

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079456.D
 Acq On : 06 Oct 2023 18:44
 Operator : JC\MD
 Sample : 04731-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:07:43 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)

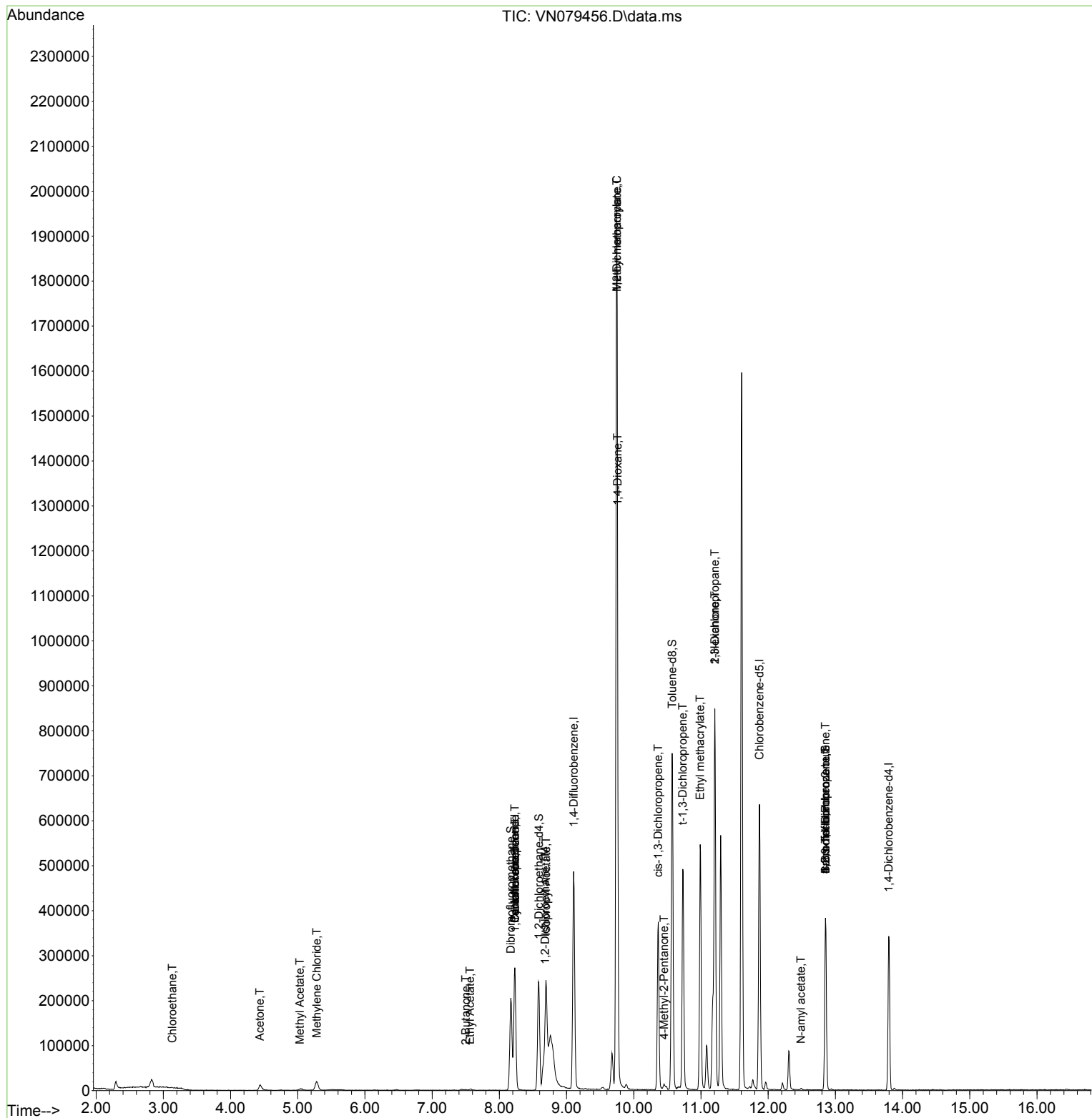
Internal Standards						
1) Pentafluorobenzene	8.230	168	185215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	399405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	350431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	193366	64.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.780%#			
35) Dibromofluoromethane	8.171	113	142966	49.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	10.571	98	514386	49.529	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.853	95	129221	38.771	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 77.540%#			
Target Compounds					Qvalue	
6) Chloroethane	3.136	64	1080	0.416	ug/l #	43
16) Acetone	4.436	43	23700	19.897	ug/l #	75
18) Methyl Acetate	5.030	43	2919	0.501	ug/l	99
20) Methylene Chloride	5.283	84	14448	4.997	ug/l #	79
25) 2-Butanone	7.500	43	3096	1.751	ug/l #	72
31) Cyclohexane	8.230	56	4997	1.173	ug/l #	32
36) 1,1-Dichloropropene	8.236	75	18445	4.282	ug/l #	47
37) Ethyl Acetate	7.565	43	1280	0.299	ug/l #	89
38) Carbon Tetrachloride	8.230	117	20841	4.833	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1454	0.313	ug/l #	73
43) Isopropyl Acetate	8.694	43	315488	42.011	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	2461	0.730	ug/l #	45
48) Methyl methacrylate	9.747	41	177076	55.026	ug/l #	30
49) 1,4-Dioxane	9.759	88	213	3.593	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14082	3.322	ug/l #	62
53) t-1,3-Dichloropropene	10.729	75	1371	0.303	ug/l #	77
54) cis-1,3-Dichloropropene	10.365	75	60107	12.133	ug/l #	70
56) Ethyl methacrylate	10.988	69	2763	0.665	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8334	1.596	ug/l #	43
59) 2-Hexanone	11.206	43	109068	35.654	ug/l #	47
71) Bromoform	12.853	173	1160	0.555	ug/l #	1
74) N-amyl acetate	12.488	43	1463	0.437	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.853	83	90	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	73440	28.985	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73440	84.100	ug/l #	15

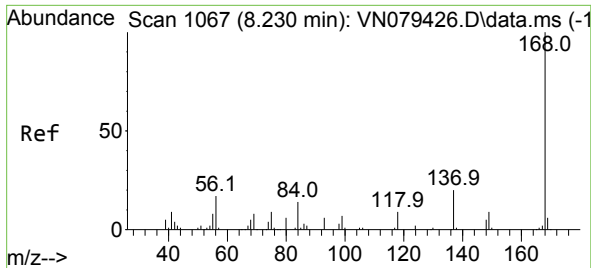
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

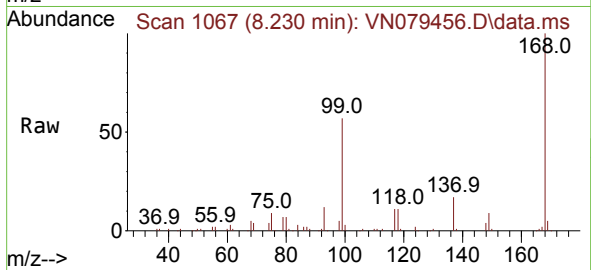
Quant Time: Oct 06 23:07:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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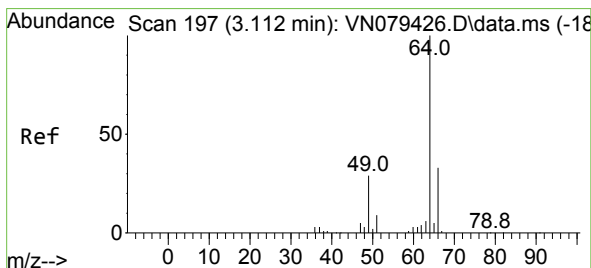
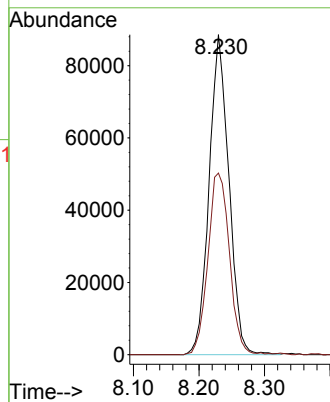
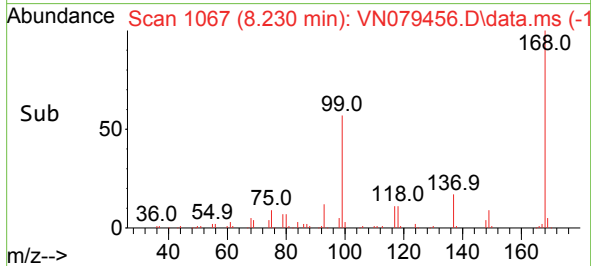


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

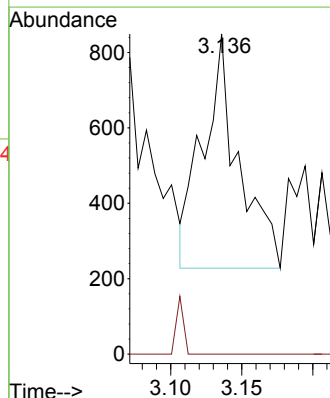
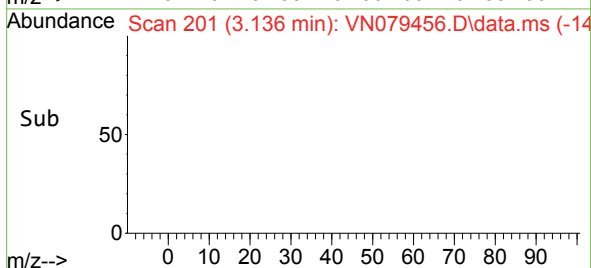
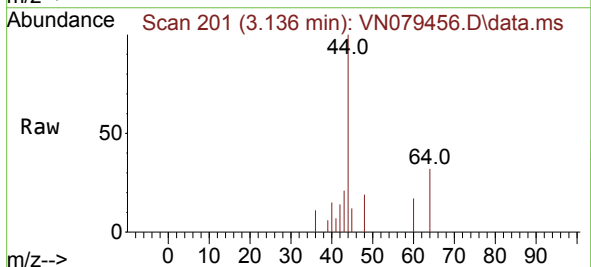


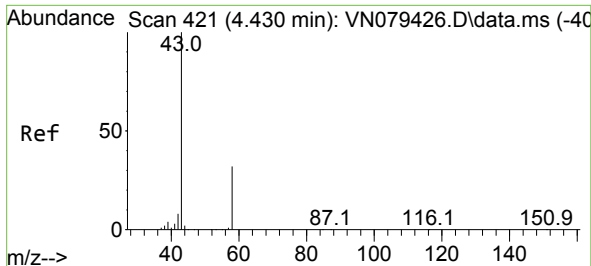
Tgt Ion:168 Resp: 185215
Ion Ratio Lower Upper
168 100
99 56.7 53.0 79.6



#6
Chloroethane
Concen: 0.416 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.024 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 64 Resp: 1080
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

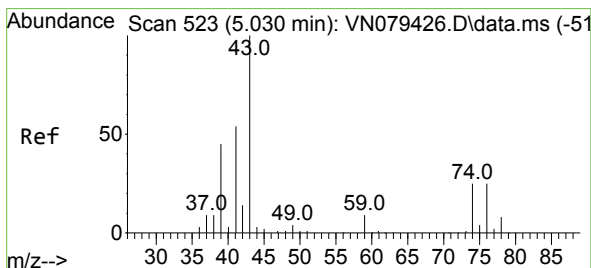
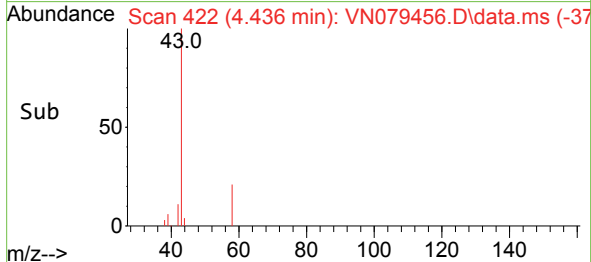
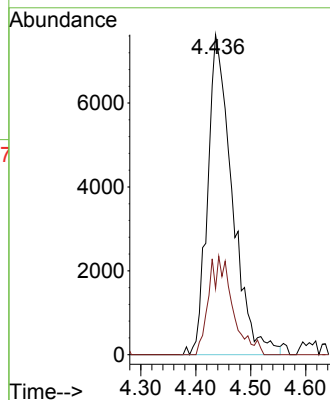
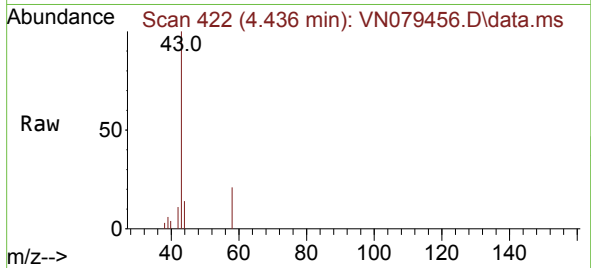




#16
Acetone
Concen: 19.897 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

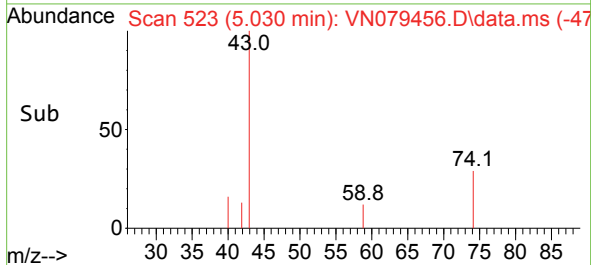
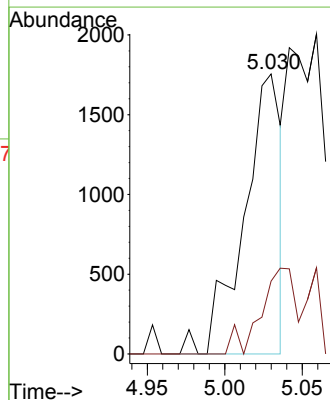
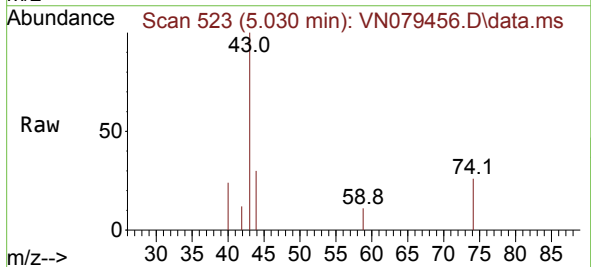
Instrument :
MSVOA_N
ClientSampleId :

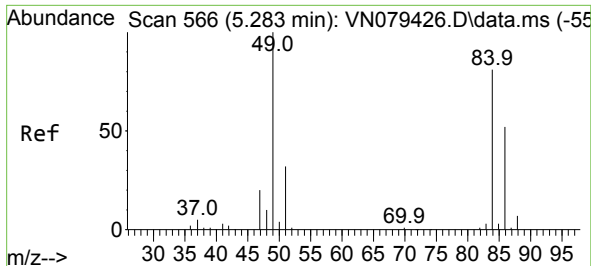
Tgt Ion: 43 Resp: 23700
Ion Ratio Lower Upper
43 100
58 20.6 28.0 42.0#



#18
Methyl Acetate
Concen: 0.501 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

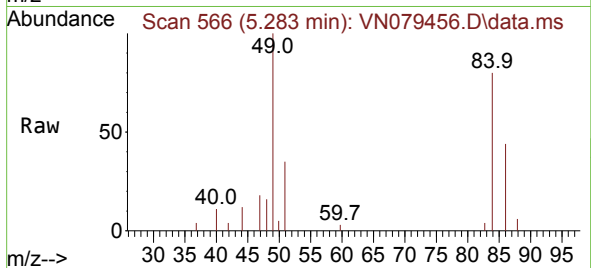
Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
74 32.4 26.2 39.4



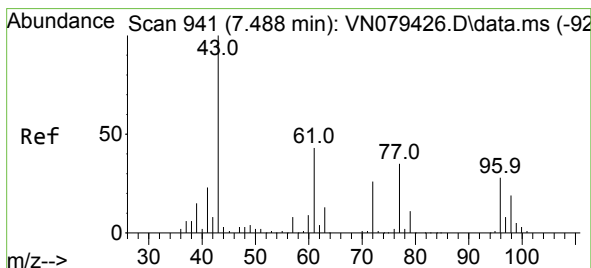
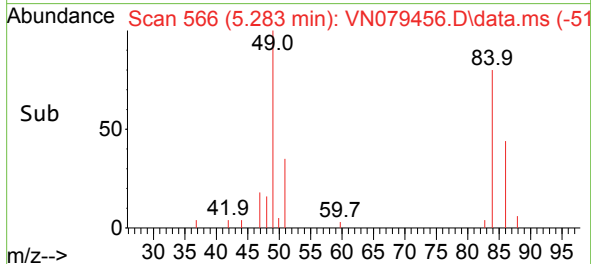
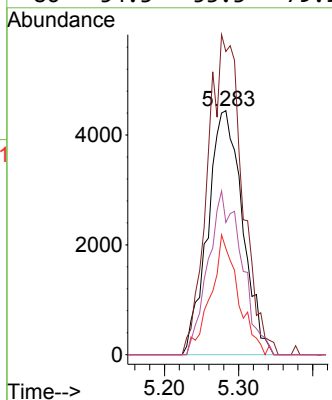


#20
Methylene Chloride
Concen: 4.997 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

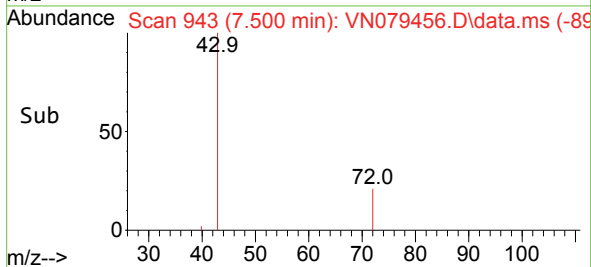
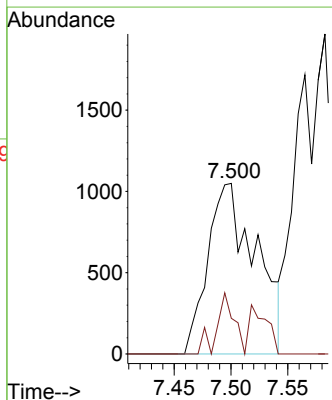
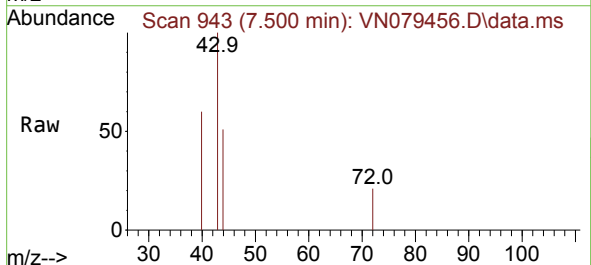


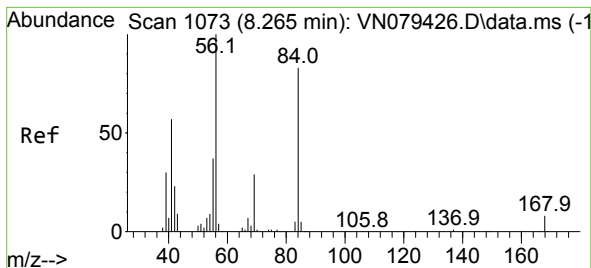
Tgt Ion:	84	Resp:	14448
Ion	Ratio	Lower	Upper
84	100		
49	124.3	79.7	119.5#
51	43.5	25.2	37.8#
86	54.3	53.3	79.9



#25
2-Butanone
Concen: 1.751 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Tgt Ion:	43	Resp:	3096
Ion	Ratio	Lower	Upper
43	100		
72	21.0	30.2	45.2#





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

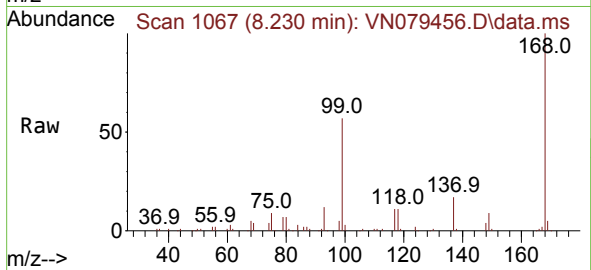
Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

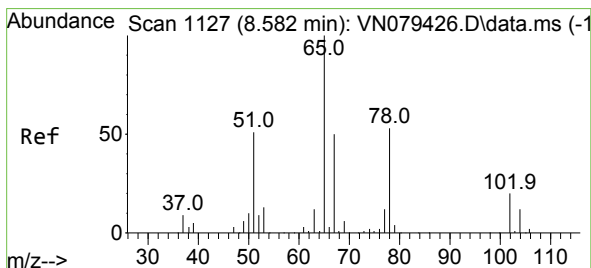
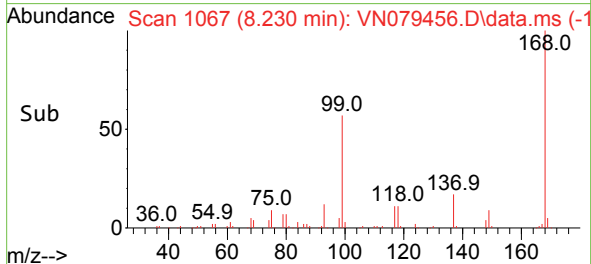
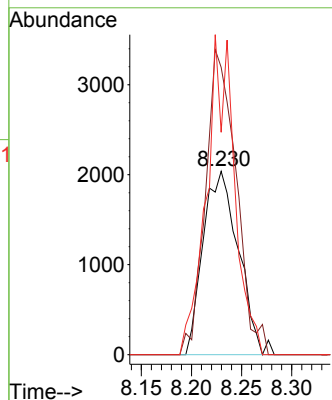
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4997
Ion Ratio	Lower Upper
56	100
69	156.7 26.8 40.2#
84	121.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 64.388 ug/l

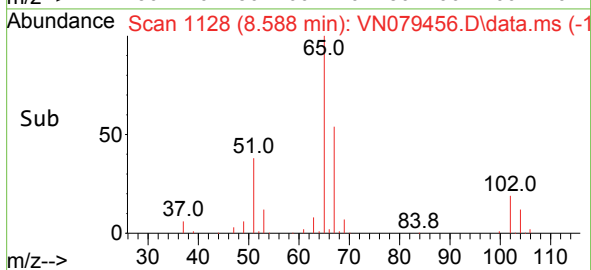
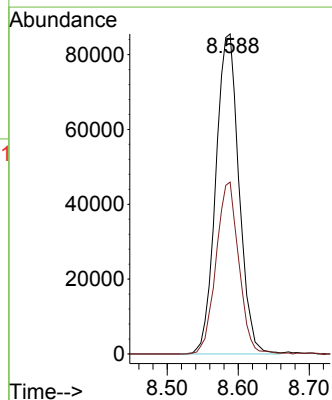
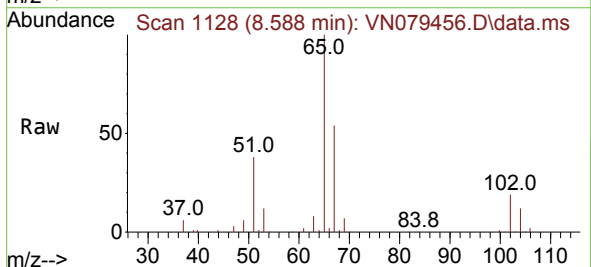
RT: 8.588 min Scan# 1128

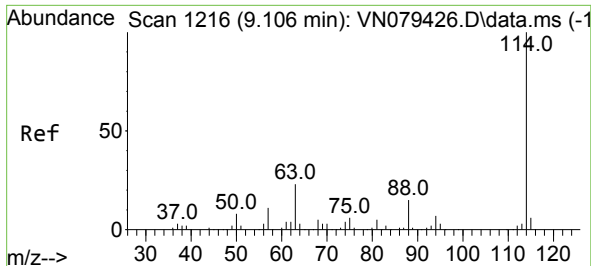
Delta R.T. 0.006 min

Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

Tgt Ion: 65	Resp: 193366
Ion Ratio	Lower Upper
65	100
67	52.8 0.0 106.6

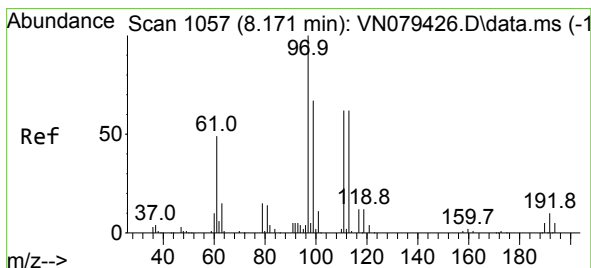
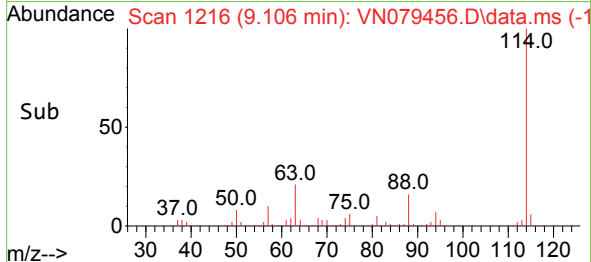
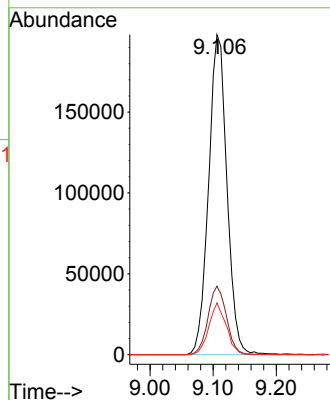
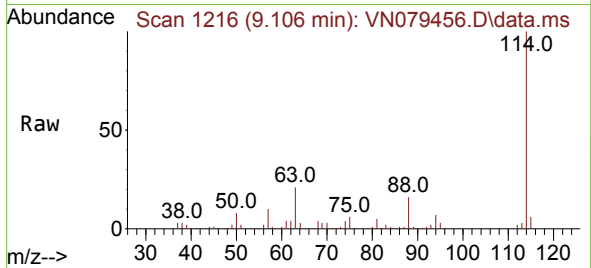




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

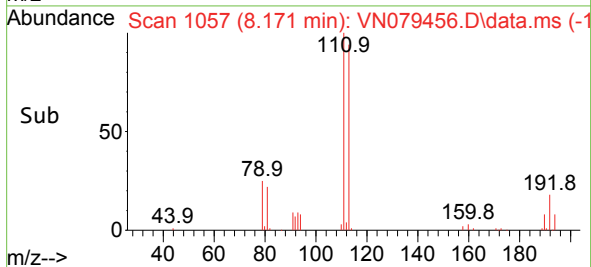
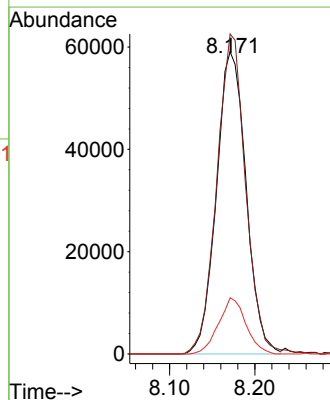
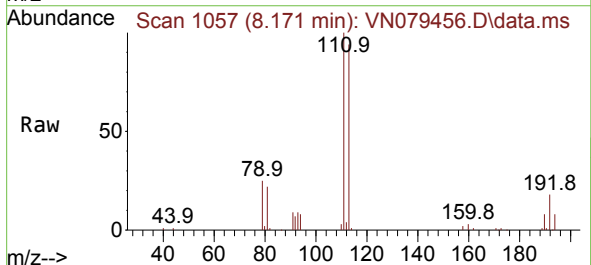
Instrument :
MSVOA_N
ClientSampleId :

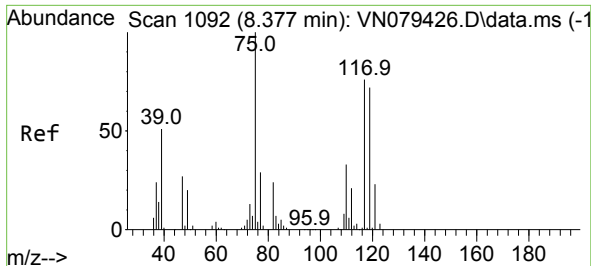
Tgt Ion:114 Resp: 399405
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.809 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Tgt Ion:113 Resp: 142966
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

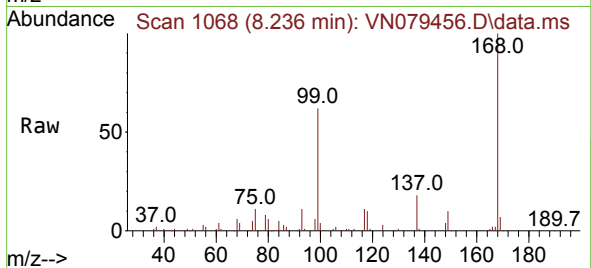
Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_N

ClientSampleId :



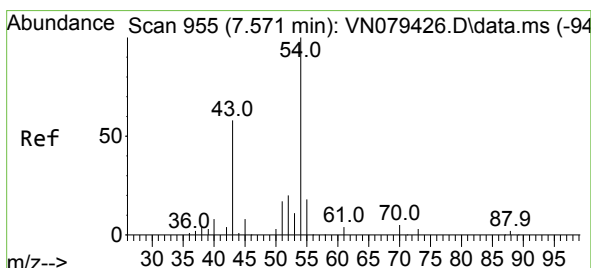
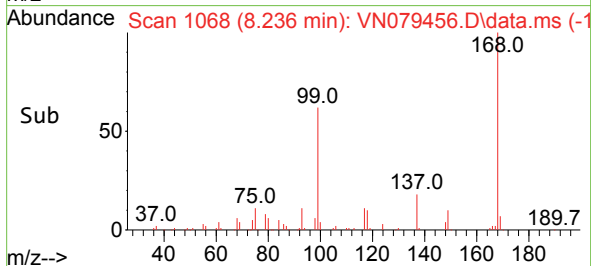
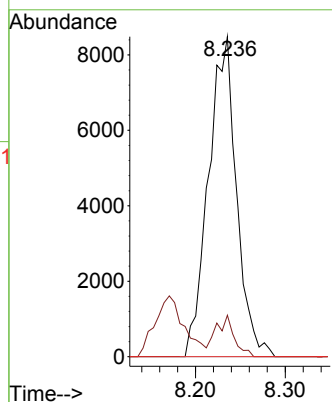
Tgt Ion: 75 Resp: 18445

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.299 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.006 min

Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

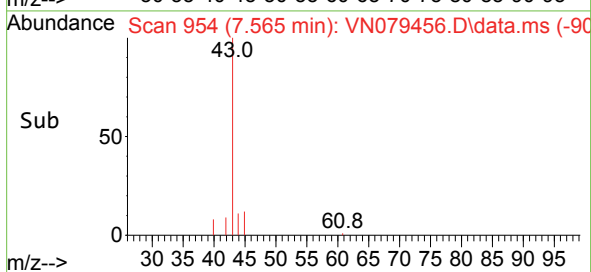
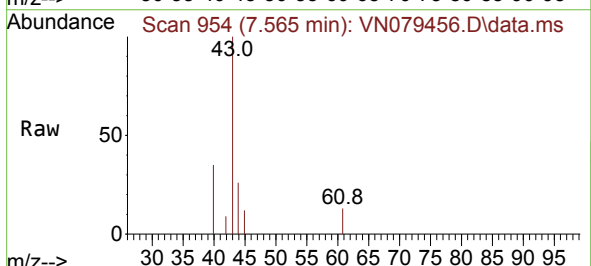
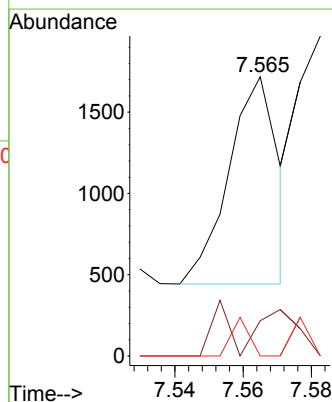
Tgt Ion: 43 Resp: 1280

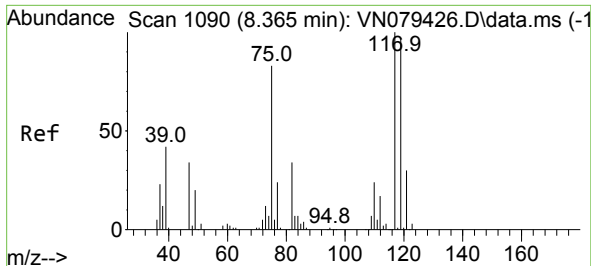
Ion Ratio Lower Upper

43 100

61 18.5 13.2 19.8

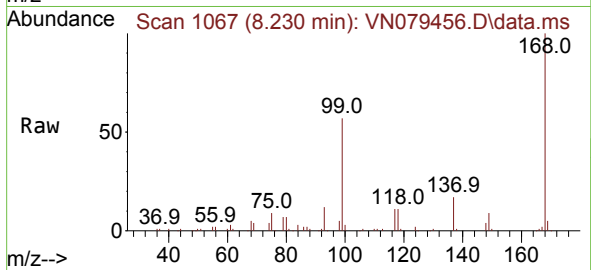
70 6.6 11.3 16.9#



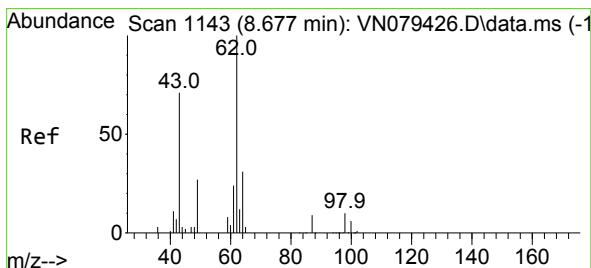
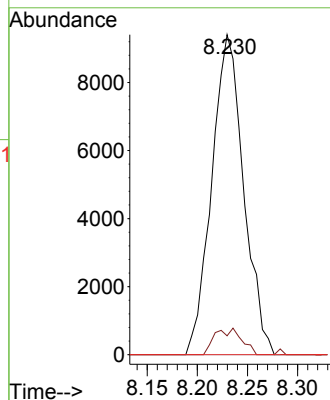
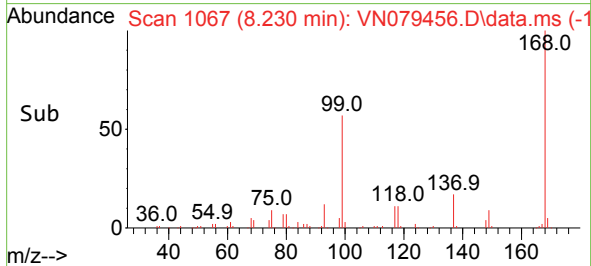


#38
Carbon Tetrachloride
Concen: 4.833 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

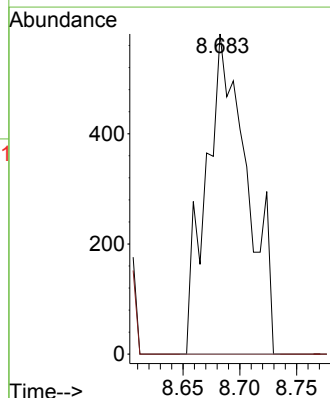
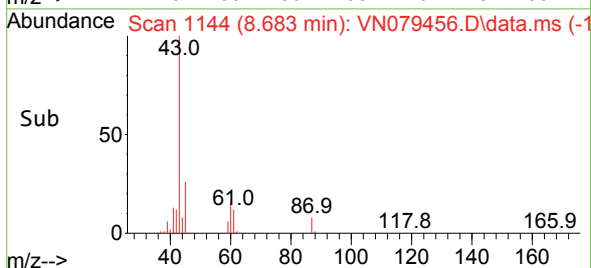
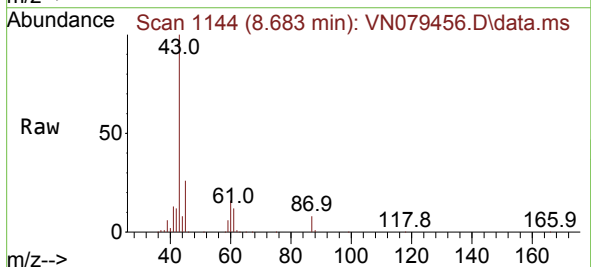


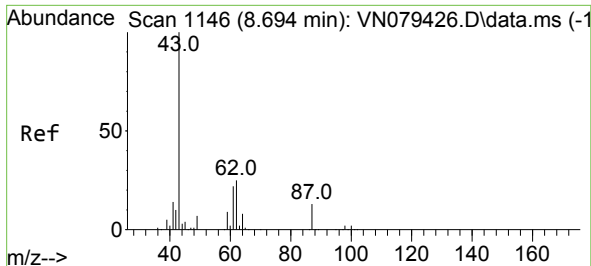
Tgt Ion:117 Resp: 20841
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.313 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

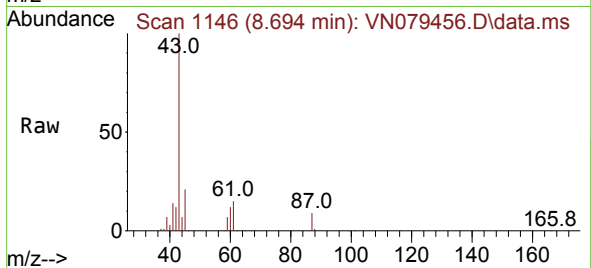
Tgt Ion: 62 Resp: 1454
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



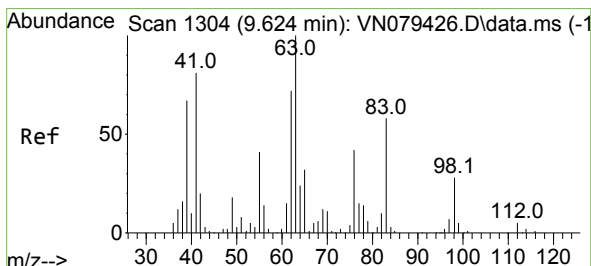
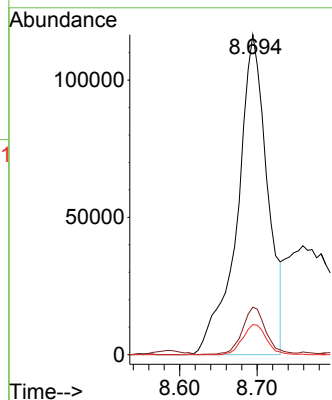
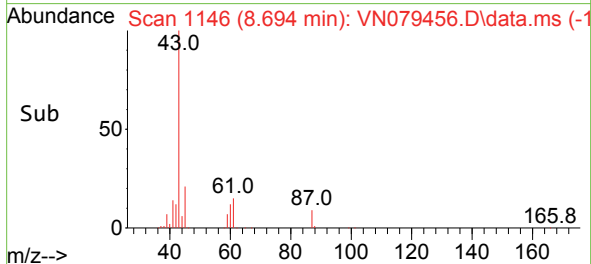


#43
Isopropyl Acetate
Concen: 42.011 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

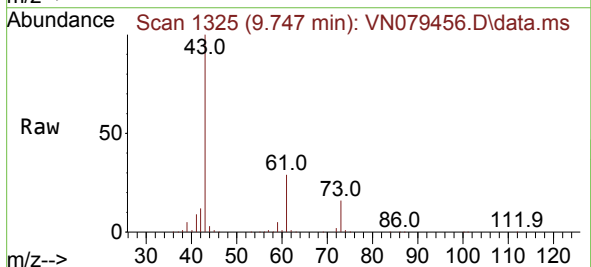
Instrument :
MSVOA_N
ClientSampleId :



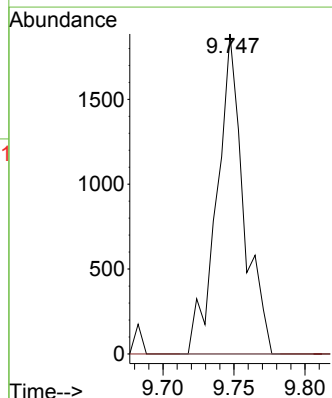
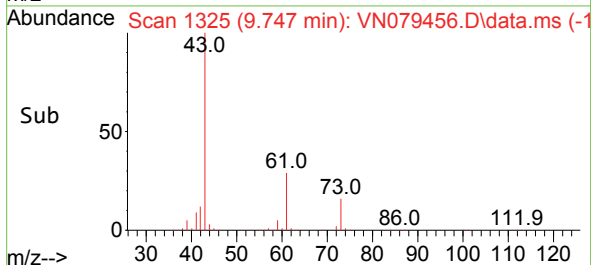
Tgt Ion: 43 Resp: 315488
Ion Ratio Lower Upper
43 100
61 11.7 24.7 37.1#
87 7.4 14.6 21.8#

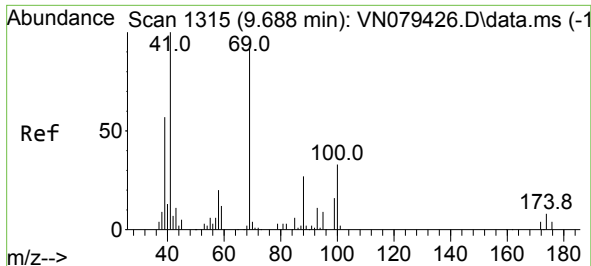


#45
1,2-Dichloropropane
Concen: 0.730 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44



Tgt Ion: 63 Resp: 2461
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 55.026 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.059 min

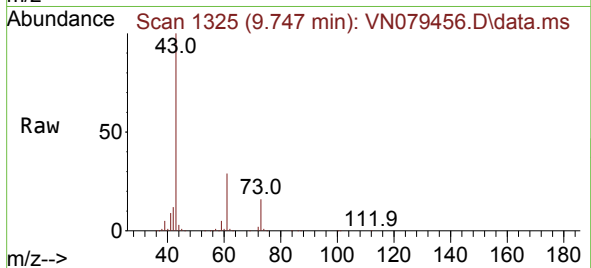
Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_N

ClientSampleId :



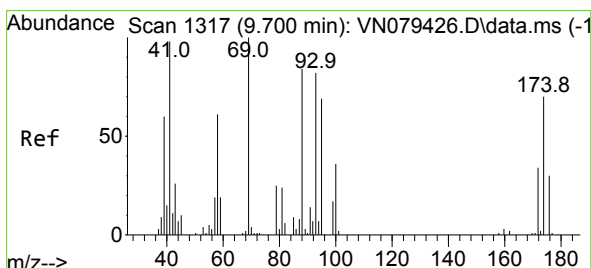
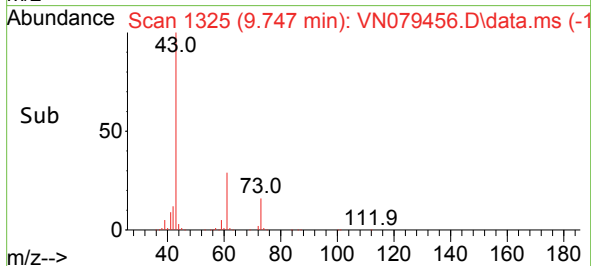
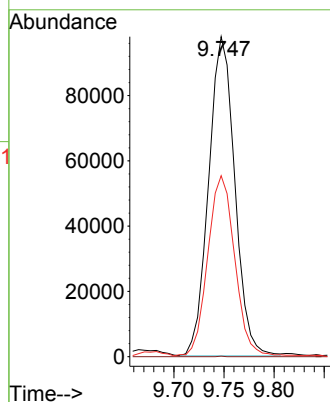
Tgt Ion: 41 Resp: 177076

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 58.3 54.6 81.8



#49

1,4-Dioxane

Concen: 3.593 ug/l

RT: 9.759 min Scan# 1327

Delta R.T. 0.059 min

Lab File: VN079456.D

Acq: 06 Oct 2023 18:44

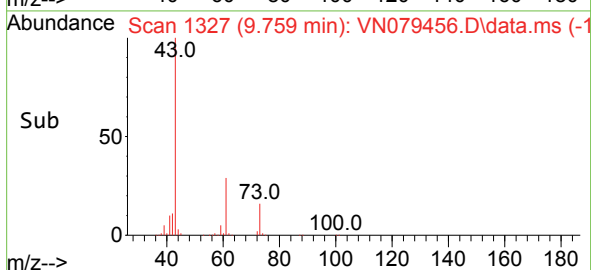
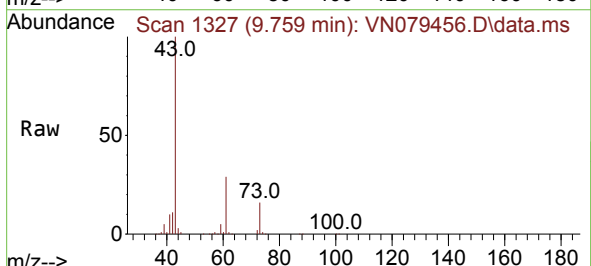
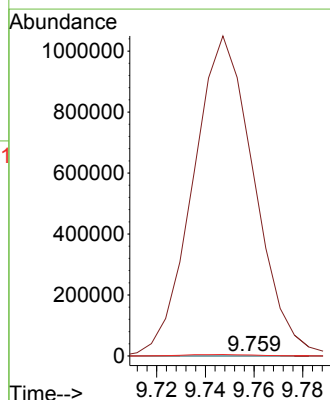
Tgt Ion: 88 Resp: 213

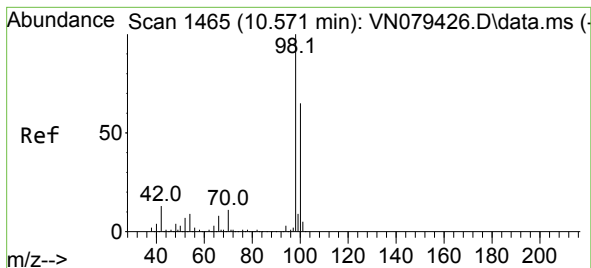
Ion Ratio Lower Upper

88 100

43 868973.7 17.0 25.6#

58 4620.2 47.0 70.4#

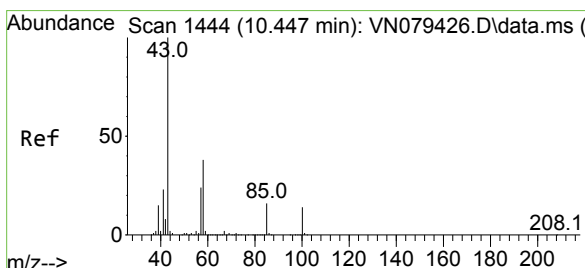
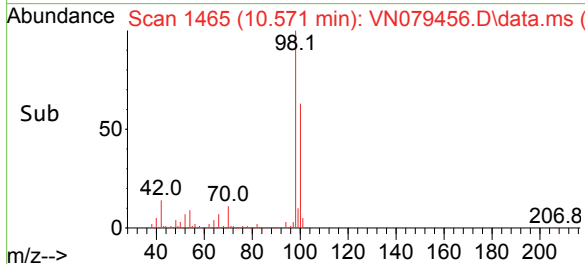
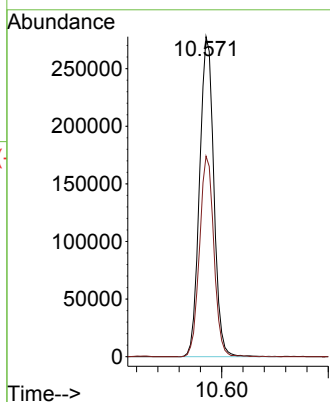
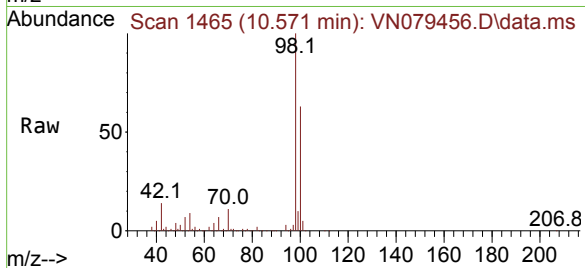




#50
Toluene-d8
Concen: 49.529 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

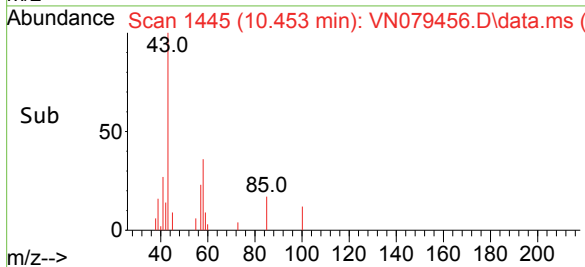
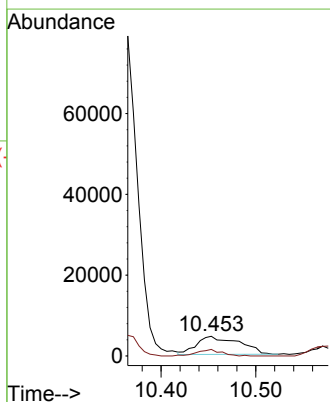
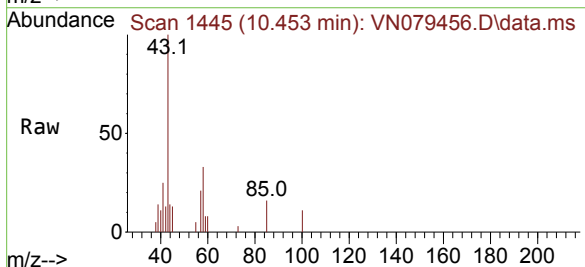
Instrument :
MSVOA_N
ClientSampleId :

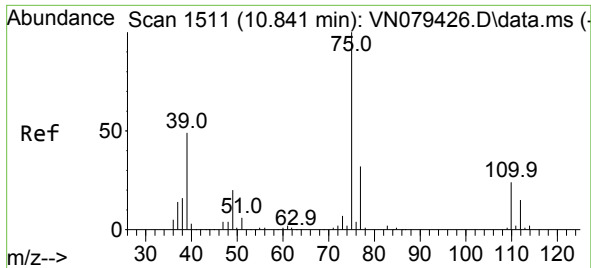
Tgt Ion: 98 Resp: 514386
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.322 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 43 Resp: 14082
Ion Ratio Lower Upper
43 100
58 20.3 36.6 54.8#

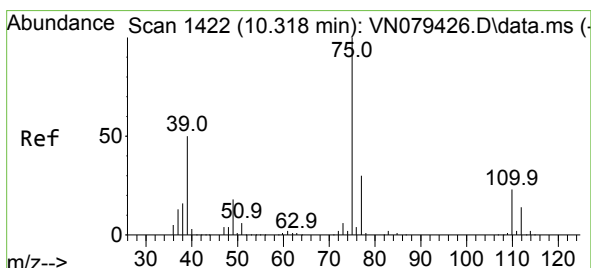
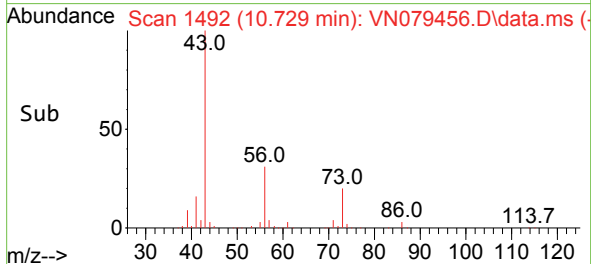
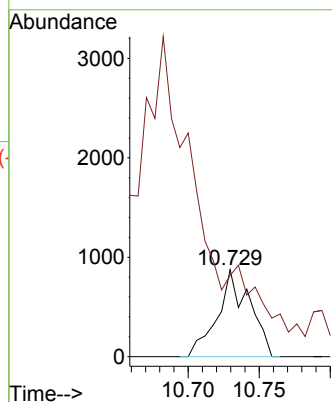
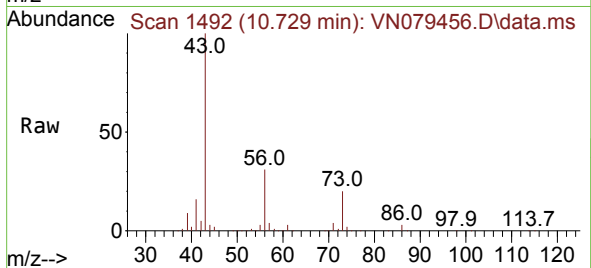




#53
t-1,3-Dichloropropene
Concen: 0.303 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

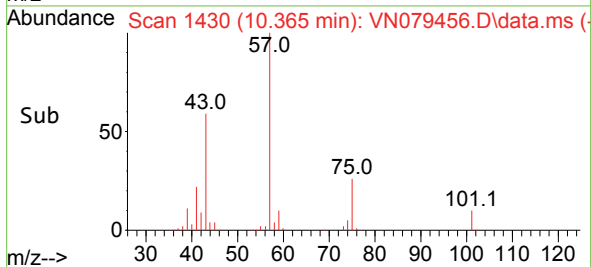
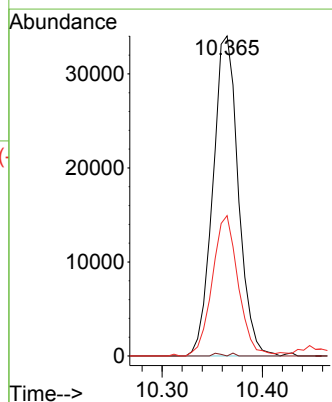
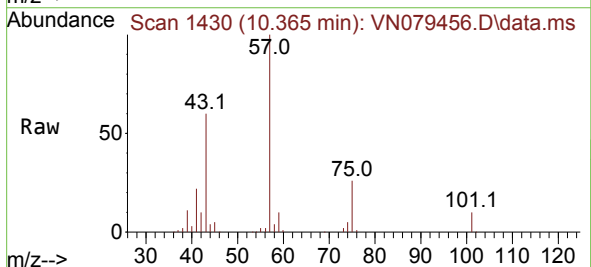
Instrument :
MSVOA_N
ClientSampleId :

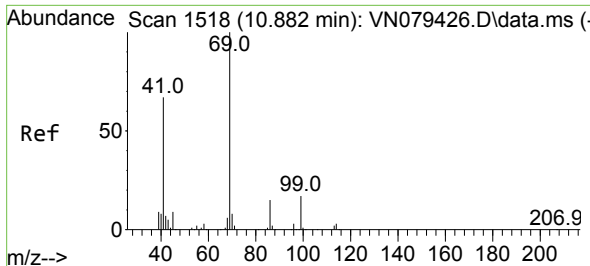
Tgt Ion: 75 Resp: 1371
Ion Ratio Lower Upper
75 100
77 44.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.133 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

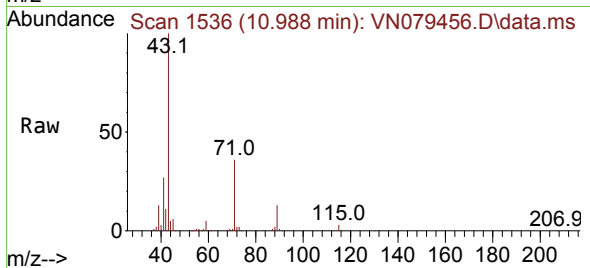
Tgt Ion: 75 Resp: 60107
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 43.9 31.6 47.4



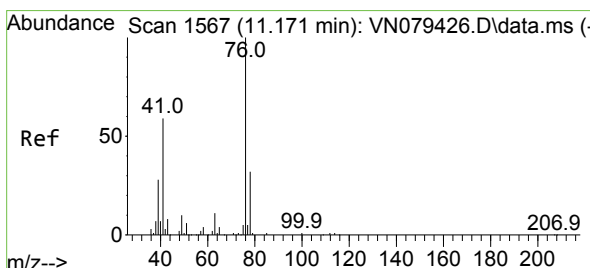
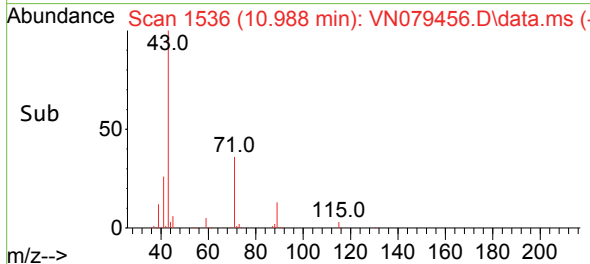
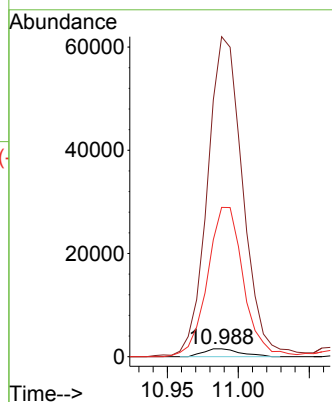


#56
Ethyl methacrylate
Concen: 0.665 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Instrument :
MSVOA_N
ClientSampleId :

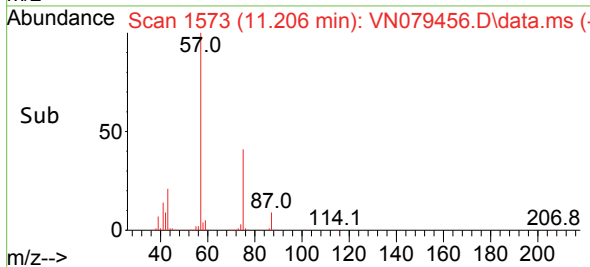
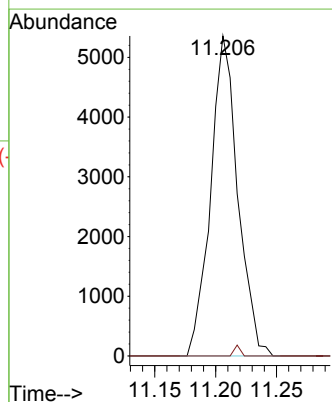
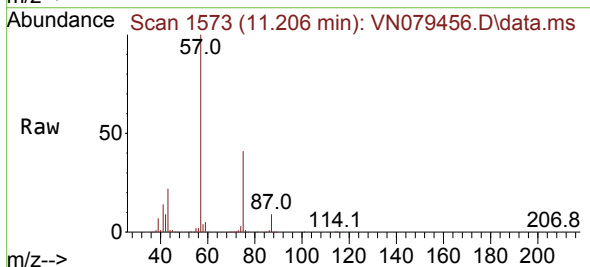


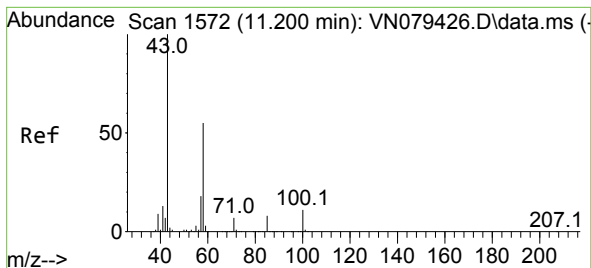
Tgt Ion: 69 Resp: 2763
Ion Ratio Lower Upper
69 100
41 3908.9 39.6 59.4#
39 1843.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.596 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

Tgt Ion: 76 Resp: 8334
Ion Ratio Lower Upper
76 100
78 0.8 26.1 39.1#

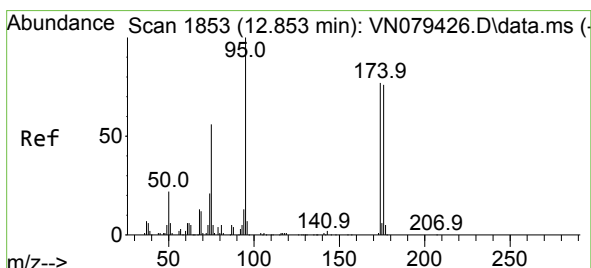
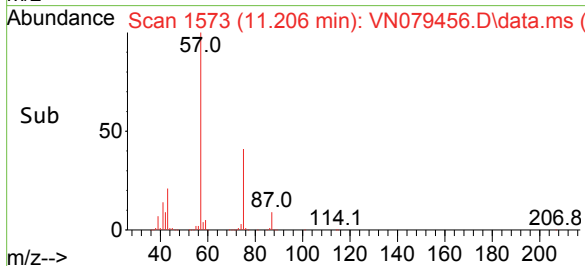
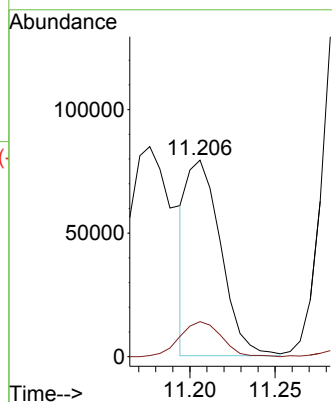
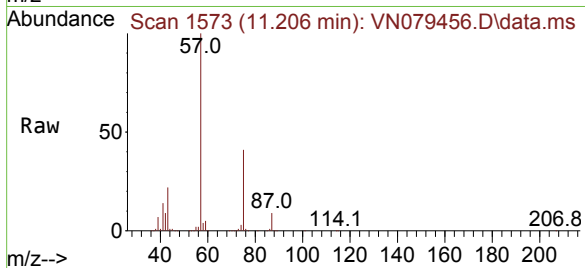




#59
2-Hexanone
Concen: 35.654 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

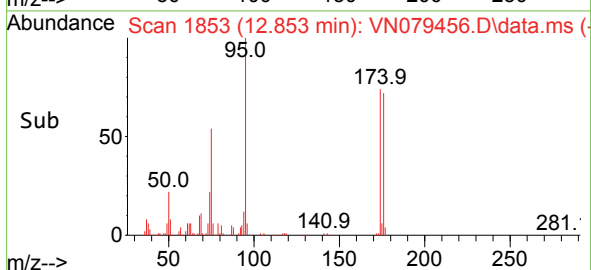
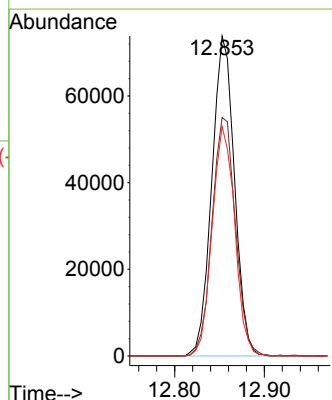
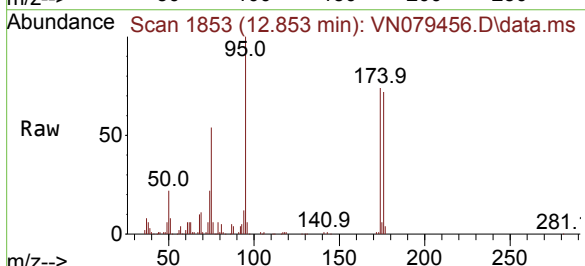
Instrument :
MSVOA_N
ClientSampleId :

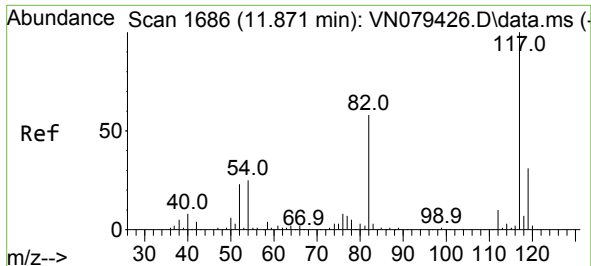
Tgt Ion: 43 Resp: 109068
Ion Ratio Lower Upper
43 100
58 22.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 38.771 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

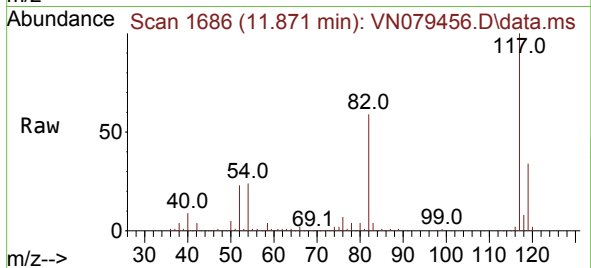
Tgt Ion: 95 Resp: 129221
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.8
176 71.4 0.0 135.8



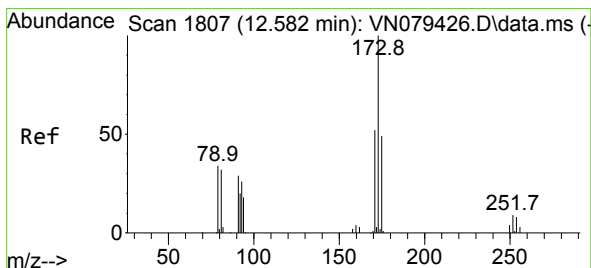
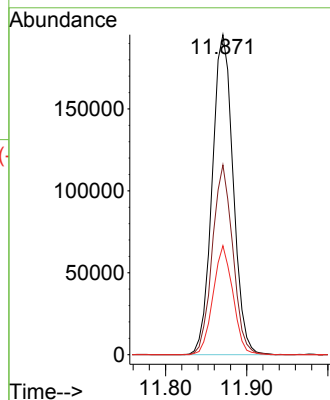
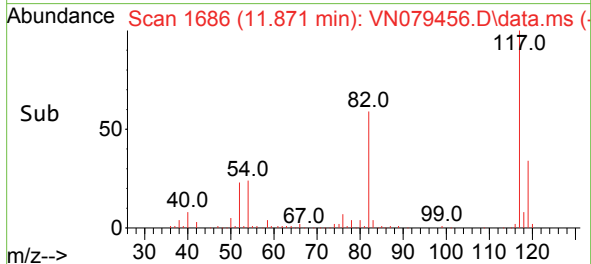


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44

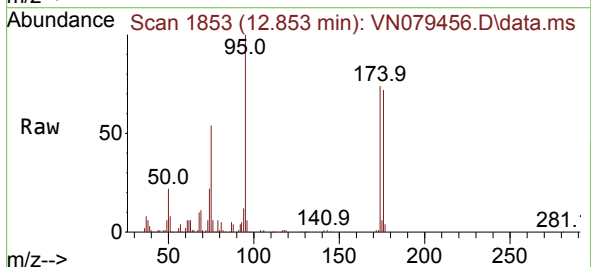
Instrument :
MSVOA_N
ClientSampleId :



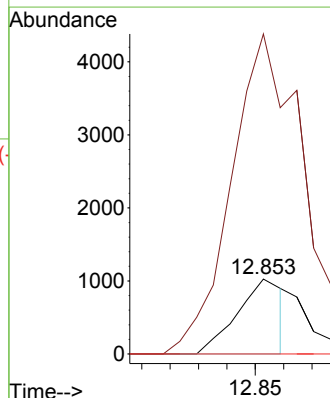
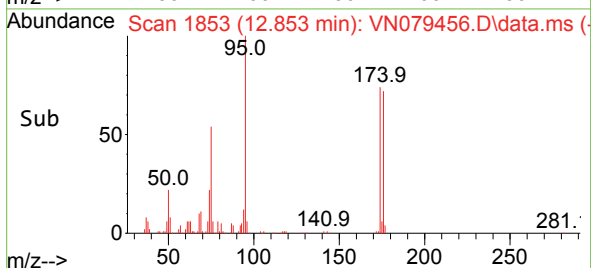
Tgt Ion:117 Resp: 350431
Ion Ratio Lower Upper
117 100
82 59.3 44.0 66.0
119 34.0 25.6 38.4

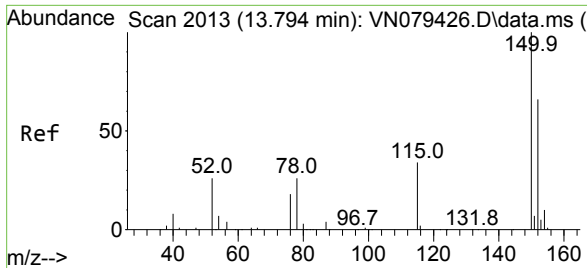


#71
Bromoform
Concen: 0.555 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079456.D
Acq: 06 Oct 2023 18:44



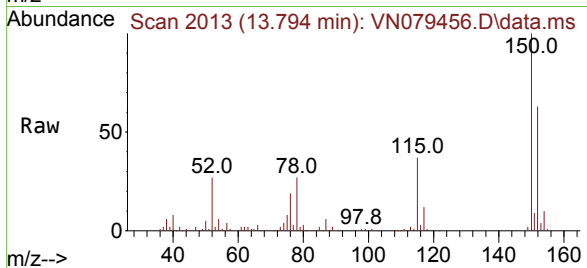
Tgt Ion:173 Resp: 1160
Ion Ratio Lower Upper
173 100
175 464.8 24.3 73.0#
254 0.0 0.0 0.0



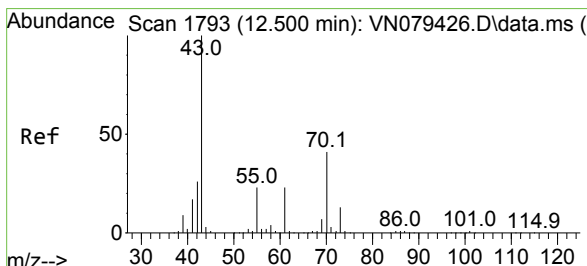
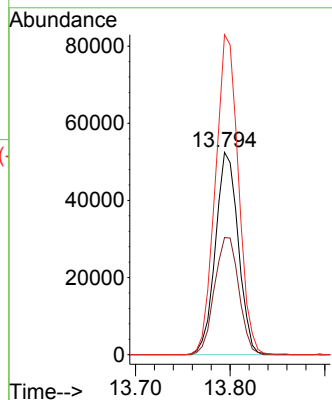
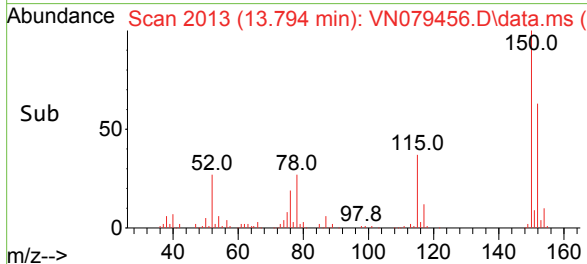


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079456.D
 Acq: 06 Oct 2023 18:44

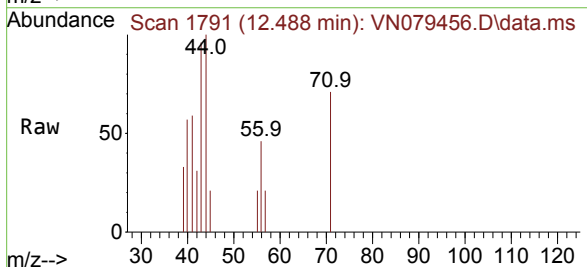
Instrument :
 MSVOA_N
 ClientSampleId :



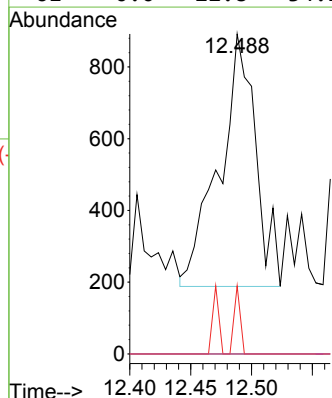
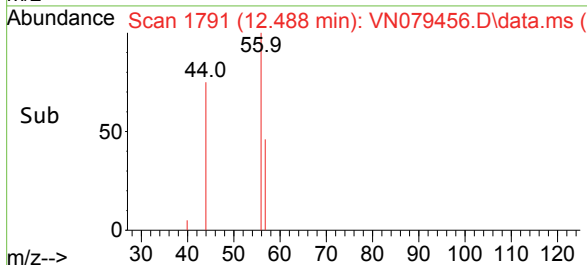
Tgt Ion:152 Resp: 87878
 Ion Ratio Lower Upper
 152 100
 115 61.7 32.3 96.8
 150 159.6 0.0 355.8

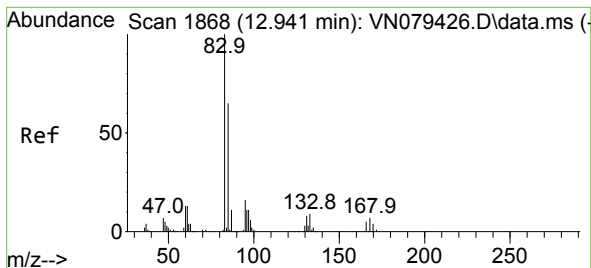


#74
 N-ethyl acetate
 Concen: 0.437 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN079456.D
 Acq: 06 Oct 2023 18:44



Tgt Ion: 43 Resp: 1463
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 4.6 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: VN079456.D

Acq: 06 Oct 2023 18:44

Instrument :

MSVOA_N

ClientSampleId :

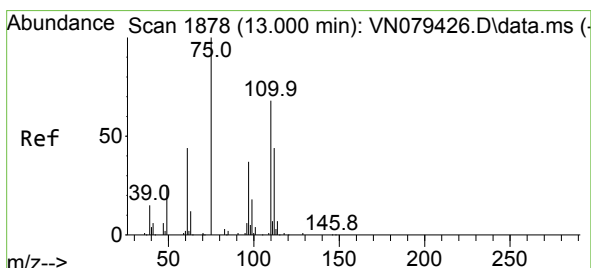
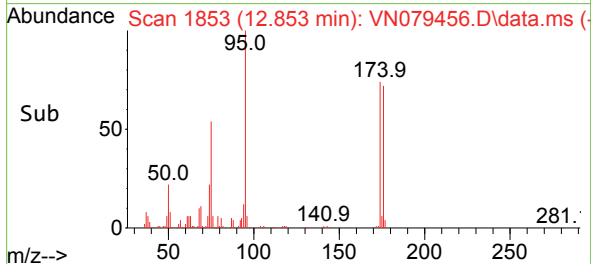
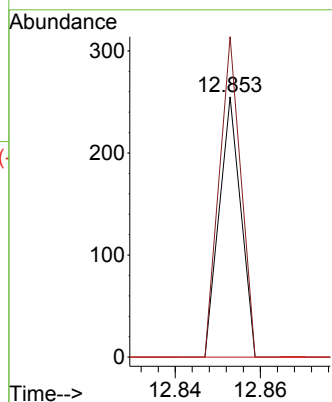
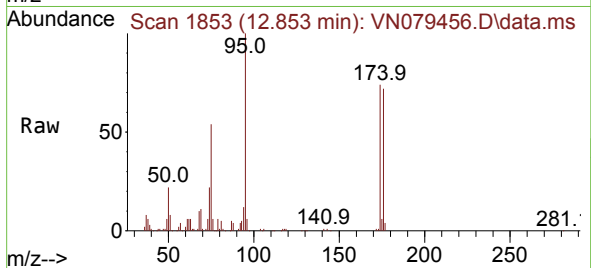
Tgt Ion: 83 Resp: 90

Ion Ratio Lower Upper

83 100

131 123.3 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.985 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079456.D

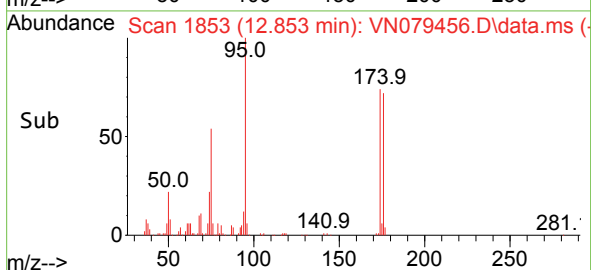
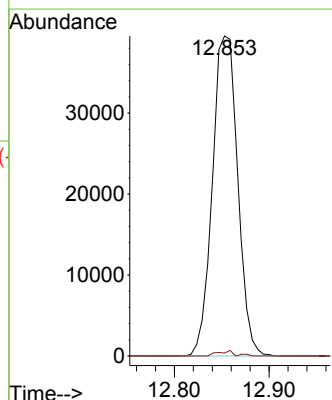
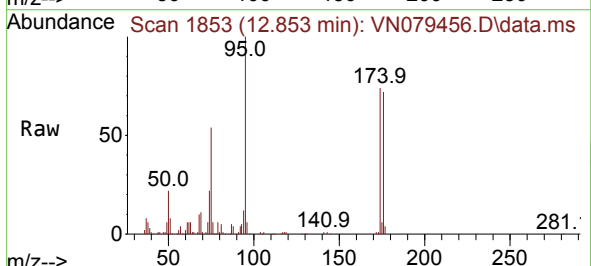
Acq: 06 Oct 2023 18:44

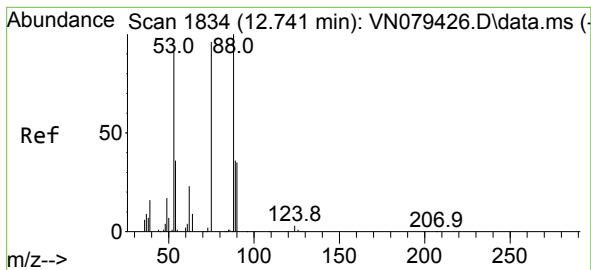
Tgt Ion: 75 Resp: 73440

Ion Ratio Lower Upper

75 100

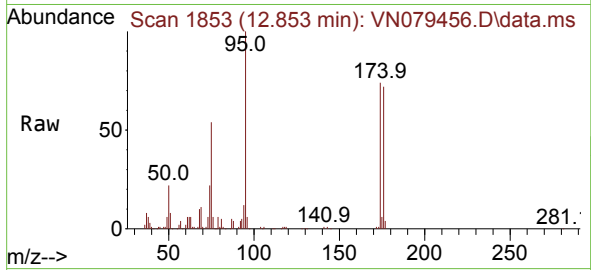
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.100 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079456.D
 Acq: 06 Oct 2023 18:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 73440
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

