

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079450.D
 Acq On : 06 Oct 2023 16:19
 Operator : JC\MD
 Sample : PB156147ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:05:23 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)

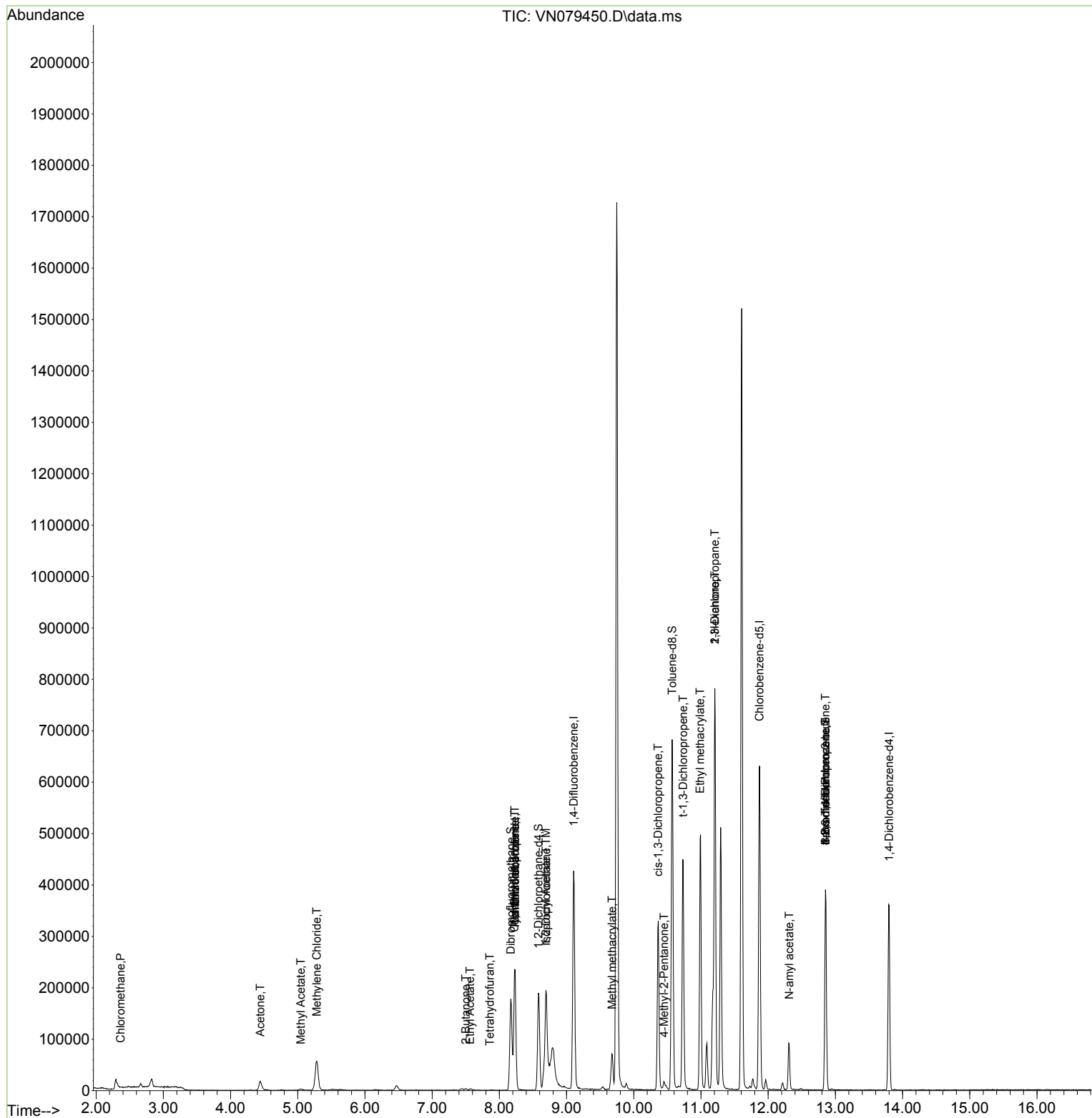
Internal Standards						
1) Pentafluorobenzene	8.236	168	165690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	351792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	94274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	152155	56.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.280%
35) Dibromofluoromethane	8.171	113	126112	49.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.700%
50) Toluene-d8	10.571	98	464040	50.697	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.400%
62) 4-Bromofluorobenzene	12.853	95	128491	43.743	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.480%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	894	0.302	ug/l	96
16) Acetone	4.442	43	32589	30.584	ug/l	93
18) Methyl Acetate	5.048	43	5497	1.054	ug/l #	54
20) Methylene Chloride	5.283	84	44275	18.596	ug/l #	85
25) 2-Butanone	7.500	43	4985	3.152	ug/l #	80
29) Tetrahydrofuran	7.859	42	238	0.233	ug/l #	35
31) Cyclohexane	8.224	56	4967	1.303	ug/l #	61
36) 1,1-Dichloropropene	8.230	75	15133	3.986	ug/l #	48
37) Ethyl Acetate	7.565	43	4395	1.163	ug/l #	73
38) Carbon Tetrachloride	8.230	117	18058	4.751	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1202	0.293	ug/l #	73
43) Isopropyl Acetate	8.694	43	241297	36.457	ug/l #	72
48) Methyl methacrylate	9.677	41	4963	1.750	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	16358	4.378	ug/l #	63
53) t-1,3-Dichloropropene	10.735	75	1378	0.345	ug/l #	15
54) cis-1,3-Dichloropropene	10.365	75	55762	12.771	ug/l #	73
56) Ethyl methacrylate	10.988	69	2954	0.807	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6770	1.471	ug/l #	42
59) 2-Hexanone	11.206	43	102491	38.015	ug/l #	46
71) Bromoform	12.853	173	1144	0.545	ug/l #	1
74) N-amyl acetate	12.312	43	29609	8.235	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.865	83	55	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	71133	26.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	71133	75.932	ug/l #	15

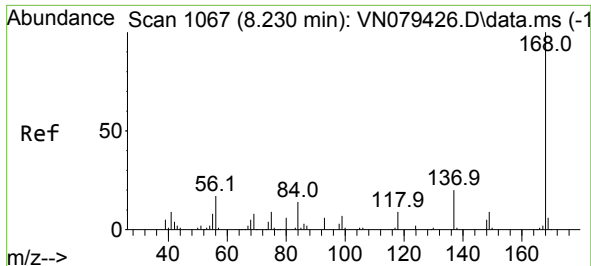
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration

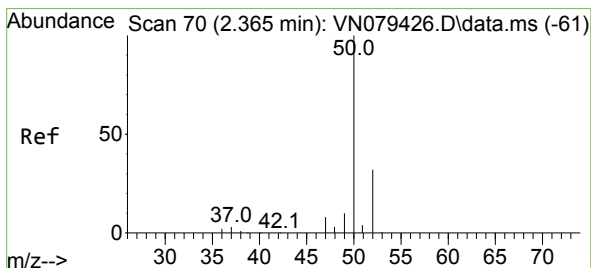
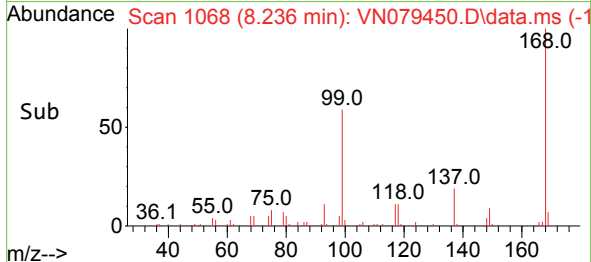
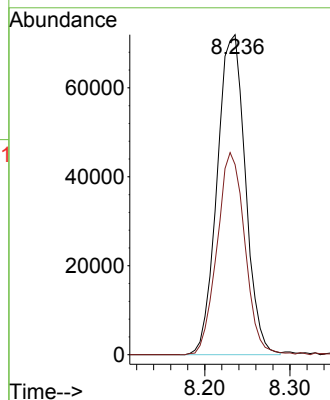
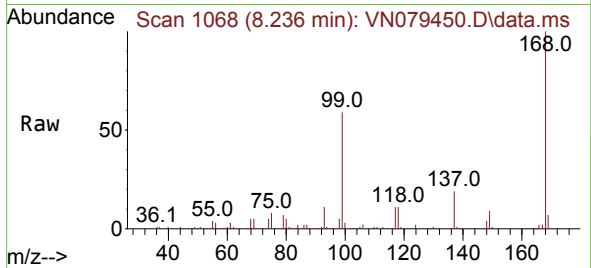




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

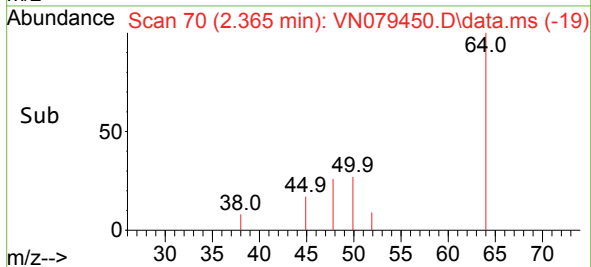
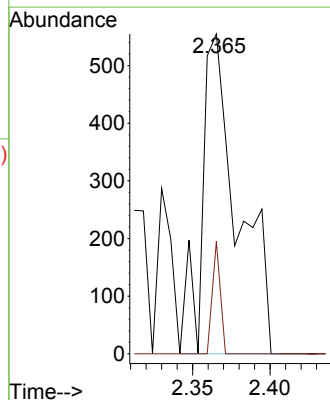
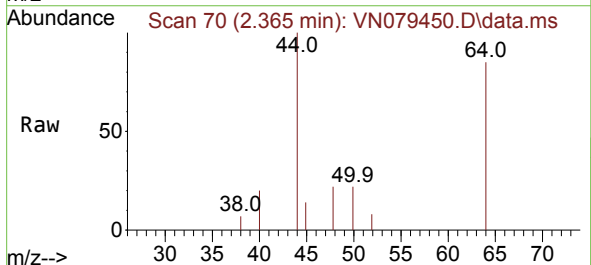
Instrument :
MSVOA_N
ClientSampleId :

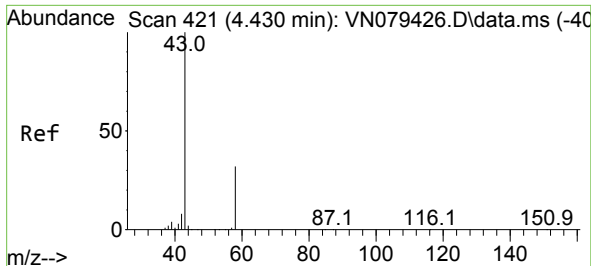
Tgt Ion:168 Resp: 165690
Ion Ratio Lower Upper
168 100
99 59.4 53.0 79.6



#3
Chloromethane
Concen: 0.302 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

Tgt Ion: 50 Resp: 894
Ion Ratio Lower Upper
50 100
52 35.1 26.5 39.7

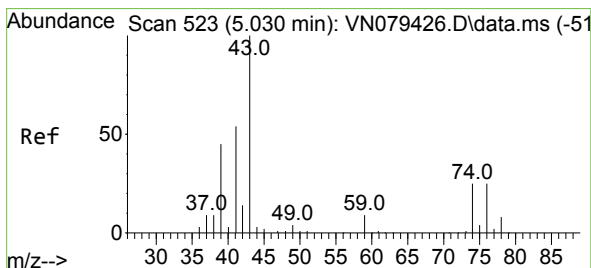
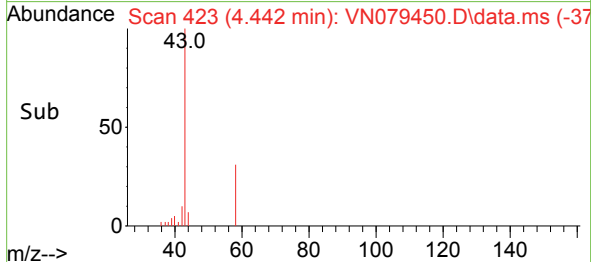
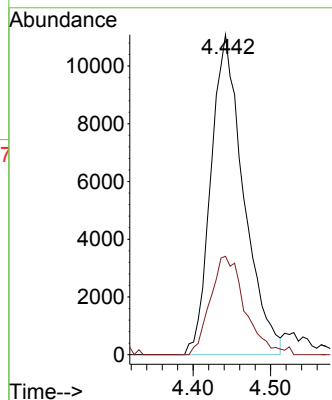
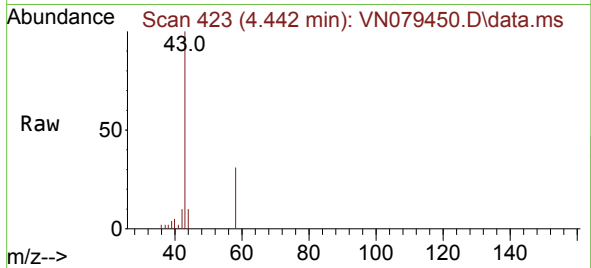




#16
Acetone
Concen: 30.584 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

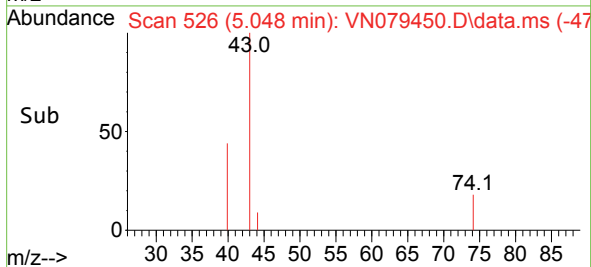
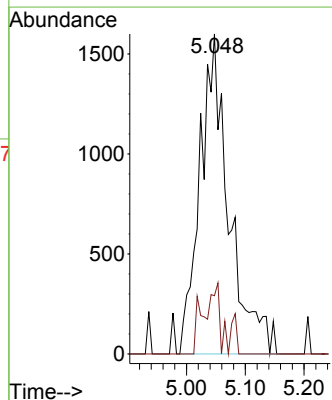
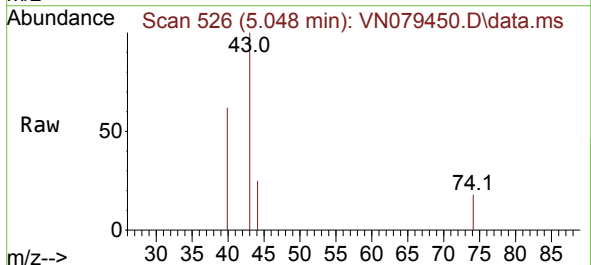
Instrument :
MSVOA_N
ClientSampleId :

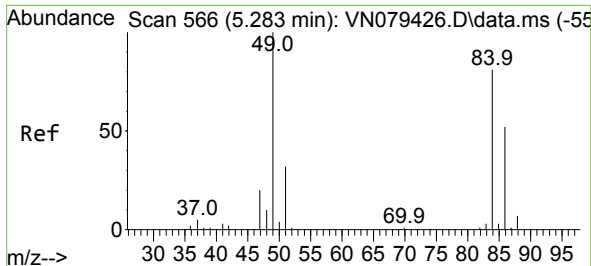
Tgt Ion: 43 Resp: 32589
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0



#18
Methyl Acetate
Concen: 1.054 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

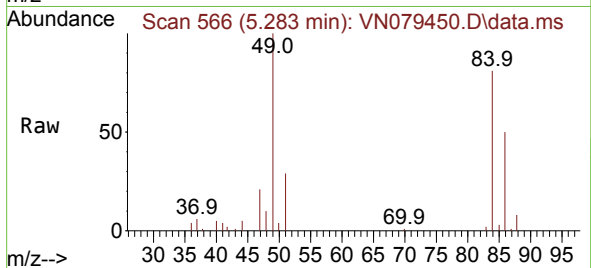
Tgt Ion: 43 Resp: 5497
Ion Ratio Lower Upper
43 100
74 7.1 26.2 39.4#





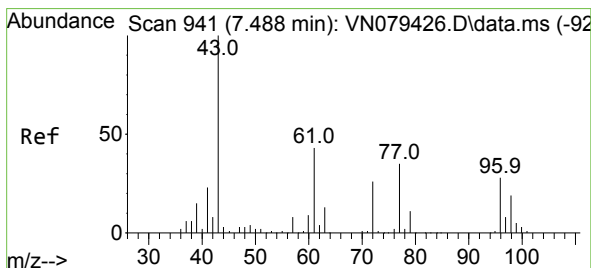
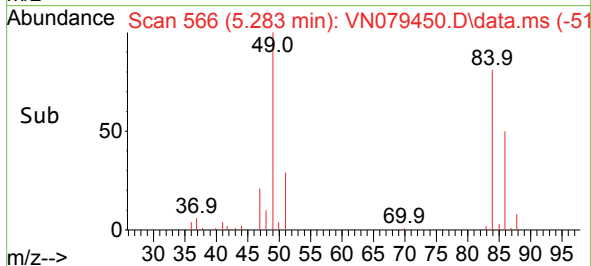
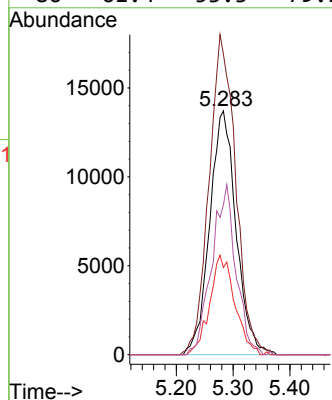
#20
Methylene Chloride
Concen: 18.596 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 44275

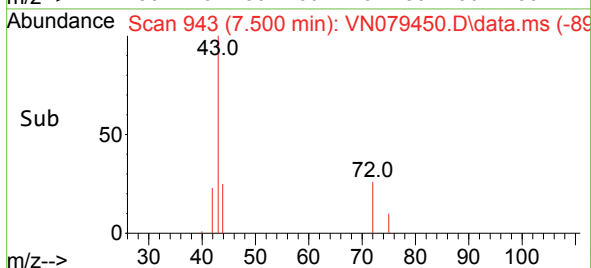
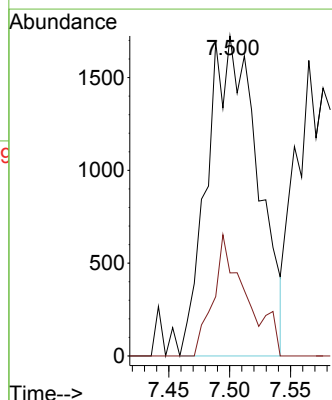
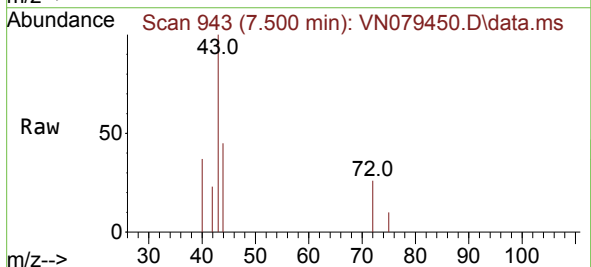
Ion	Ratio	Lower	Upper
84	100		
49	123.3	79.7	119.5#
51	35.8	25.2	37.8
86	61.4	53.3	79.9

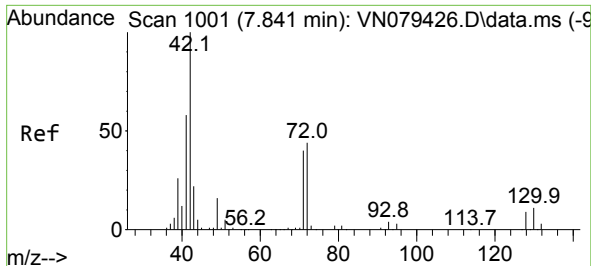


#25
2-Butanone
Concen: 3.152 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

Tgt Ion: 43 Resp: 4985

Ion	Ratio	Lower	Upper
43	100		
72	25.9	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

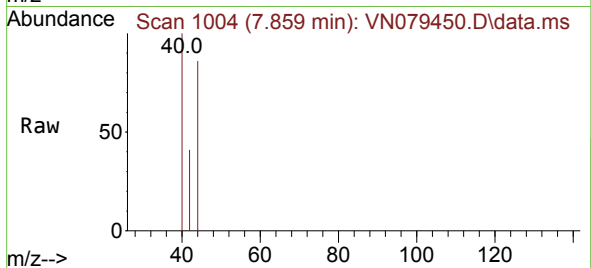
Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

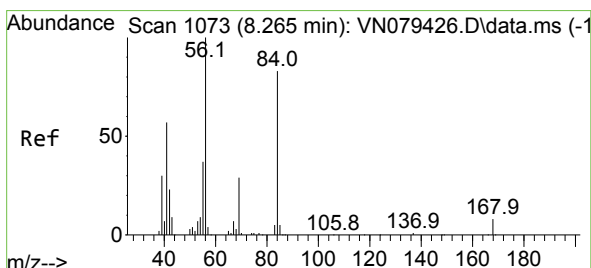
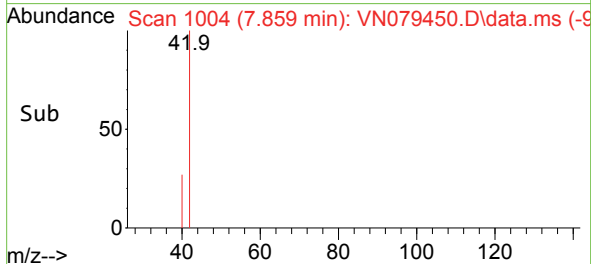
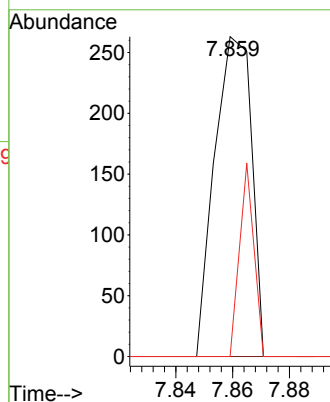
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	238
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	23.5	47.4	71.2#



#31

Cyclohexane

Concen: 1.303 ug/l

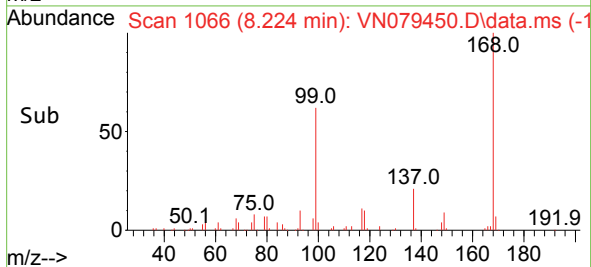
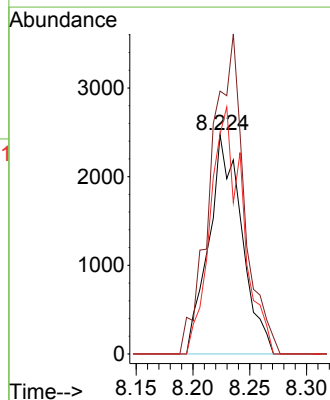
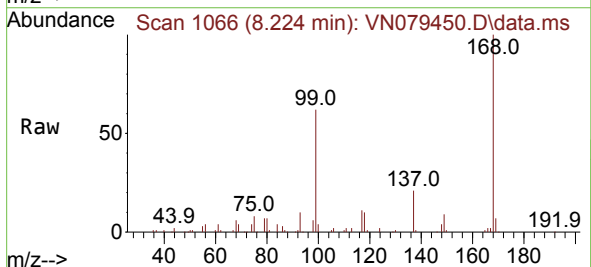
RT: 8.224 min Scan# 1066

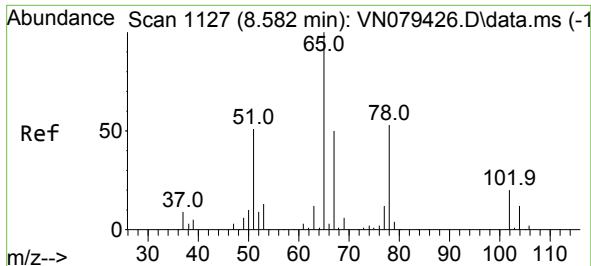
Delta R.T. -0.041 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Tgt Ion:	56	Resp:	4967
Ion	Ratio	Lower	Upper
56	100		
69	119.9	26.8	40.2#
84	100.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 56.636 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

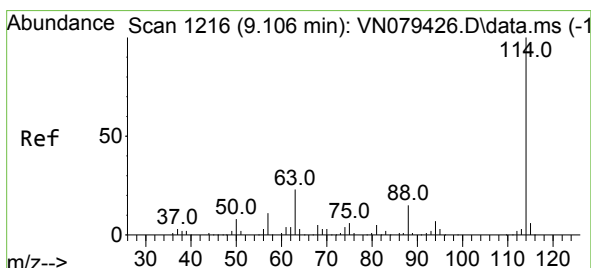
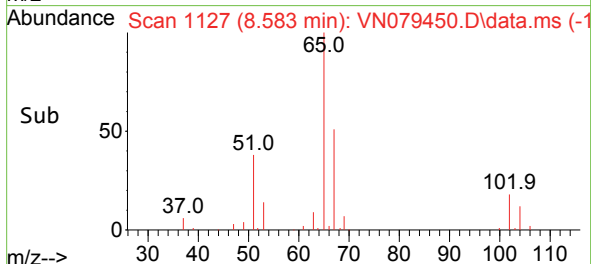
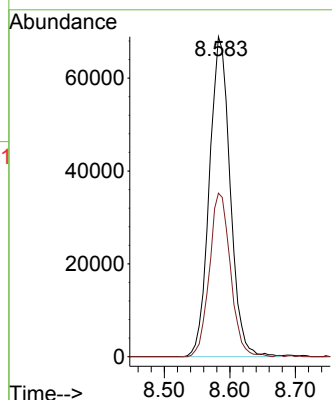
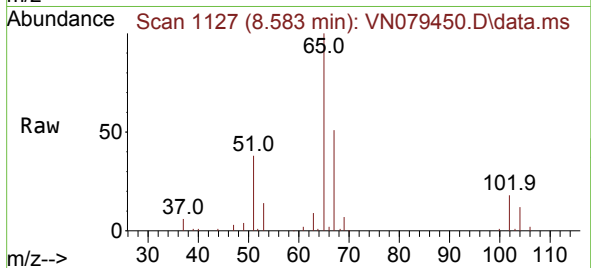
ClientSampleId :

Tgt Ion: 65 Resp: 152155

Ion Ratio Lower Upper

65 100

67 51.5 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: VN079450.D

Acq: 06 Oct 2023 16:19

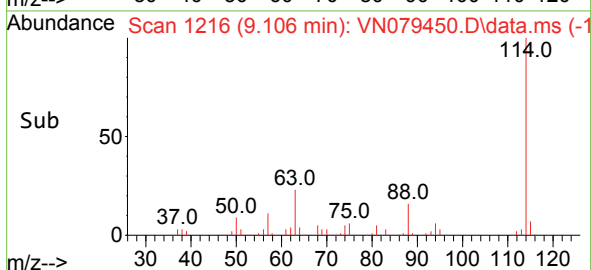
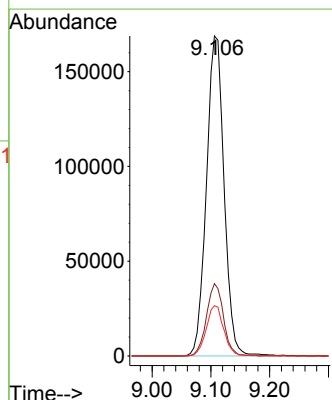
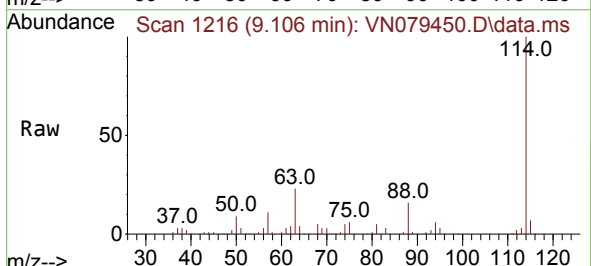
Tgt Ion: 114 Resp: 352013

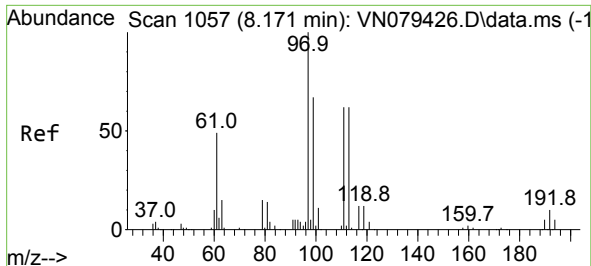
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.853 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

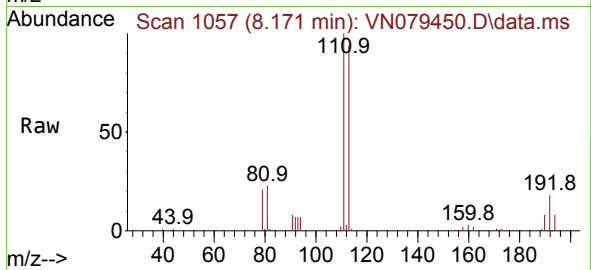
Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :



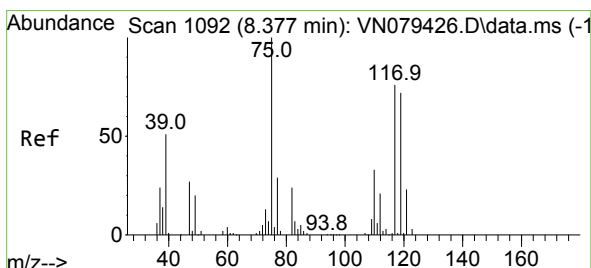
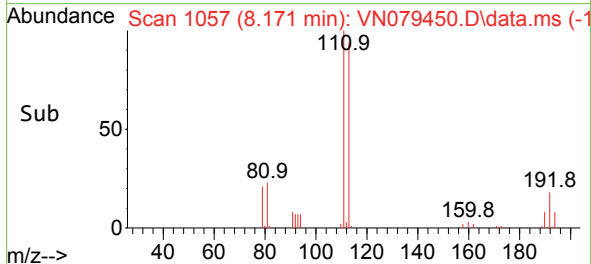
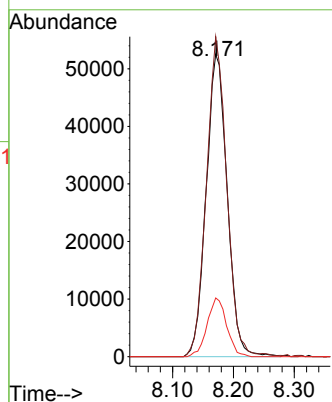
Tgt Ion:113 Resp: 126112

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

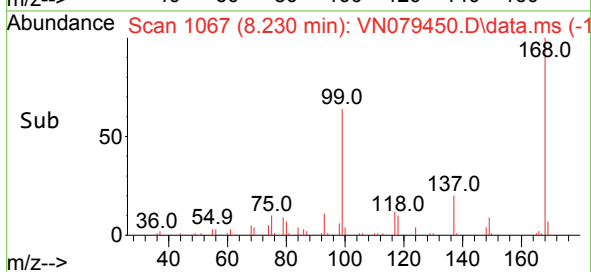
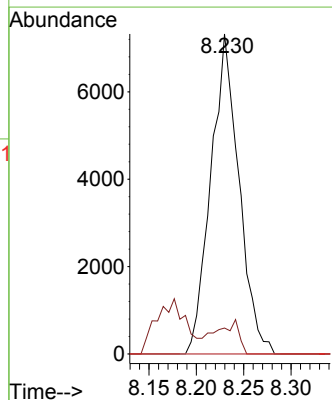
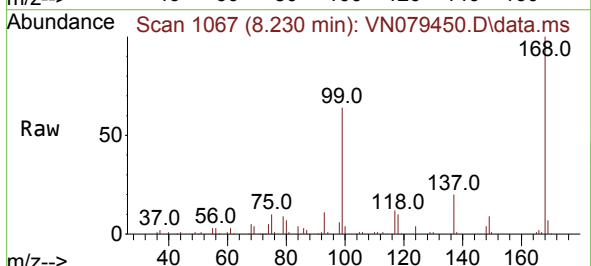
Tgt Ion: 75 Resp: 15133

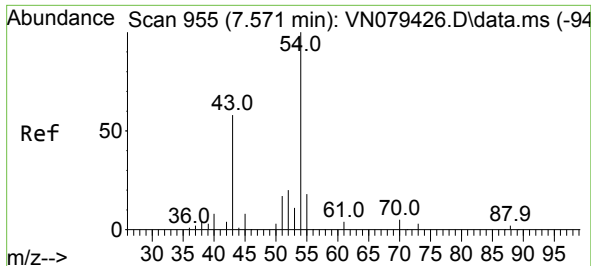
Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.163 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

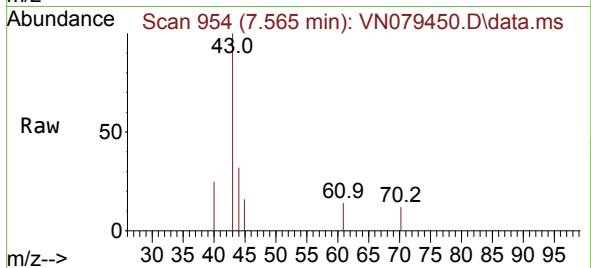
Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

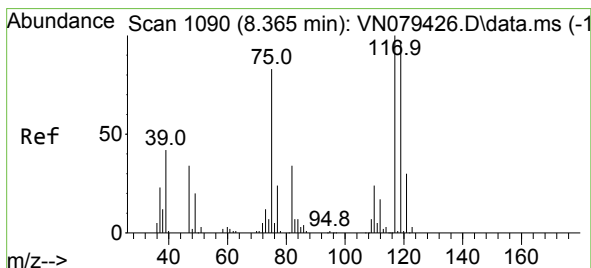
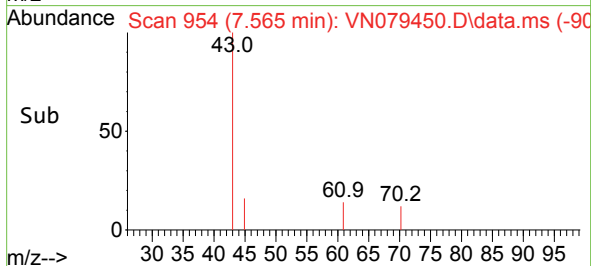
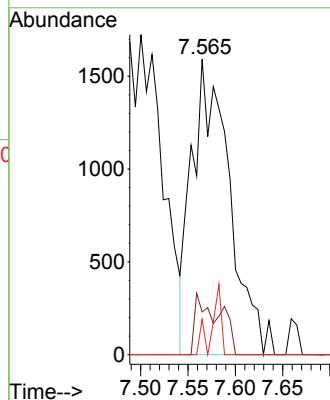
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4395
Ion	Ratio	Lower	Upper
43	100		
61	7.9	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.751 ug/l

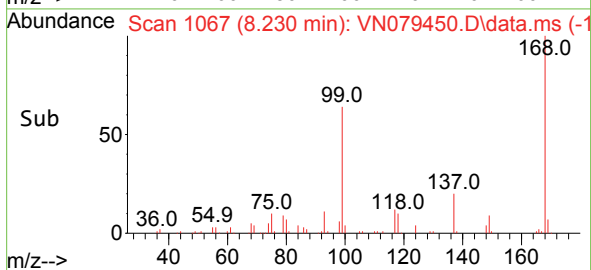
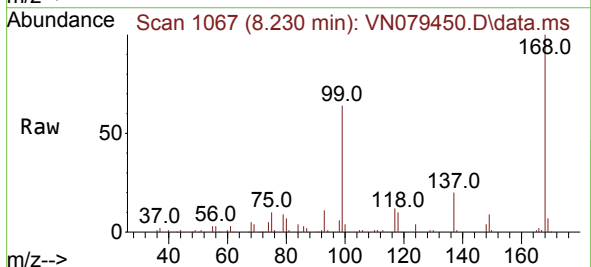
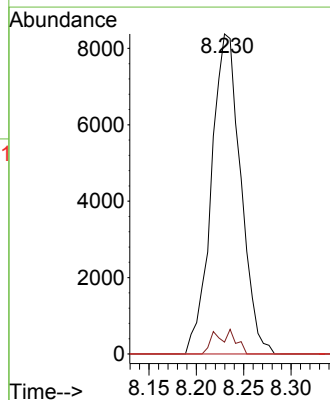
RT: 8.230 min Scan# 1067

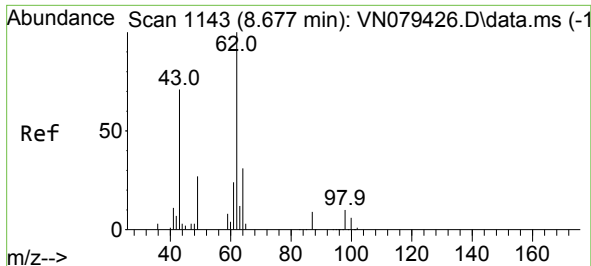
Delta R.T. -0.135 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Tgt Ion:	117	Resp:	18058
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.293 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.018 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

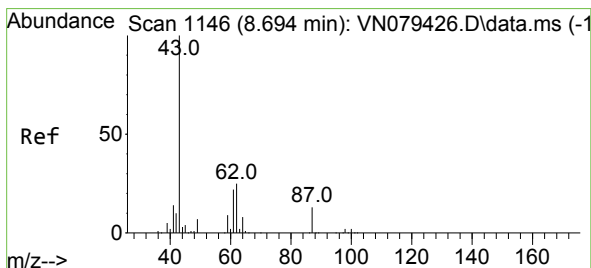
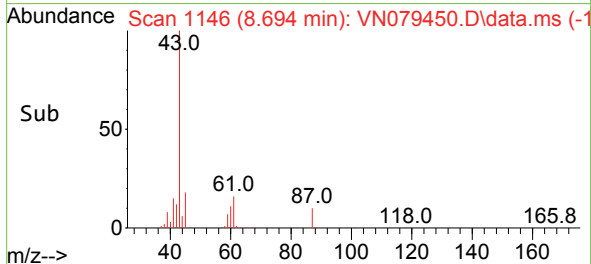
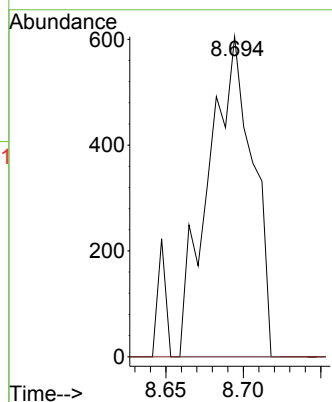
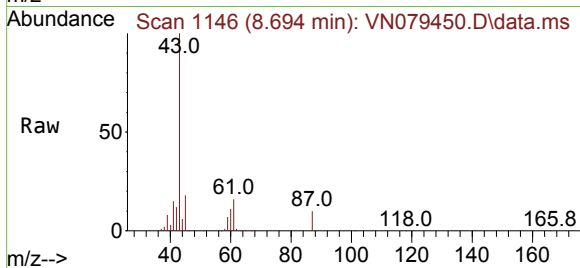
ClientSampleId :

Tgt Ion: 62 Resp: 1202

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 36.457 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

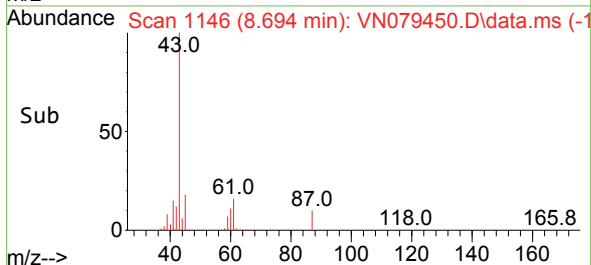
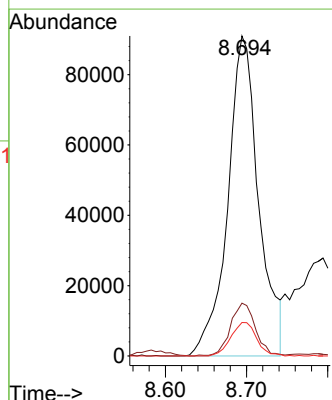
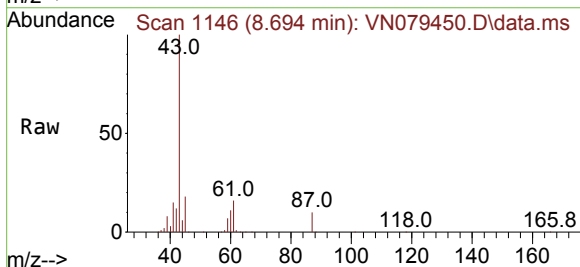
Tgt Ion: 43 Resp: 241297

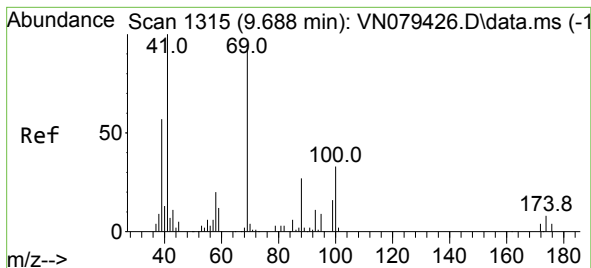
Ion Ratio Lower Upper

43 100

61 13.3 24.7 37.1#

87 8.7 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.750 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

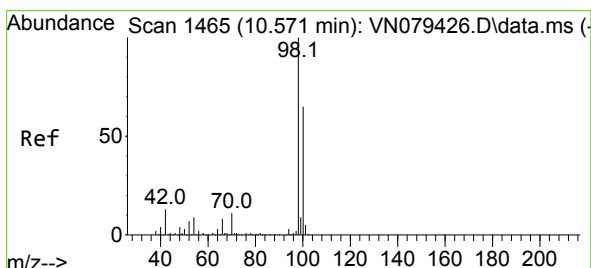
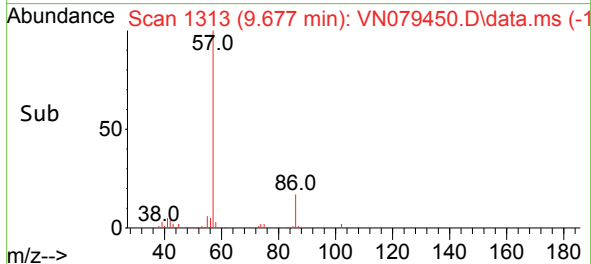
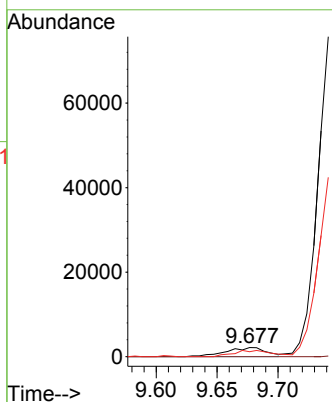
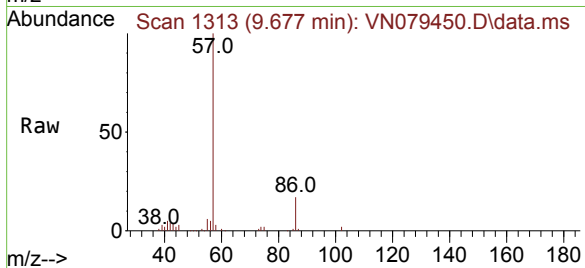
Tgt Ion: 41 Resp: 4963

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 64.2 54.6 81.8



#50

Toluene-d8

Concen: 50.697 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079450.D

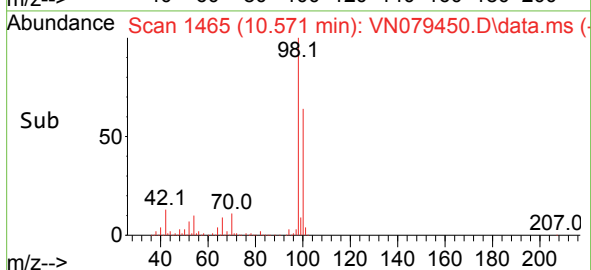
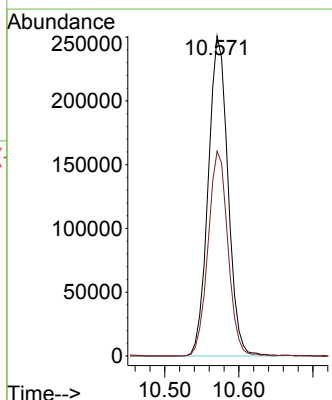
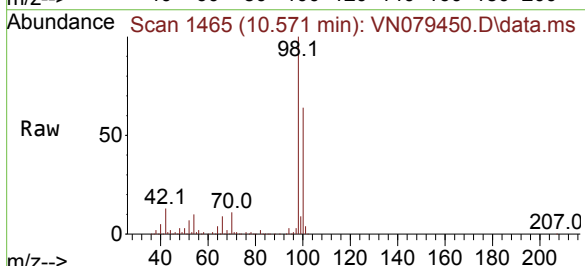
Acq: 06 Oct 2023 16:19

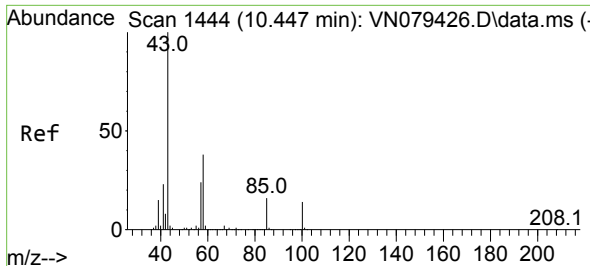
Tgt Ion: 98 Resp: 464040

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

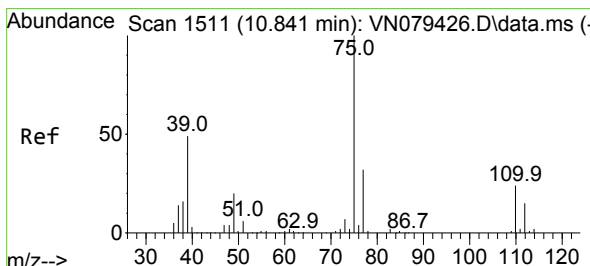
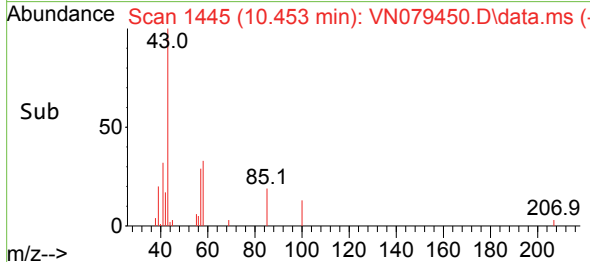
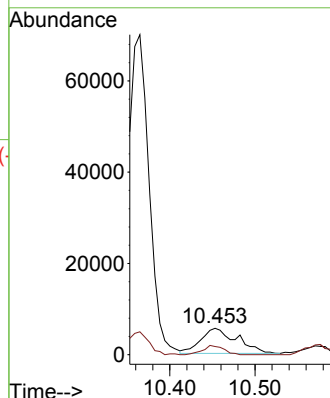
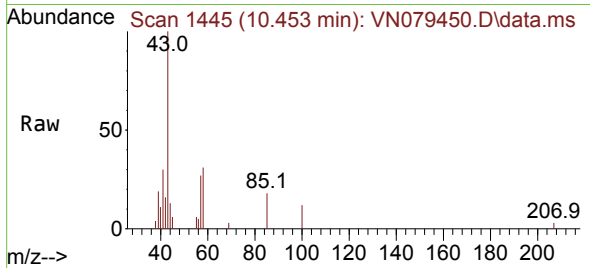




#51
4-Methyl-2-Pentanone
Concen: 4.378 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

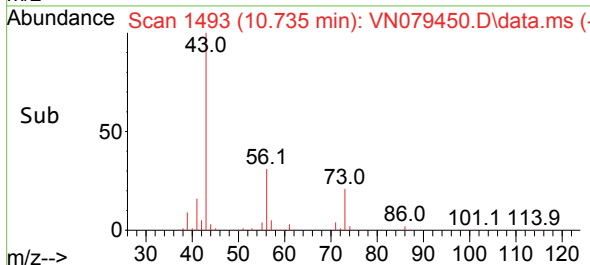
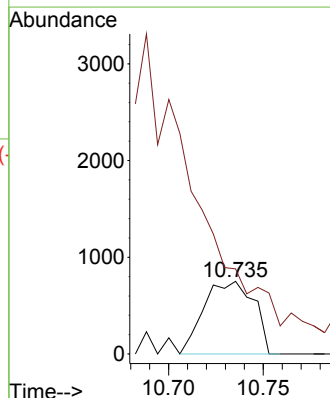
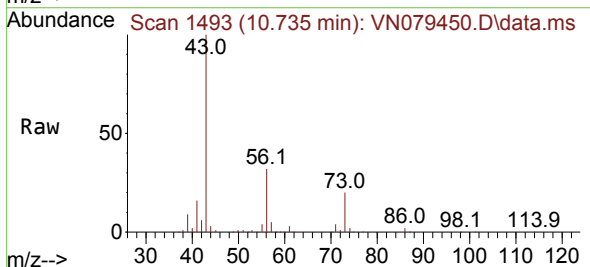
Instrument :
MSVOA_N
ClientSampleId :

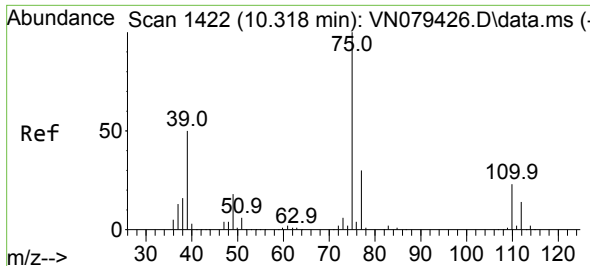
Tgt Ion: 43 Resp: 16358
Ion Ratio Lower Upper
43 100
58 21.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.345 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

Tgt Ion: 75 Resp: 1378
Ion Ratio Lower Upper
75 100
77 78.7 25.4 38.0#

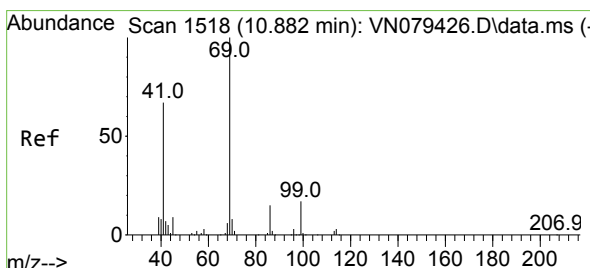
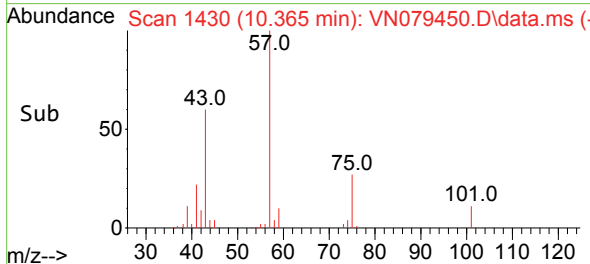
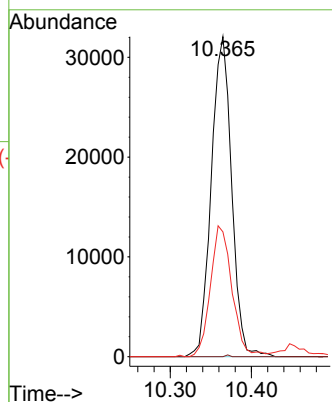
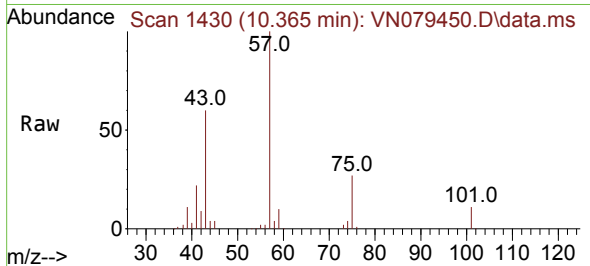




#54
 cis-1,3-Dichloropropene
 Concen: 12.771 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079450.D
 Acq: 06 Oct 2023 16:19

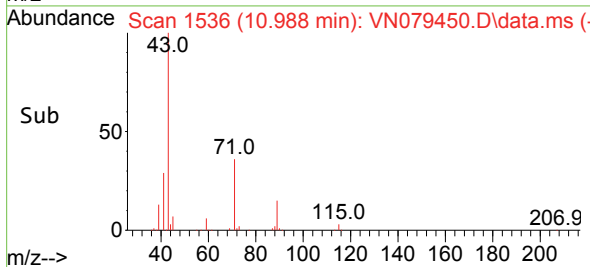
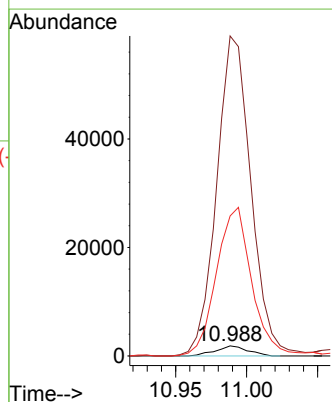
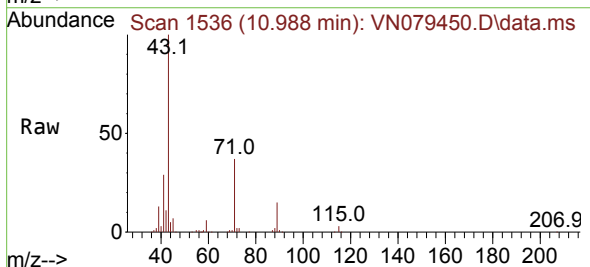
Instrument :
 MSVOA_N
 ClientSampleId :

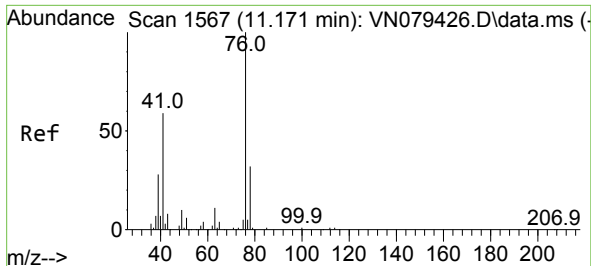
Tgt Ion: 75 Resp: 55762
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 38.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.807 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079450.D
 Acq: 06 Oct 2023 16:19

Tgt Ion: 69 Resp: 2954
 Ion Ratio Lower Upper
 69 100
 41 3361.2 39.6 59.4#
 39 1616.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.471 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

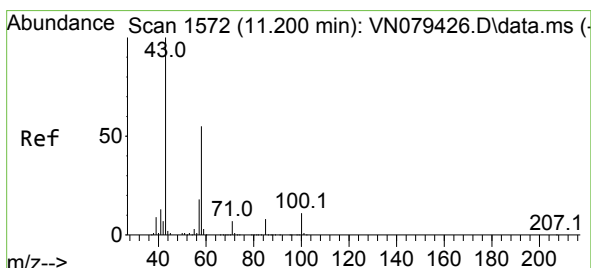
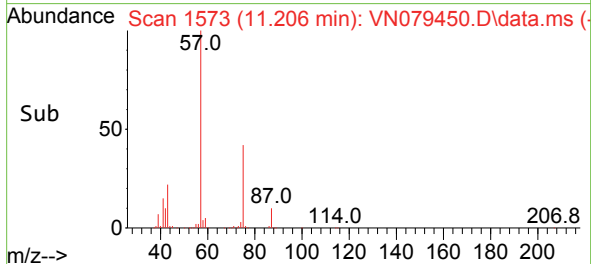
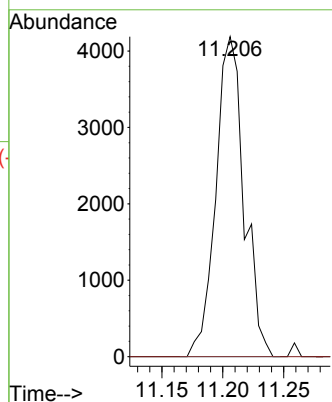
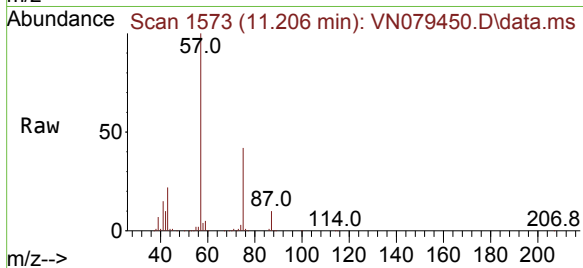
ClientSampleId :

Tgt Ion: 76 Resp: 6770

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.015 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079450.D

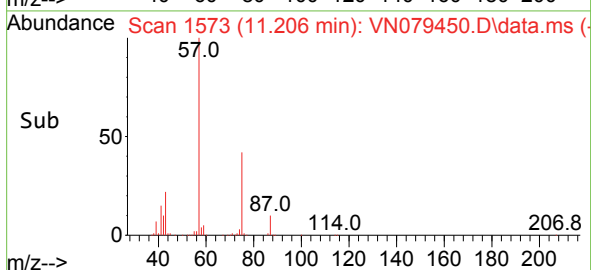
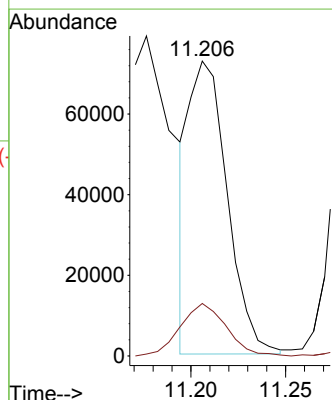
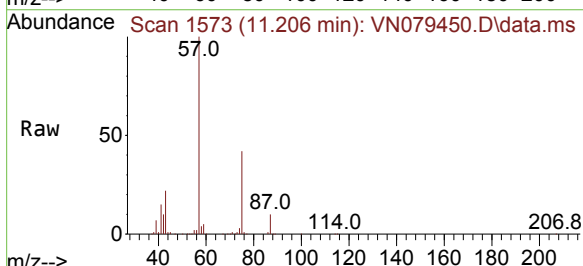
Acq: 06 Oct 2023 16:19

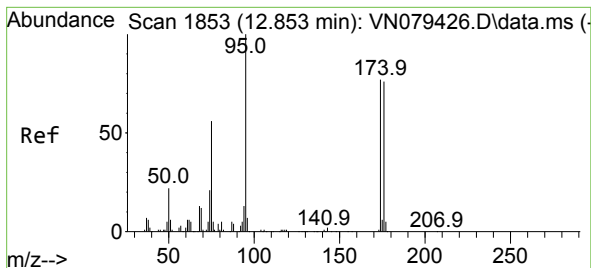
Tgt Ion: 43 Resp: 102491

Ion Ratio Lower Upper

43 100

58 21.5 31.7 95.1#

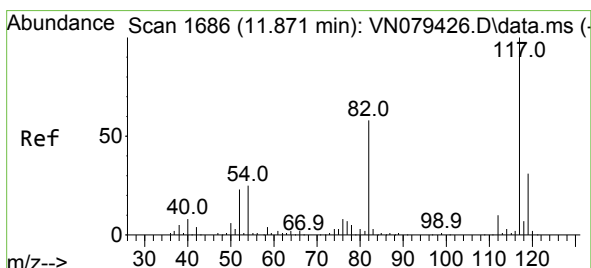
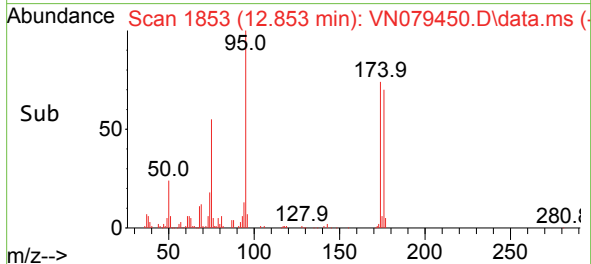
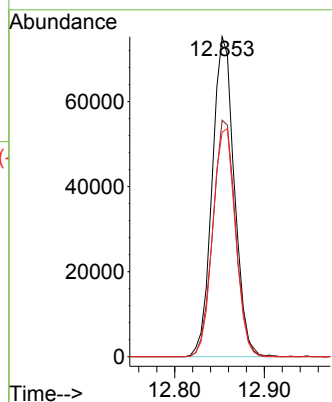
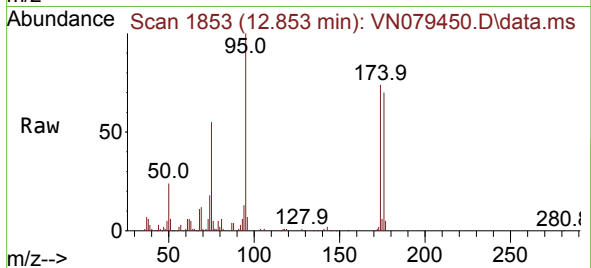




#62
4-Bromofluorobenzene
Concen: 43.743 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

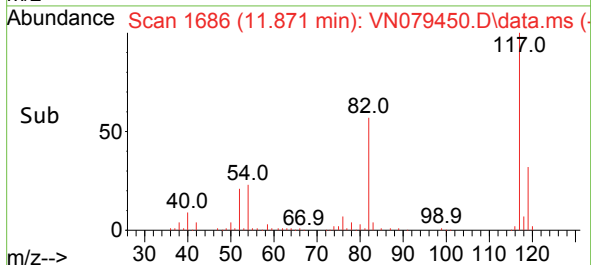
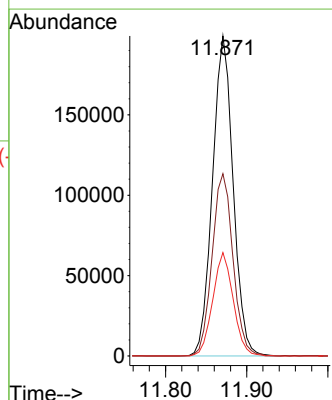
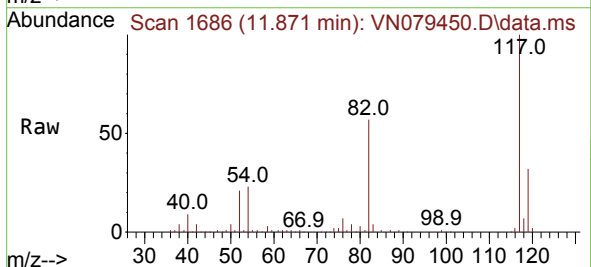
Instrument :
MSVOA_N
ClientSampleId :

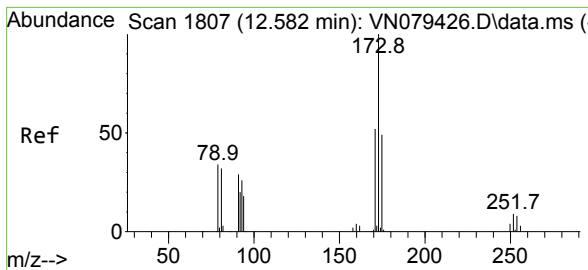
Tgt Ion: 95 Resp: 128491
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079450.D
Acq: 06 Oct 2023 16:19

Tgt Ion: 117 Resp: 351792
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.545 ug/l

RT: 12.853 min Scan# 1144

Delta R.T. 0.271 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

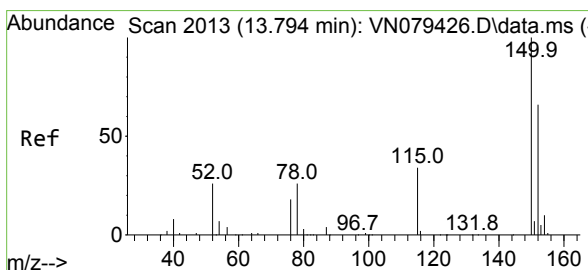
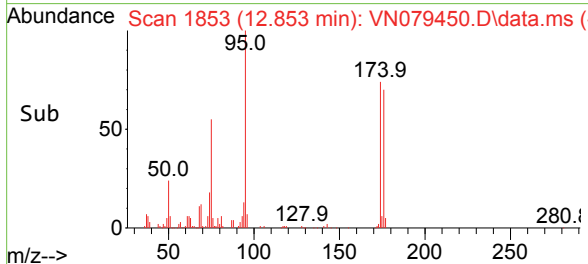
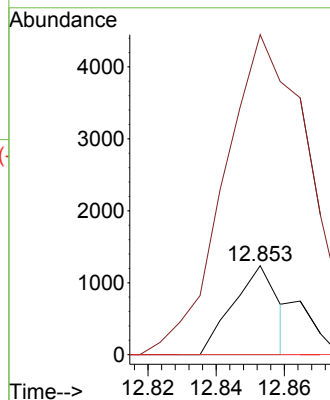
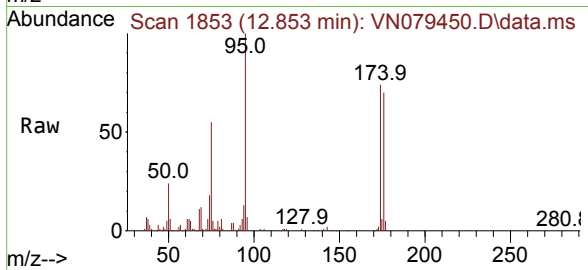
Tgt Ion:173 Resp: 1144

Ion Ratio Lower Upper

173 100

175 475.6 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: VN079450.D

Acq: 06 Oct 2023 16:19

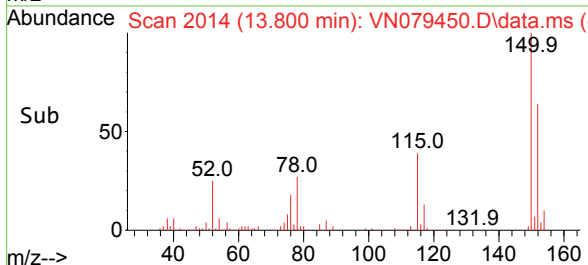
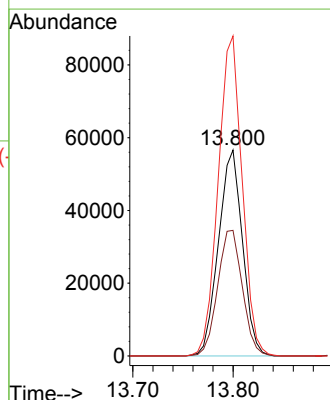
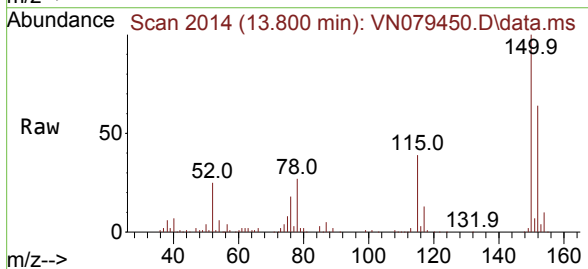
Tgt Ion:152 Resp: 94274

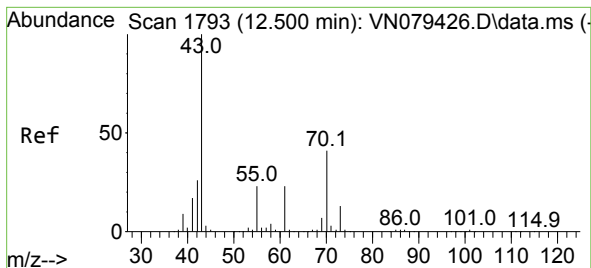
Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 154.8 0.0 355.8





#74

N-amy1 acetate

Concen: 8.235 ug/l

RT: 12.312 min Scan# 1

Delta R.T. -0.188 min

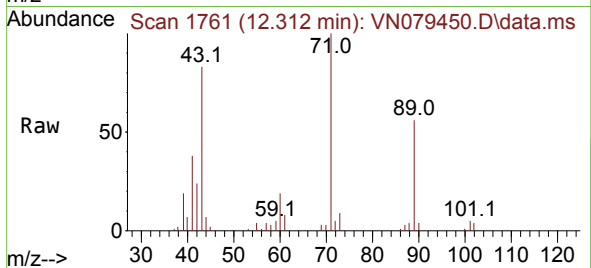
Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 29609

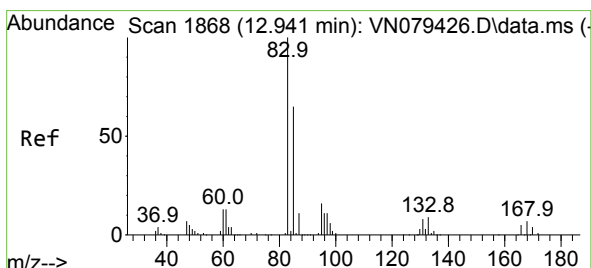
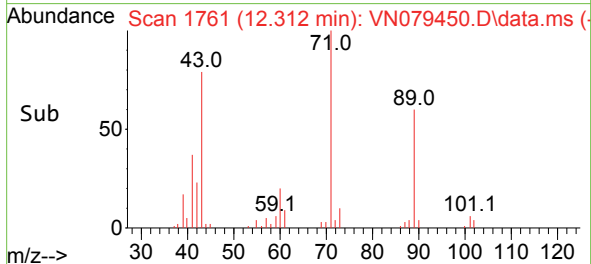
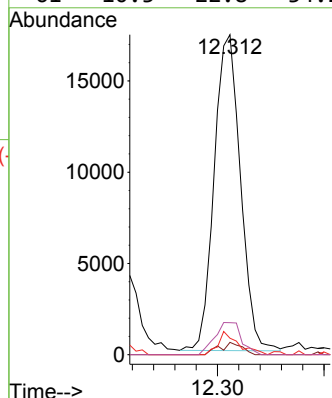
Ion Ratio Lower Upper

43 100

70 3.3 43.4 65.2#

55 5.6 21.4 32.0#

61 10.3 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.076 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

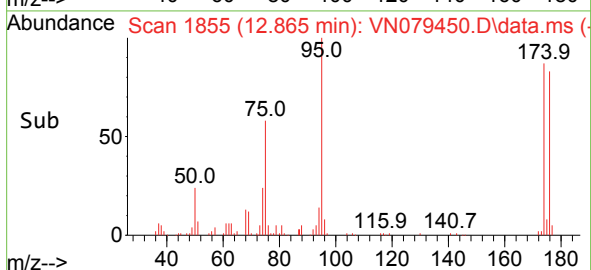
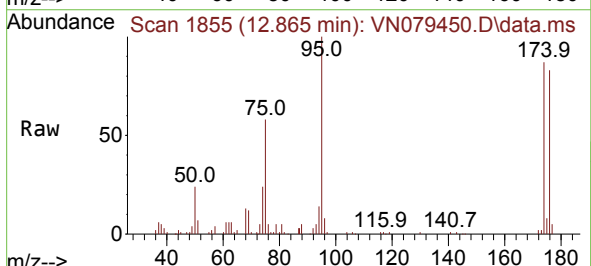
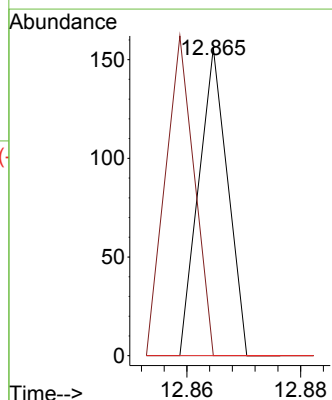
Tgt Ion: 83 Resp: 55

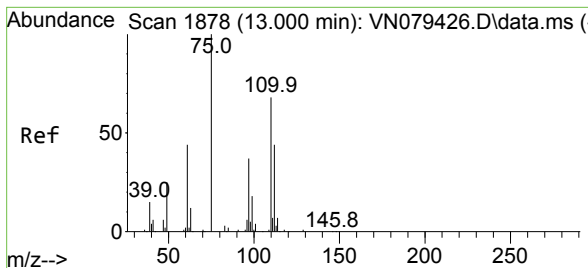
Ion Ratio Lower Upper

83 100

131 103.6 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.169 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Instrument :

MSVOA_N

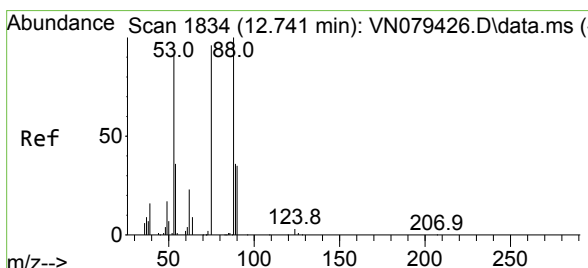
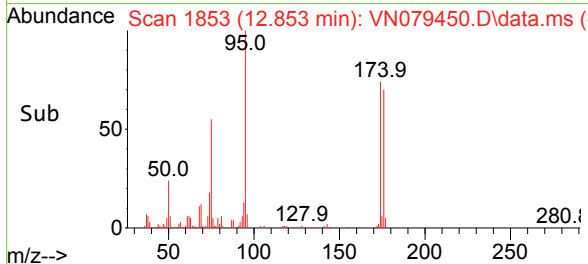
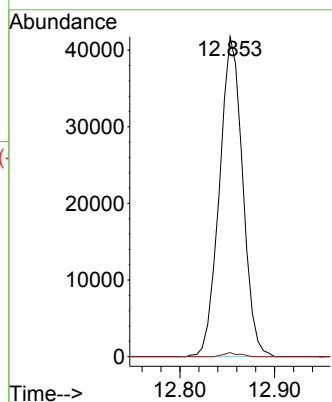
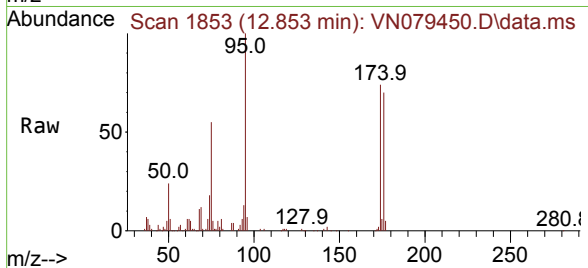
ClientSampleId :

Tgt Ion: 75 Resp: 71133

Ion Ratio Lower Upper

75 100

77 0.9 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.932 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079450.D

Acq: 06 Oct 2023 16:19

Tgt Ion: 75 Resp: 71133

Ion Ratio Lower Upper

75 100

53 0.4 67.4 101.2#

89 0.0 38.8 58.2#

