

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082244.D
 Acq On : 21 May 2024 16:41
 Operator : JC\MD
 Sample : P2525-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-MH-AA

Quant Time: May 22 01:28:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

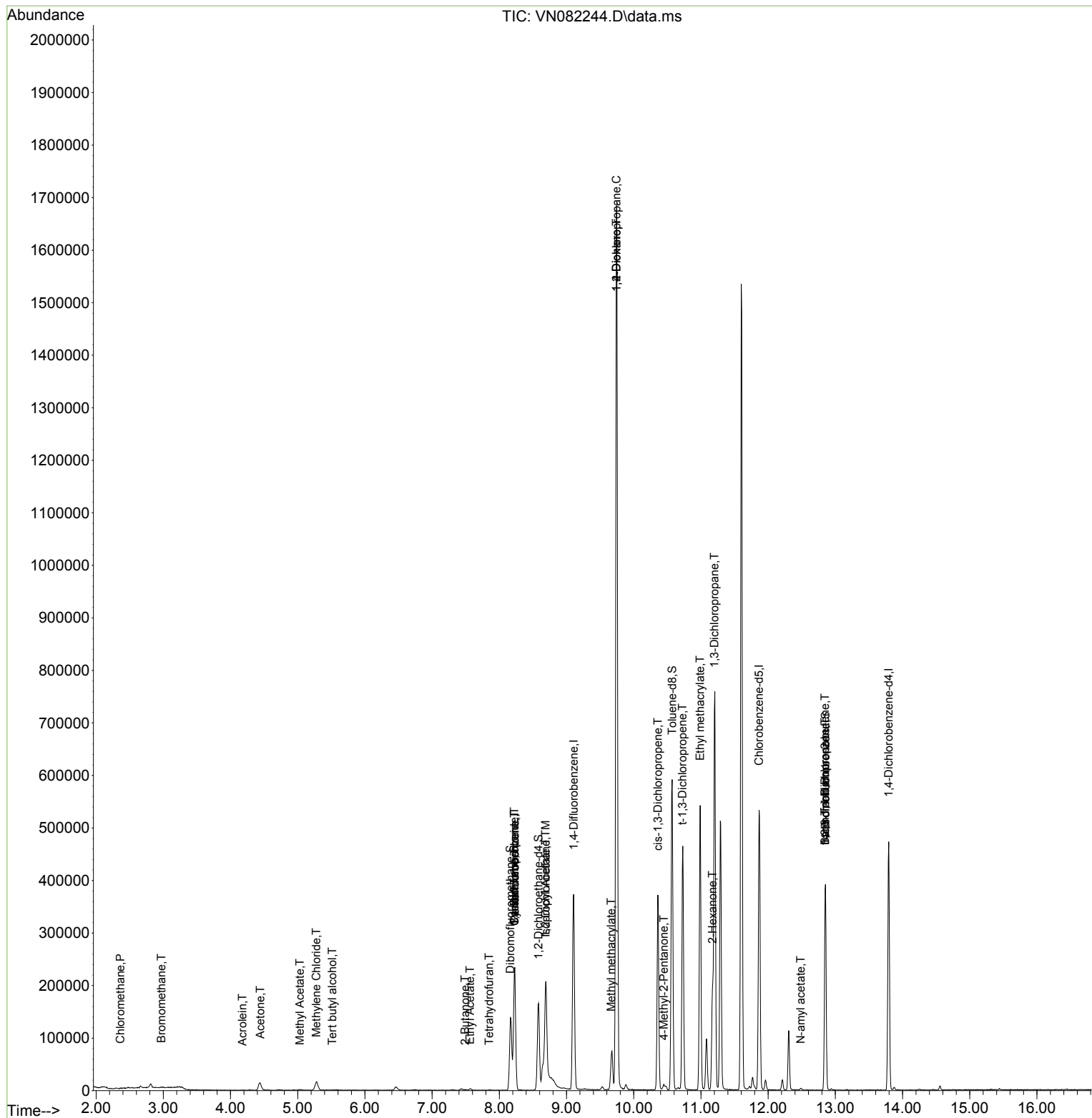
Internal Standards						
1) Pentafluorobenzene	8.230	168	158754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	137055	54.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.340%	
35) Dibromofluoromethane	8.165	113	97496	54.752	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.500%	
50) Toluene-d8	10.571	98	381408	55.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.740%	
62) 4-Bromofluorobenzene	12.853	95	125512	51.508	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	567	0.219	ug/l #	43
5) Bromomethane	2.971	94	361	0.258	ug/l #	3
11) Tert butyl alcohol	5.512	59	117	0.291	ug/l #	71
13) Acrolein	4.177	56	113	0.379	ug/l #	15
16) Acetone	4.442	43	29841	29.019	ug/l	90
18) Methyl Acetate	5.030	43	2388	0.932	ug/l #	62
20) Methylene Chloride	5.277	84	11097	5.349	ug/l #	82
25) 2-Butanone	7.489	43	2133	1.368	ug/l #	86
29) Tetrahydrofuran	7.847	42	518	0.517	ug/l #	37
31) Cyclohexane	8.224	56	4370	1.091	ug/l #	54
36) 1,1-Dichloropropene	8.224	75	15544	5.205	ug/l #	48
37) Ethyl Acetate	7.565	43	4822	1.443	ug/l #	83
38) Carbon Tetrachloride	8.224	117	17488	5.776	ug/l #	17
42) 1,2-Dichloroethane	8.689	62	1131	0.330	ug/l #	73
43) Isopropyl Acetate	8.689	43	337686	57.020	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	2042	0.889	ug/l #	45
48) Methyl methacrylate	9.665	41	5319	1.885	ug/l #	39
49) 1,4-Dioxane	9.741	88	147	3.717	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6899	2.050	ug/l	88
53) t-1,3-Dichloropropene	10.724	75	1093	0.332	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	55854	16.020	ug/l #	76
56) Ethyl methacrylate	10.988	69	1987	0.603	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7224	1.989	ug/l #	42
59) 2-Hexanone	11.171	43	161652	65.612	ug/l #	23
71) Bromoform	12.847	173	969	1.279	ug/l #	28
74) N-amyl acetate	12.482	43	2658	0.518	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	73480	29.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73480	69.562	ug/l #	12

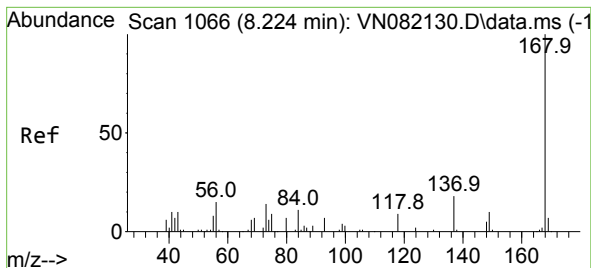
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082244.D

Acq: 21 May 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

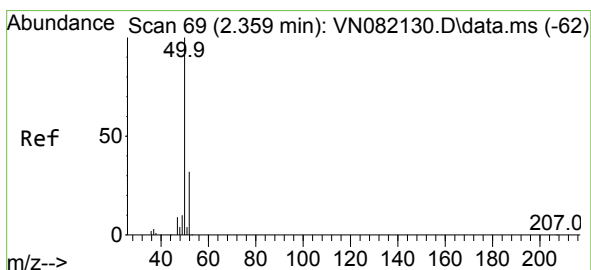
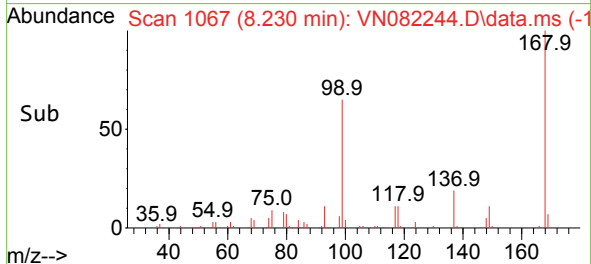
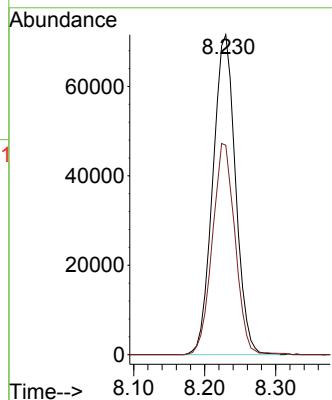
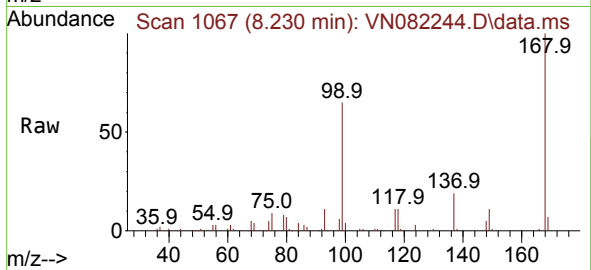
WC-MH-AA

Tgt Ion:168 Resp: 158754

Ion Ratio Lower Upper

168 100

99 65.5 48.2 72.4



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082244.D

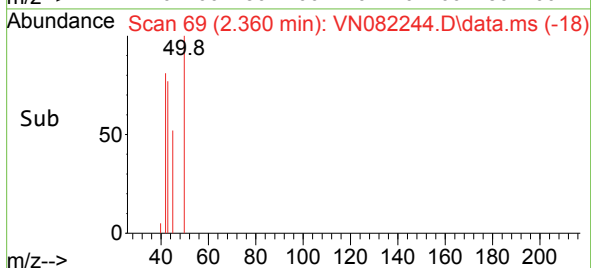
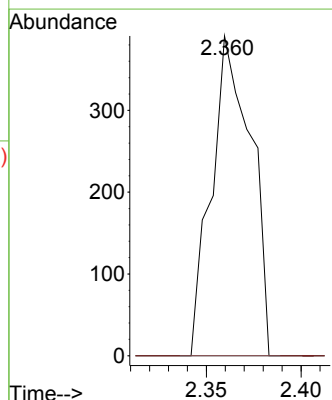
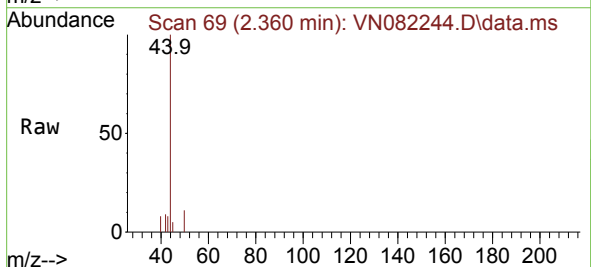
Acq: 21 May 2024 16:41

Tgt Ion: 50 Resp: 567

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

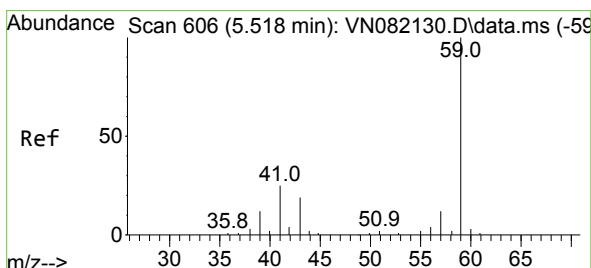
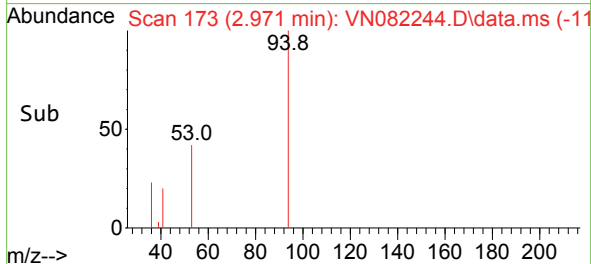
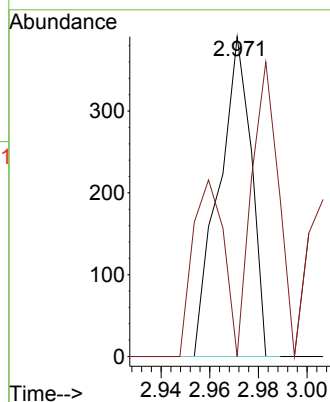
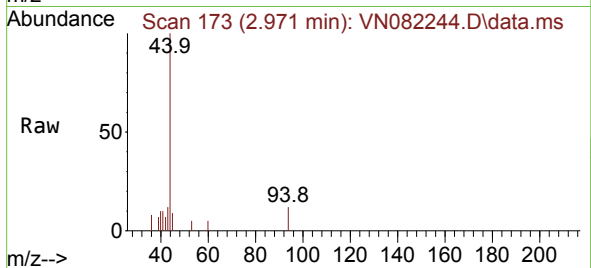




#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

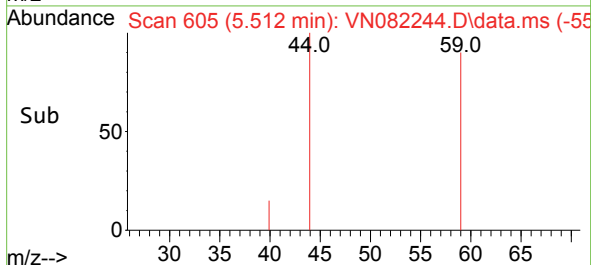
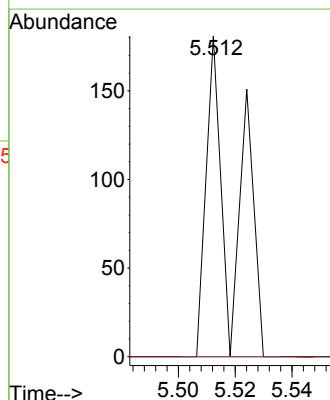
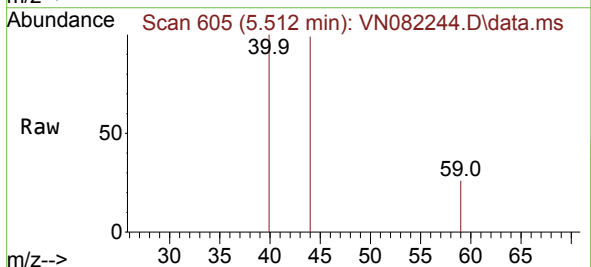
Instrument :
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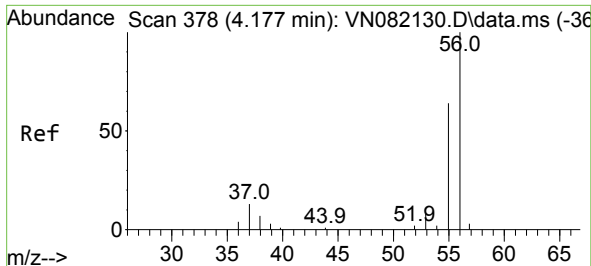
Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

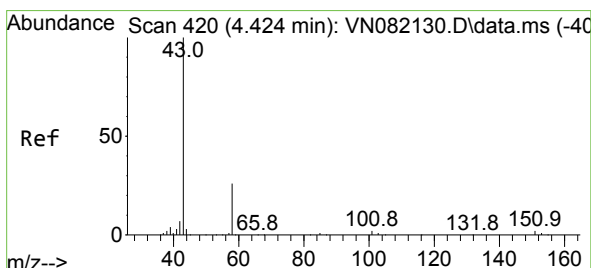
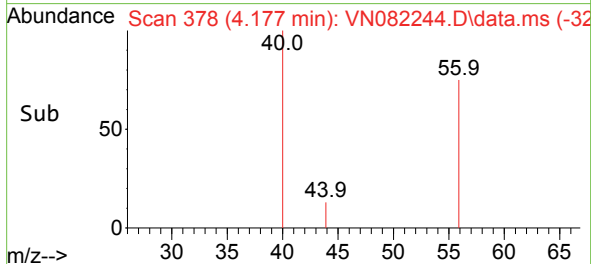
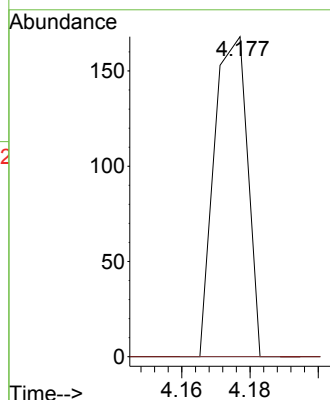
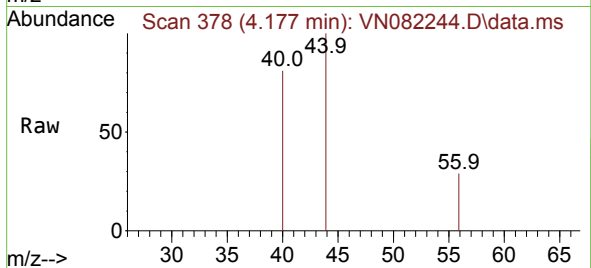




#13
Acrolein
Concen: 0.379 ug/l
RT: 4.177 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

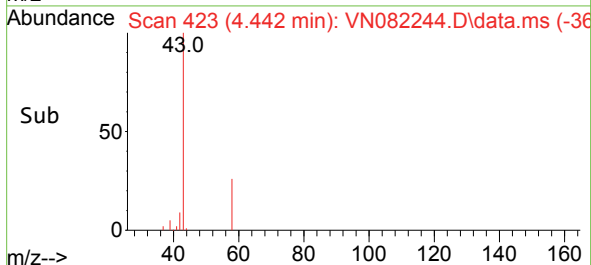
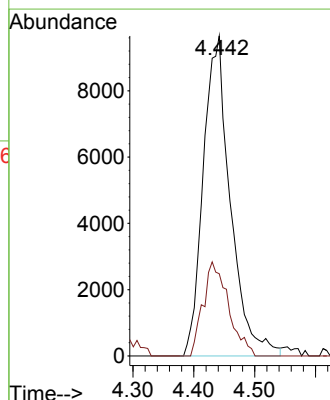
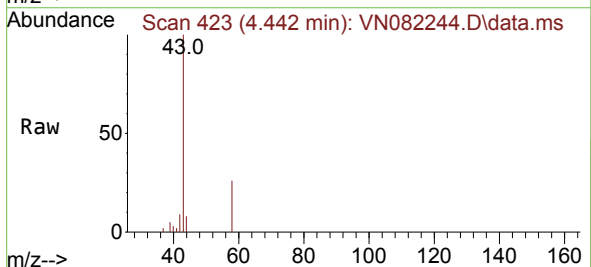
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

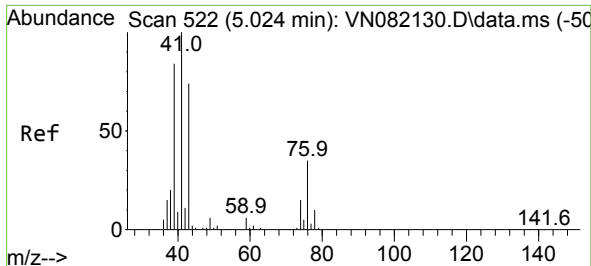
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 29.019 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 43 Resp: 29841
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8

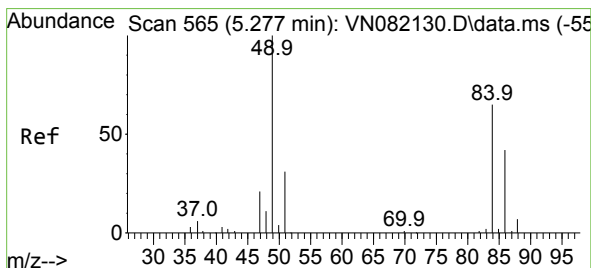
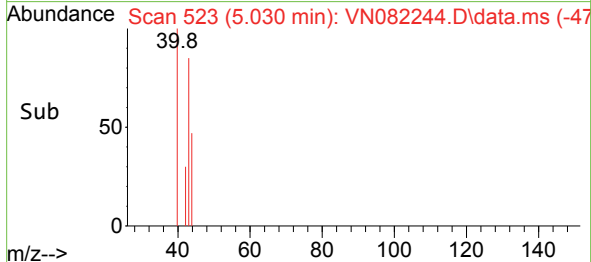
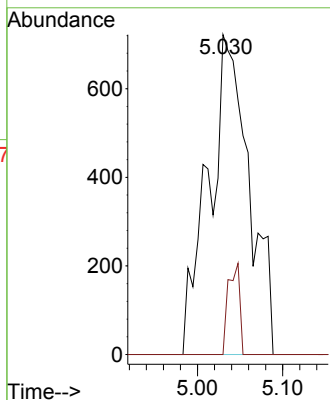
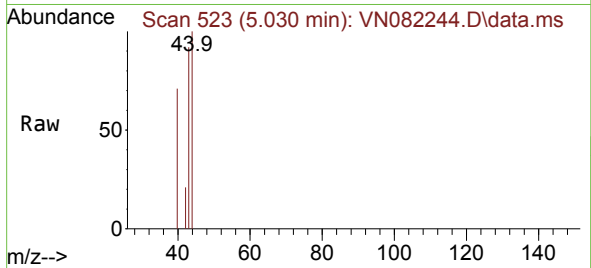




#18
Methyl Acetate
Concen: 0.932 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

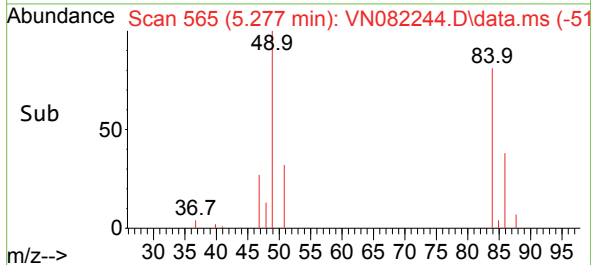
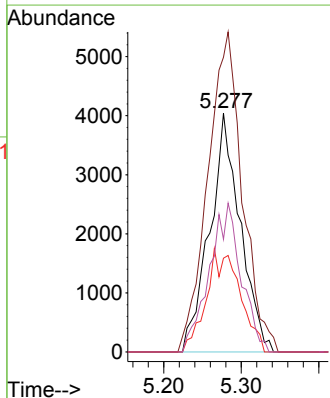
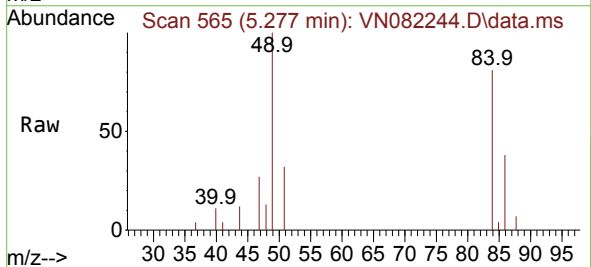
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

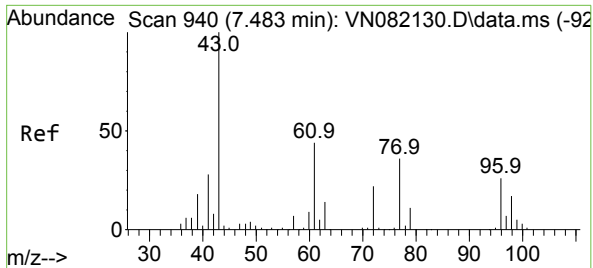
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
74 8.0 22.2 33.2#



#20
Methylene Chloride
Concen: 5.349 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 84 Resp: 11097
Ion Ratio Lower Upper
84 100
49 123.3 84.9 127.3
51 39.2 27.0 40.6
86 47.1 52.3 78.5#

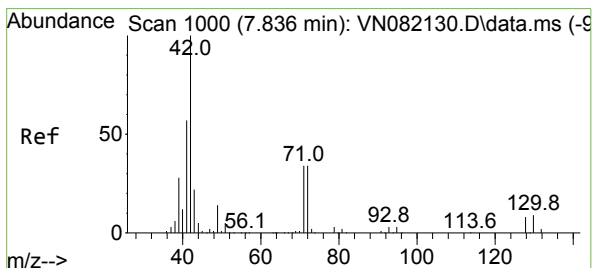
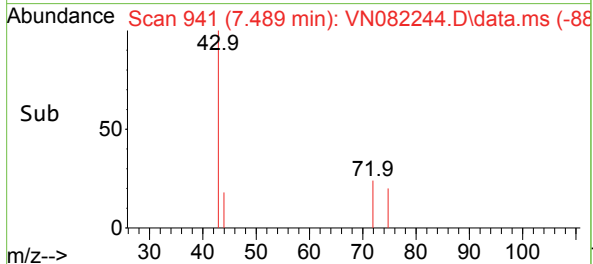
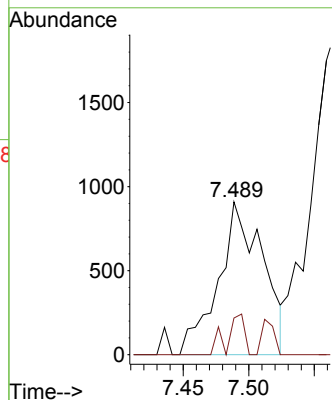
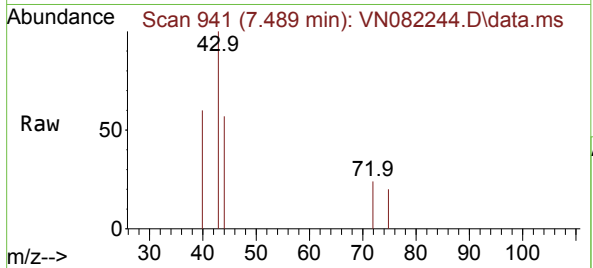




#25
2-Butanone
Concen: 1.368 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

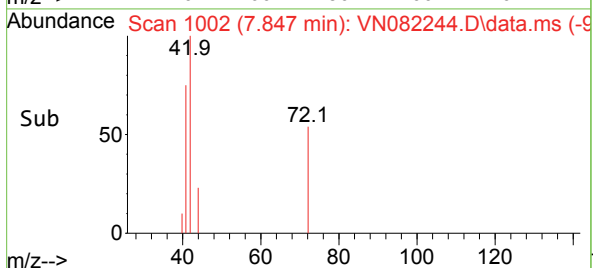
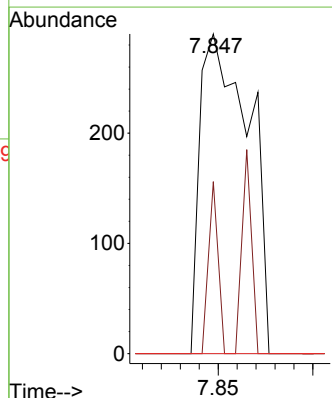
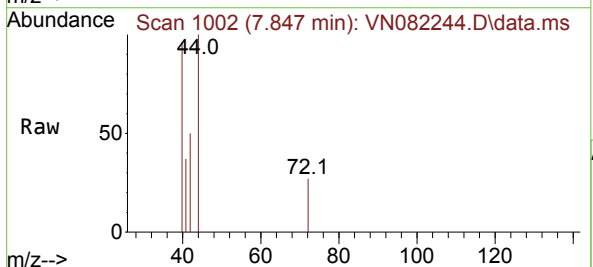
Instrument :
MSVOA_N
ClientSampleId :
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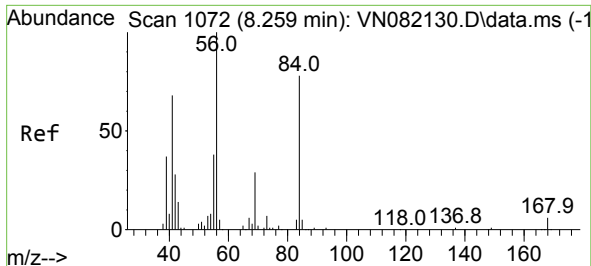
Tgt Ion: 43 Resp: 2133
Ion Ratio Lower Upper
43 100
72 24.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

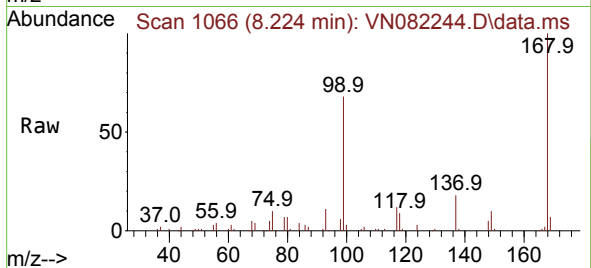
Tgt Ion: 42 Resp: 518
Ion Ratio Lower Upper
42 100
72 10.6 39.3 58.9#
71 0.0 37.4 56.0#



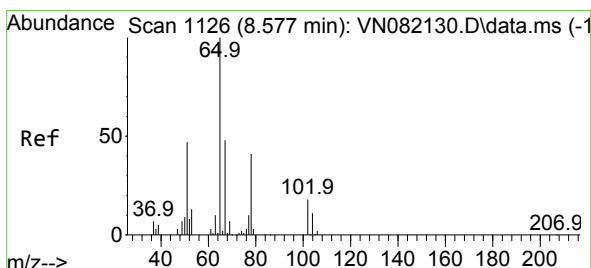
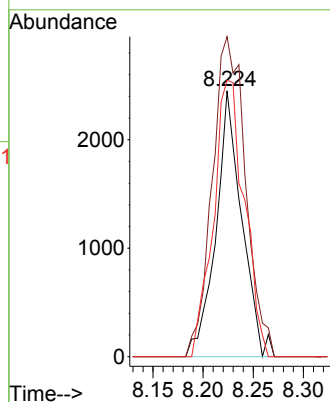
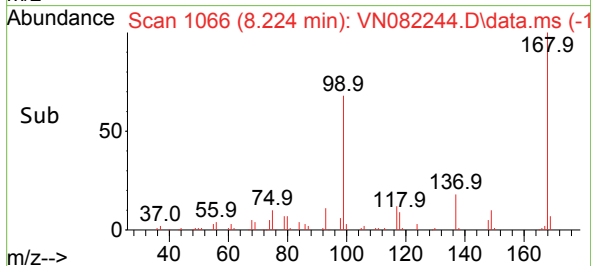


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Instrument :
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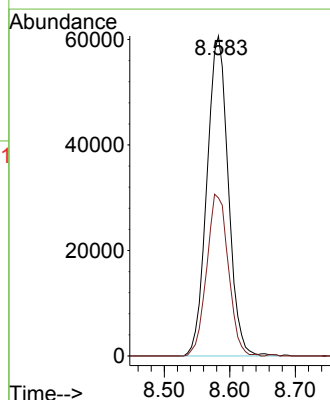
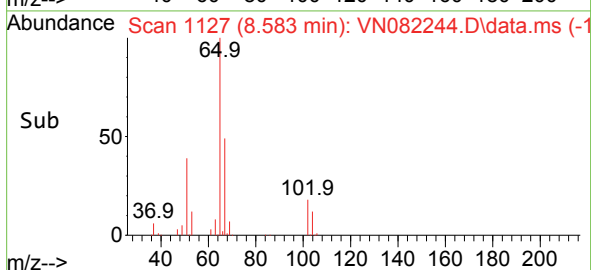
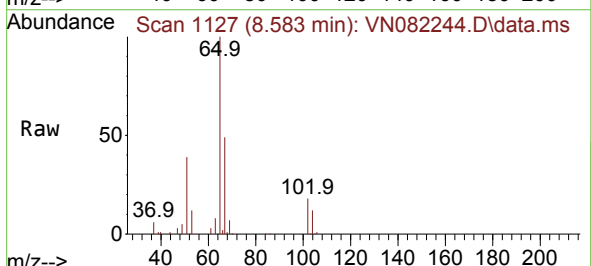


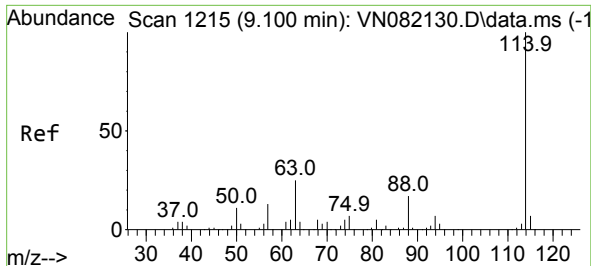
Tgt Ion: 56 Resp: 4370
Ion Ratio Lower Upper
56 100
69 120.4 24.4 36.6#
84 104.0 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 54.674 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 65 Resp: 137055
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

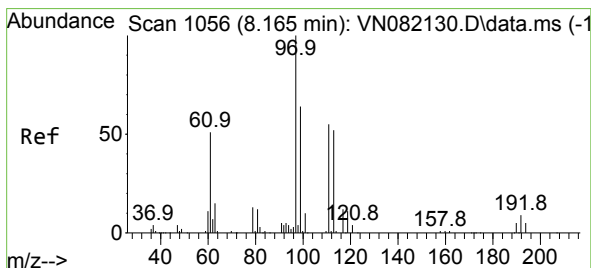
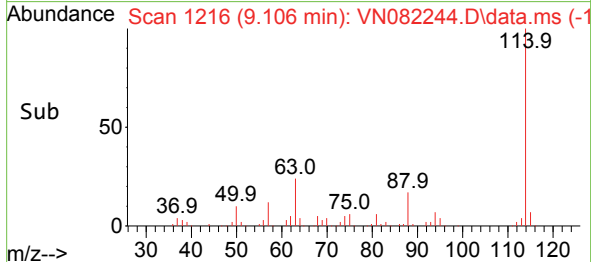
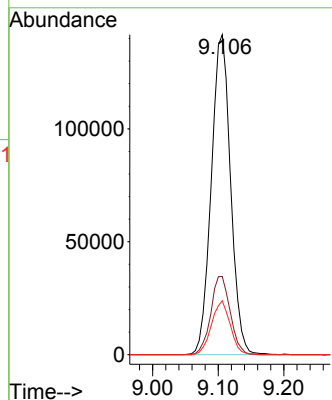
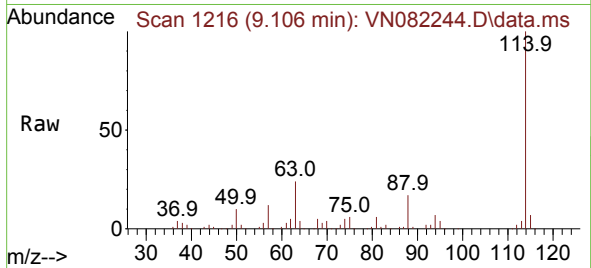




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

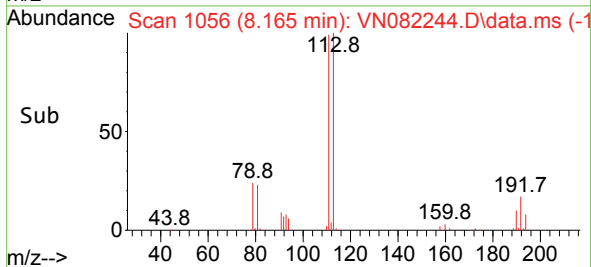
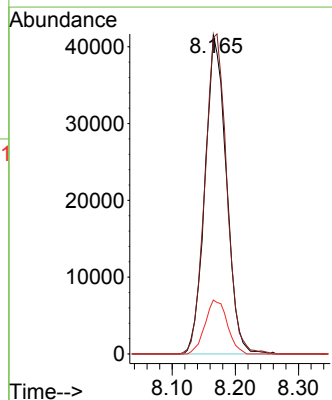
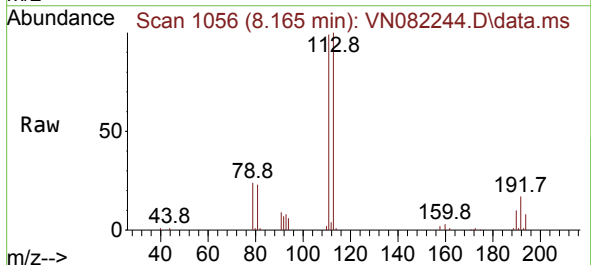
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

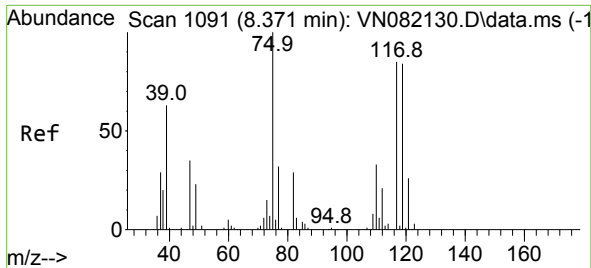
Tgt Ion:114 Resp: 289471
Ion Ratio Lower Upper
114 100
63 24.5 0.0 41.0
88 16.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.752 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion:113 Resp: 97496
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 17.6 14.0 21.0

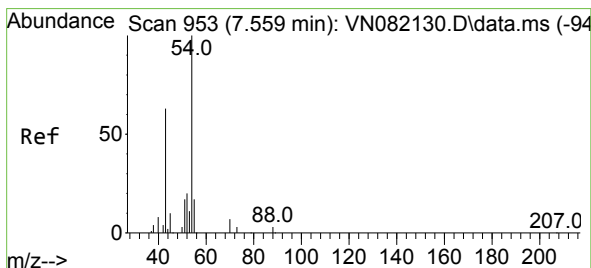
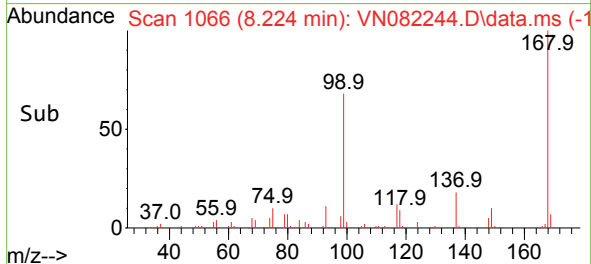
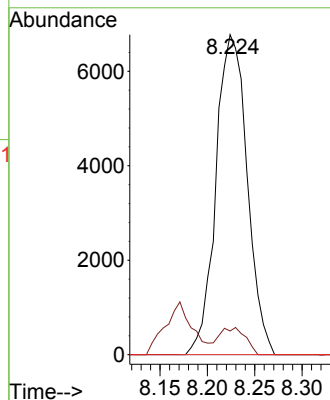
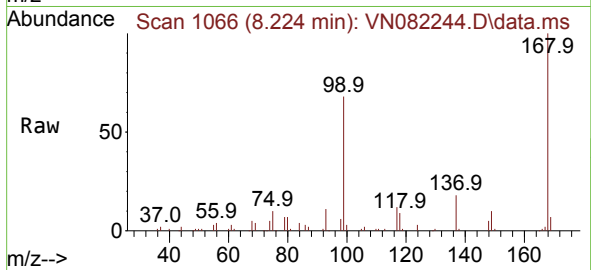




#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

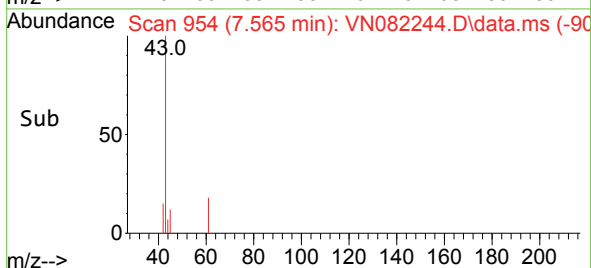
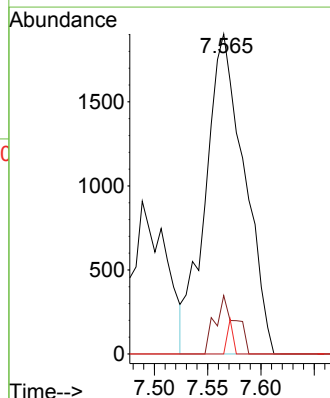
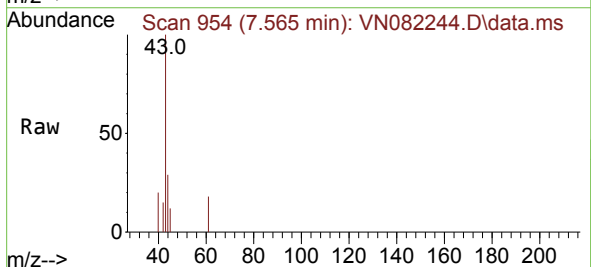
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

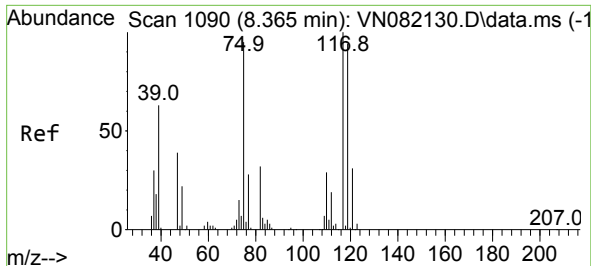
Tgt Ion: 75 Resp: 15544
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.443 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

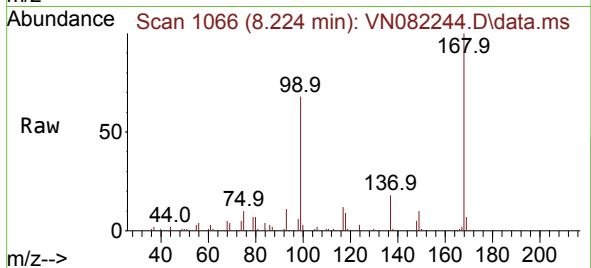
Tgt Ion: 43 Resp: 4822
Ion Ratio Lower Upper
43 100
61 9.7 11.3 16.9#
70 1.5 8.7 13.1#



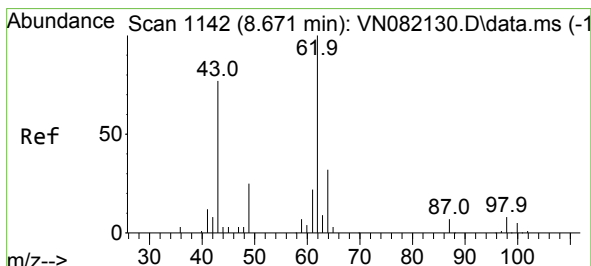
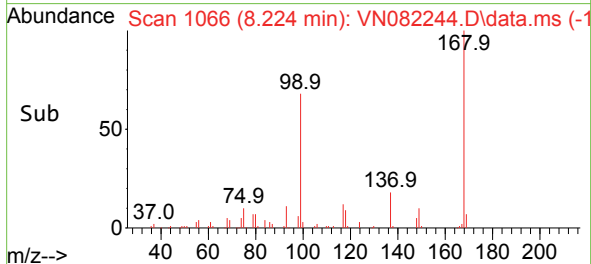
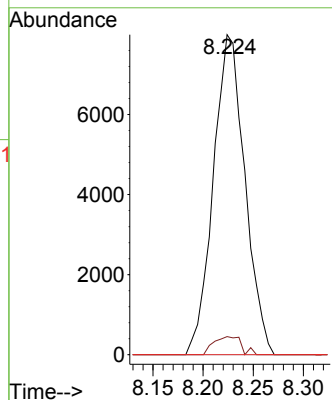


#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

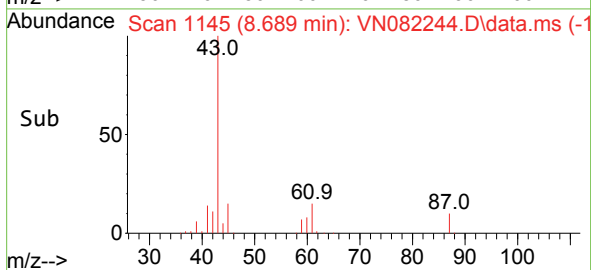
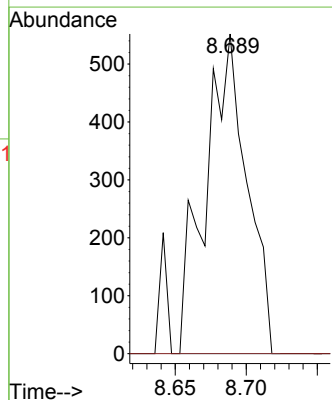
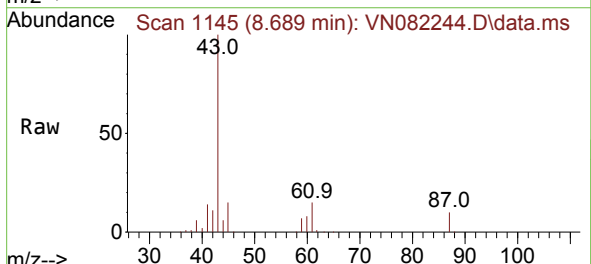


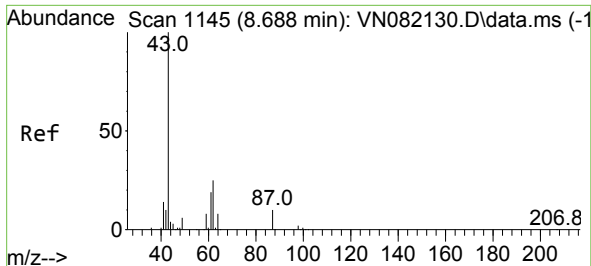
Tgt Ion:117 Resp: 17488
Ion Ratio Lower Upper
117 100
119 5.6 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.330 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 62 Resp: 1131
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

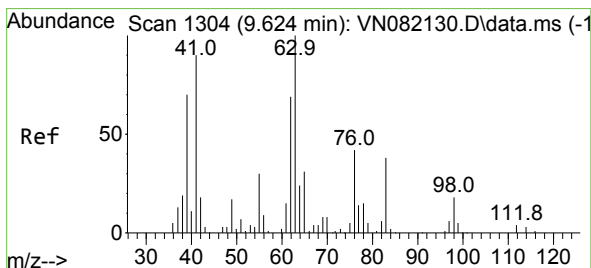
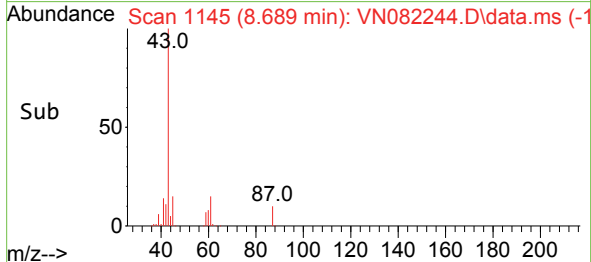
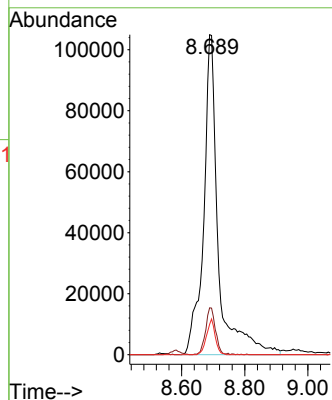
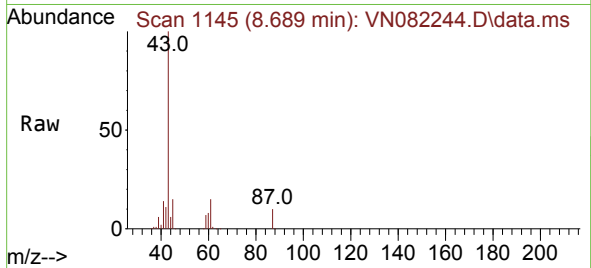




#43
Isopropyl Acetate
Concen: 57.020 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

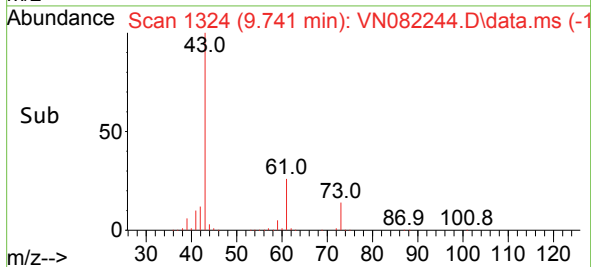
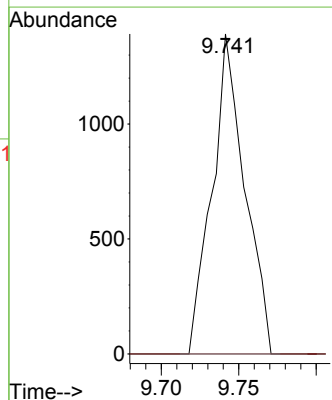
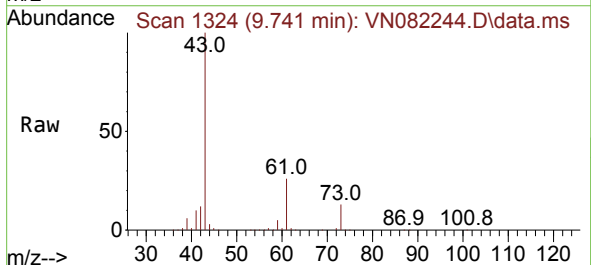
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

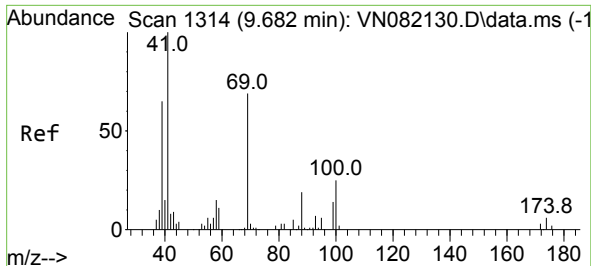
Tgt Ion: 43 Resp: 337686
Ion Ratio Lower Upper
43 100
61 10.0 22.8 34.2#
87 6.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.889 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 63 Resp: 2042
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

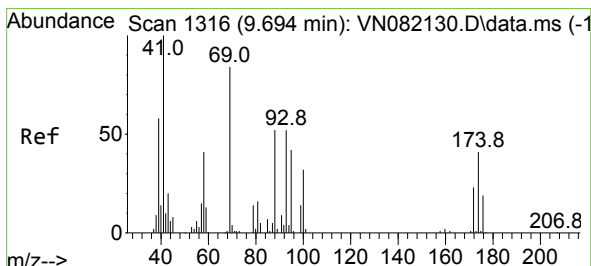
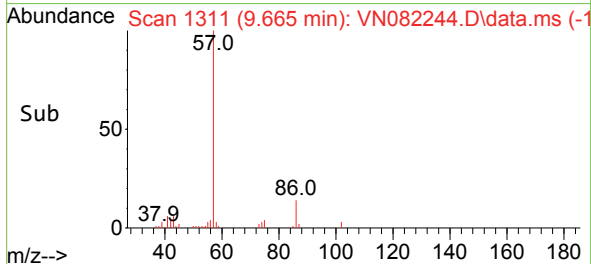
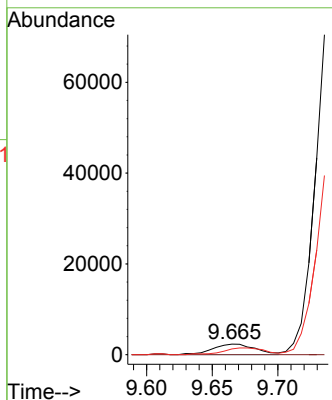
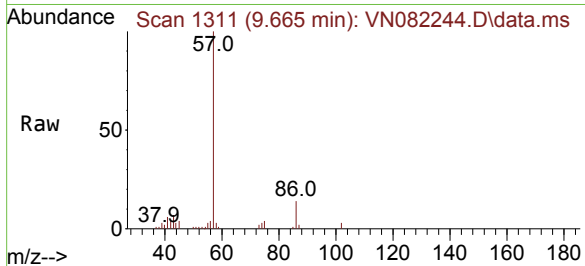




#48
Methyl methacrylate
Concen: 1.885 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

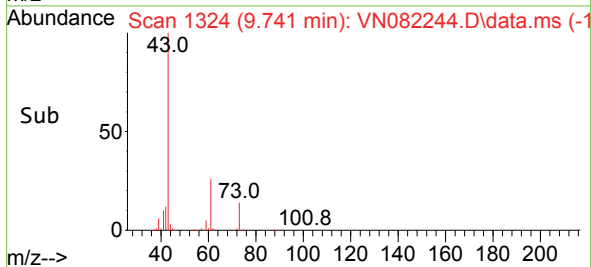
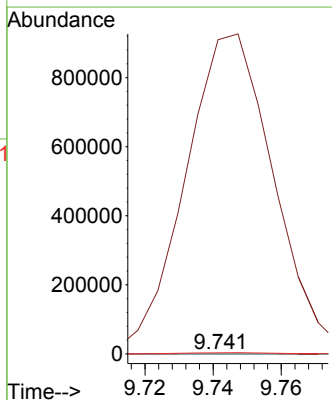
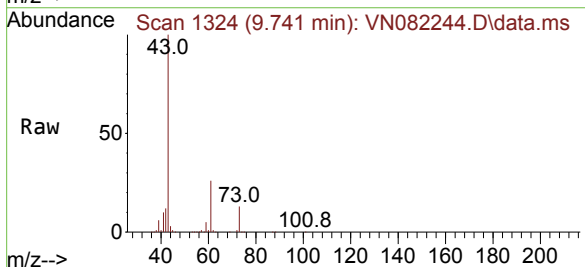
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

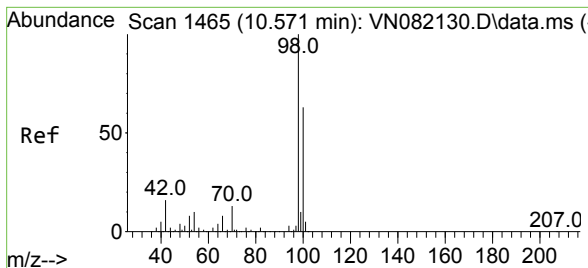
Tgt Ion: 41 Resp: 5319
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.4 50.9 76.3



#49
1,4-Dioxane
Concen: 3.717 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
43 1142702.7 19.0 28.6#
58 4661.9 50.6 76.0#

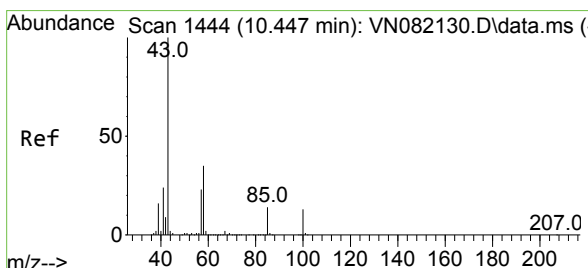
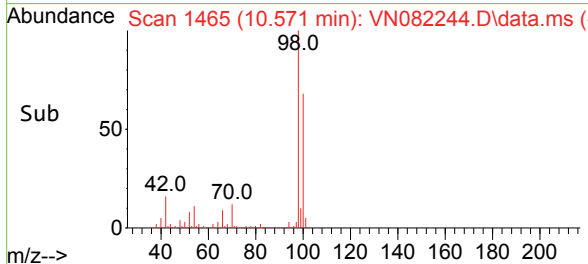
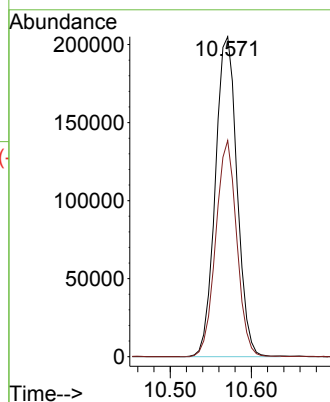
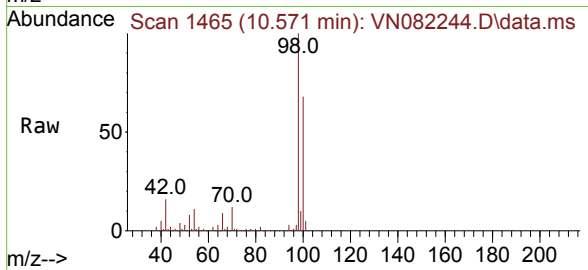




#50
Toluene-d8
Concen: 55.867 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

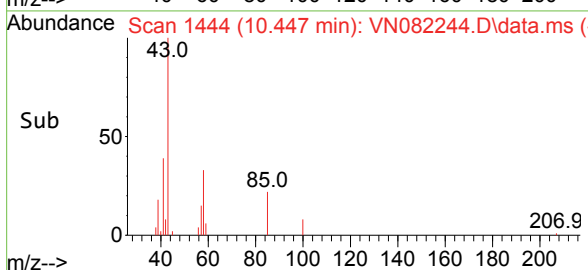
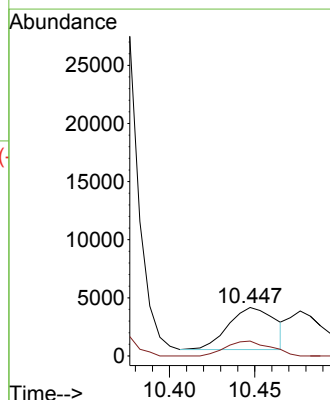
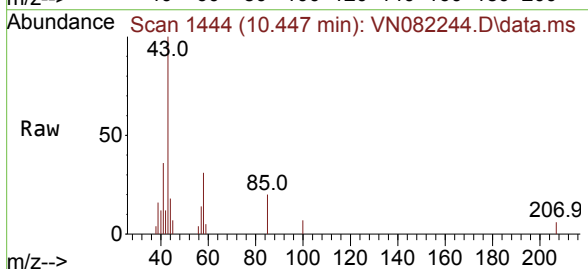
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

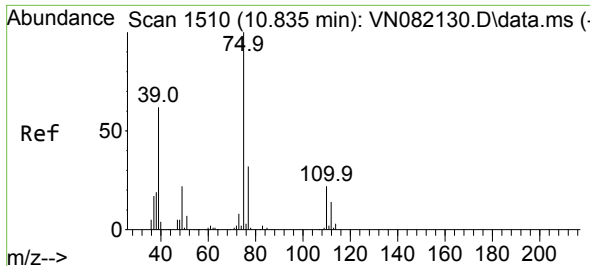
Tgt Ion: 98 Resp: 381408
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.050 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 43 Resp: 6899
Ion Ratio Lower Upper
43 100
58 33.7 33.2 49.8

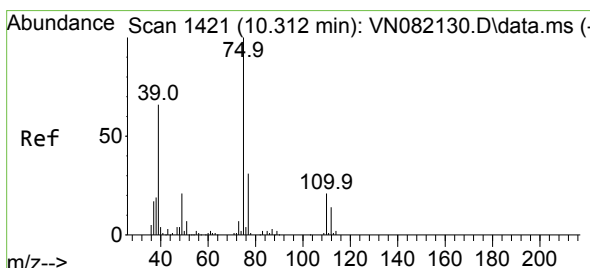
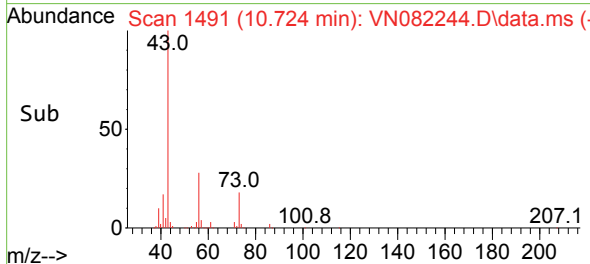
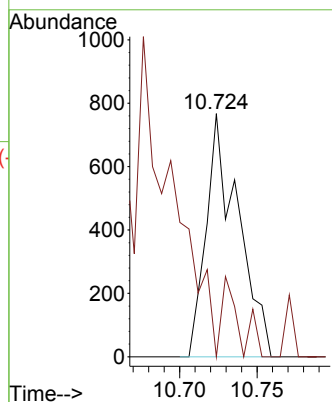
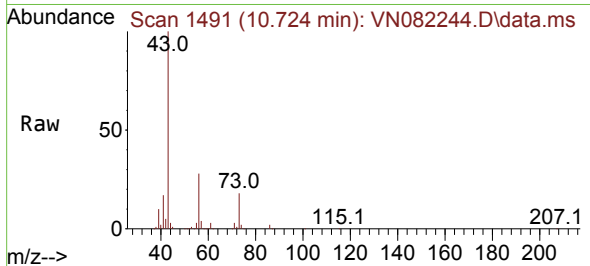




#53
 t-1,3-Dichloropropene
 Concen: 0.332 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082244.D
 Acq: 21 May 2024 16:41

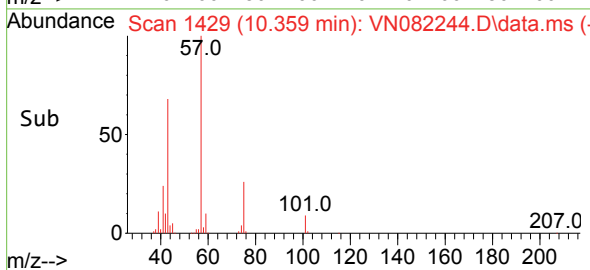
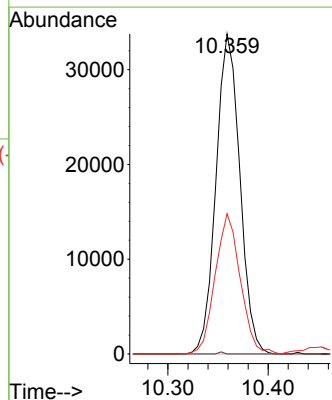
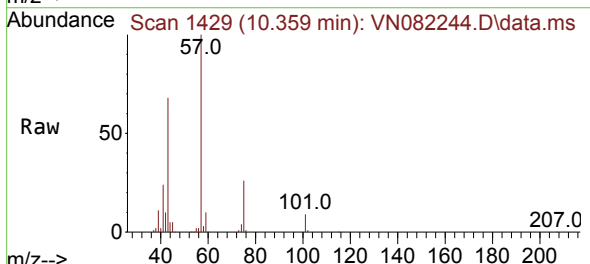
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-MH-AA

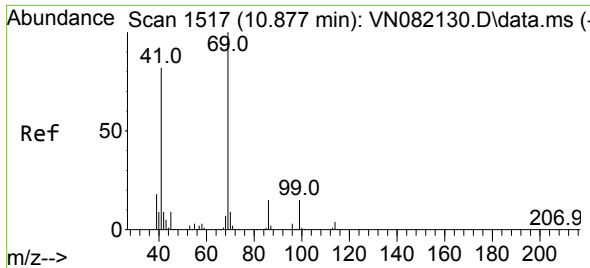
Tgt Ion: 75 Resp: 1093
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.020 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082244.D
 Acq: 21 May 2024 16:41

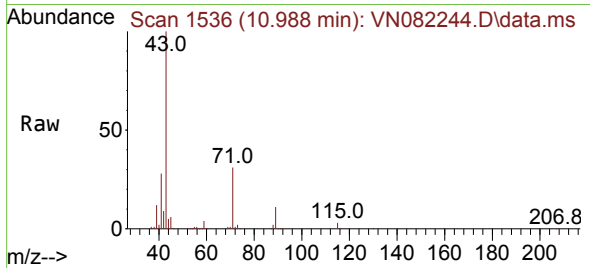
Tgt Ion: 75 Resp: 55854
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 43.8 34.8 52.2



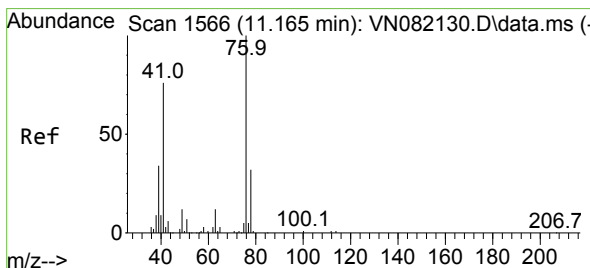
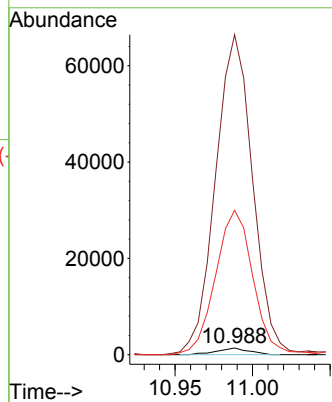
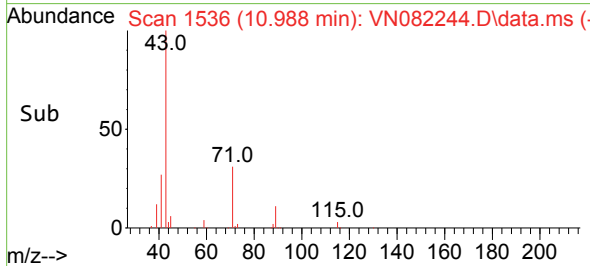


#56
Ethyl methacrylate
Concen: 0.603 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

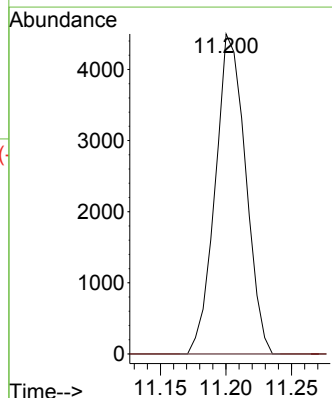
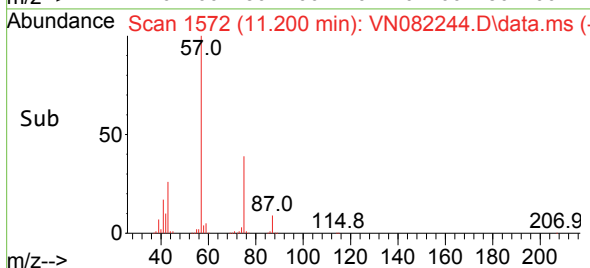
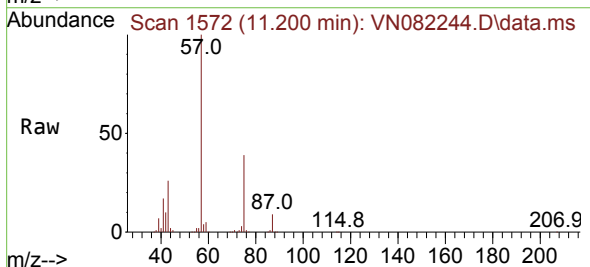


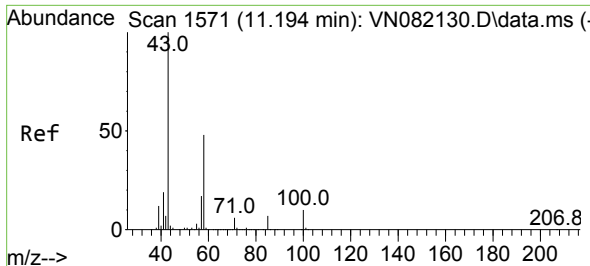
Tgt Ion: 69 Resp: 1987
Ion Ratio Lower Upper
69 100
41 5590.5 46.6 70.0#
39 2536.2 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.989 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 76 Resp: 7224
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

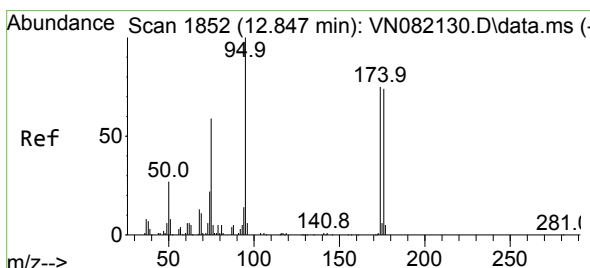
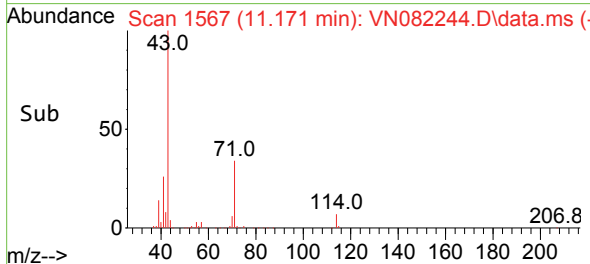
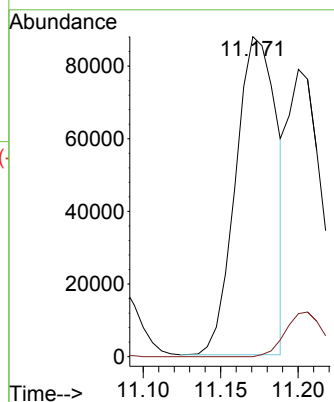
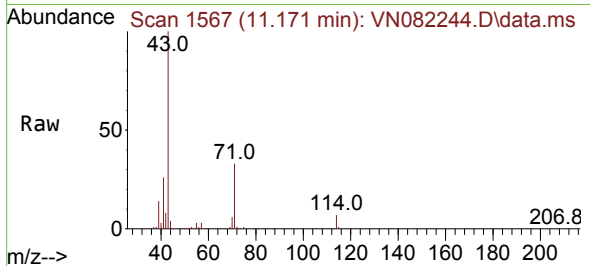




#59
2-Hexanone
Concen: 65.612 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

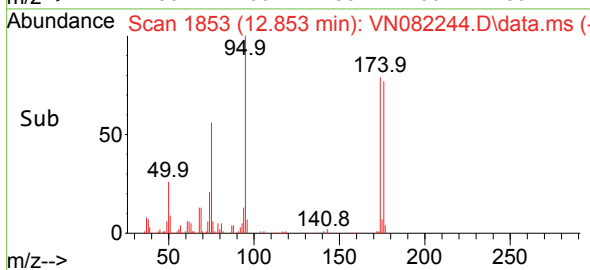
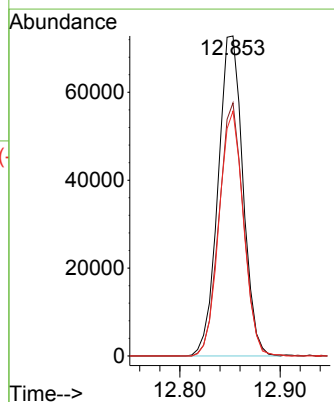
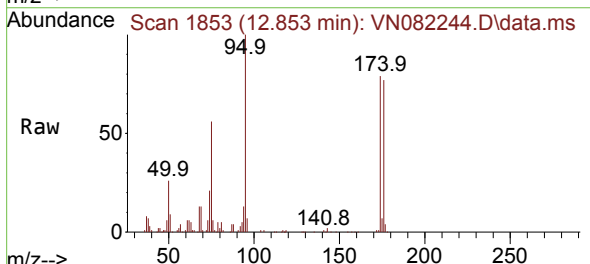
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

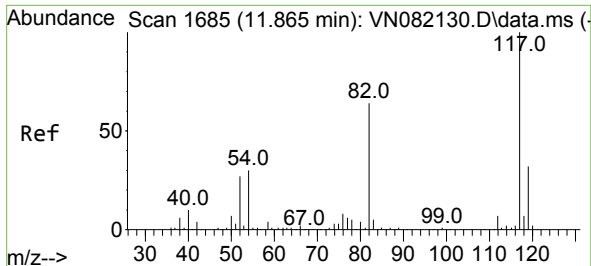
Tgt Ion: 43 Resp: 161652
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.508 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion: 95 Resp: 125512
Ion Ratio Lower Upper
95 100
174 77.3 0.0 160.6
176 75.1 0.0 152.8

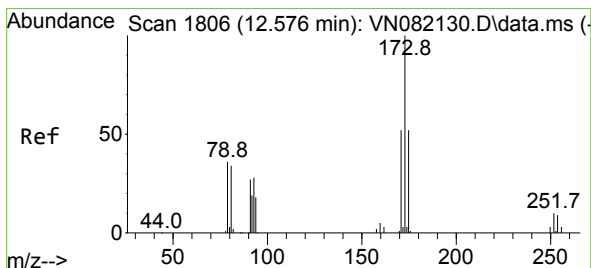
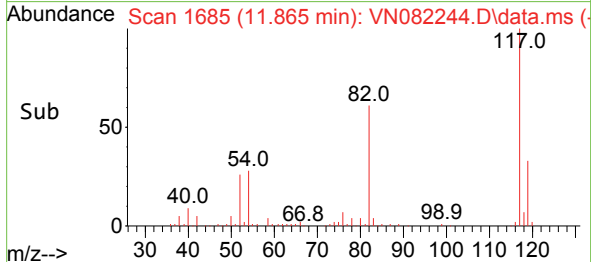
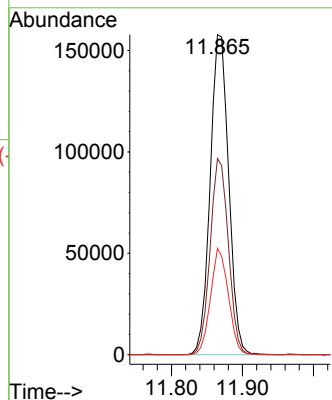
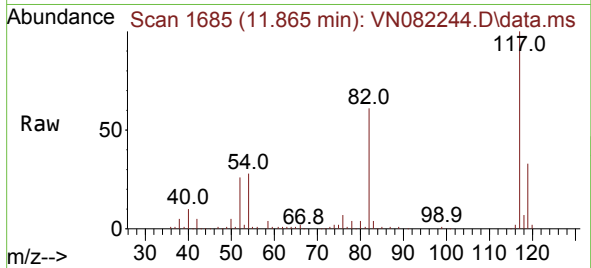




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

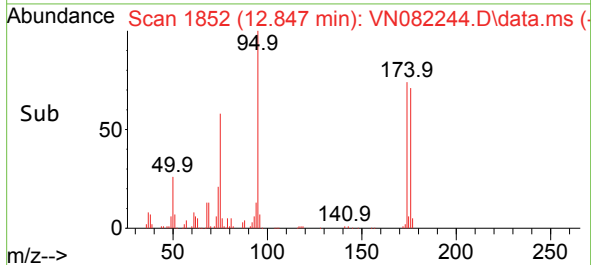
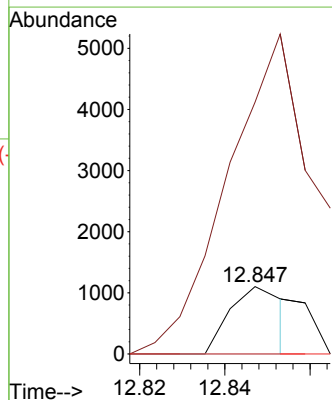
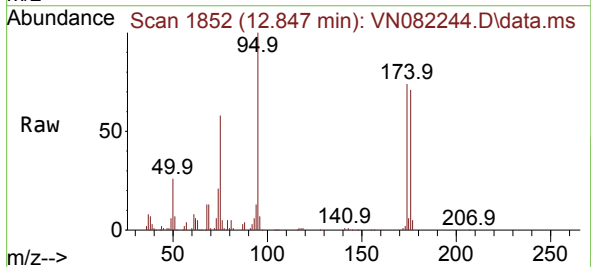
Instrument :
MSVOA_N
ClientSampleId :
WC-MH-AA

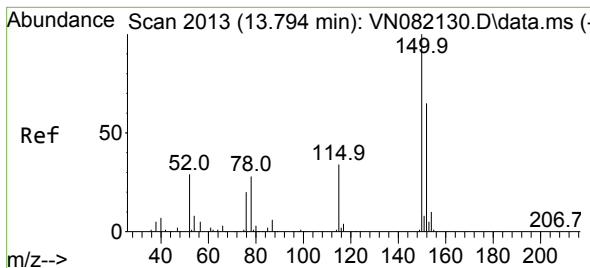
Tgt Ion:117 Resp: 285825
Ion Ratio Lower Upper
117 100
82 61.3 44.6 66.8
119 33.3 25.9 38.9



#71
Bromoform
Concen: 1.279 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082244.D
Acq: 21 May 2024 16:41

Tgt Ion:173 Resp: 969
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082244.D

Acq: 21 May 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

WC-MH-AA

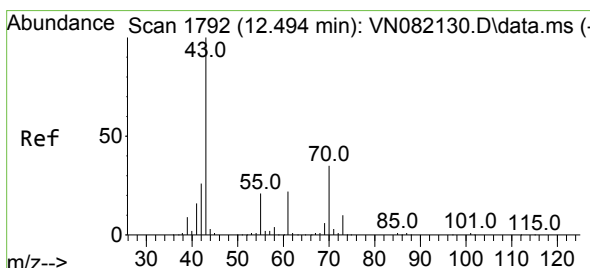
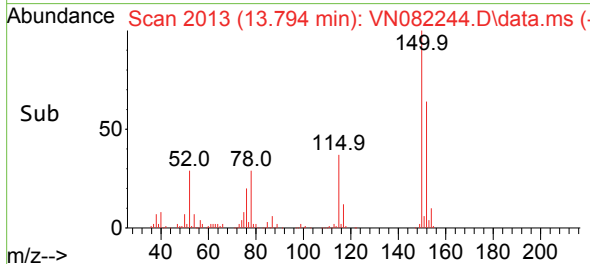
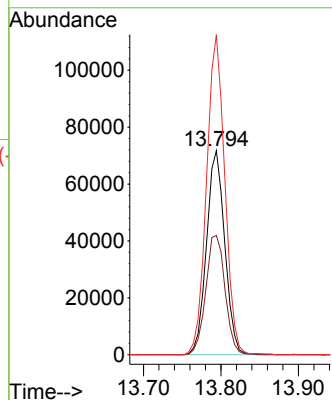
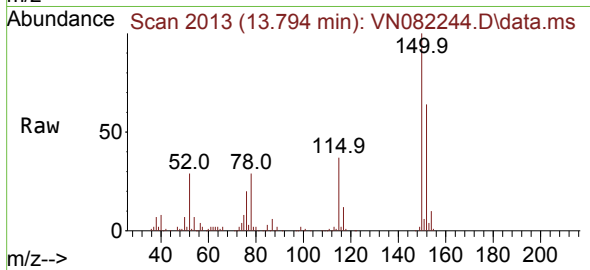
Tgt Ion:152 Resp: 117387

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 156.5 0.0 353.2



#74

N-ethyl acetate

Concen: 0.518 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082244.D

Acq: 21 May 2024 16:41

Tgt Ion: 43 Resp: 2658

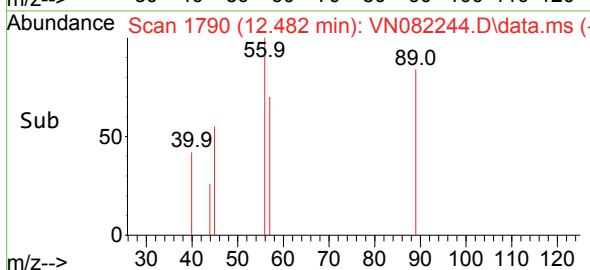
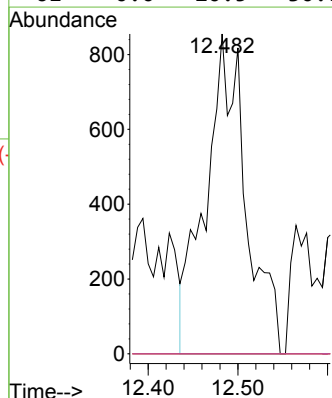
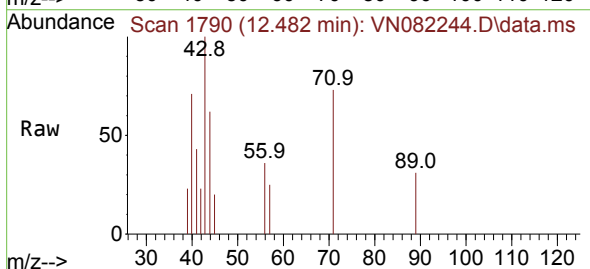
Ion Ratio Lower Upper

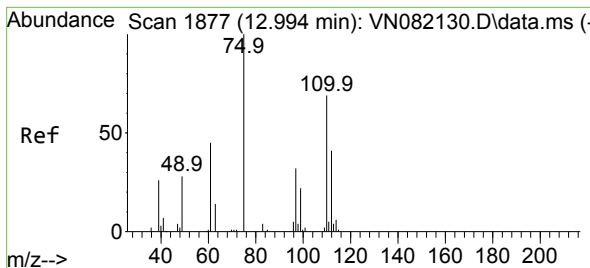
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 29.740 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082244.D

Acq: 21 May 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

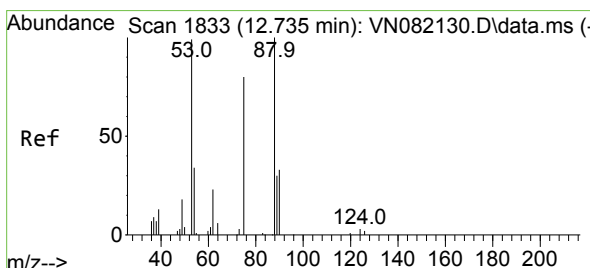
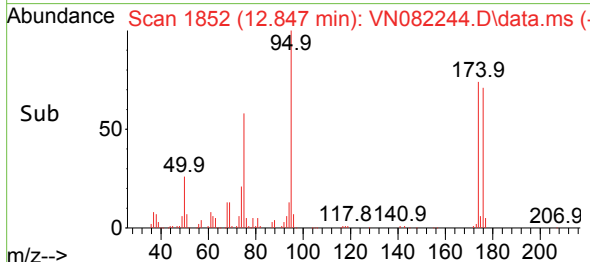
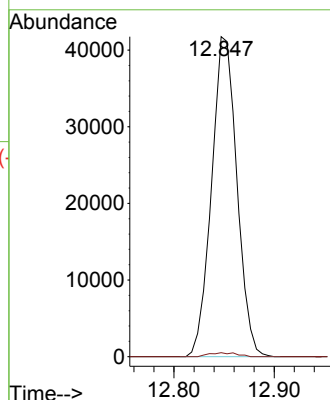
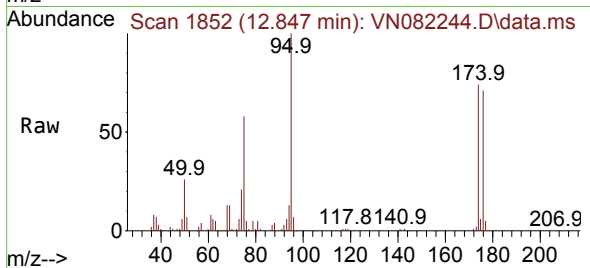
WC-MH-AA

Tgt Ion: 75 Resp: 73480

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.562 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082244.D

Acq: 21 May 2024 16:41

Tgt Ion: 75 Resp: 73480

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

