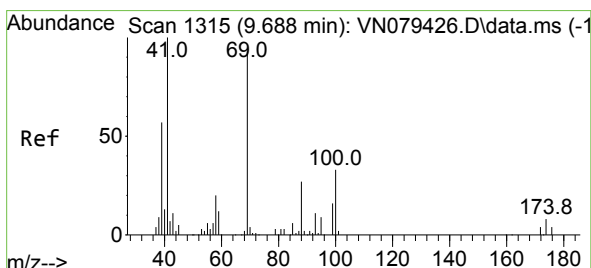
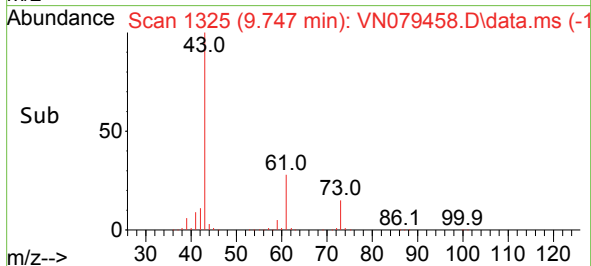
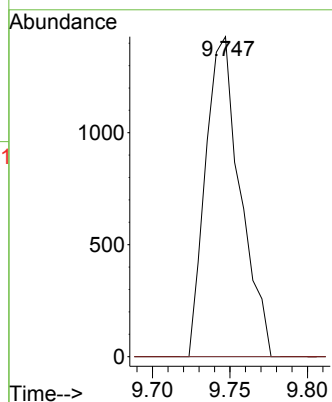
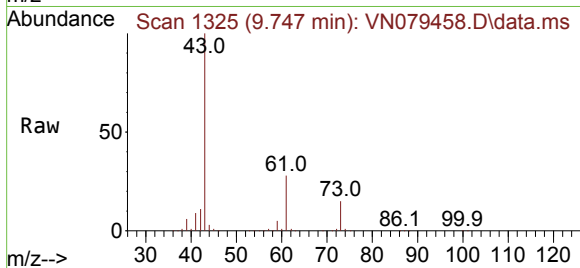
ClientSampleId :

Tgt Ion: 63 Resp: 2224

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.733 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.018 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

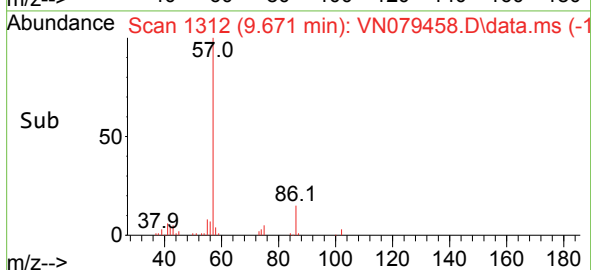
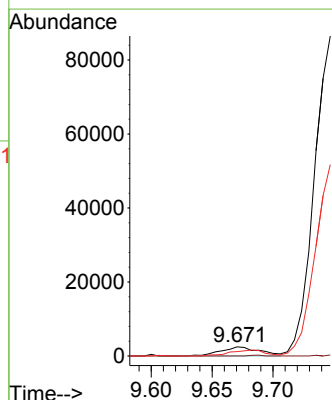
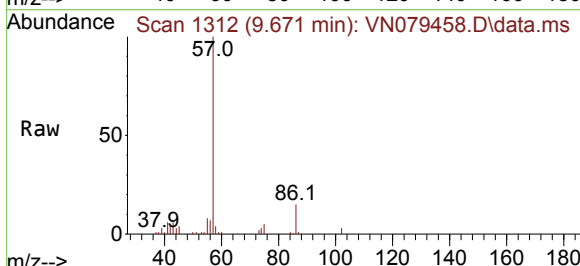
Tgt Ion: 41 Resp: 5508

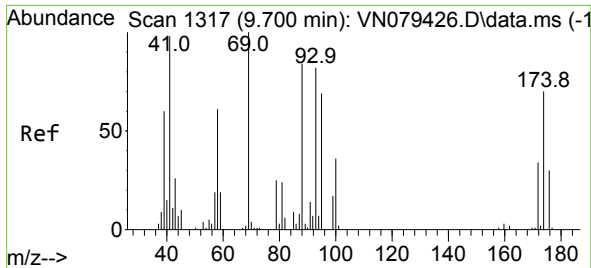
Ion Ratio Lower Upper

41 100

69 2.4 90.4 135.6#

39 58.6 54.6 81.8





#49

1,4-Dioxane

Concen: 2.990 ug/l

RT: 9.741 min Scan# 1317

Delta R.T. 0.041 min

Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

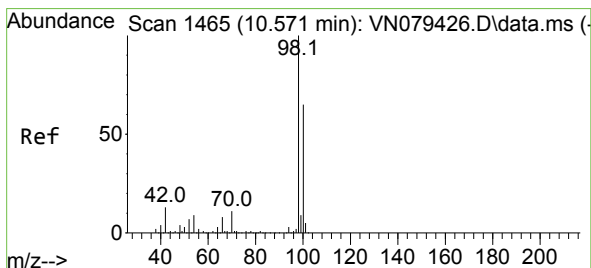
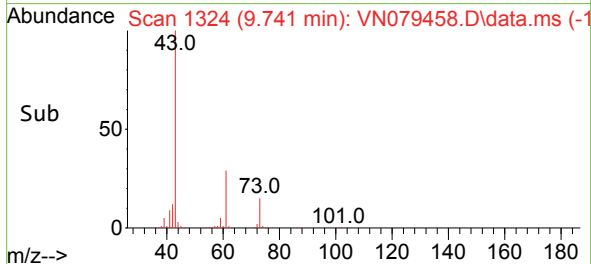
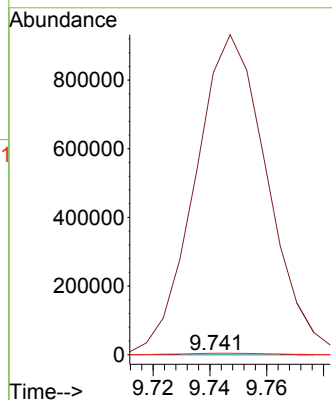
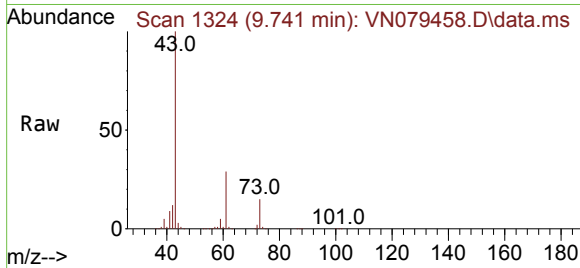
Tgt Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 956201.7 17.0 25.6#

58 5400.6 47.0 70.4#



#50

Toluene-d8

Concen: 49.327 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079458.D

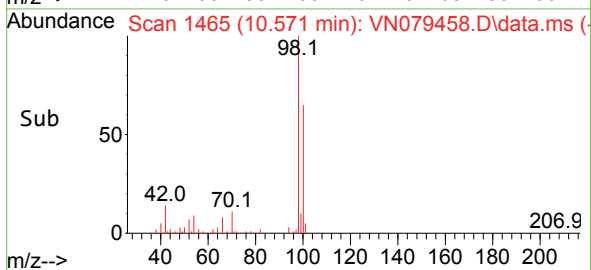
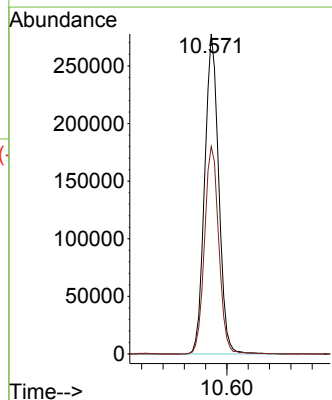
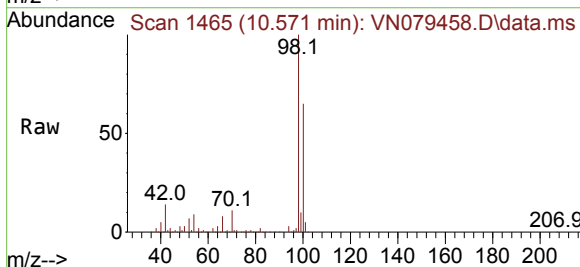
Acq: 06 Oct 2023 19:32

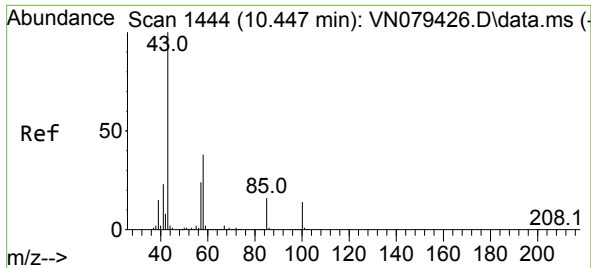
Tgt Ion: 98 Resp: 505826

Ion Ratio Lower Upper

98 100

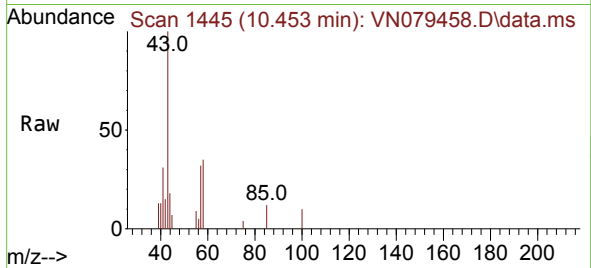
100 66.1 52.0 78.0



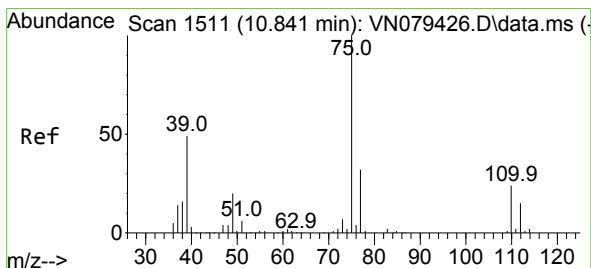
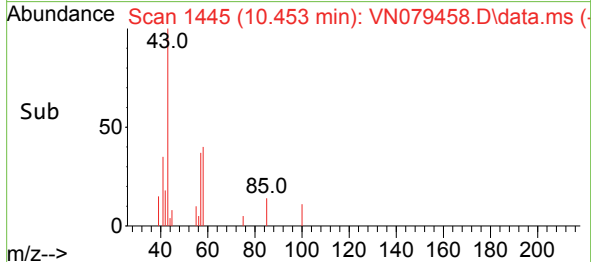
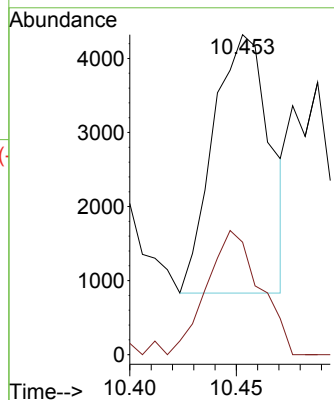


#51
4-Methyl-2-Pentanone
Concen: 1.545 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

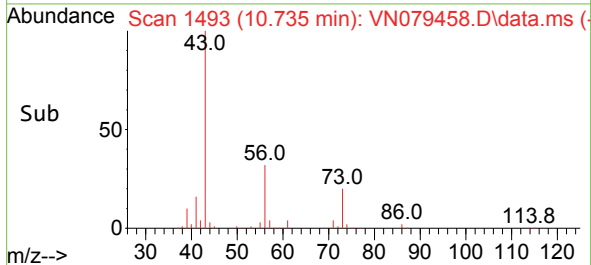
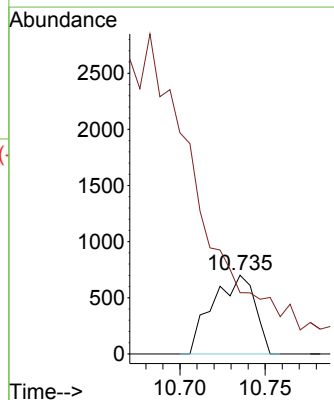
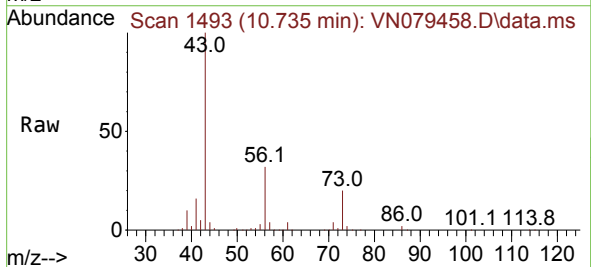


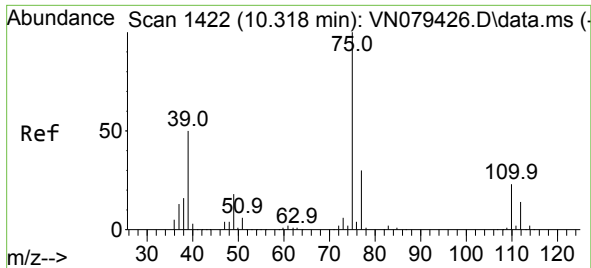
Tgt Ion: 43 Resp: 6467
Ion Ratio Lower Upper
43 100
58 45.9 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.272 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 75 Resp: 1217
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.0

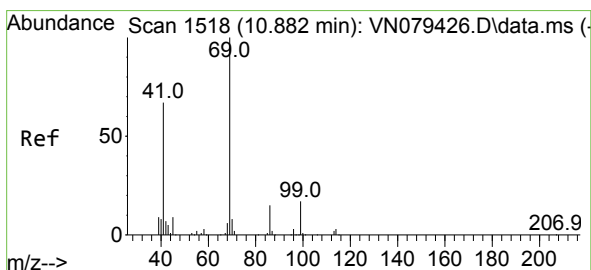
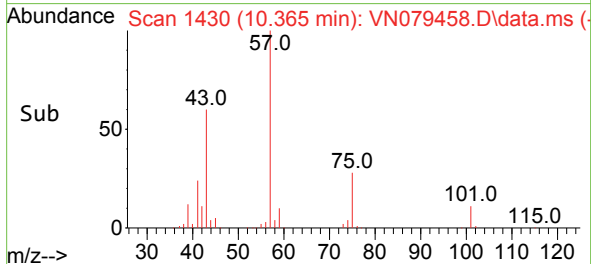
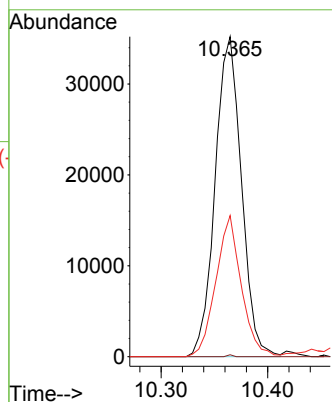
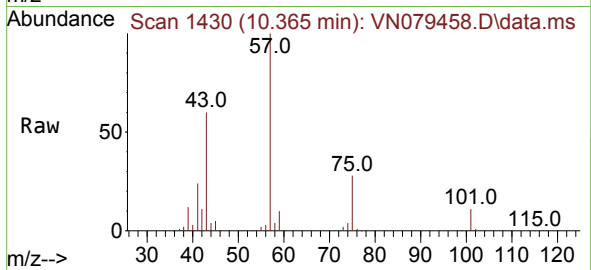




#54
 cis-1,3-Dichloropropene
 Concen: 12.325 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079458.D
 Acq: 06 Oct 2023 19:32

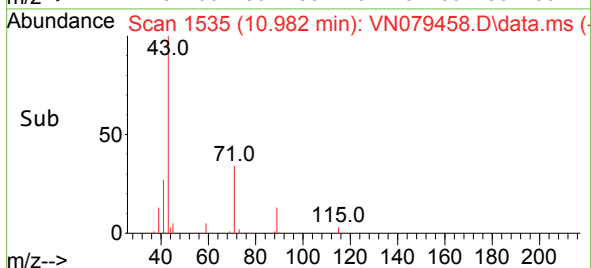
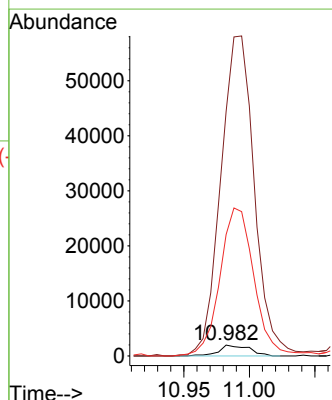
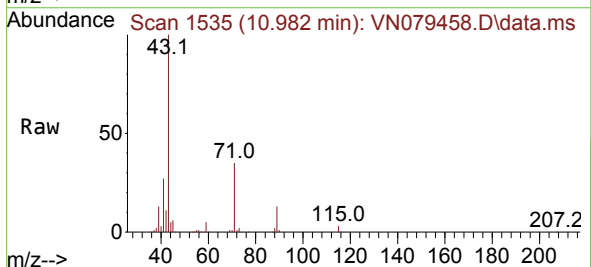
Instrument :
 MSVOA_N
 ClientSampleId :

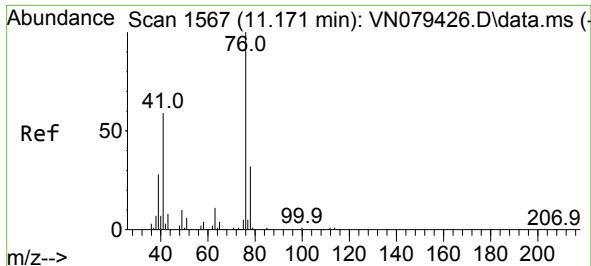
Tgt Ion: 75 Resp: 60291
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 44.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.783 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.100 min
 Lab File: VN079458.D
 Acq: 06 Oct 2023 19:32

Tgt Ion: 69 Resp: 3210
 Ion Ratio Lower Upper
 69 100
 41 3232.3 39.6 59.4#
 39 1523.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.548 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.041 min

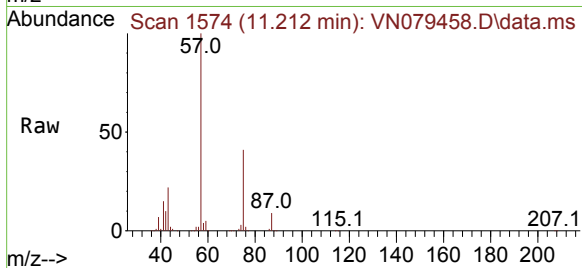
Lab File: VN079458.D

Acq: 06 Oct 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

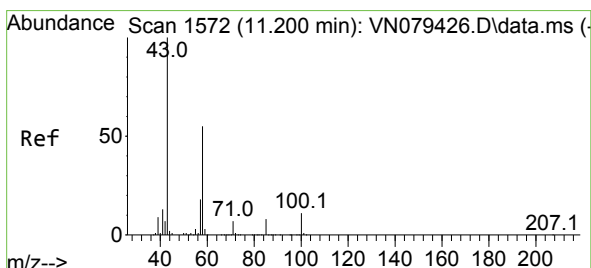
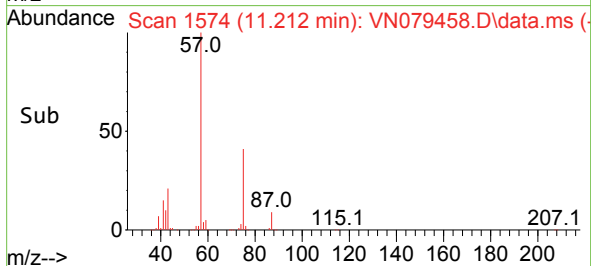
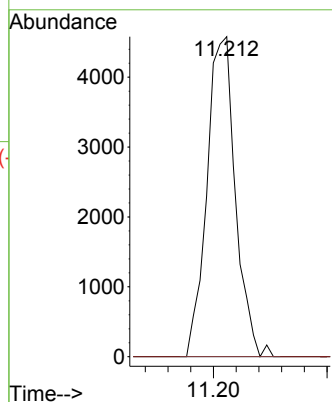


Tgt Ion: 76 Resp: 7979

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 33.555 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079458.D

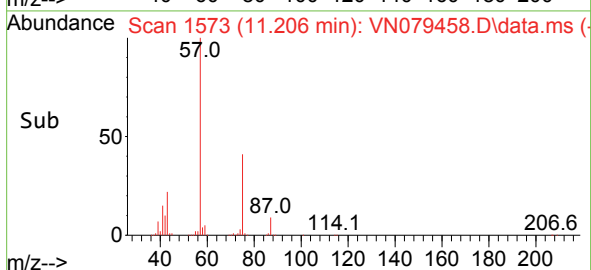
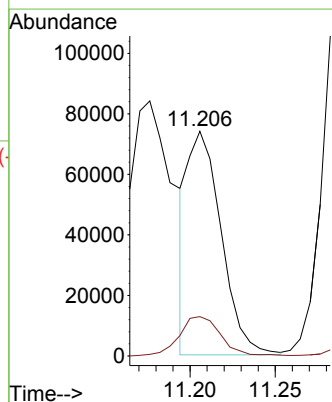
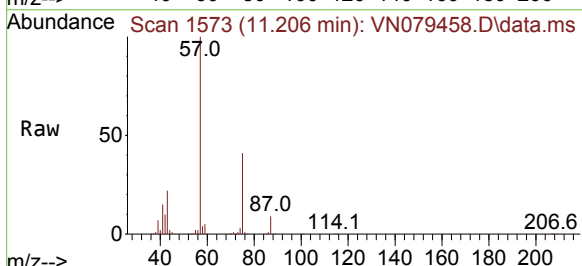
Acq: 06 Oct 2023 19:32

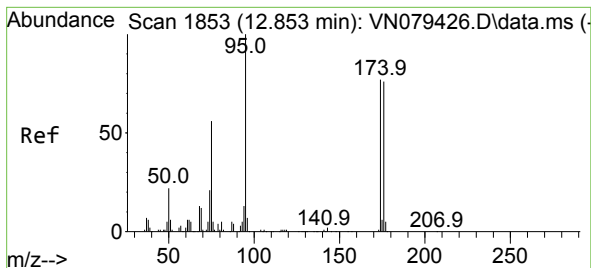
Tgt Ion: 43 Resp: 101351

Ion Ratio Lower Upper

43 100

58 21.9 31.7 95.1#

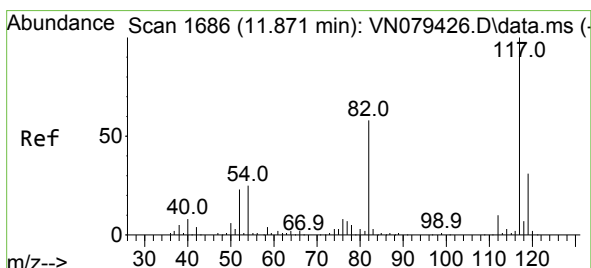
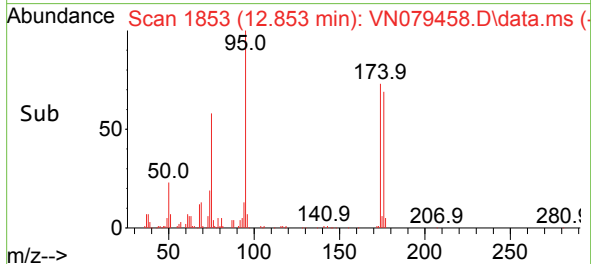
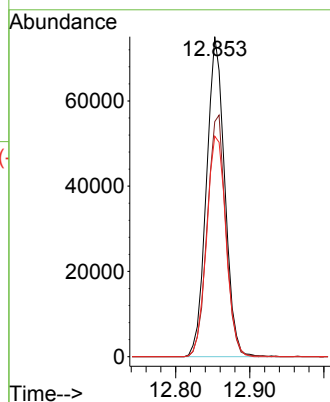
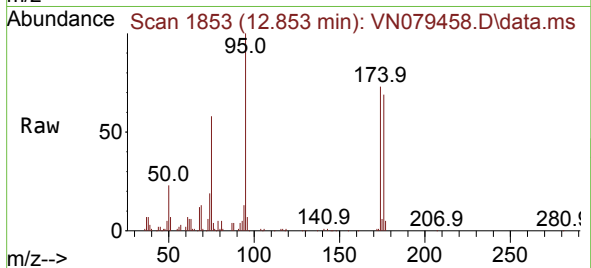




#62
4-Bromofluorobenzene
Concen: 38.986 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

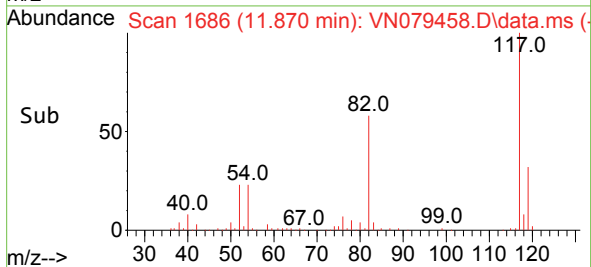
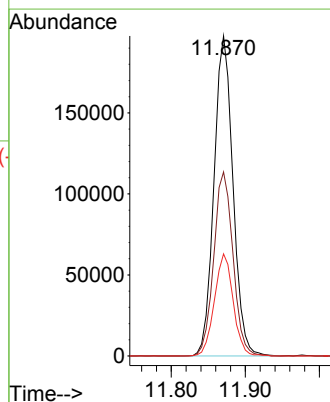
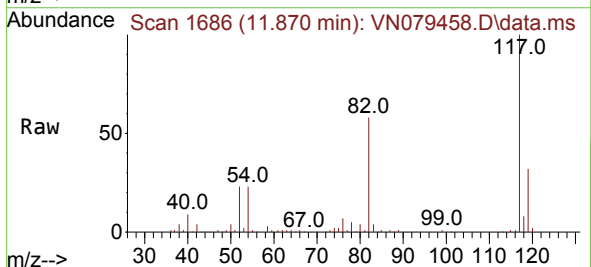
Instrument :
MSVOA_N
ClientSampleId :

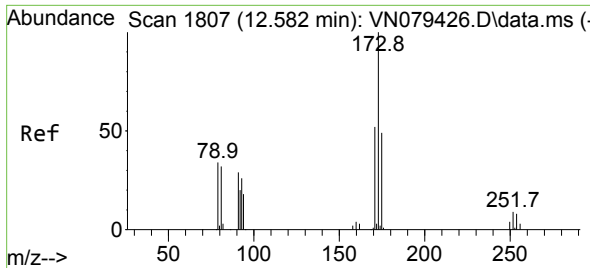
Tgt Ion: 95 Resp: 128299
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Tgt Ion: 117 Resp: 351054
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.9 25.6 38.4

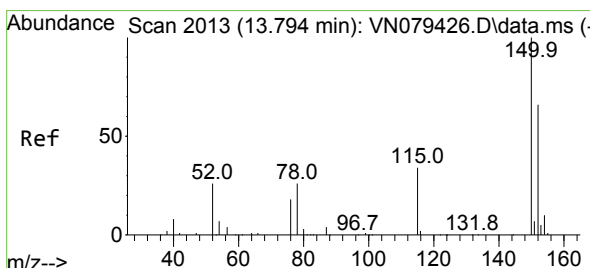
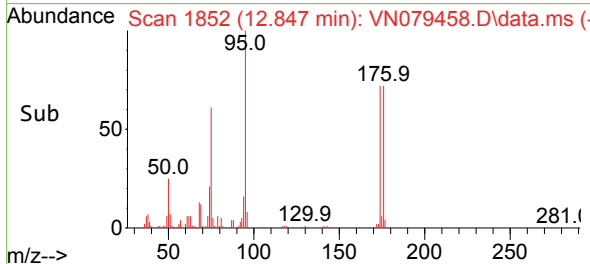
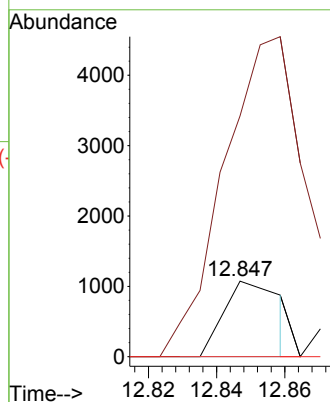
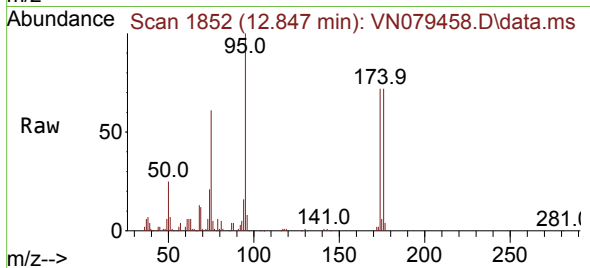




#71
Bromoform
Concen: 0.583 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

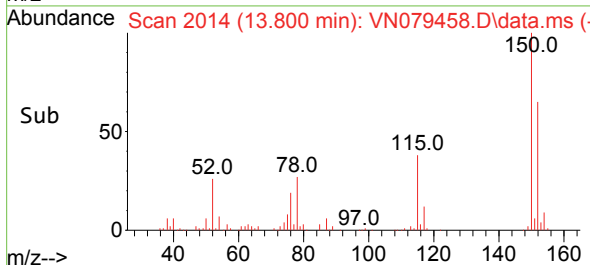
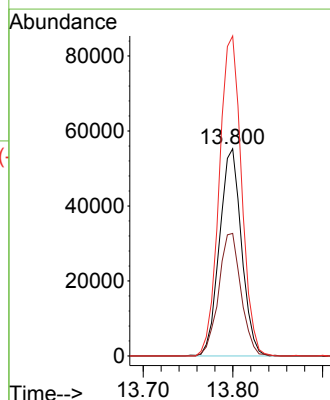
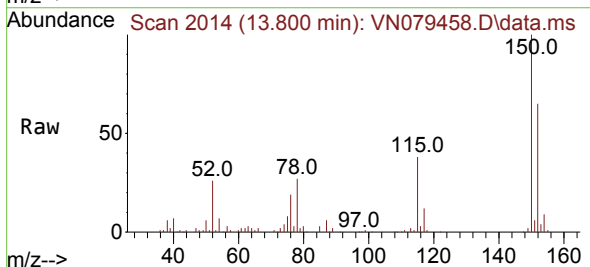
Instrument :
MSVOA_N
ClientSampleId :

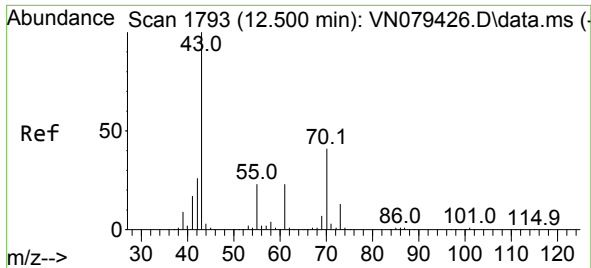
Tgt Ion:173 Resp: 1221
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

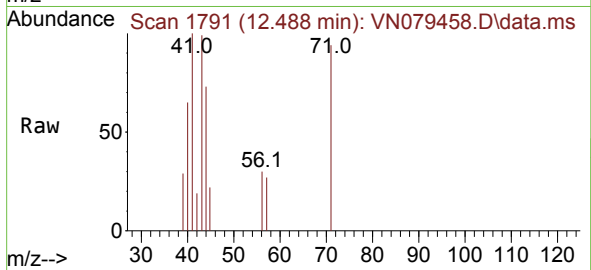
Tgt Ion:152 Resp: 94078
Ion Ratio Lower Upper
152 100
115 60.1 32.3 96.8
150 156.4 0.0 355.8



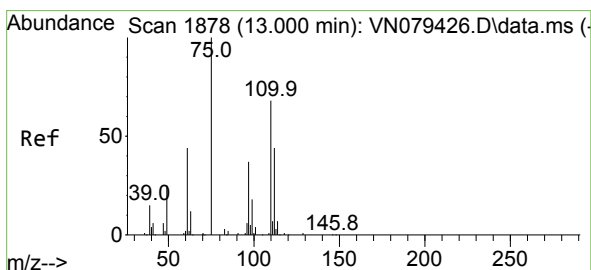
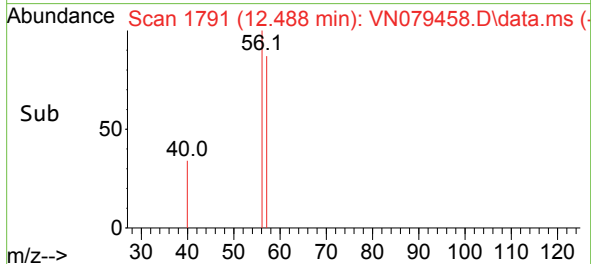
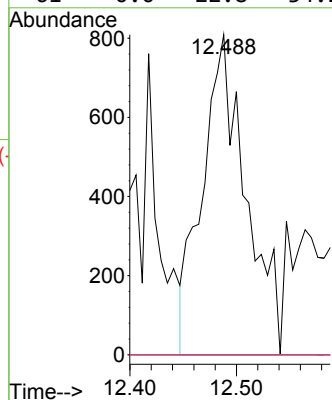


#74
N-amy1 acetate
Concen: 0.638 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

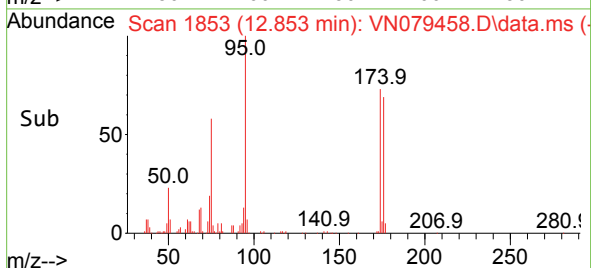
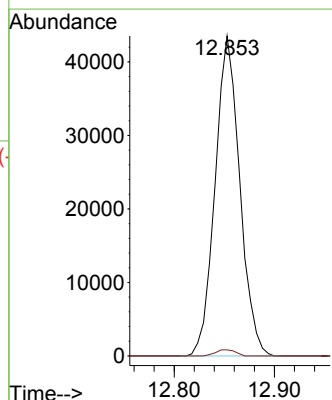
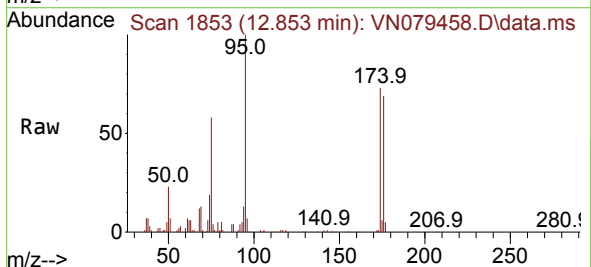


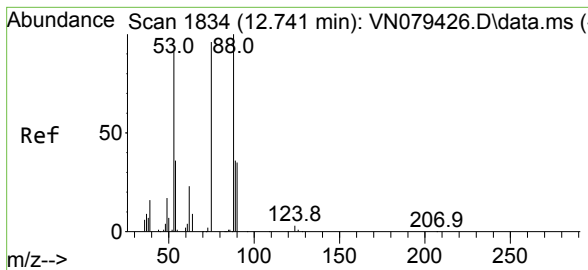
Tgt Ion:	43	Resp:	2290
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.453 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079458.D
Acq: 06 Oct 2023 19:32

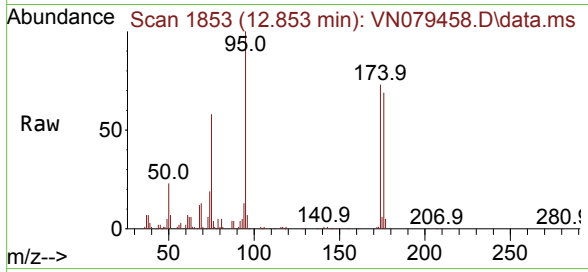
Tgt Ion:	75	Resp:	74467
Ion	Ratio	Lower	Upper
75	100		
77	1.6	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.656 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079458.D
 Acq: 06 Oct 2023 19:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 74467
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

