

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078256.D
 Acq On : 16 Jun 2023 13:41
 Operator : JC\MD
 Sample : PB153477TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 02:22:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

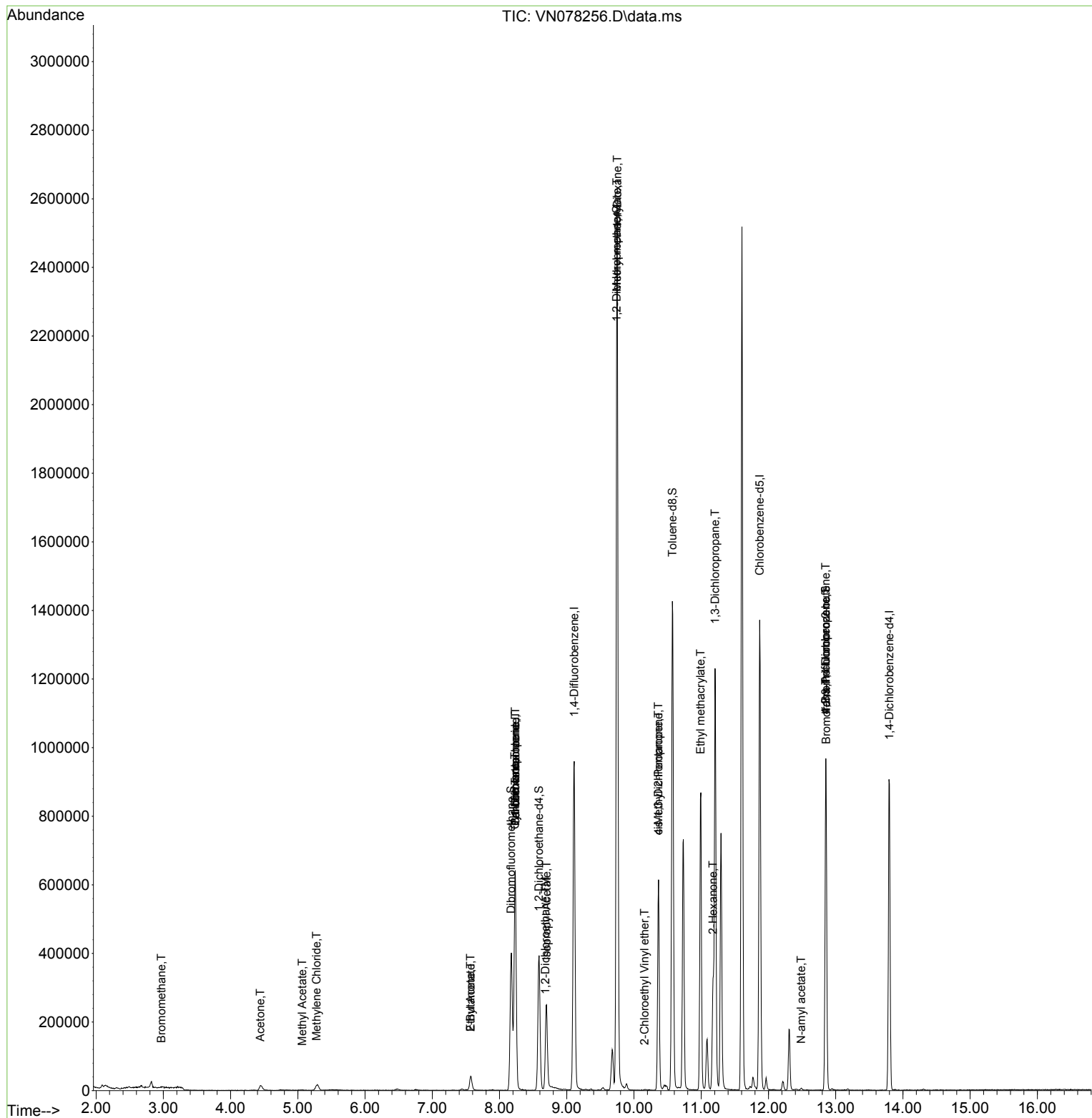
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	451816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	844073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	799997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	322470	53.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.060%	
35) Dibromofluoromethane	8.171	113	289632	54.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.540%	
50) Toluene-d8	10.571	98	1023863	49.764	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.853	95	331573	51.840	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.680%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	849	Below Cal	#	55
5) Bromomethane	2.971	94	1453	0.287	ug/l #	80
16) Acetone	4.442	43	27198	15.686	ug/l	88
18) Methyl Acetate	5.065	43	3053	0.382	ug/l #	75
20) Methylene Chloride	5.277	84	5883	1.027	ug/l #	91
25) 2-Butanone	7.571	43	61394	23.025	ug/l #	37
31) Cyclohexane	8.230	56	11450	1.482	ug/l #	40
36) 1,1-Dichloropropene	8.236	75	39377	5.144	ug/l #	48
37) Ethyl Acetate	7.571	43	61394	10.266	ug/l	96
38) Carbon Tetrachloride	8.236	117	51446	6.365	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1925	0.246	ug/l #	73
43) Isopropyl Acetate	8.700	43	284172	24.847	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	3097	0.545	ug/l #	45
48) Methyl methacrylate	9.747	41	227928	47.489	ug/l #	29
49) 1,4-Dioxane	9.753	88	321	3.182	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	214695	35.648	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	109616	12.239	ug/l #	69
56) Ethyl methacrylate	10.988	69	3636	0.457	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	13119	1.424	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	673	0.210	ug/l	95
59) 2-Hexanone	11.176	43	241611	57.616	ug/l #	19
71) Bromoform	12.859	173	3159	0.777	ug/l #	1
74) N-amyl acetate	12.488	43	2109	0.272	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.947	83	63	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	179292	30.410	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	179292	93.429	ug/l #	15

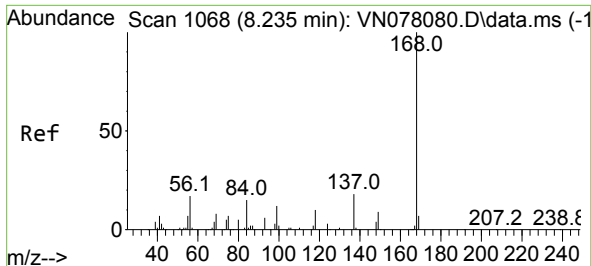
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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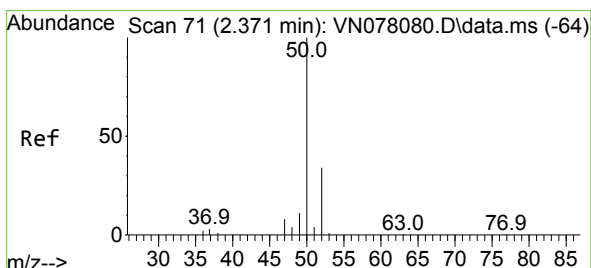
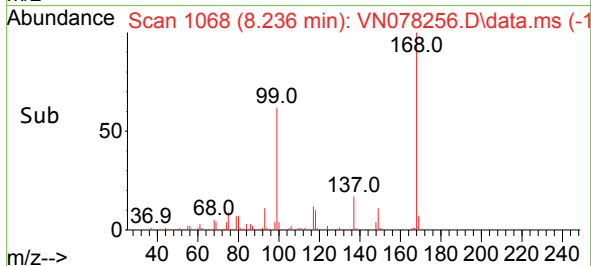
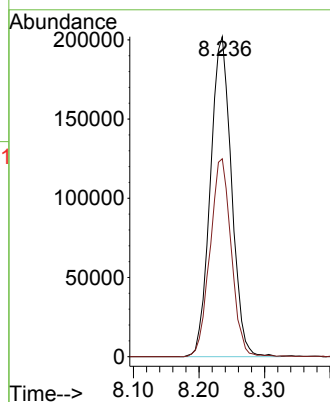
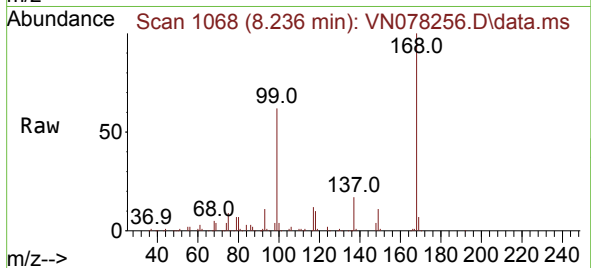




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

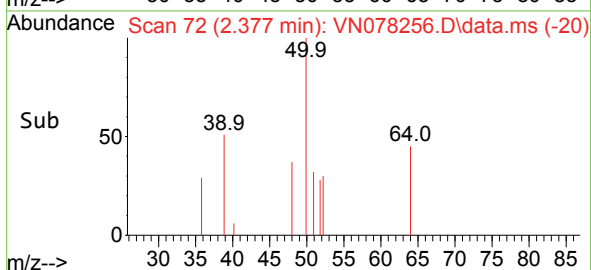
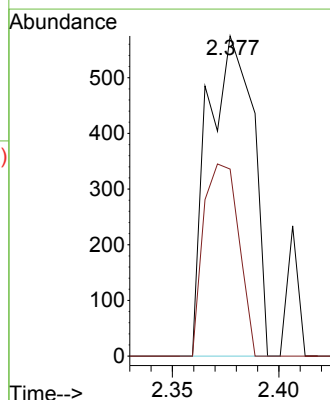
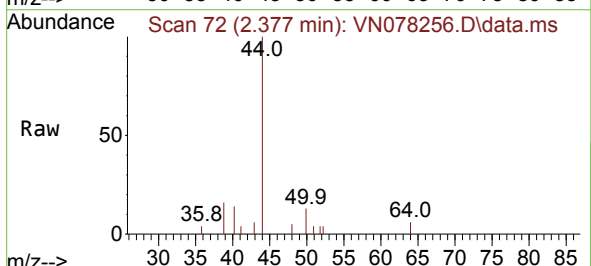
Instrument :
MSVOA_N
ClientSampleId :

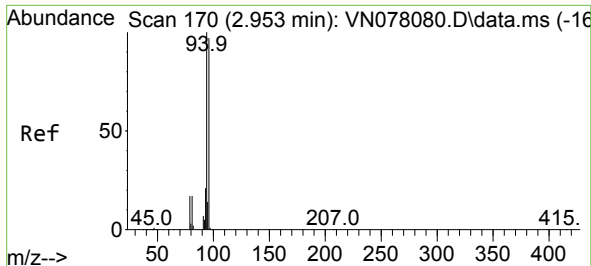
Tgt Ion:168 Resp: 451816
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 50 Resp: 849
Ion Ratio Lower Upper
50 100
52 58.4 26.5 39.7#

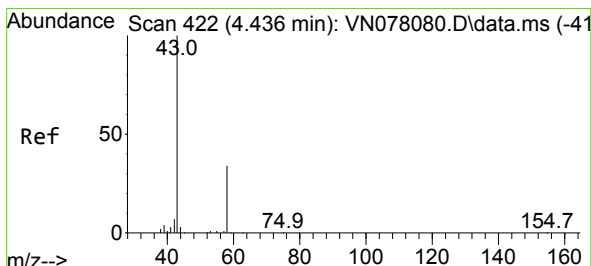
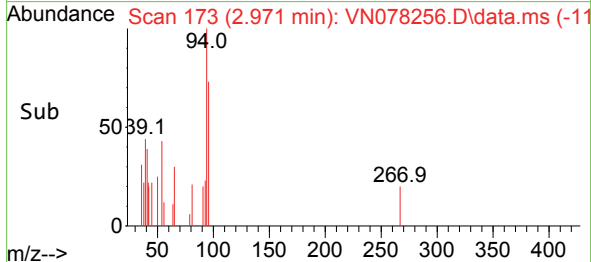
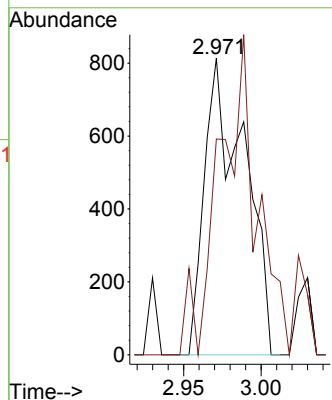
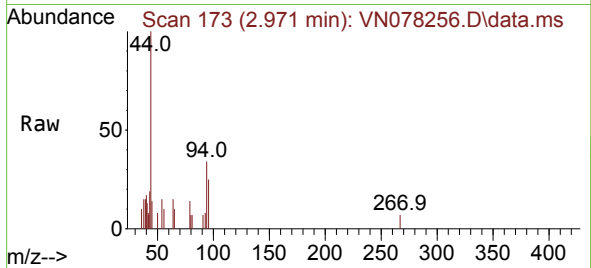




#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

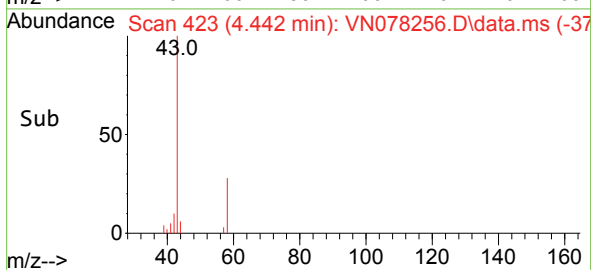
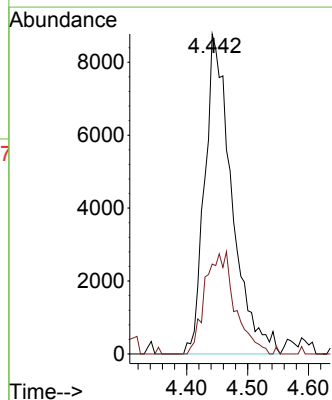
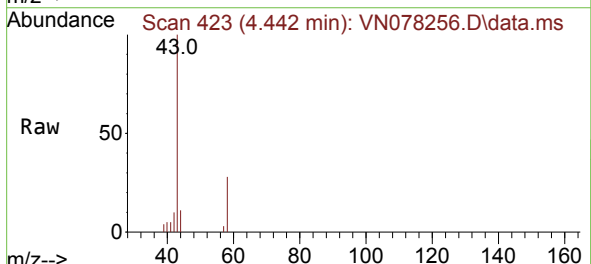
Instrument :
MSVOA_N
ClientSampleId :

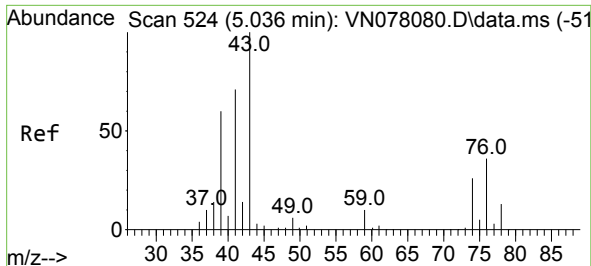
Tgt Ion: 94 Resp: 1453
Ion Ratio Lower Upper
94 100
96 72.7 73.1 109.7#



#16
Acetone
Concen: 15.686 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 43 Resp: 27198
Ion Ratio Lower Upper
43 100
58 28.1 28.0 42.0

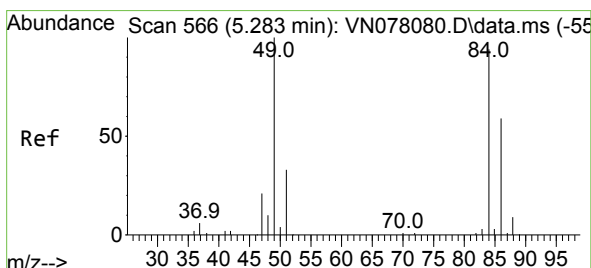
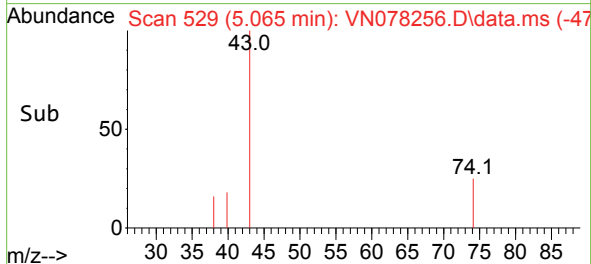
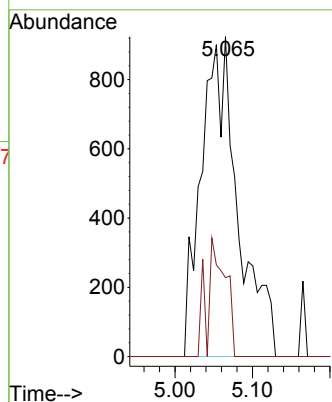
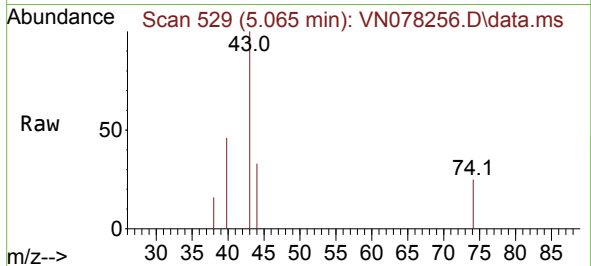




#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 5.065 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

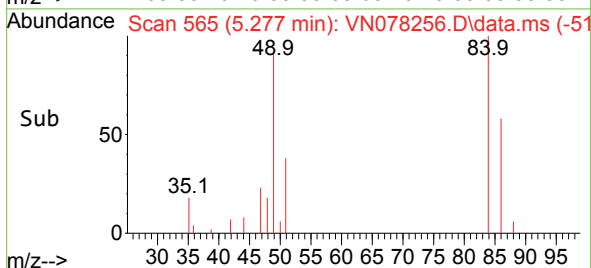
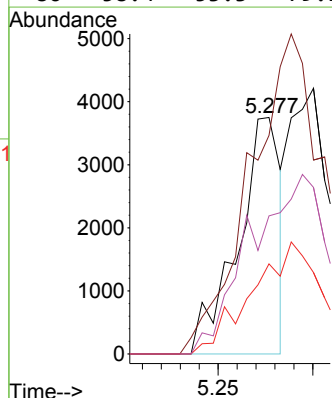
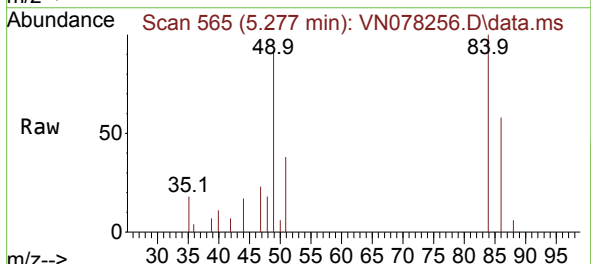
Instrument :
MSVOA_N
ClientSampleId :

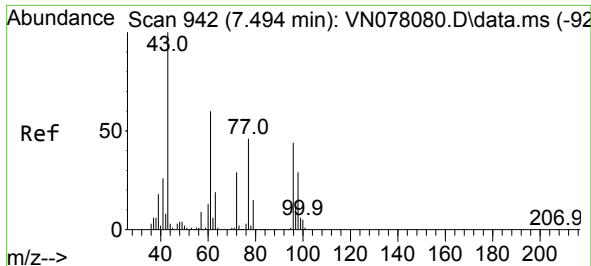
Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
74 18.5 26.2 39.4#



#20
Methylene Chloride
Concen: 1.027 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 84 Resp: 5883
Ion Ratio Lower Upper
84 100
49 92.4 79.7 119.5
51 38.1 25.2 37.8#
86 58.4 53.3 79.9

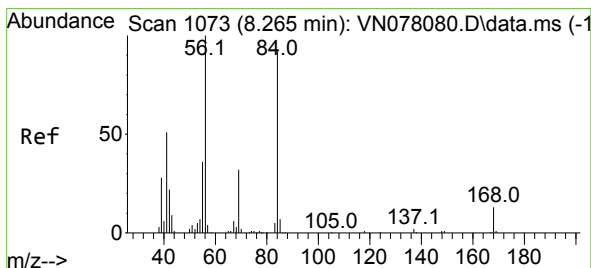
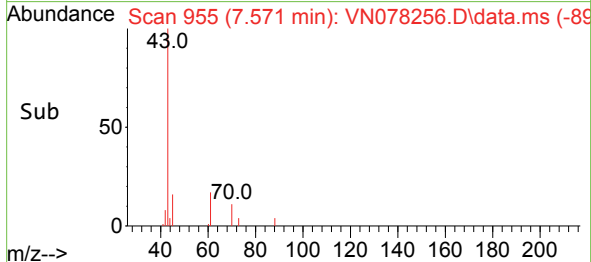
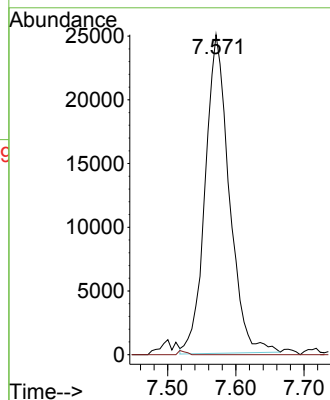
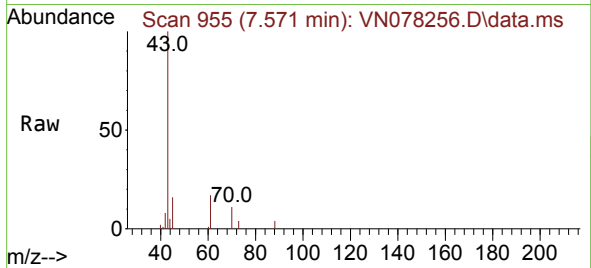




#25
2-Butanone
Concen: 23.025 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

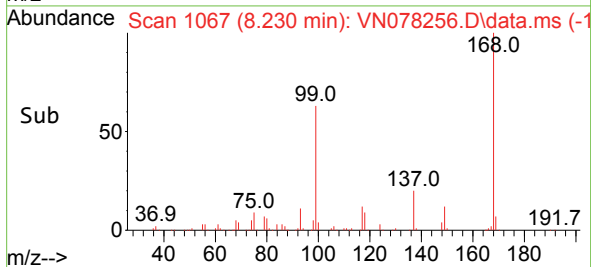
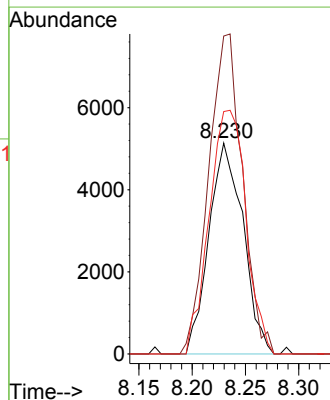
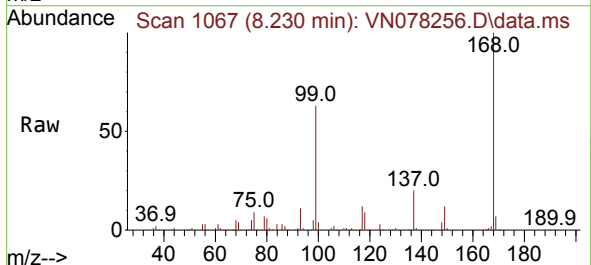
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MSVOA_N
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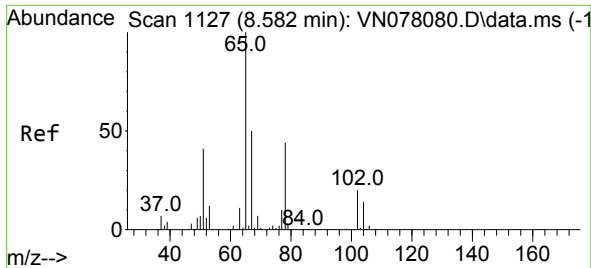
Tgt Ion: 43 Resp: 61394
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.482 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 56 Resp: 11450
Ion Ratio Lower Upper
56 100
69 150.7 26.8 40.2#
84 114.9 81.8 122.6

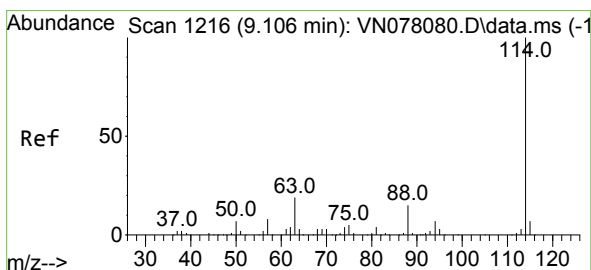
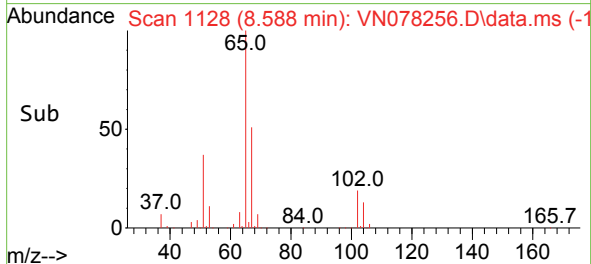
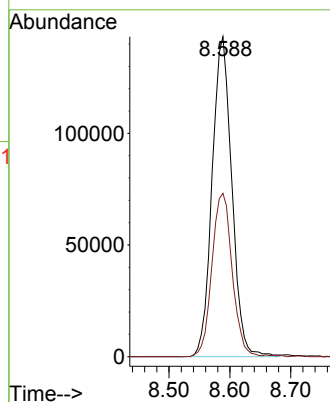
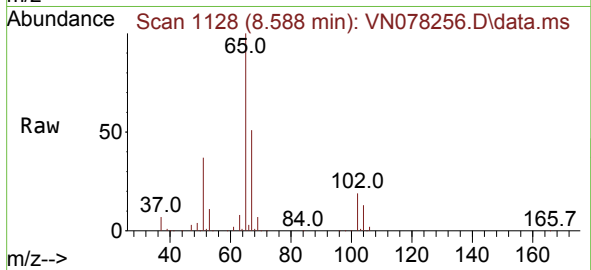




#33
1,2-Dichloroethane-d4
Concen: 53.530 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

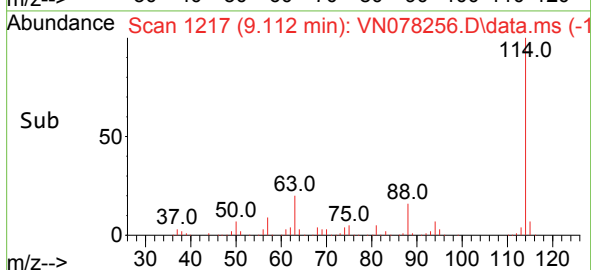
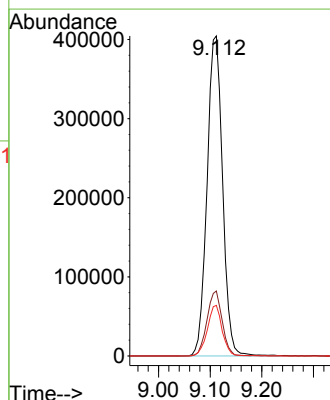
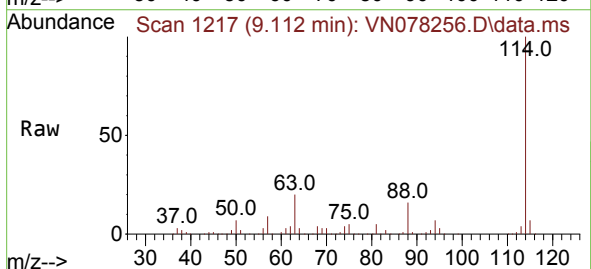
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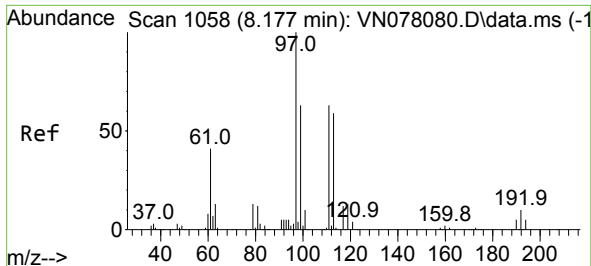
Tgt Ion: 65 Resp: 322470
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion:114 Resp: 844073
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 15.8 0.0 30.6

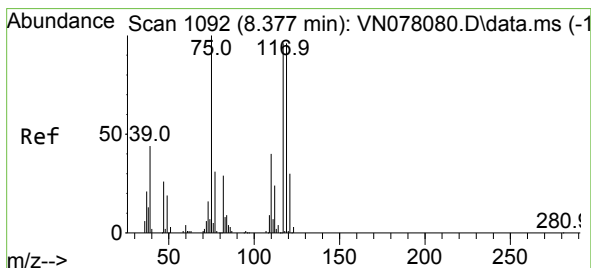
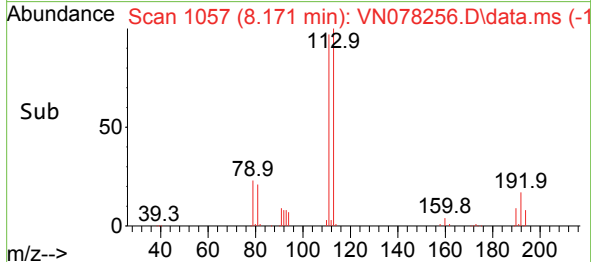
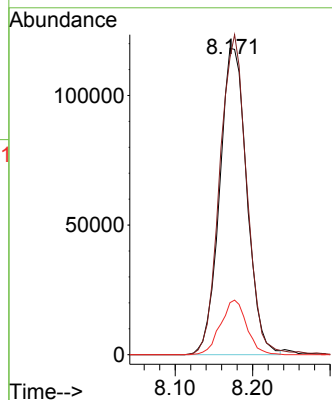
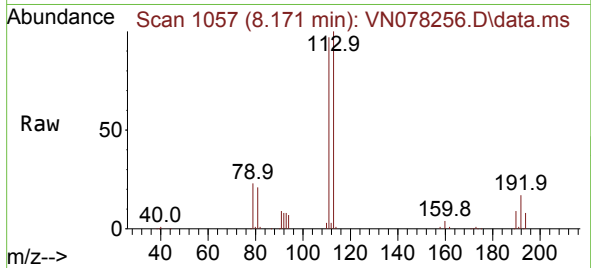




#35
Dibromofluoromethane
Concen: 54.269 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

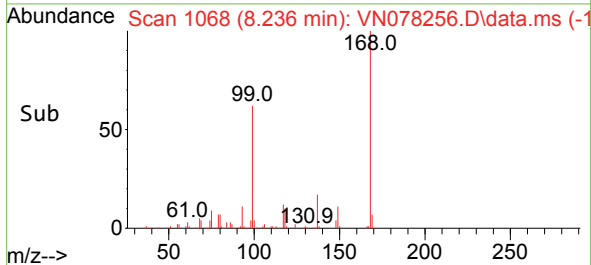
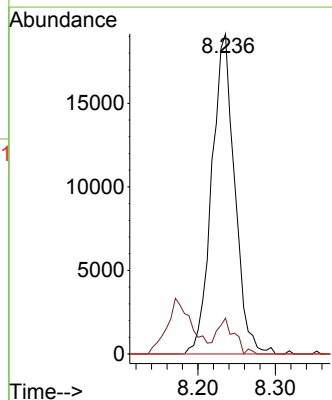
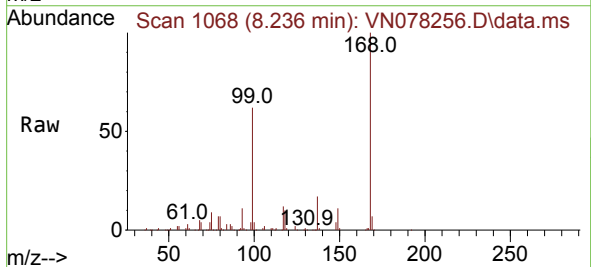
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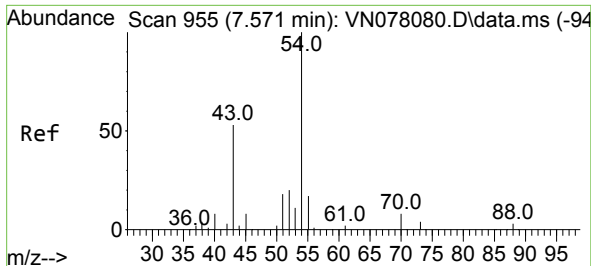
Tgt Ion:113 Resp: 289632
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 75 Resp: 39377
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 10.266 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.000 min

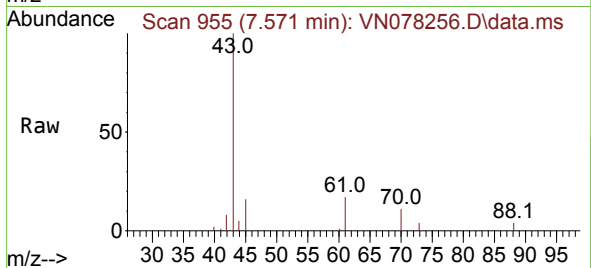
Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

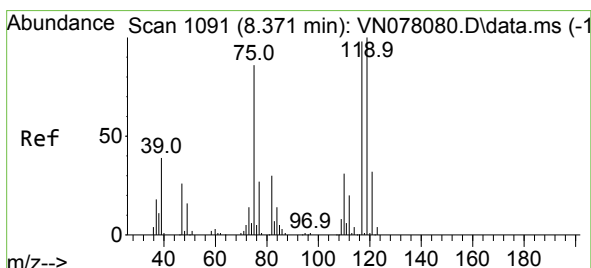
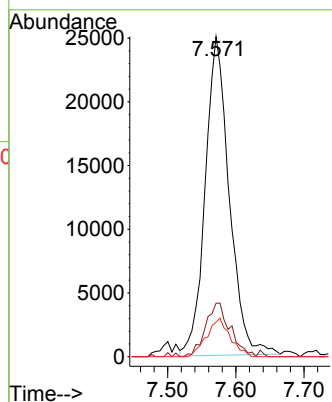
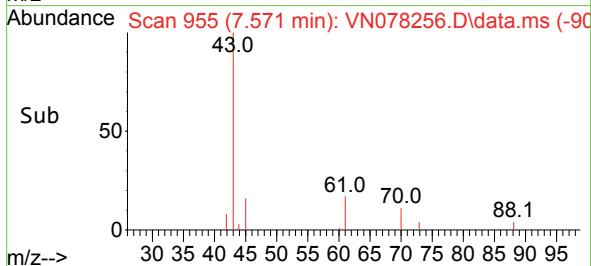
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	61394
Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.2	19.8
70	11.8	11.3	16.9



#38

Carbon Tetrachloride

Concen: 6.365 ug/l

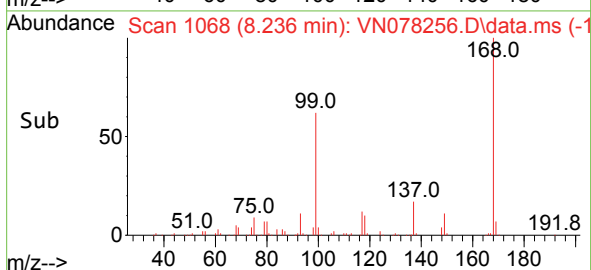
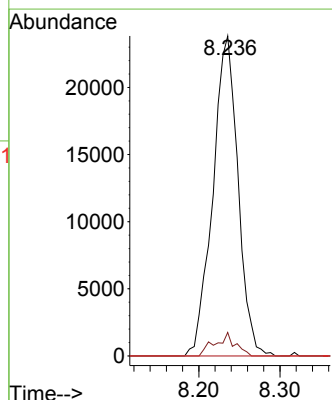
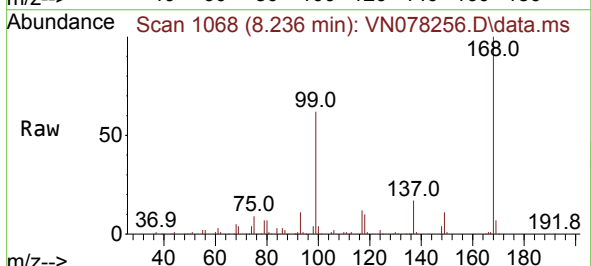
RT: 8.236 min Scan# 1068

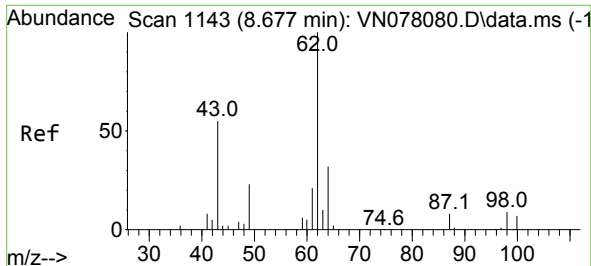
Delta R.T. -0.135 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Tgt Ion:	117	Resp:	51446
Ion	Ratio	Lower	Upper
117	100		
119	7.4	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.246 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Instrument :

MSVOA_N

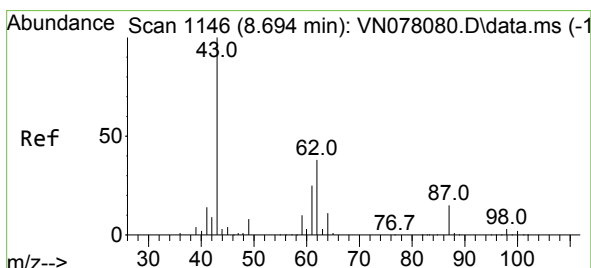
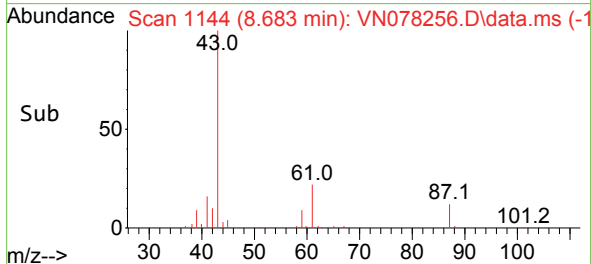
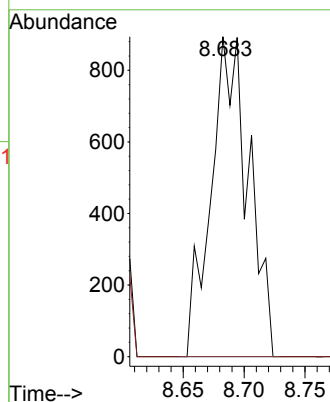
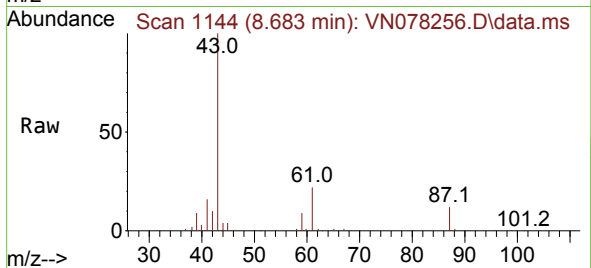
ClientSampleId :

Tgt Ion: 62 Resp: 1925

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.847 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

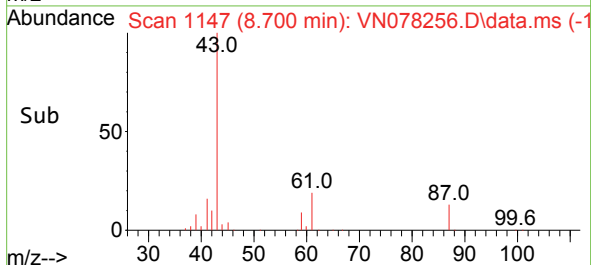
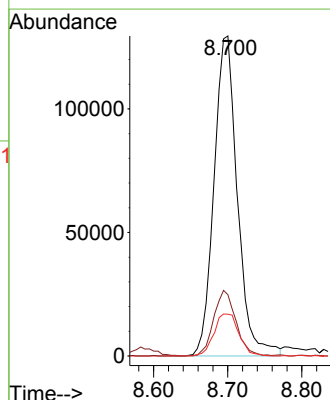
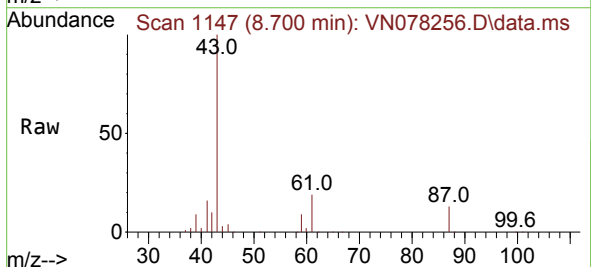
Tgt Ion: 43 Resp: 284172

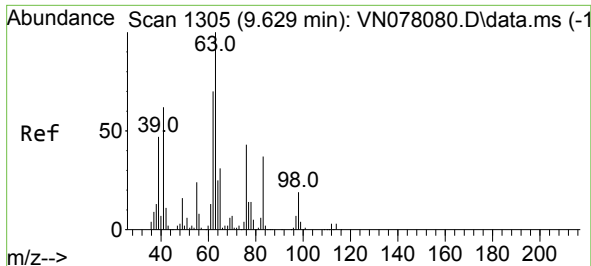
Ion Ratio Lower Upper

43 100

61 19.5 24.7 37.1#

87 14.0 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.545 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Instrument :

MSVOA_N

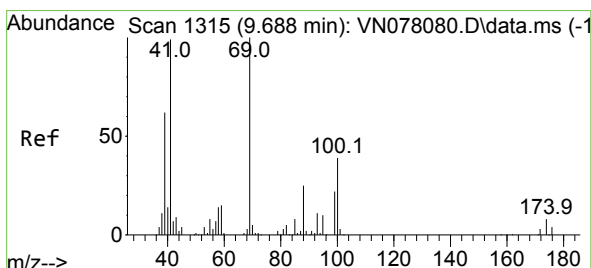
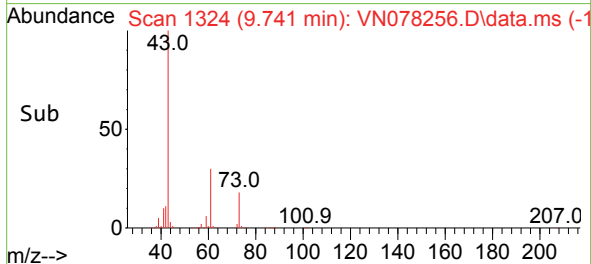
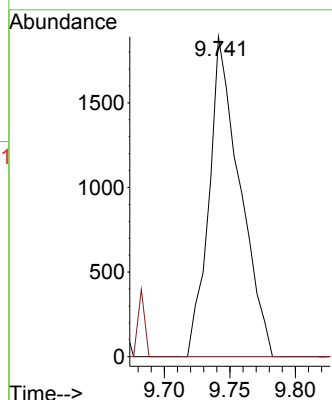
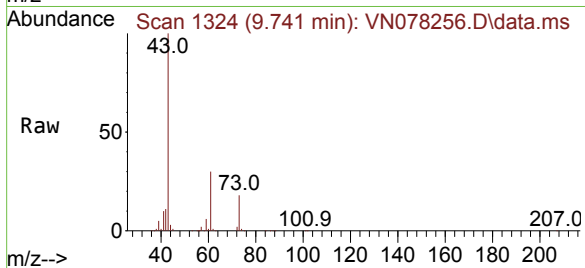
ClientSampleId :

Tgt Ion: 63 Resp: 3097

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 47.489 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

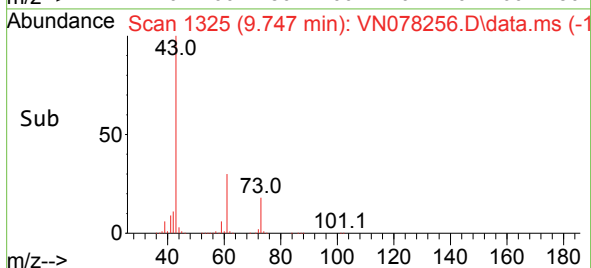
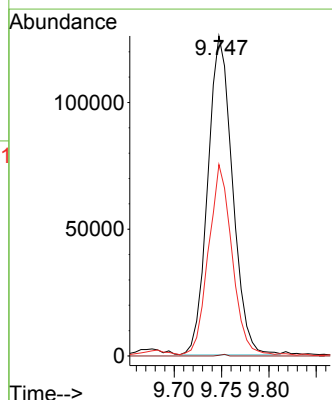
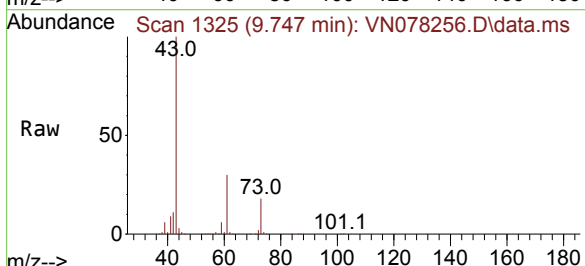
Tgt Ion: 41 Resp: 227928

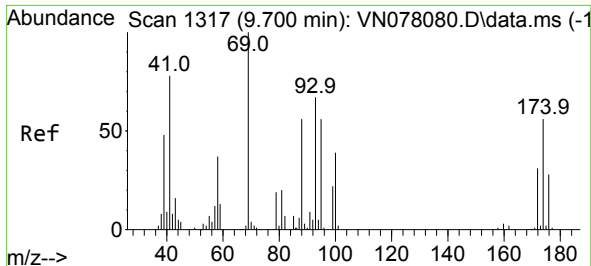
Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.8 54.6 81.8





#49

1,4-Dioxane

Concen: 3.182 ug/l

RT: 9.753 min Scan# 1317

Delta R.T. 0.053 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Instrument :

MSVOA_N

ClientSampleId :

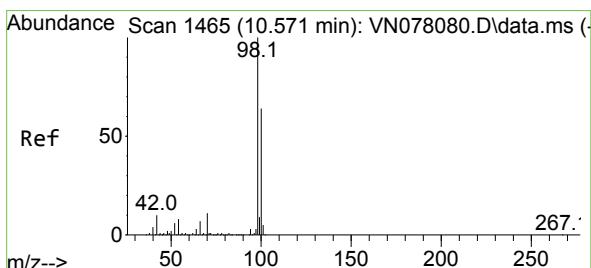
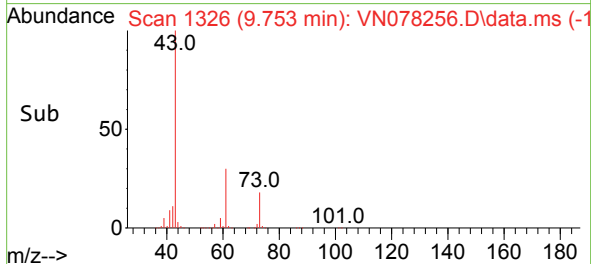
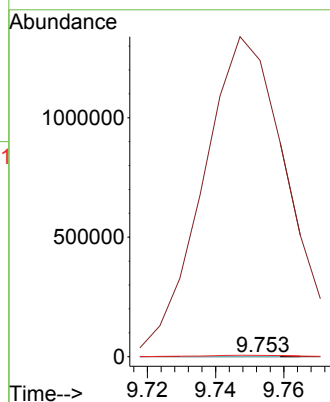
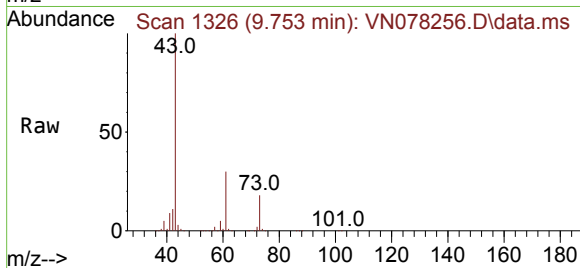
Tgt Ion: 88 Resp: 321

Ion Ratio Lower Upper

88 100

43 742461.1 17.0 25.6#

58 3587.2 47.0 70.4#



#50

Toluene-d8

Concen: 49.764 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078256.D

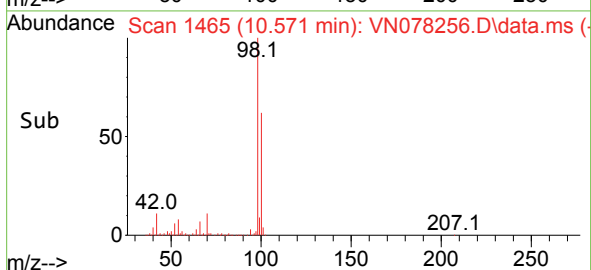
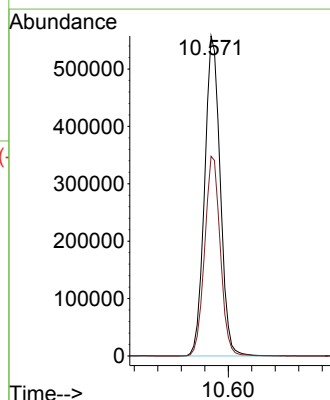
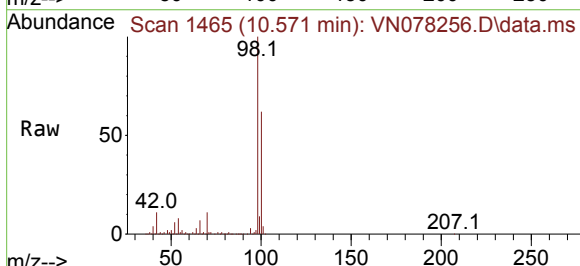
Acq: 16 Jun 2023 13:41

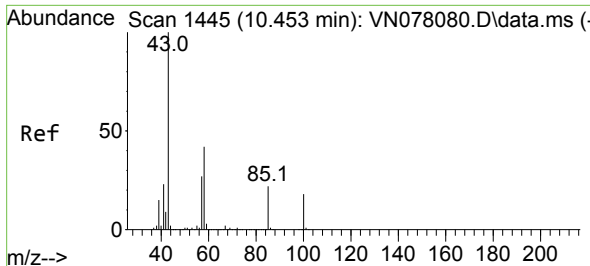
Tgt Ion: 98 Resp: 1023863

Ion Ratio Lower Upper

98 100

100 62.5 52.0 78.0

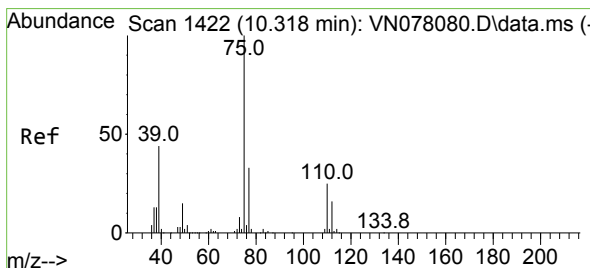
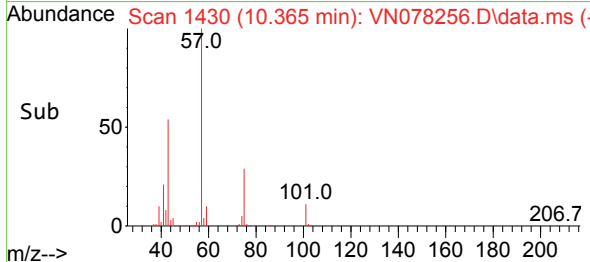
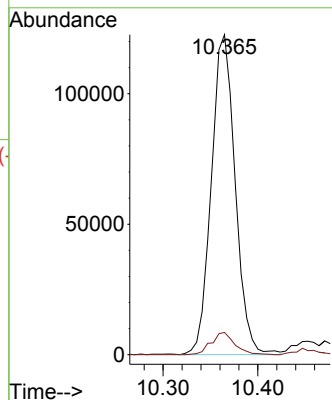
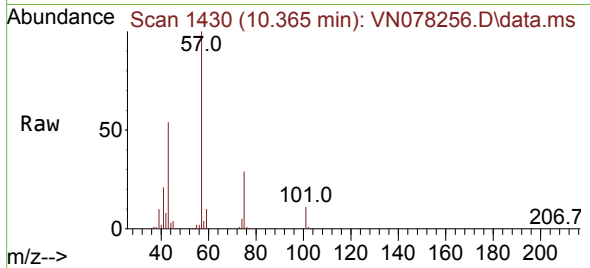




#51
4-Methyl-2-Pentanone
Concen: 35.648 ug/l
RT: 10.365 min Scan# 1445
Delta R.T. -0.088 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

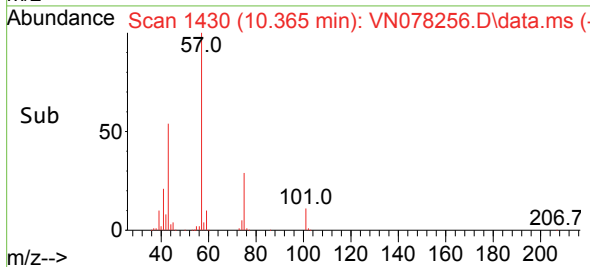
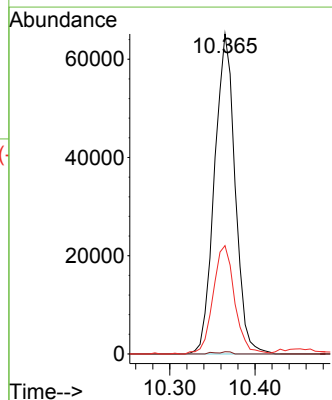
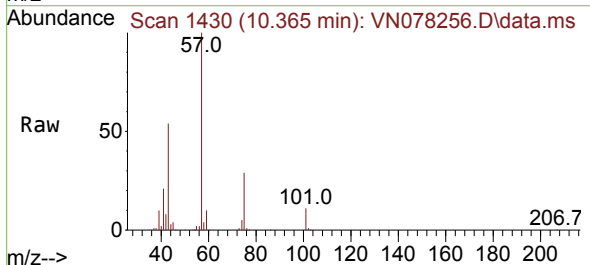
Instrument :
MSVOA_N
ClientSampleId :

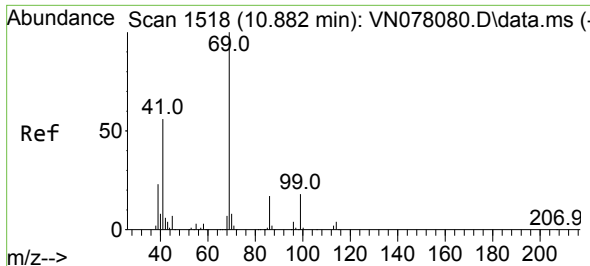
Tgt Ion: 43 Resp: 214695
Ion Ratio Lower Upper
43 100
58 6.9 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 12.239 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

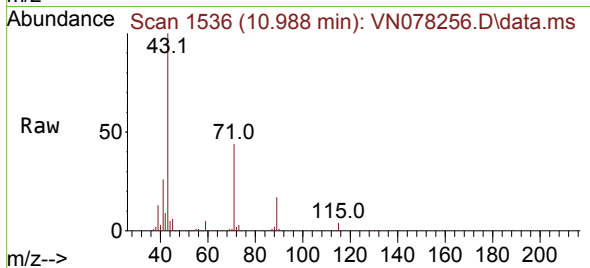
Tgt Ion: 75 Resp: 109616
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 33.8 31.6 47.4



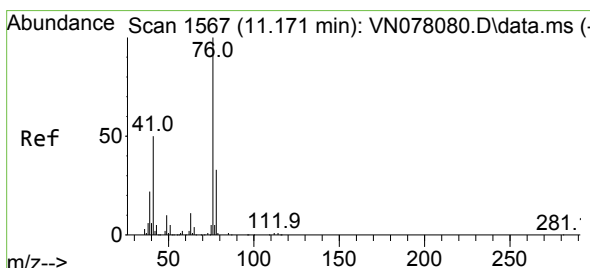
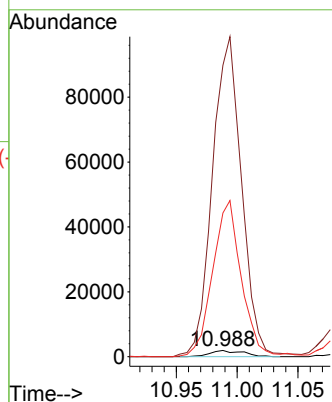
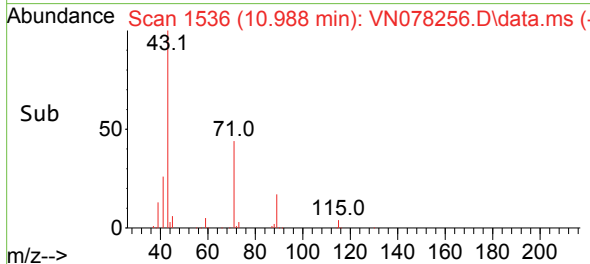


#56
Ethyl methacrylate
Concen: 0.457 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Instrument :
MSVOA_N
ClientSampleId :

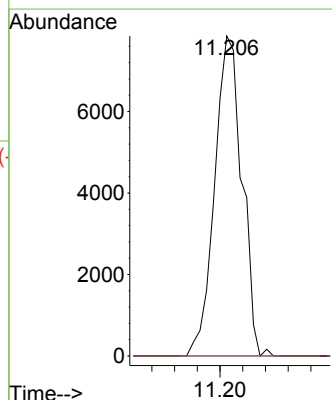
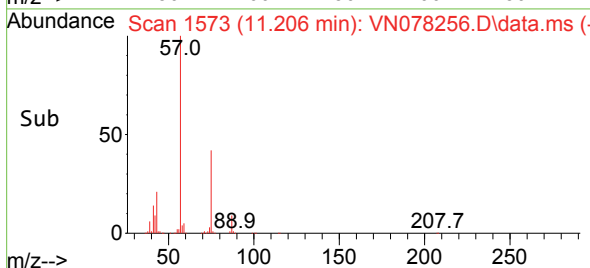
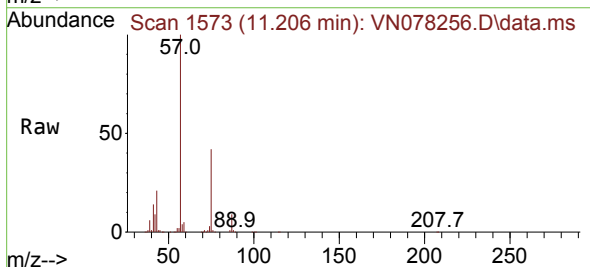


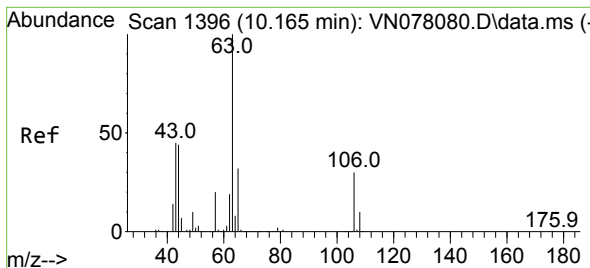
Tgt Ion: 69 Resp: 3636
Ion Ratio Lower Upper
69 100
41 4539.1 39.6 59.4#
39 2177.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.424 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 76 Resp: 13119
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

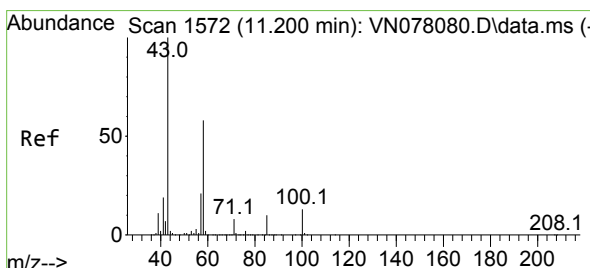
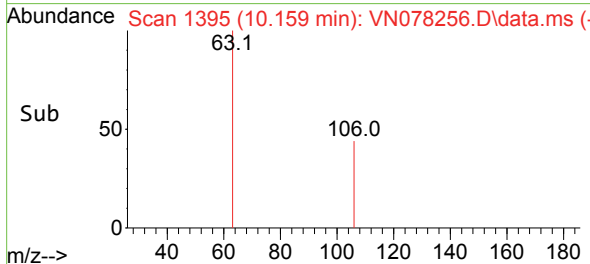
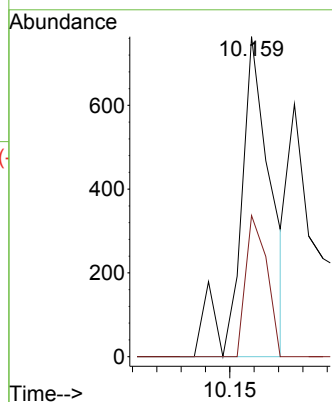
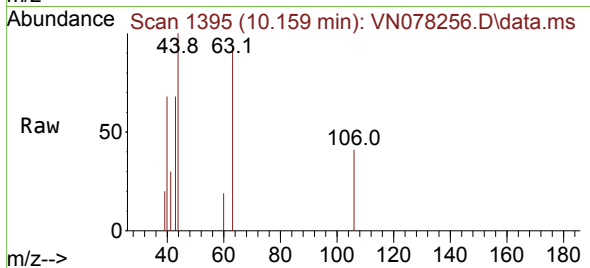




#58
2-Chloroethyl Vinyl ether
Concen: 0.210 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

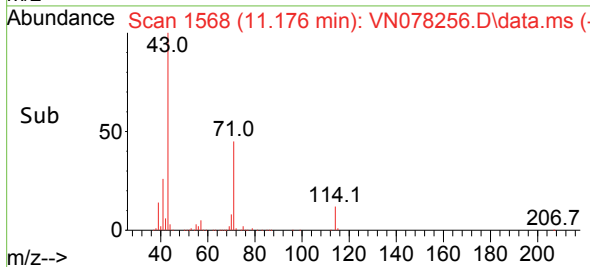
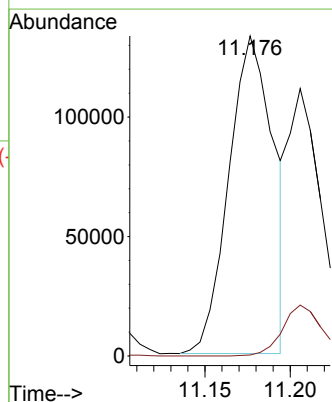
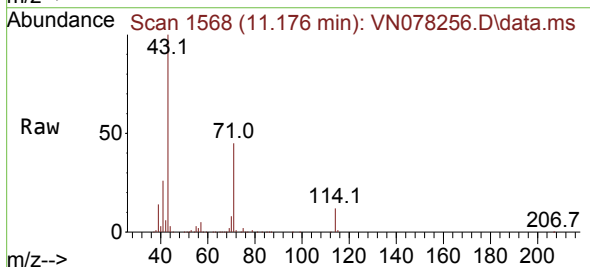
Instrument :
MSVOA_N
ClientSampleId :

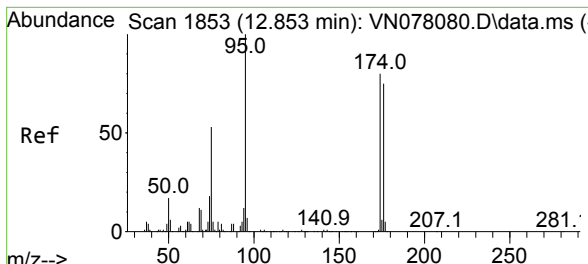
Tgt Ion: 63 Resp: 673
Ion Ratio Lower Upper
63 100
106 30.2 26.2 39.4



#59
2-Hexanone
Concen: 57.616 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 43 Resp: 241611
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

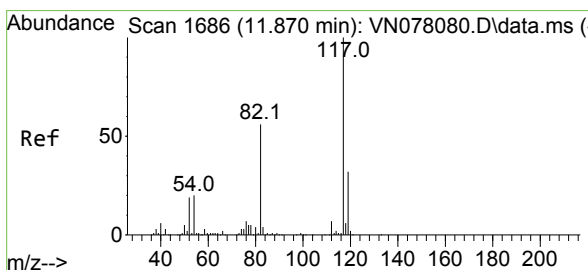
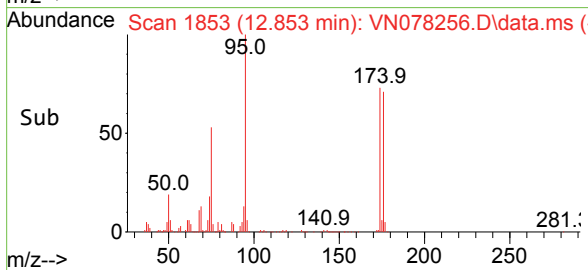
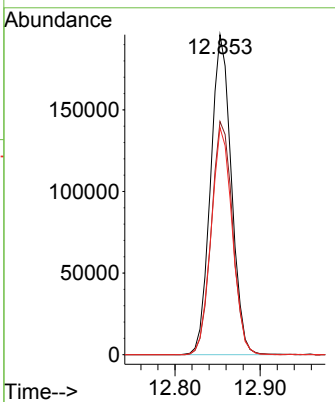
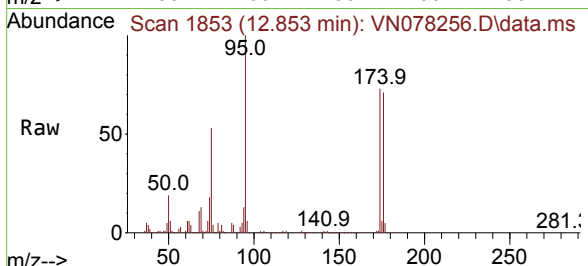




#62
 4-Bromofluorobenzene
 Concen: 51.840 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN078256.D
 Acq: 16 Jun 2023 13:41

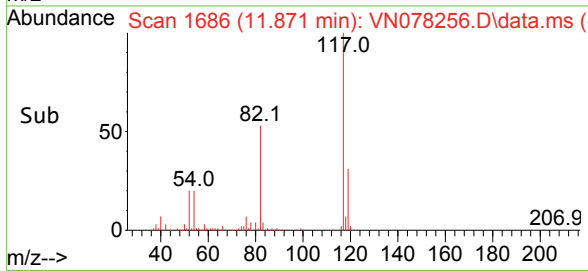
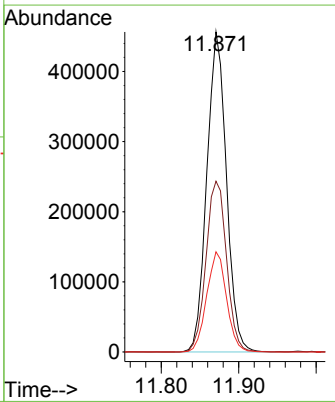
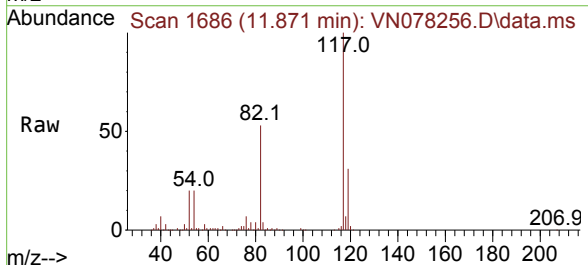
Instrument :
 MSVOA_N
 ClientSampleId :

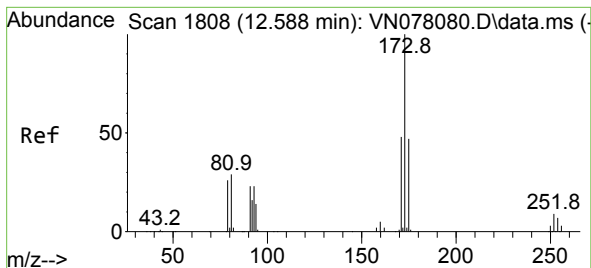
Tgt Ion:	95	Resp:	331573
Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	143.8
176	72.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN078256.D
 Acq: 16 Jun 2023 13:41

Tgt Ion:	117	Resp:	799997
Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.0	66.0
119	31.3	25.6	38.4





#71

Bromoform

Concen: 0.777 ug/l

RT: 12.859 min Scan# 1808

Delta R.T. 0.271 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

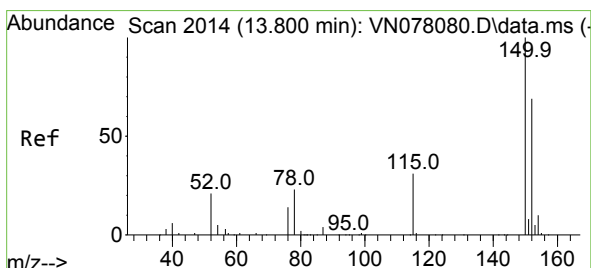
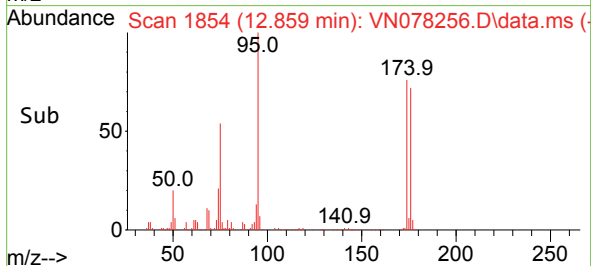
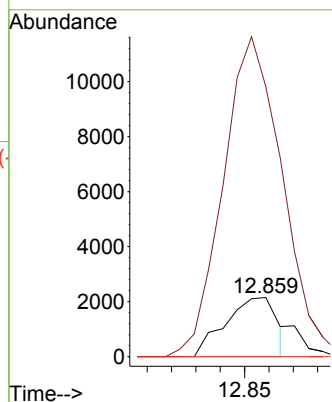
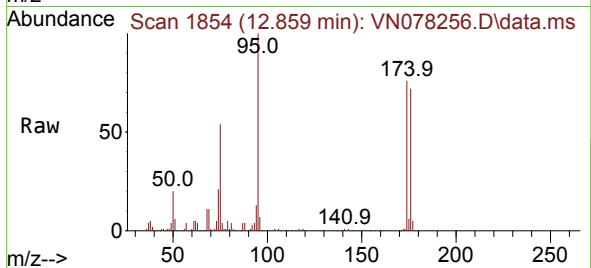
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 3159

Ion	Ratio	Lower	Upper
173	100		
175	550.6	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

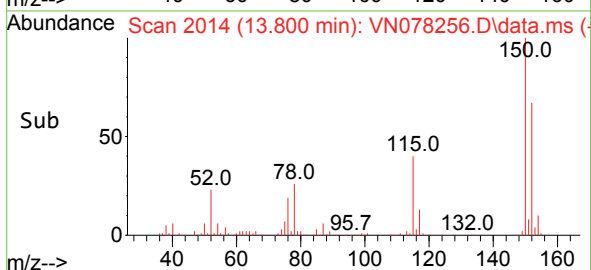
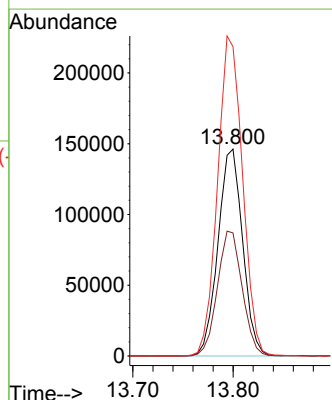
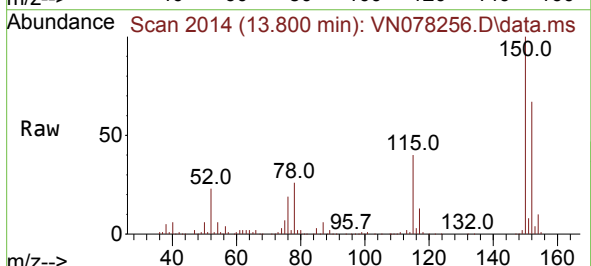
Delta R.T. 0.000 min

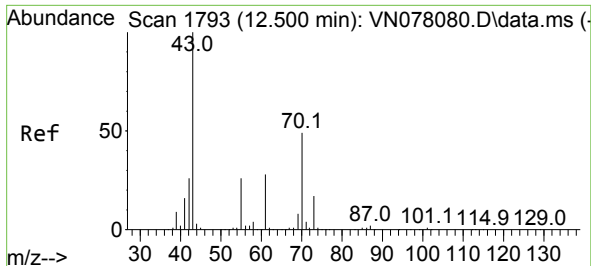
Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Tgt Ion:152 Resp: 249396

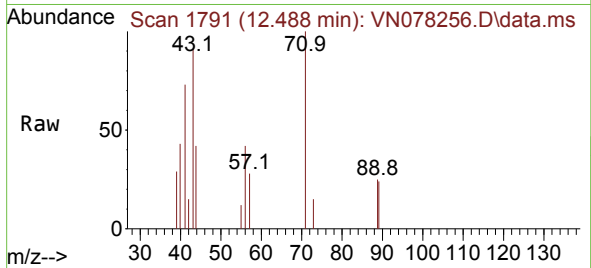
Ion	Ratio	Lower	Upper
152	100		
115	60.7	32.3	96.8
150	157.1	0.0	355.8



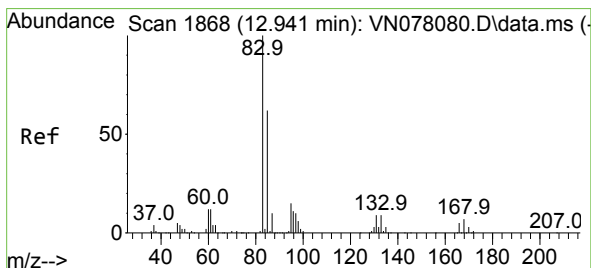
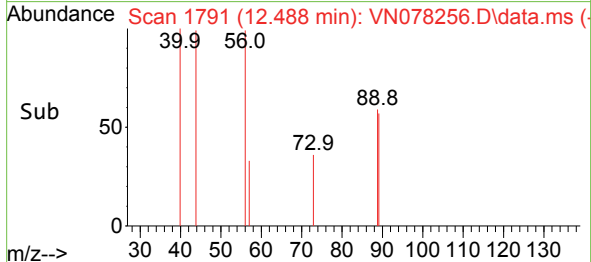
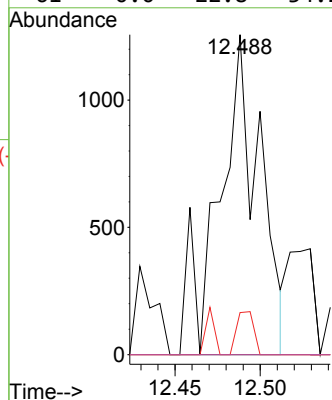


#74
N-amy1 acetate
Concen: 0.272 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Instrument :
MSVOA_N
ClientSampleId :

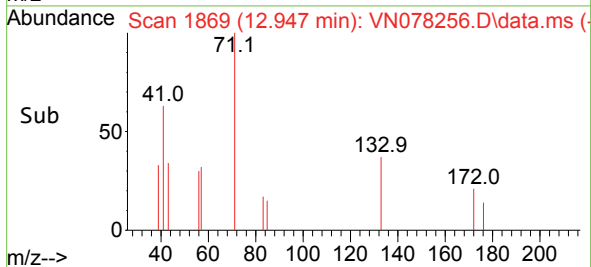
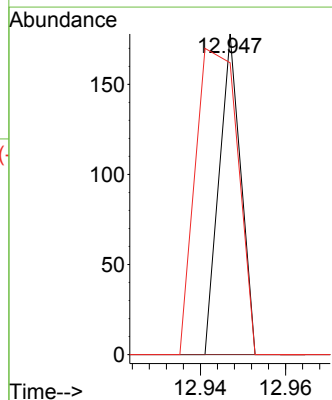
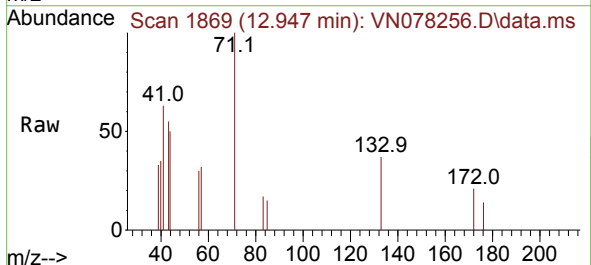


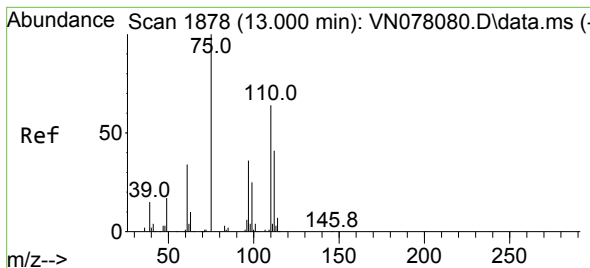
Tgt Ion: 43	Resp: 2109
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 5.6	21.4 32.0#
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078256.D
Acq: 16 Jun 2023 13:41

Tgt Ion: 83	Resp: 63		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.0	15.0#	
85 185.7	31.9	95.7#	





#76

1,2,3-Trichloropropane

Concen: 30.410 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Instrument :

MSVOA_N

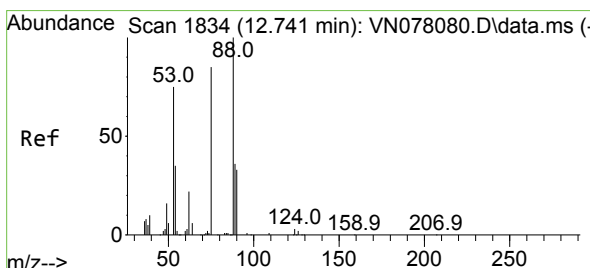
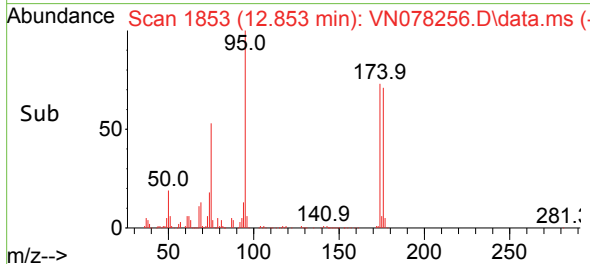
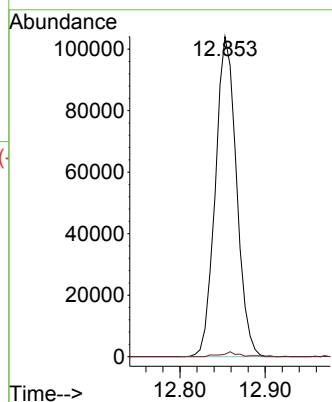
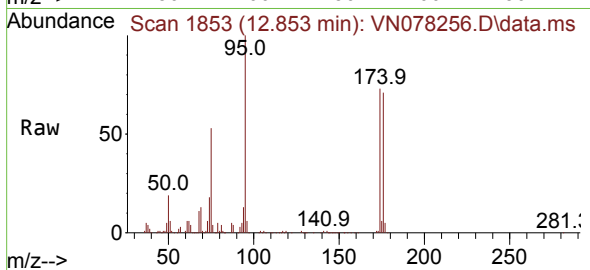
ClientSampleId :

Tgt Ion: 75 Resp: 179292

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.429 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078256.D

Acq: 16 Jun 2023 13:41

Tgt Ion: 75 Resp: 179292

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

