

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112823\
 Data File : VN080299.D
 Acq On : 28 Nov 2023 16:15
 Operator : JC\MD
 Sample : 05561-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 00:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

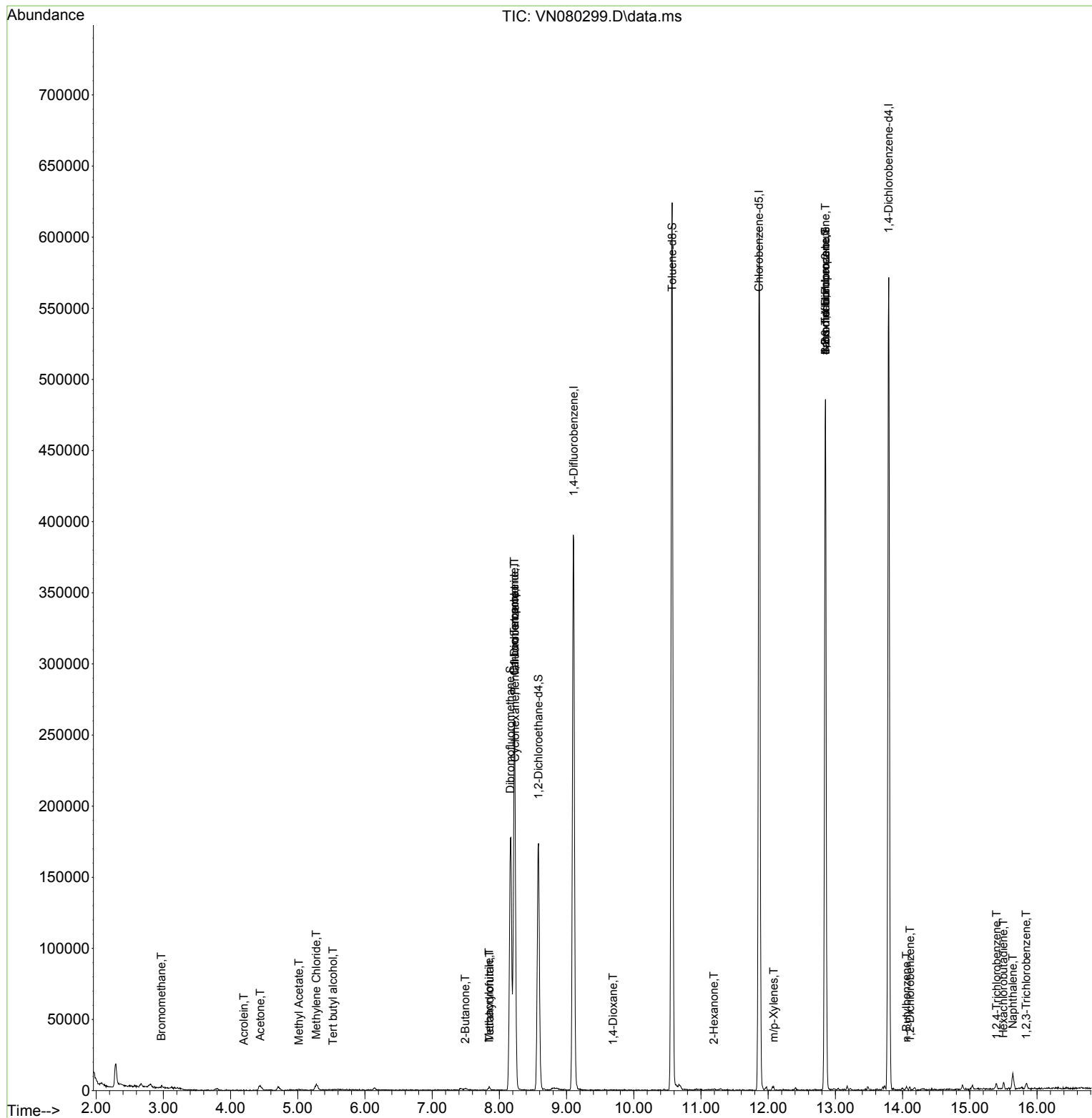
Internal Standards						
1) Pentafluorobenzene	8.230	168	178066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	353863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	158088	53.769	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.540%			
35) Dibromofluoromethane	8.165	113	127218	51.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.120%			
50) Toluene-d8	10.571	98	442018	49.698	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.853	95	171399	51.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.040%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	494	0.345	ug/l	98
6) Chloroethane	3.112	64	356	Below Cal	#	72
11) Tert butyl alcohol	5.524	59	154	0.476	ug/l #	72
13) Acrolein	4.200	56	128	0.447	ug/l #	72
16) Acetone	4.442	43	6536	6.619	ug/l #	88
18) Methyl Acetate	5.018	43	1130	0.356	ug/l #	52
20) Methylene Chloride	5.277	84	3594	1.738	ug/l #	92
25) 2-Butanone	7.494	43	2091	1.782	ug/l #	68
29) Tetrahydrofuran	7.853	42	1292	2.051	ug/l #	74
31) Cyclohexane	8.235	56	4098	1.282	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	15355	4.299	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19769	4.361	ug/l #	16
41) Methacrylonitrile	7.847	41	852	0.626	ug/l #	27
49) 1,4-Dioxane	9.694	88	74	1.790	ug/l #	30
59) 2-Hexanone	11.194	43	805	0.401	ug/l #	49
68) m/p-Xylenes	12.082	106	1155	0.222	ug/l	99
71) Bromoform	12.853	173	580	0.251	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	95341	25.272	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95341	85.383	ug/l #	15
89) n-Butylbenzene	14.059	91	1752	0.222	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	1149	0.221	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	1438	0.475	ug/l	92
94) Hexachlorobutadiene	15.500	225	943	0.542	ug/l	88
95) Naphthalene	15.641	128	11503	1.311	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1691	0.596	ug/l	89

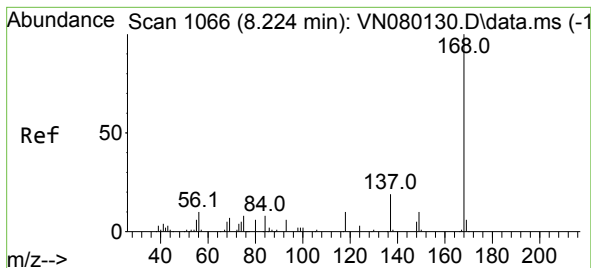
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080299.D

Acq: 28 Nov 2023 16:15

Instrument :

MSVOA_N

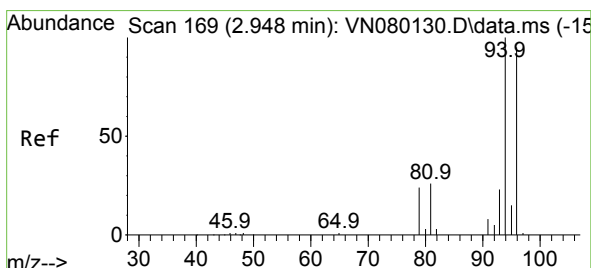
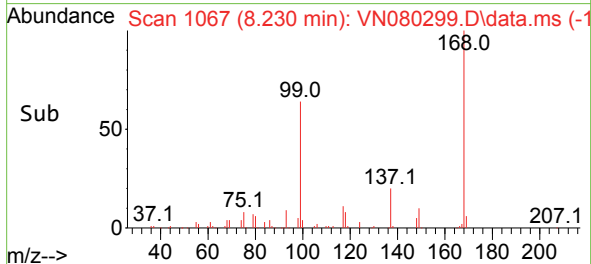
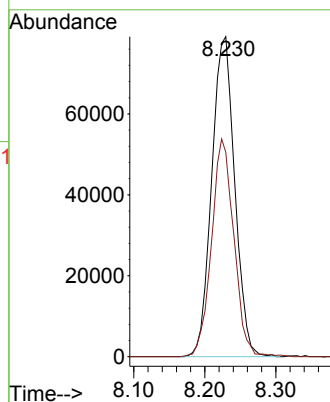
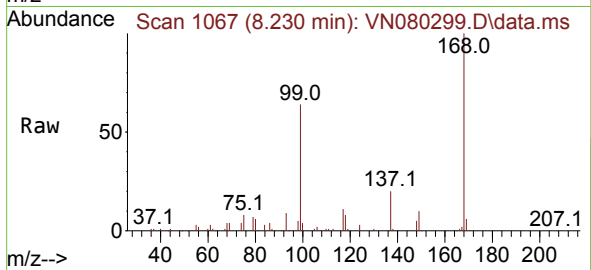
ClientSampleId :

Tgt Ion:168 Resp: 178066

Ion Ratio Lower Upper

168 100

99 63.8 53.0 79.6



#5

Bromomethane

Concen: 0.345 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN080299.D

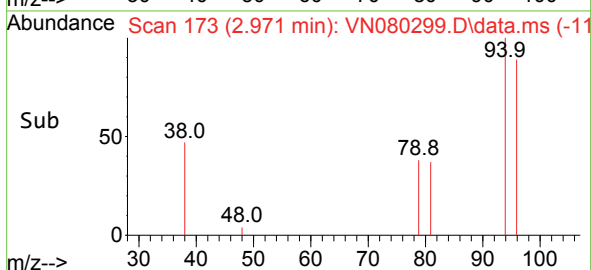
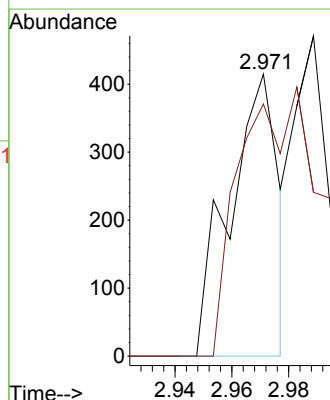
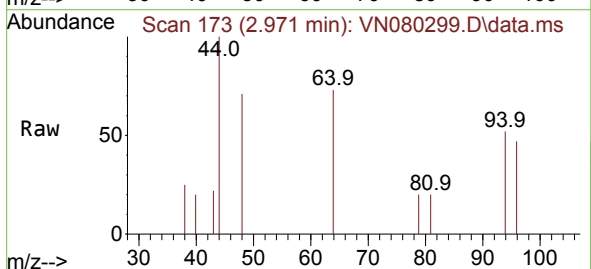
Acq: 28 Nov 2023 16:15

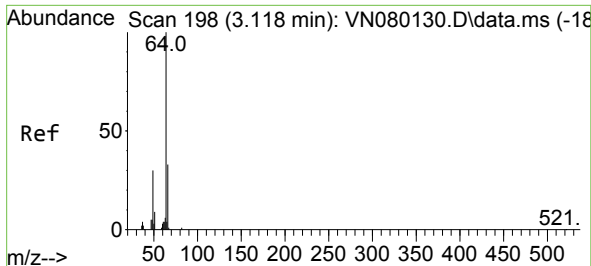
Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

96 89.4 73.1 109.7

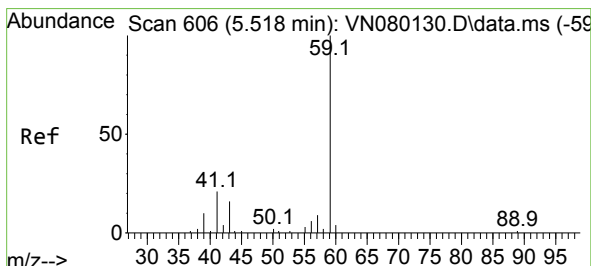
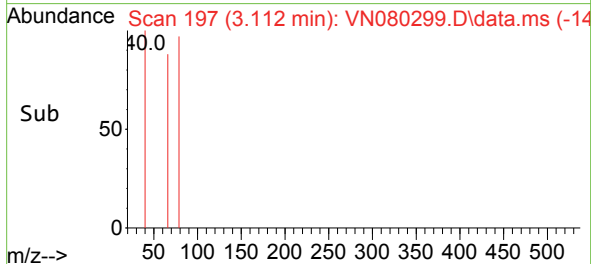
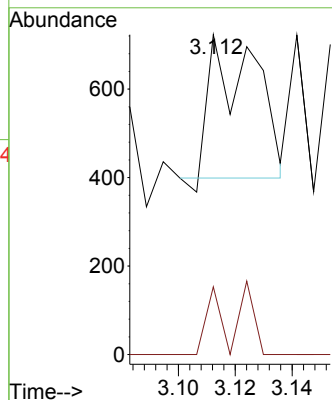
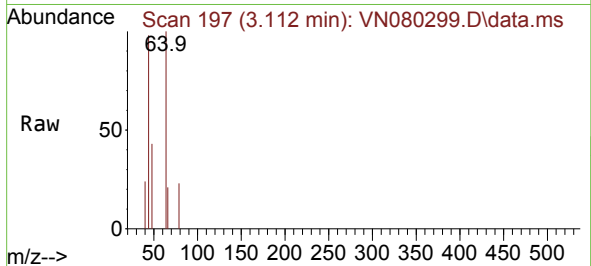




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

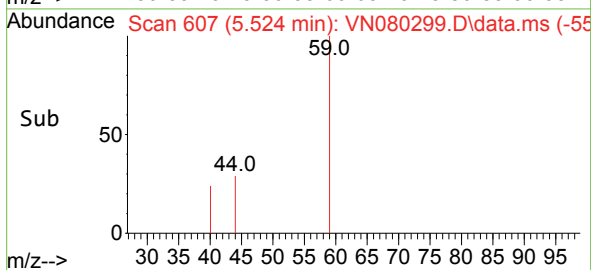
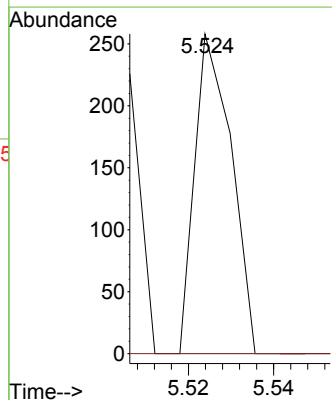
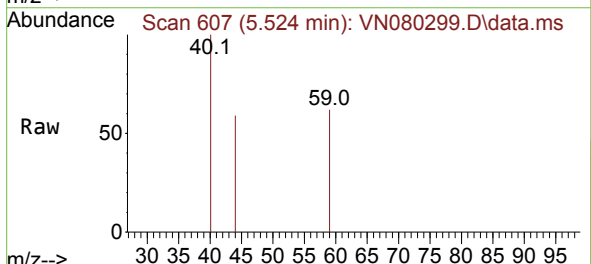
Instrument :
MSVOA_N
ClientSampleId :

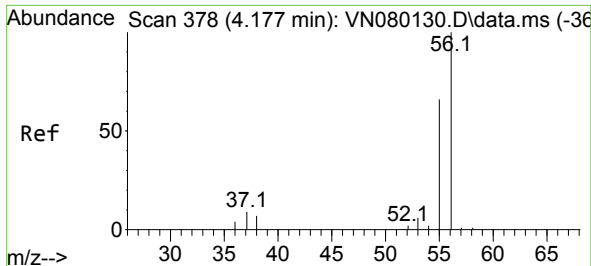
Tgt Ion: 64 Resp: 356
Ion Ratio Lower Upper
64 100
66 47.2 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

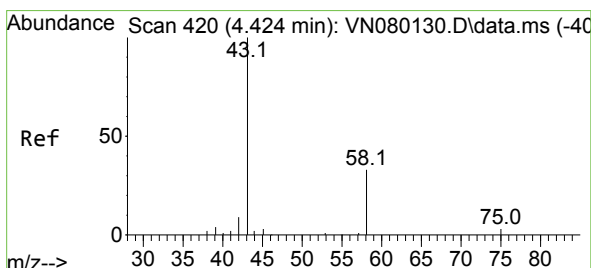
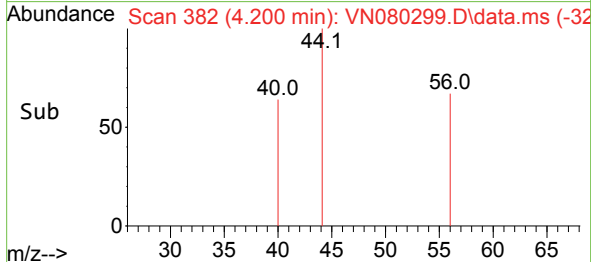
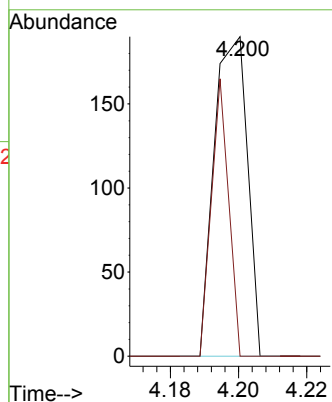
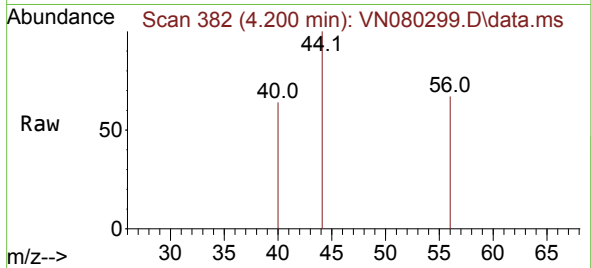




#13
Acrolein
Concen: 0.447 ug/l
RT: 4.200 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

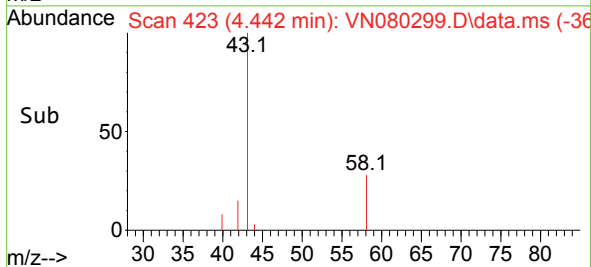
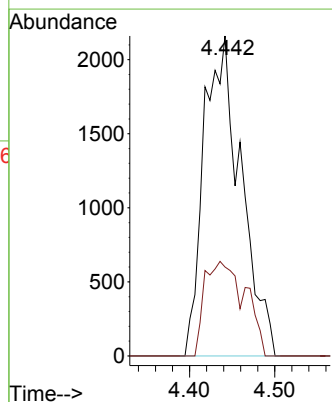
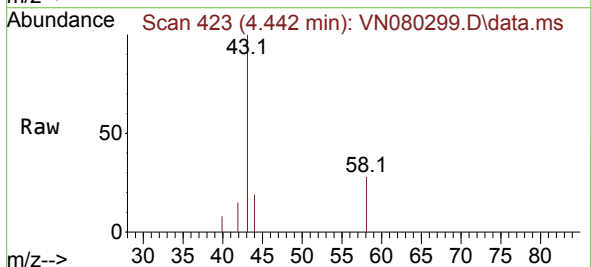
Instrument :
MSVOA_N
ClientSampleId :

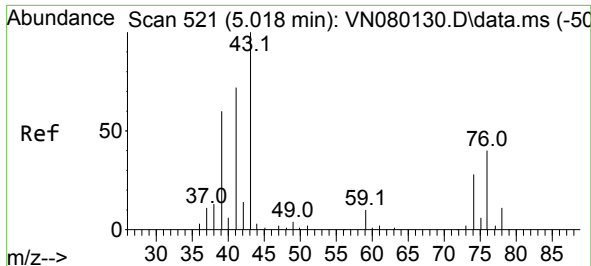
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 45.3 54.5 81.7#



#16
Acetone
Concen: 6.619 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 43 Resp: 6536
Ion Ratio Lower Upper
43 100
58 27.8 28.0 42.0#

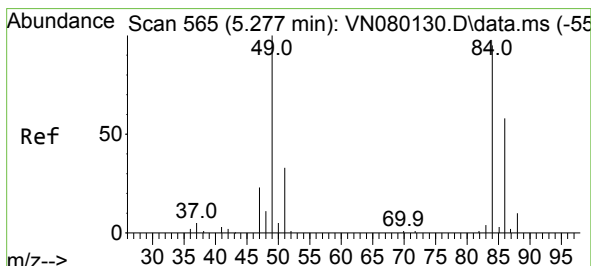
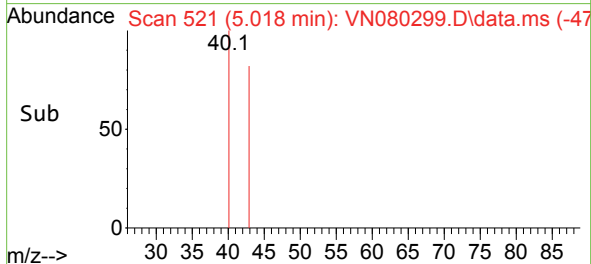
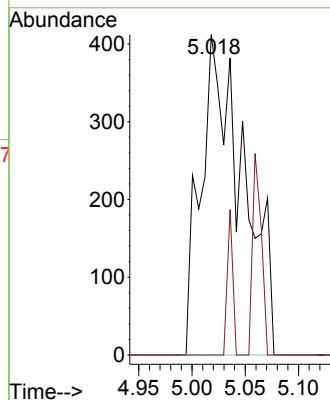
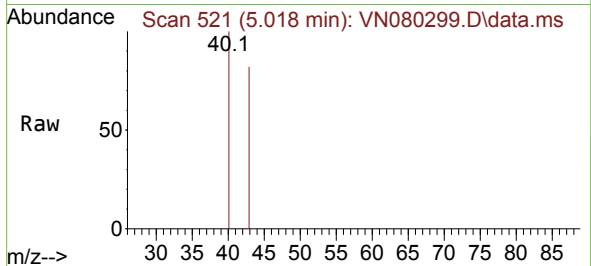




#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

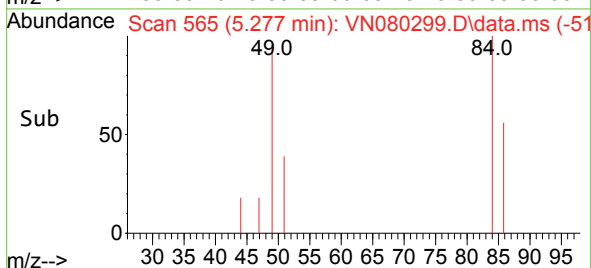
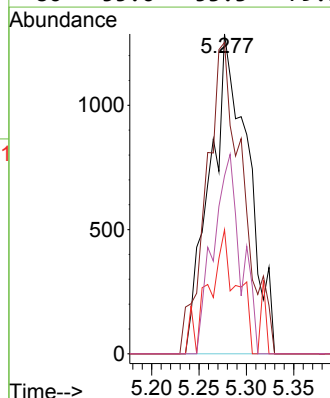
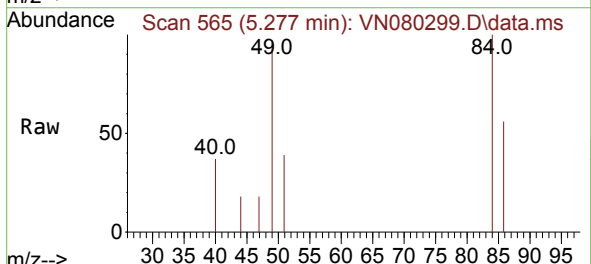
Instrument :
MSVOA_N
ClientSampleId :

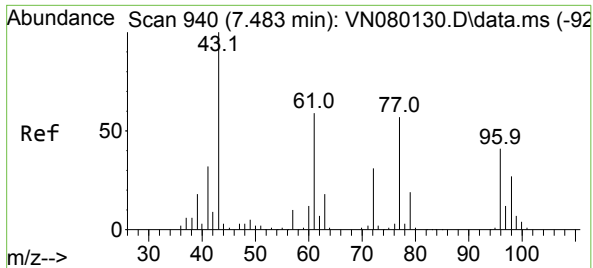
Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
74 5.8 26.2 39.4#



#20
Methylene Chloride
Concen: 1.738 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 84 Resp: 3594
Ion Ratio Lower Upper
84 100
49 97.4 79.7 119.5
51 38.8 25.2 37.8#
86 55.6 53.3 79.9

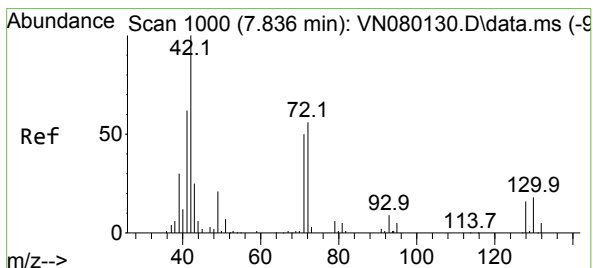
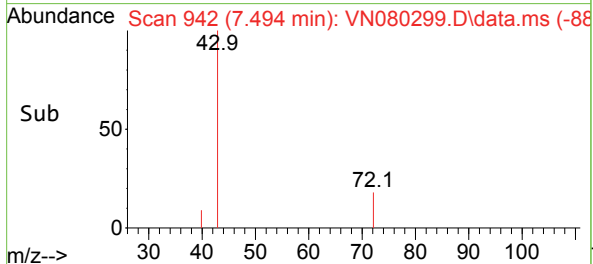
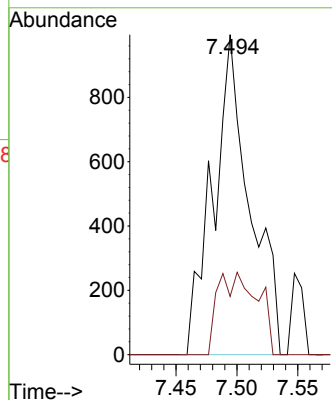
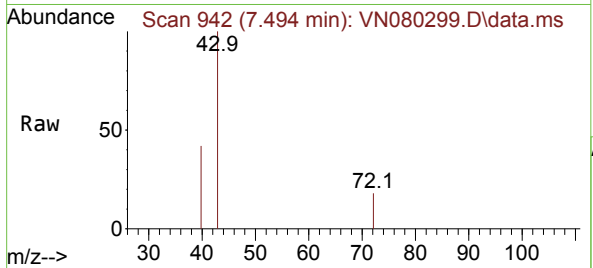




#25
2-Butanone
Concen: 1.782 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

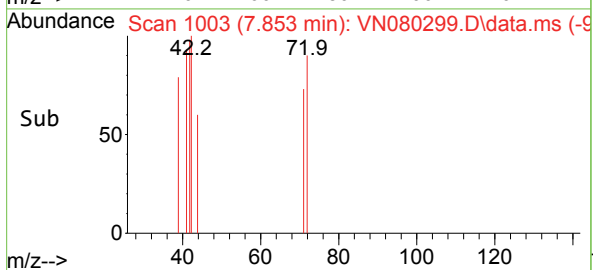
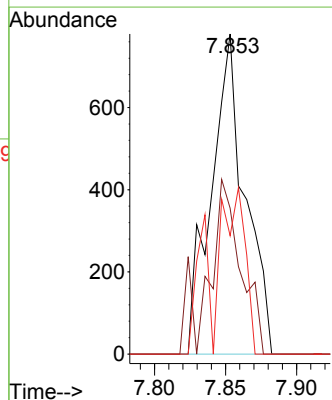
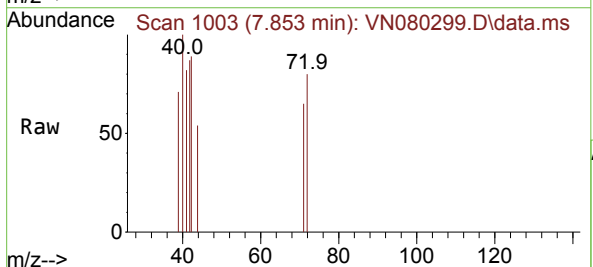
Instrument :
MSVOA_N
ClientSampleId :

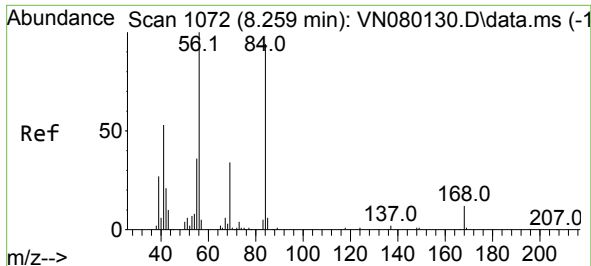
Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
72 18.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 2.051 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

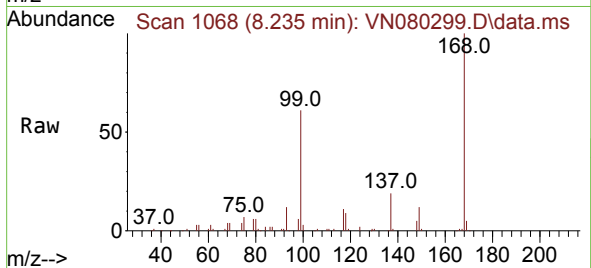
Tgt Ion: 42 Resp: 1292
Ion Ratio Lower Upper
42 100
72 45.5 49.8 74.6#
71 35.8 47.4 71.2#



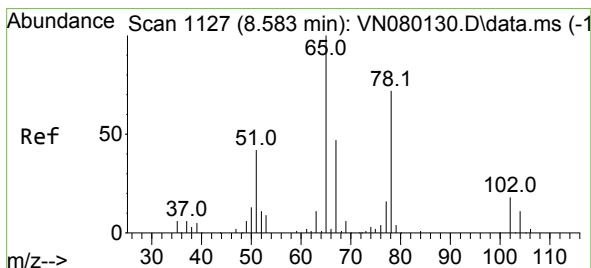
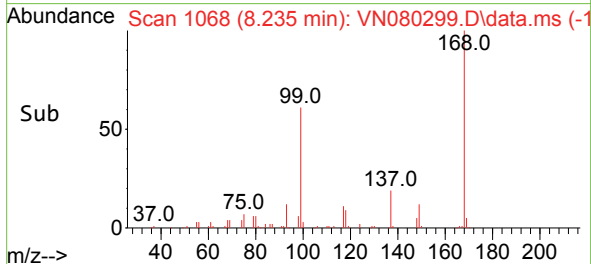
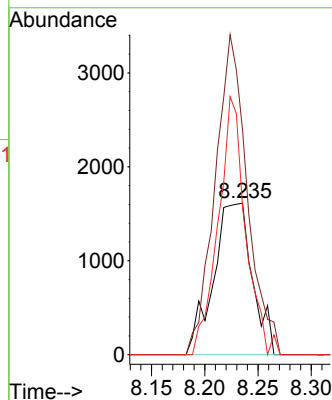


#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

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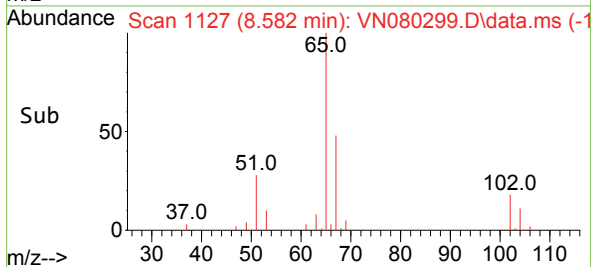
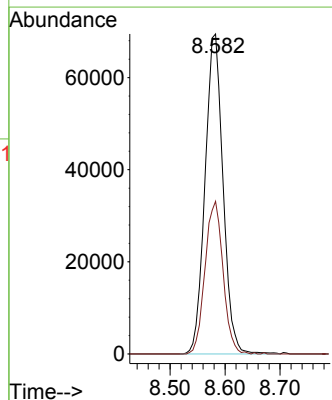
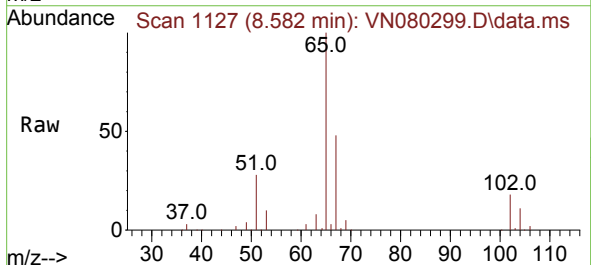


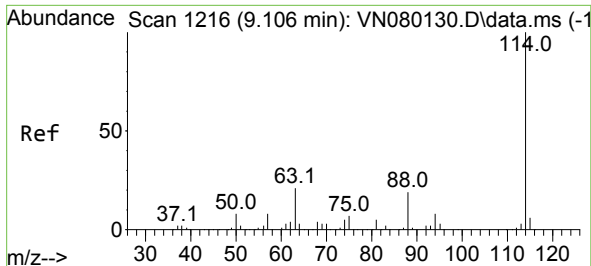
Tgt Ion: 56 Resp: 4098
Ion Ratio Lower Upper
56 100
69 148.0 26.8 40.2#
84 97.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.769 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 65 Resp: 158088
Ion Ratio Lower Upper
65 100
67 47.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080299.D

Acq: 28 Nov 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

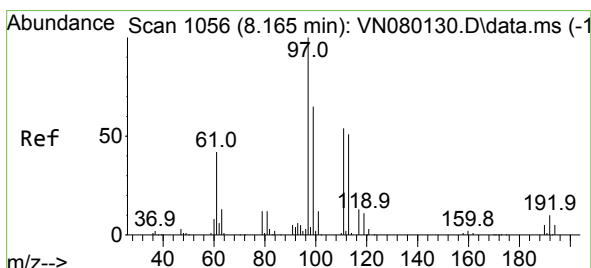
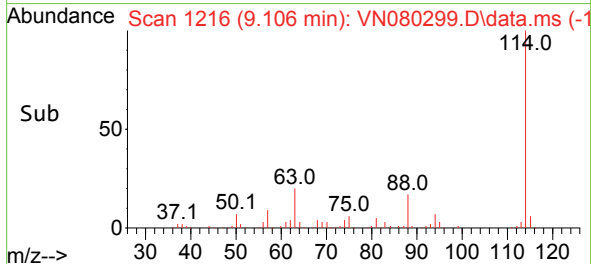
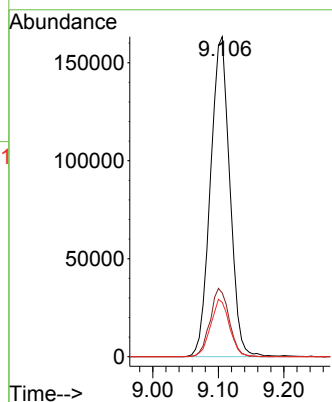
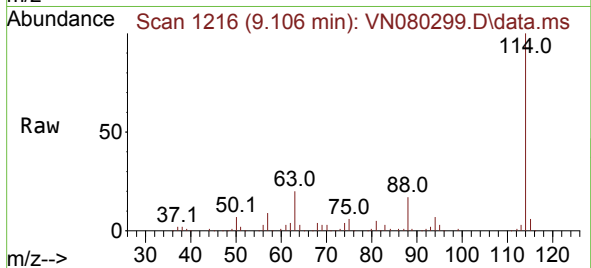
Tgt Ion:114 Resp: 334380

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080299.D

Acq: 28 Nov 2023 16:15

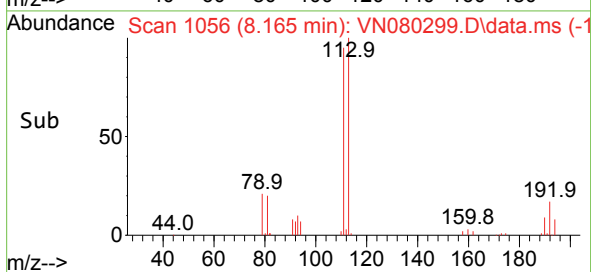
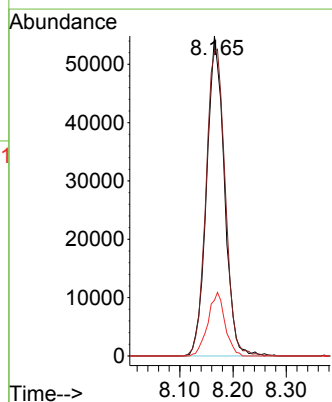
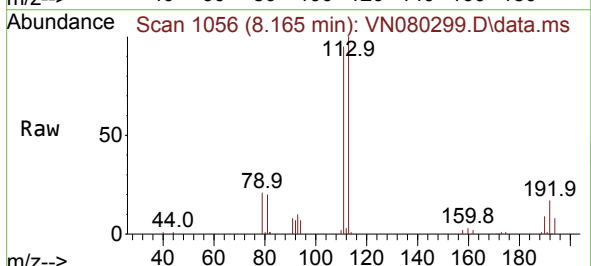
Tgt Ion:113 Resp: 127218

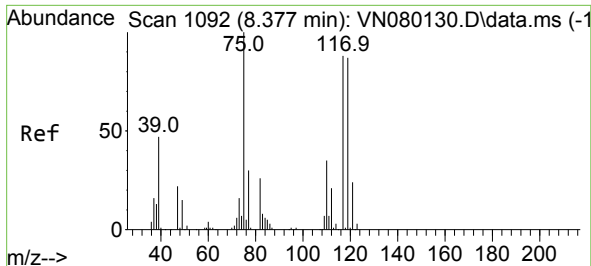
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

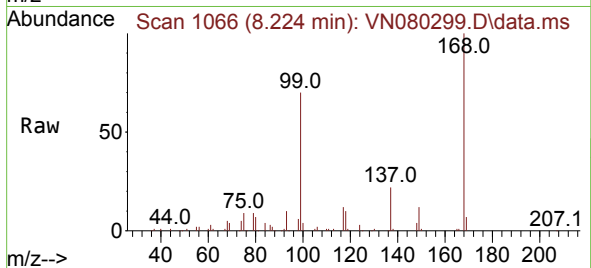
192 19.2 12.7 19.1#



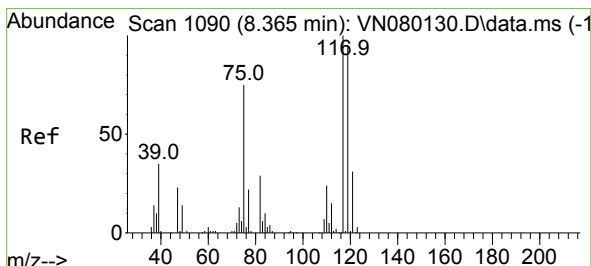
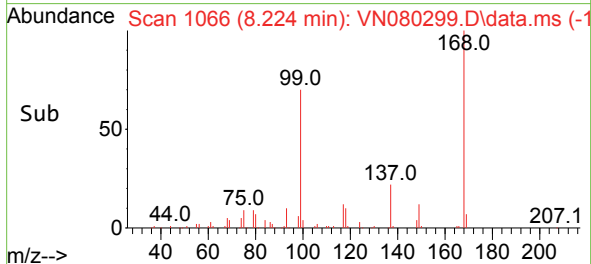
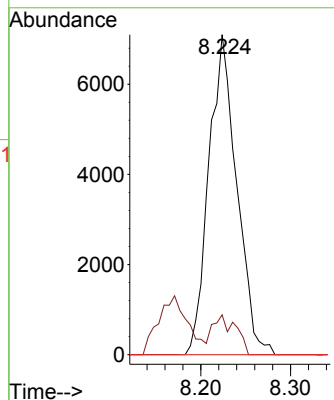


#36
1,1-Dichloropropene
Concen: 4.299 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Instrument :
MSVOA_N
ClientSampleId :

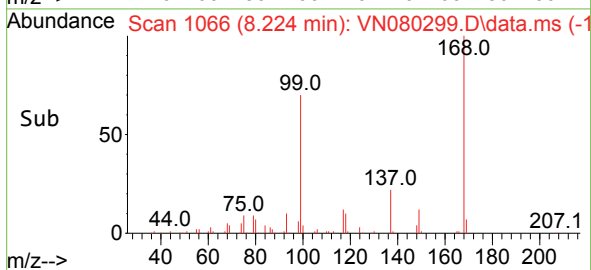
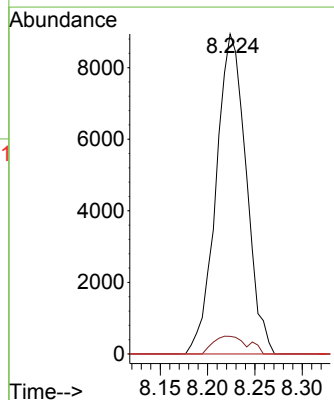
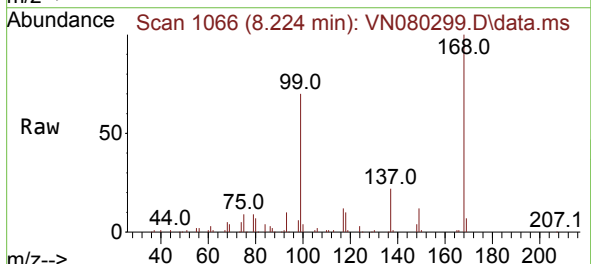


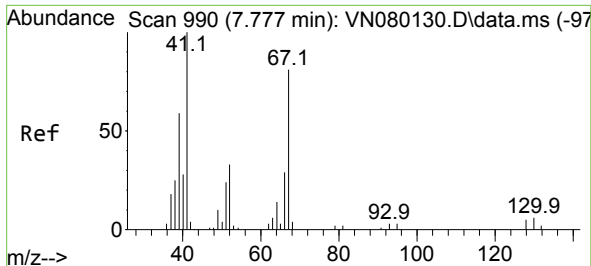
Tgt Ion: 75 Resp: 15355
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 117 Resp: 19769
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#

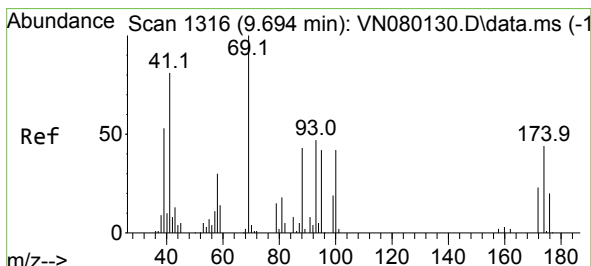
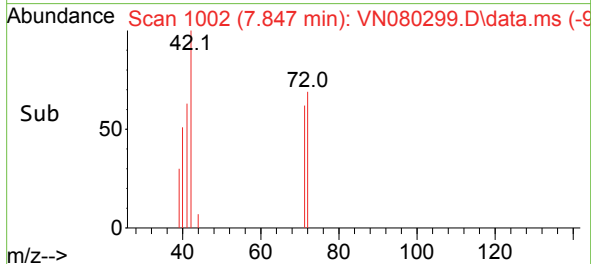
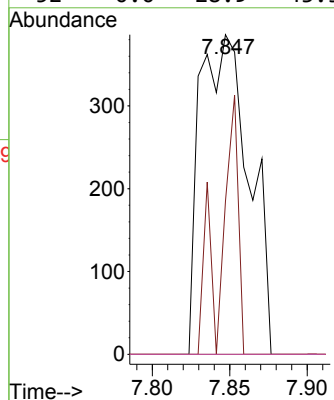
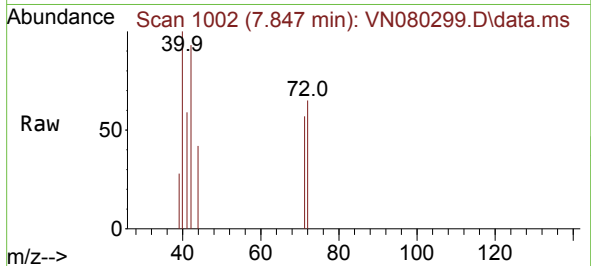




#41
Methacrylonitrile
Concen: 0.626 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

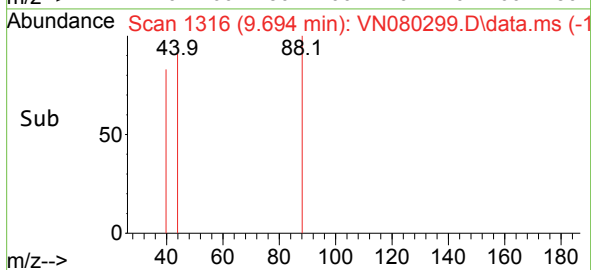
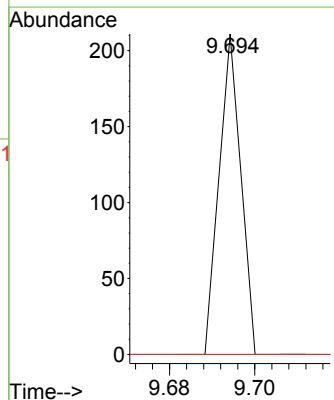
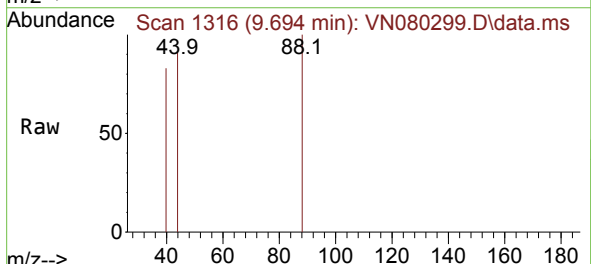
Instrument :
MSVOA_N
ClientSampleId :

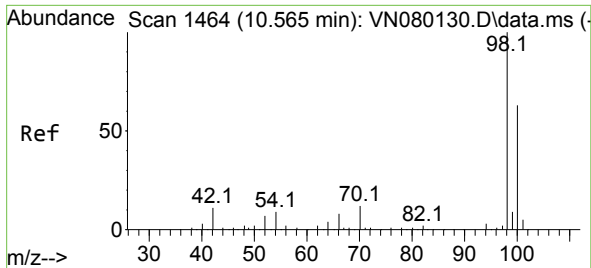
Tgt Ion: 41 Resp: 852
Ion Ratio Lower Upper
41 100
39 29.2 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#



#49
1,4-Dioxane
Concen: 1.790 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

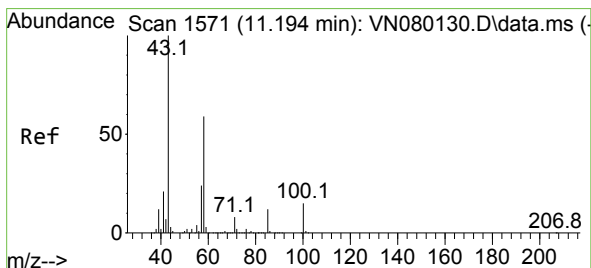
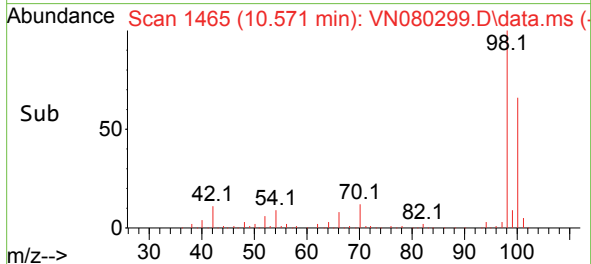
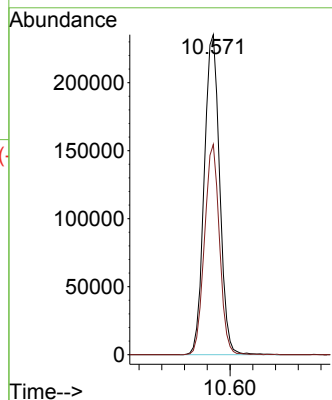
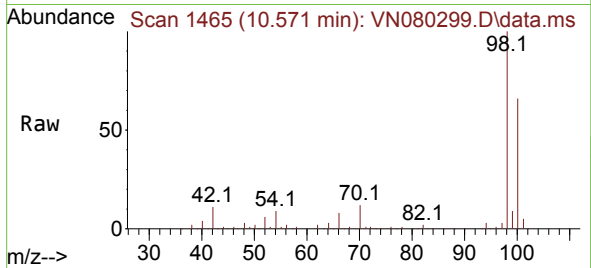




#50
Toluene-d8
Concen: 49.698 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

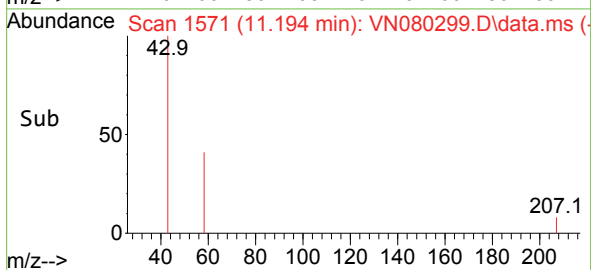
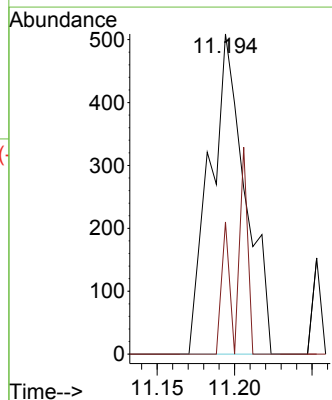
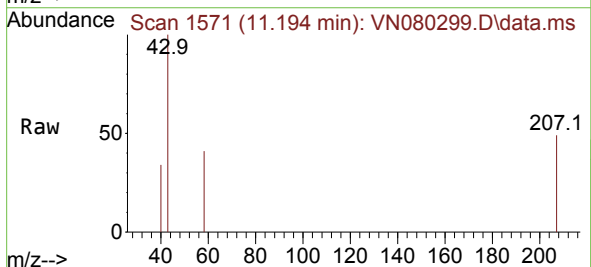
Instrument :
MSVOA_N
ClientSampleId :

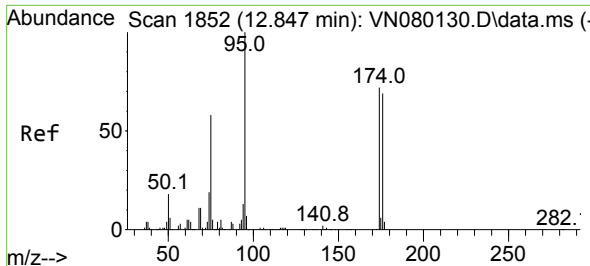
Tgt Ion: 98 Resp: 442018
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#59
2-Hexanone
Concen: 0.401 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 23.6 31.7 95.1#

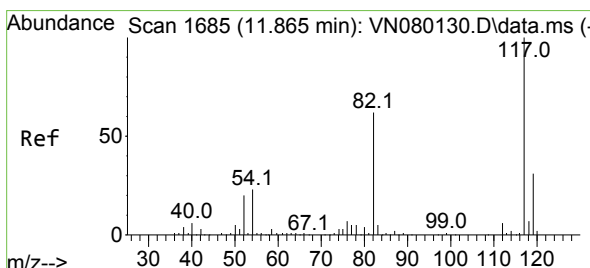
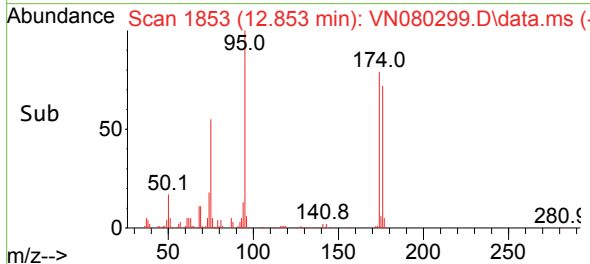
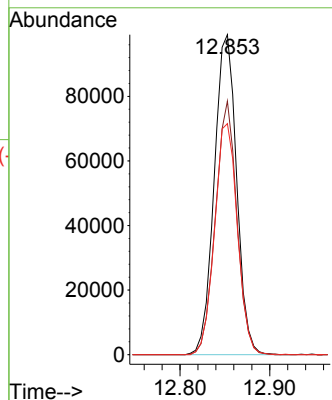
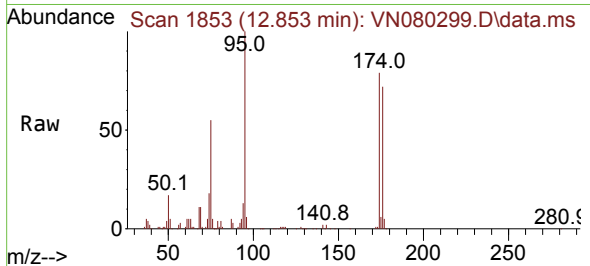




#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

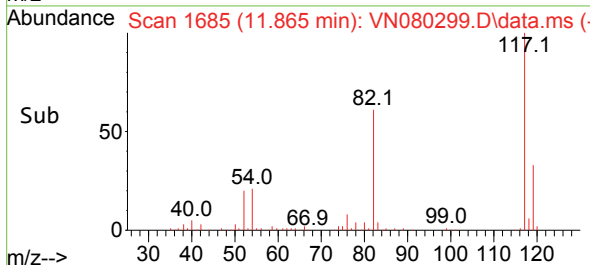
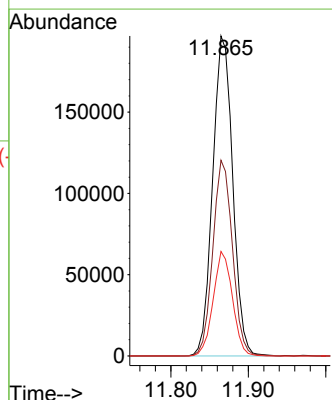
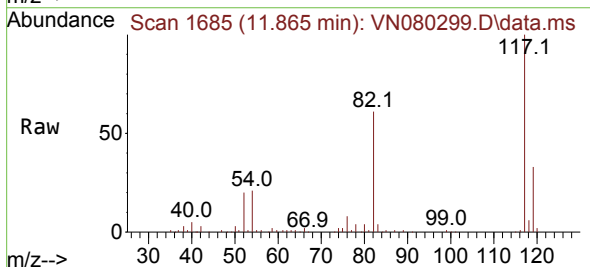
Instrument :
MSVOA_N
ClientSampleId :

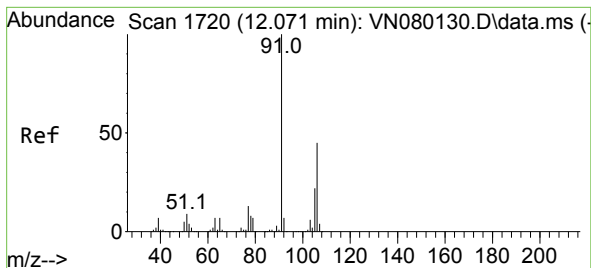
Tgt Ion: 95 Resp: 171399
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Tgt Ion: 117 Resp: 353863
Ion Ratio Lower Upper
117 100
82 61.2 44.0 66.0
119 32.7 25.6 38.4





#68

m/p-Xylenes

Concen: 0.222 ug/l

RT: 12.082 min Scan# 1155

Delta R.T. 0.012 min

Lab File: VN080299.D

Acq: 28 Nov 2023 16:15

Instrument :

MSVOA_N

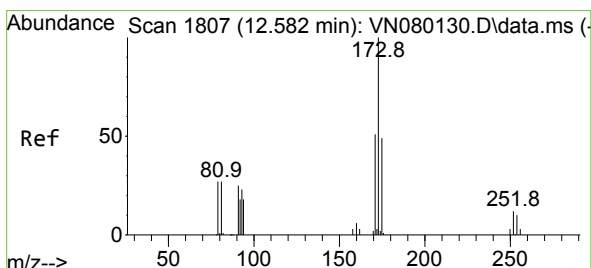
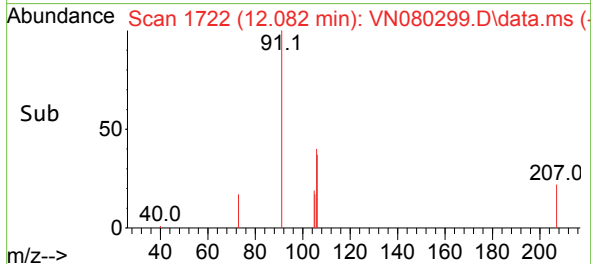
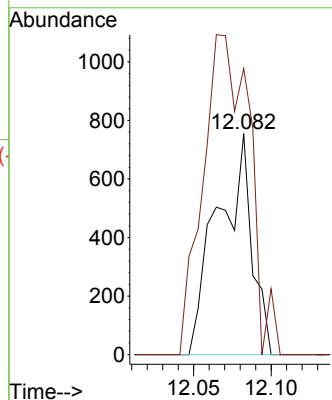
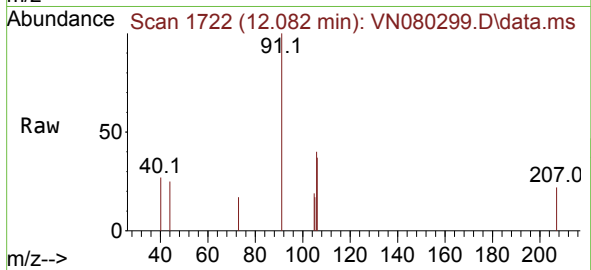
ClientSampleId :

Tgt Ion:106 Resp: 1155

Ion Ratio Lower Upper

106 100

91 197.7 159.6 239.4



#71

Bromoform

Concen: 0.251 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN080299.D

Acq: 28 Nov 2023 16:15

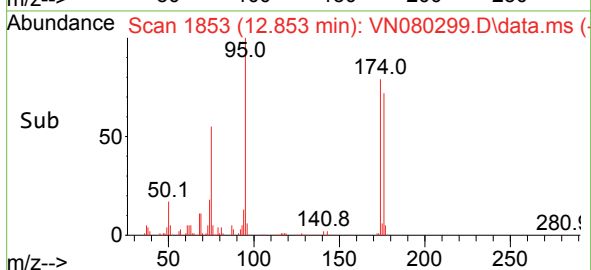
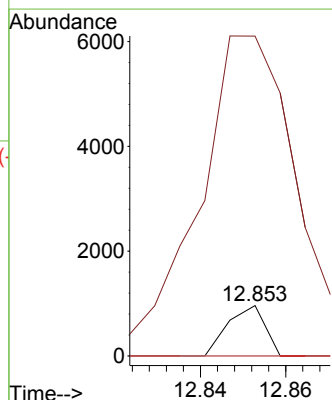
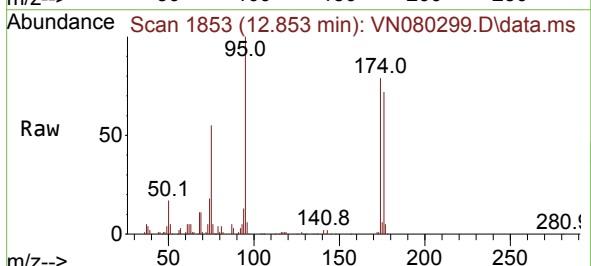
Tgt Ion:173 Resp: 580

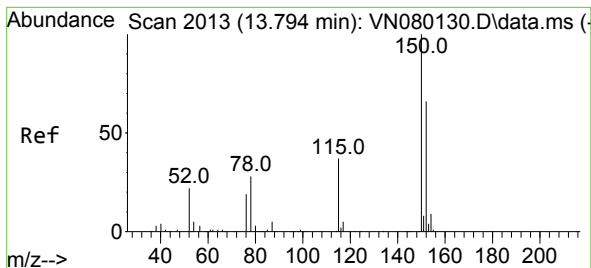
Ion Ratio Lower Upper

173 100

175 1440.3 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: VN080299.D

Acq: 28 Nov 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

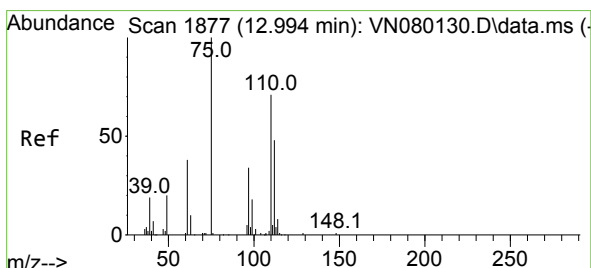
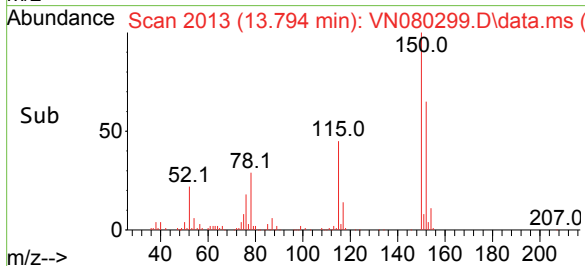
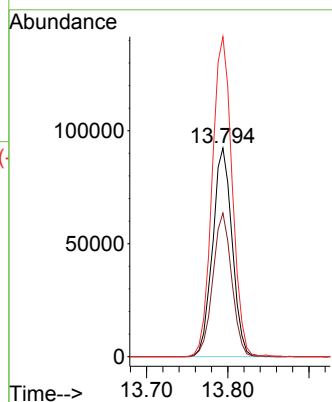
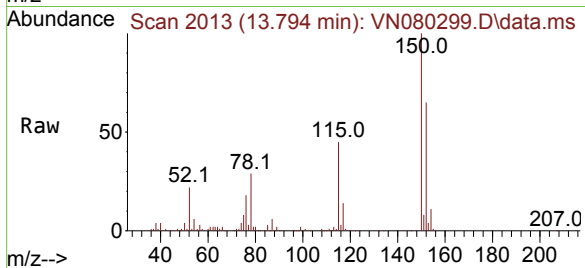
Tgt Ion:152 Resp: 153974

Ion Ratio Lower Upper

152 100

115 66.8 32.3 96.8

150 157.3 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.272 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080299.D

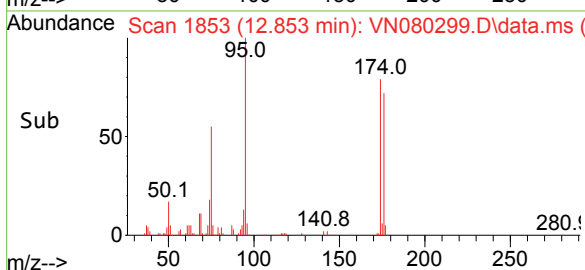
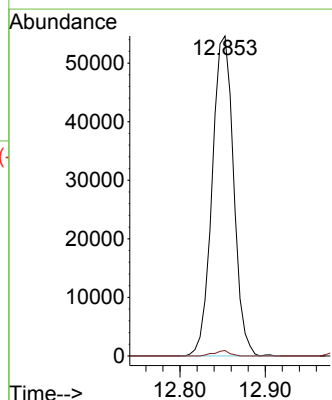
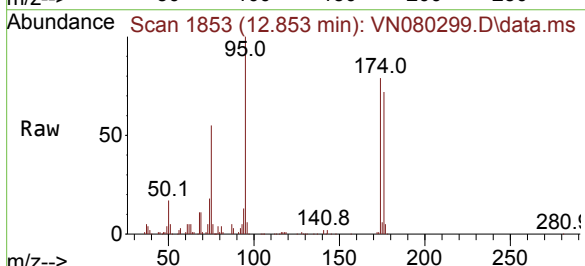
Acq: 28 Nov 2023 16:15

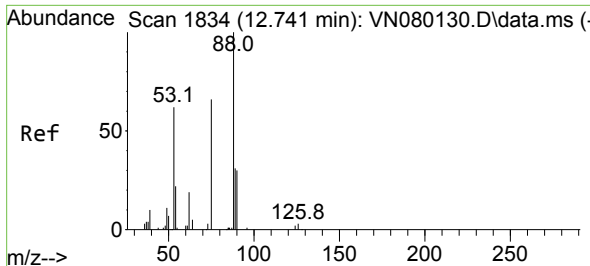
Tgt Ion: 75 Resp: 95341

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

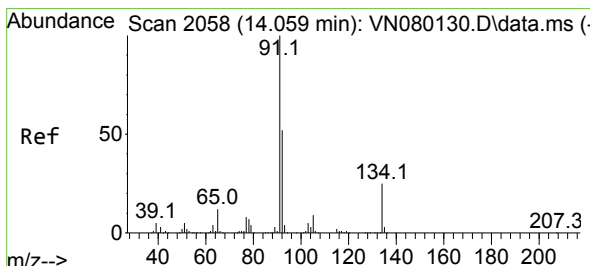
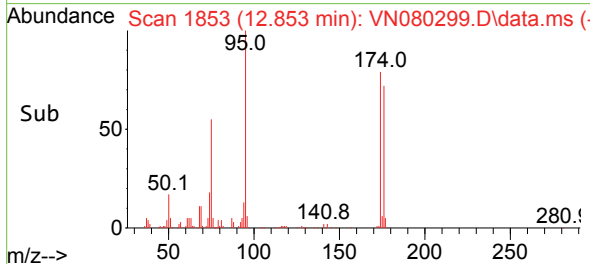
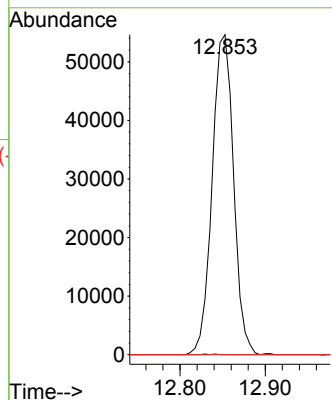
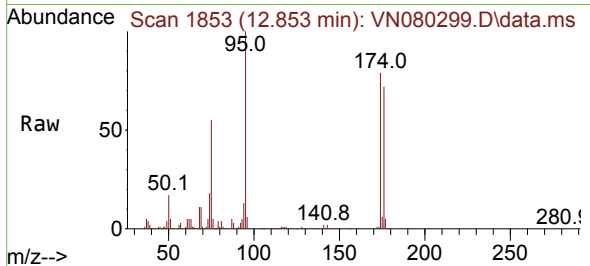




#81
trans-1,4-Dichloro-2-butene
Concen: 85.383 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

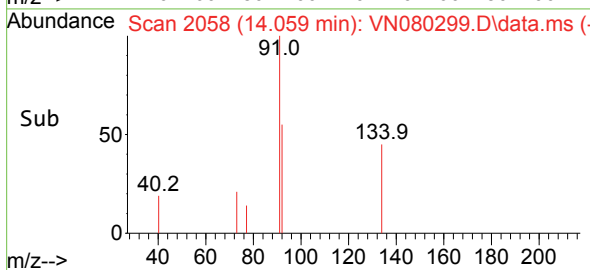
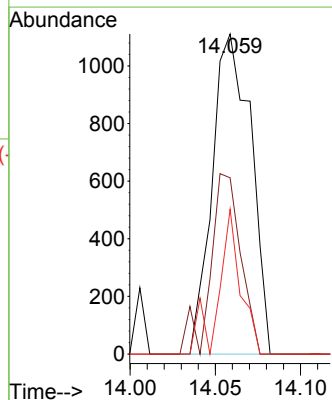
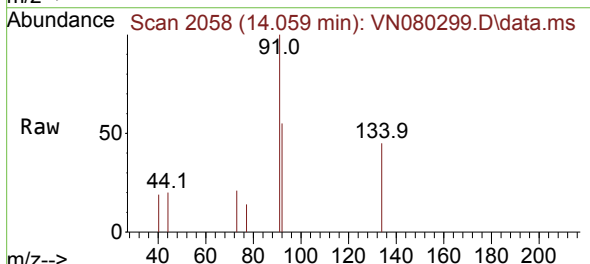
Instrument :
MSVOA_N
ClientSampleId :

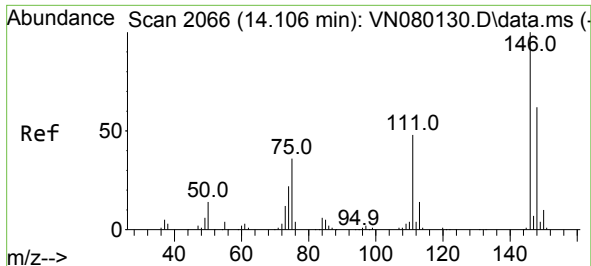
Tgt Ion: 75 Resp: 95341
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

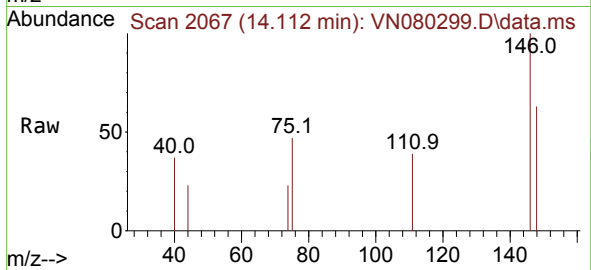
Tgt Ion: 91 Resp: 1752
Ion Ratio Lower Upper
91 100
92 44.1 26.4 79.0
134 25.9 12.6 37.6



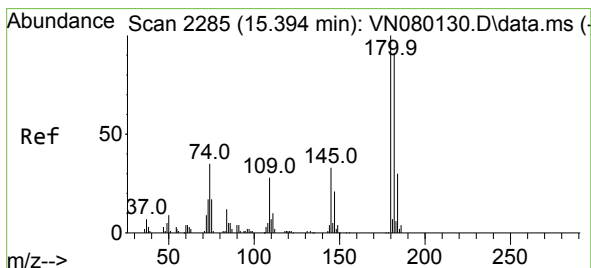
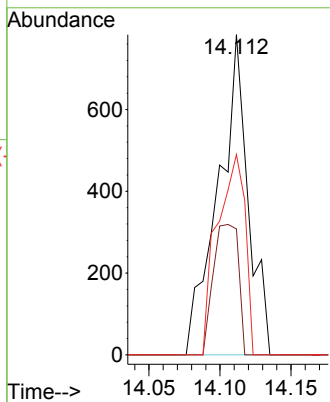
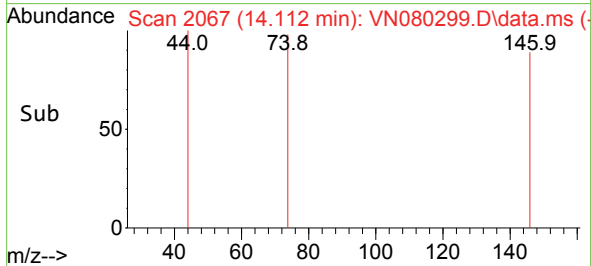


#91
1,2-Dichlorobenzene
Concen: 0.221 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

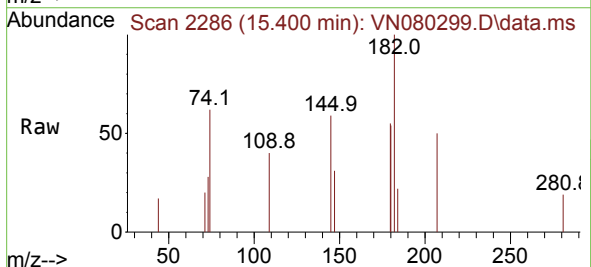
Instrument :
MSVOA_N
ClientSampleId :



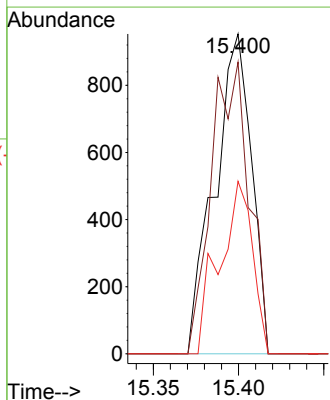
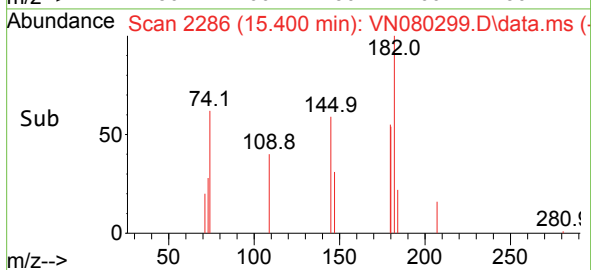
Tgt Ion:146 Resp: 1149
Ion Ratio Lower Upper
146 100
111 34.0 22.0 66.0
148 58.2 31.8 95.3

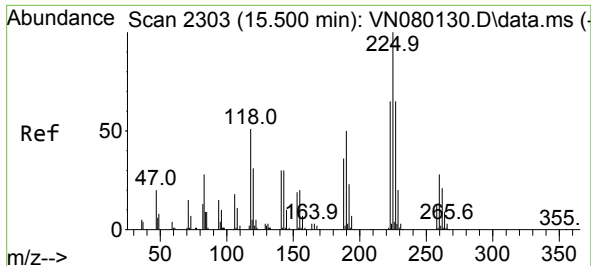


#93
1,2,4-Trichlorobenzene
Concen: 0.475 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15



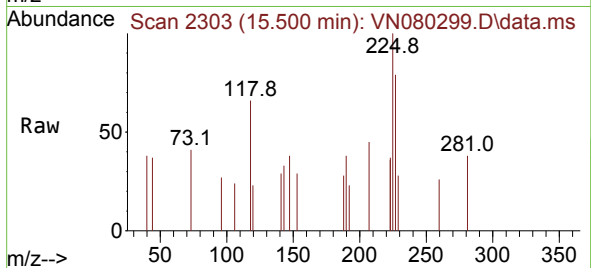
Tgt Ion:180 Resp: 1438
Ion Ratio Lower Upper
180 100
182 93.4 46.1 138.2
145 48.3 16.6 49.8



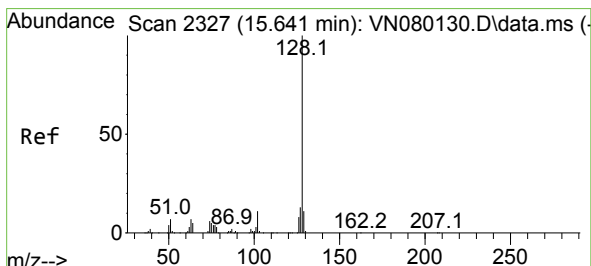
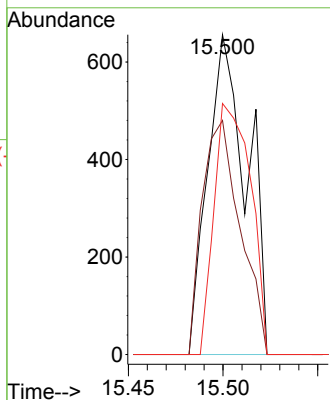
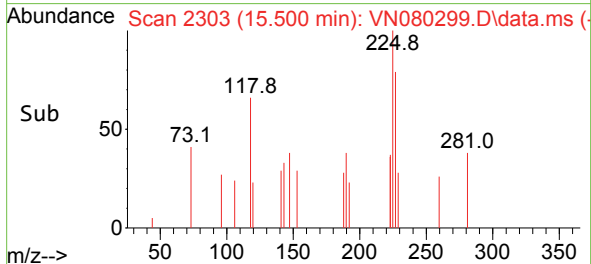


#94
Hexachlorobutadiene
Concen: 0.542 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

Instrument :
MSVOA_N
ClientSampleId :

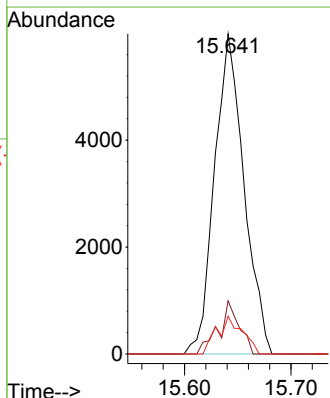
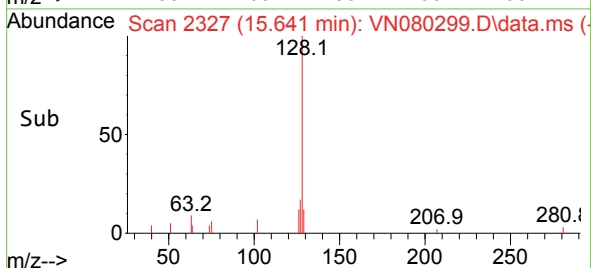
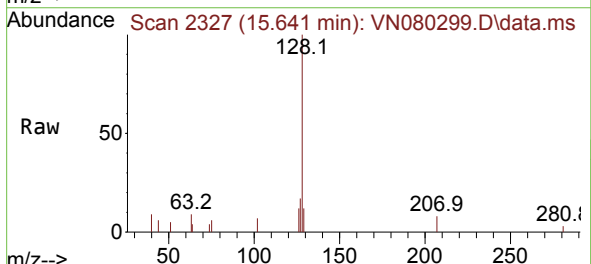


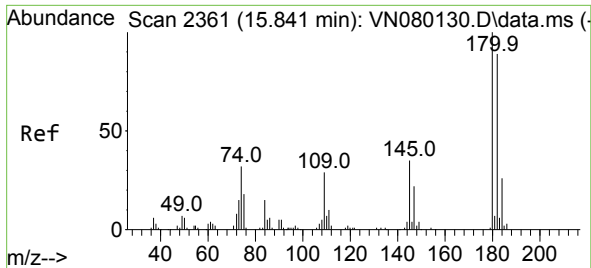
Tgt Ion:225 Resp: 943
Ion Ratio Lower Upper
225 100
223 71.4 31.3 93.8
227 73.2 31.9 95.9



#95
Naphthalene
Concen: 1.311 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080299.D
Acq: 28 Nov 2023 16:15

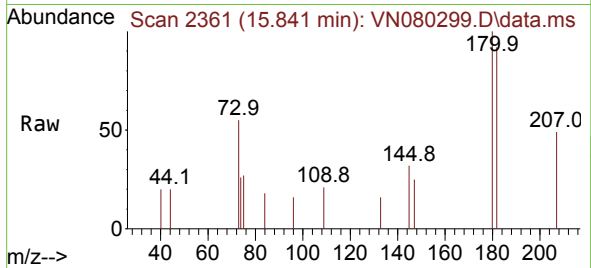
Tgt Ion:128 Resp: 11503
Ion Ratio Lower Upper
128 100
127 11.6 10.0 15.0
129 10.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.596 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080299.D
 Acq: 28 Nov 2023 16:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1691
Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.2	138.6
145	20.3	17.5	52.6

