

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082557.D
 Acq On : 13 Jun 2024 14:19
 Operator : JC\MD
 Sample : P2853-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 5

Quant Time: Jun 14 02:28:52 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

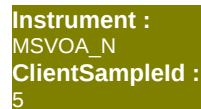
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

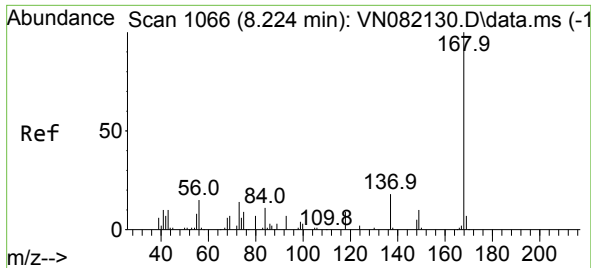
Internal Standards						
1) Pentafluorobenzene	8.230	168	162598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	314371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135357	52.720	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.440%			
35) Dibromofluoromethane	8.165	113	98094	51.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	10.571	98	387977	53.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.060%			
62) 4-Bromofluorobenzene	12.853	95	127919	48.990	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1928	4.678	ug/l #	71
16) Acetone	4.436	43	20162	19.143	ug/l #	85
18) Methyl Acetate	5.036	43	1876	0.715	ug/l #	59
20) Methylene Chloride	5.277	84	11521	5.422	ug/l #	84
25) 2-Butanone	7.494	43	11014	6.897	ug/l #	78
29) Tetrahydrofuran	7.847	42	566	0.552	ug/l #	29
31) Cyclohexane	8.230	56	4968	1.212	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	15655	4.892	ug/l #	49
37) Ethyl Acetate	7.565	43	4601	1.285	ug/l #	83
38) Carbon Tetrachloride	8.230	117	17793	5.485	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1000	0.272	ug/l #	73
43) Isopropyl Acetate	8.688	43	238702	37.614	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1800	0.731	ug/l #	45
48) Methyl methacrylate	9.677	41	5767	1.907	ug/l #	37
49) 1,4-Dioxane	9.735	88	66	1.558	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	134580	37.324	ug/l #	44
52) Toluene	10.630	92	1505	0.263	ug/l	84
53) t-1,3-Dichloropropene	10.735	75	828	0.235	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	51127	13.685	ug/l #	76
56) Ethyl methacrylate	10.982	69	2026	0.573	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6626	1.703	ug/l #	42
59) 2-Hexanone	11.171	43	152710	57.842	ug/l #	23
71) Bromoform	12.835	173	189	0.803	ug/l #	28
74) N-amyl acetate	12.459	43	3179	0.570	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	74113	27.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74113	64.571	ug/l #	13

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

Instrument :
MSVOA_N
ClientSampleId :
5

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MSVOA_N
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5

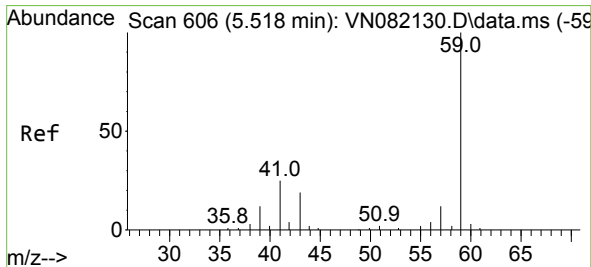
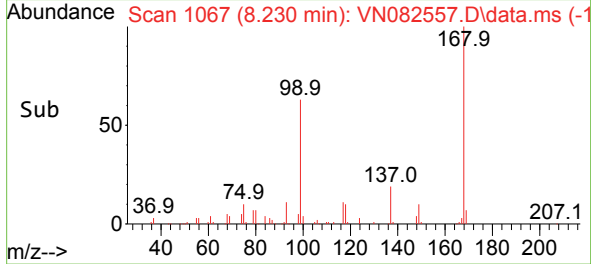
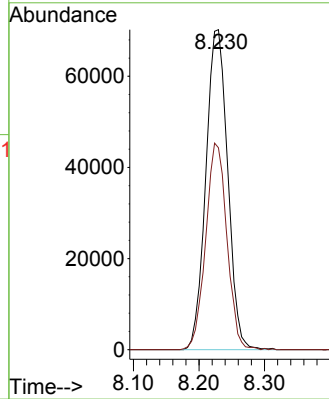
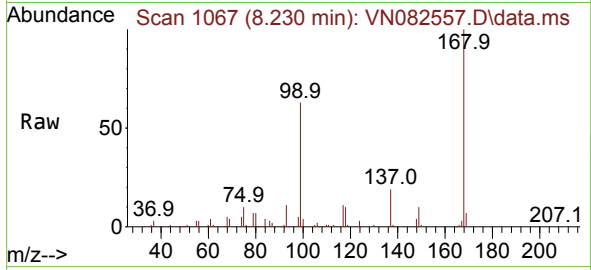




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

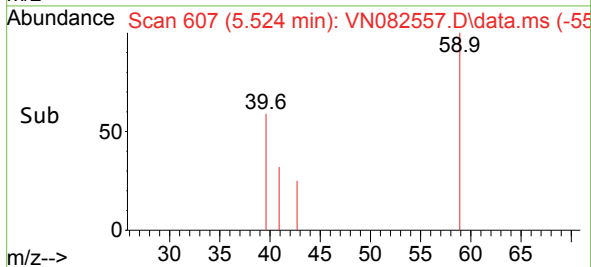
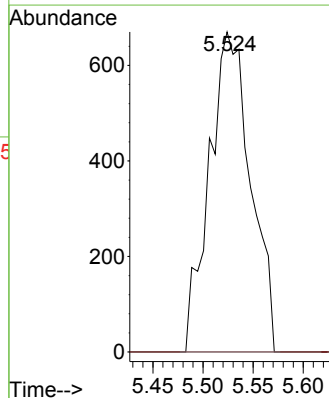
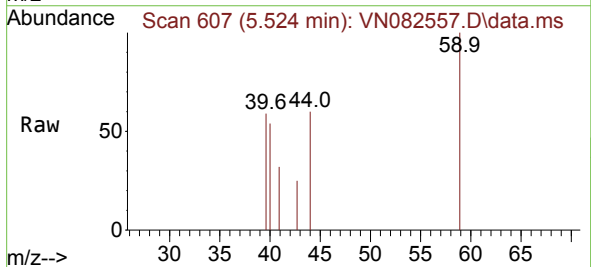
Instrument :
MSVOA_N
ClientSampleId :
5

Tgt Ion:168 Resp: 162598
Ion Ratio Lower Upper
168 100
99 63.1 48.2 72.4



#11
Tert butyl alcohol
Concen: 4.678 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 59 Resp: 1928
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

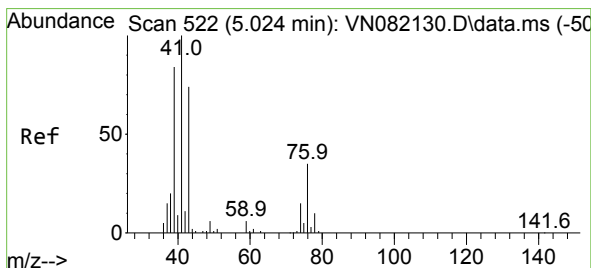
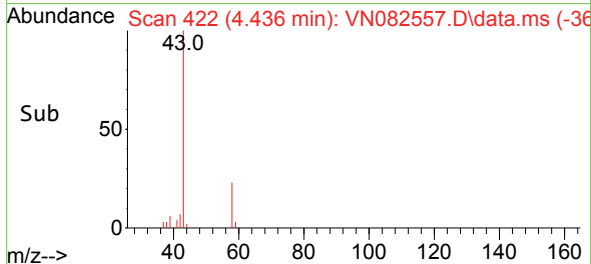
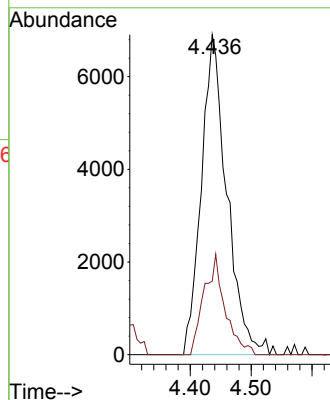
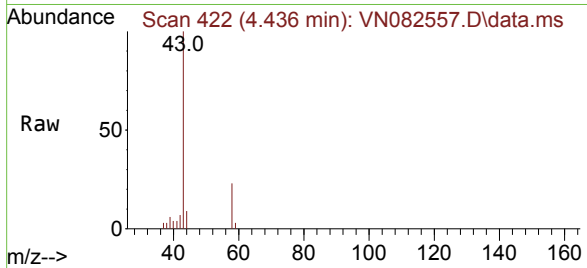




#16
Acetone
Concen: 19.143 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

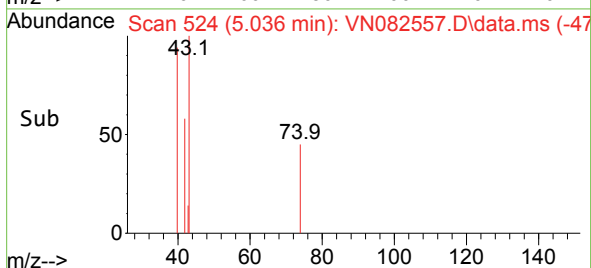
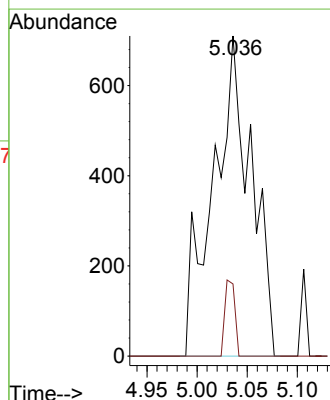
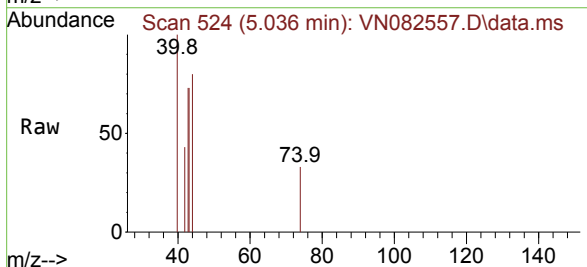
Instrument :
MSVOA_N
ClientSampleId :
5

Tgt Ion: 43 Resp: 20162
Ion Ratio Lower Upper
43 100
58 23.0 25.2 37.8#



#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
74 6.2 22.2 33.2#

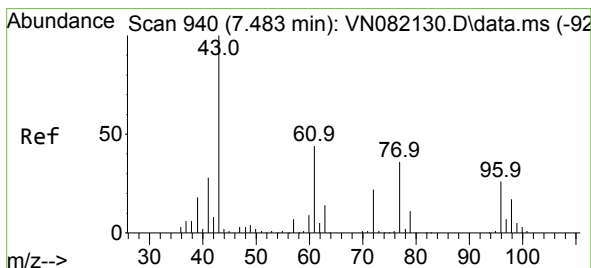
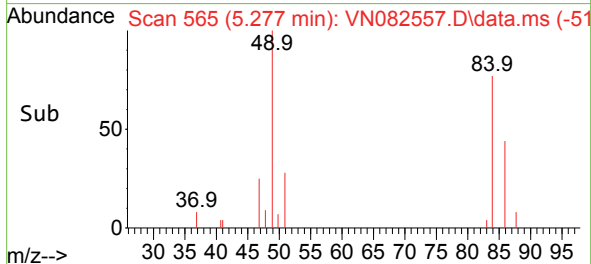
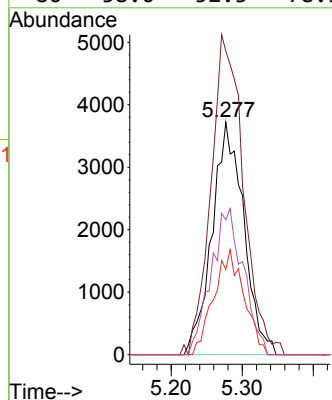
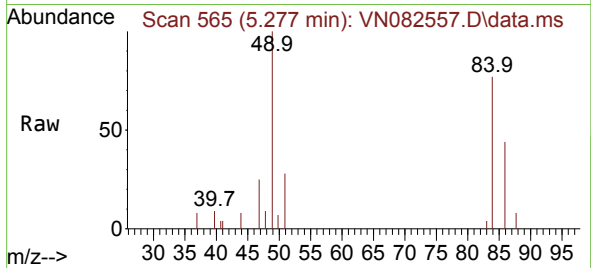




#20
Methylene Chloride
Concen: 5.422 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

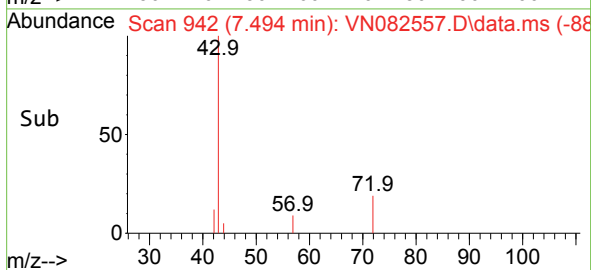
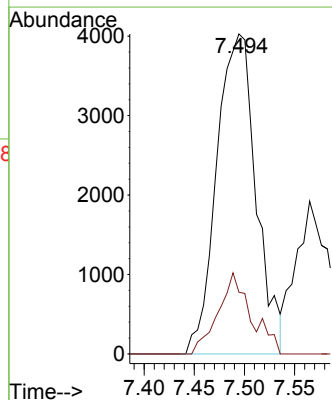
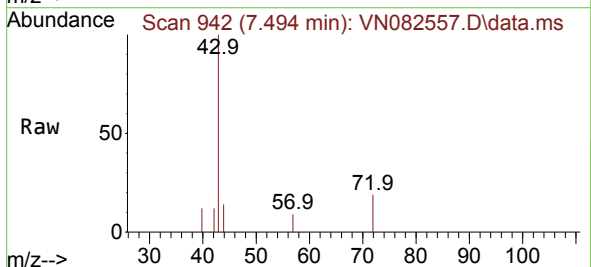
Instrument :
MSVOA_N
ClientSampleId :
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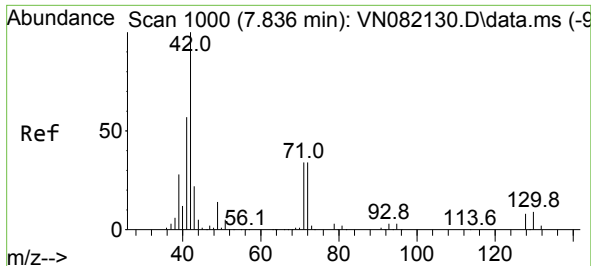
Tgt Ion: 84	Resp: 11521
Ion Ratio	Lower Upper
84 100	
49 130.6	84.9 127.3#
51 36.6	27.0 40.6
86 58.0	52.3 78.5



#25
2-Butanone
Concen: 6.897 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 43	Resp: 11014
Ion Ratio	Lower Upper
43 100	
72 19.3	25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.847 min Scan# 1000

Delta R.T. 0.011 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

5

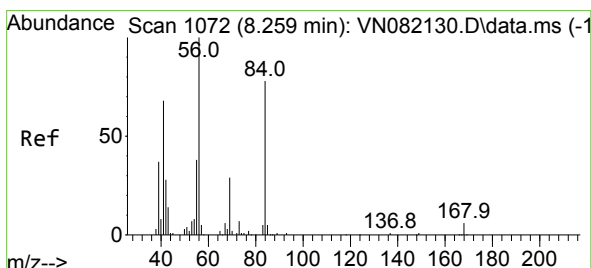
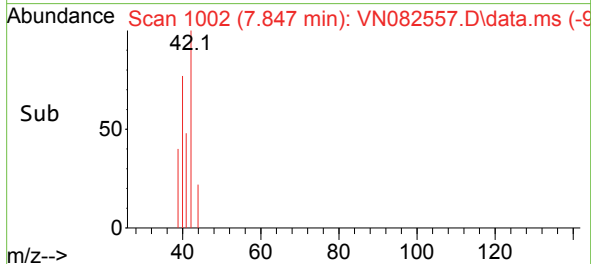
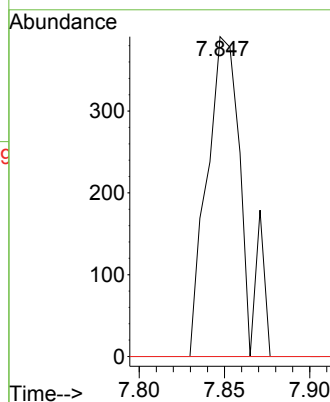
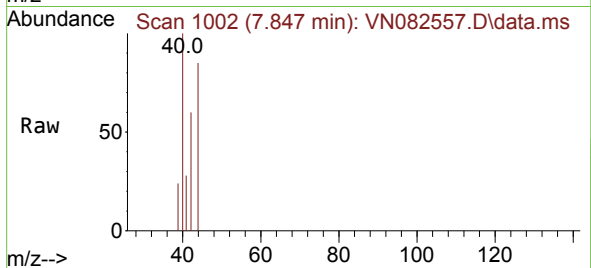
Tgt Ion: 42 Resp: 566

Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

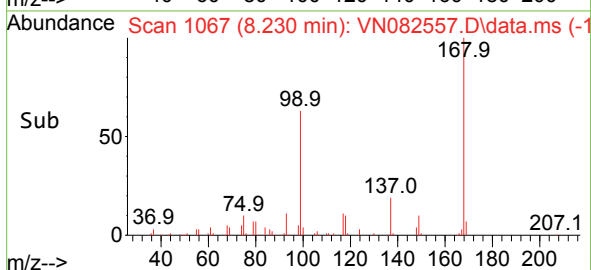
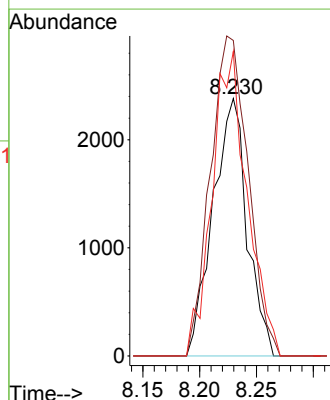
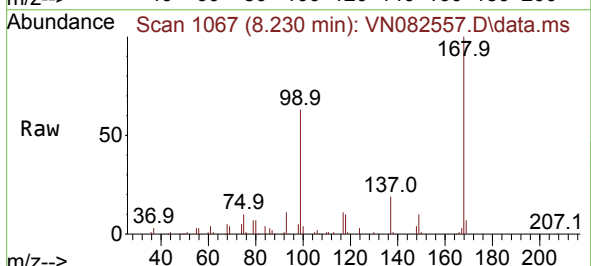
Tgt Ion: 56 Resp: 4968

Ion Ratio Lower Upper

56 100

69 122.6 24.4 36.6#

84 118.3 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 52.720 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

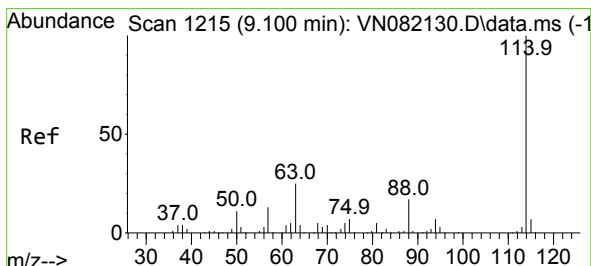
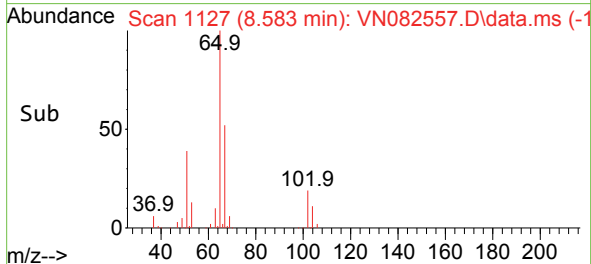
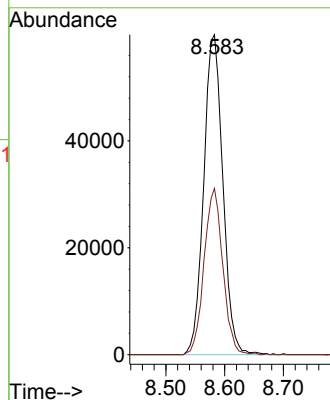
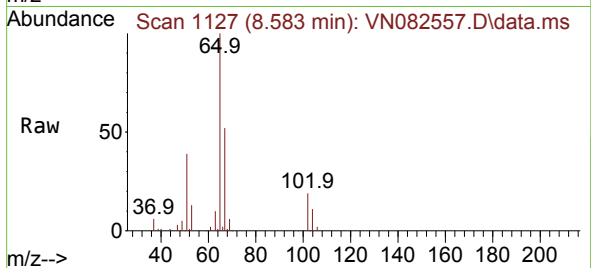
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Tgt Ion: 65 Resp: 135357

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

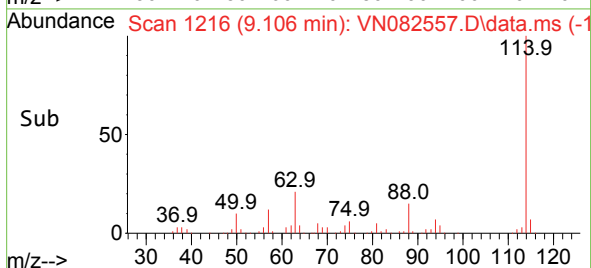
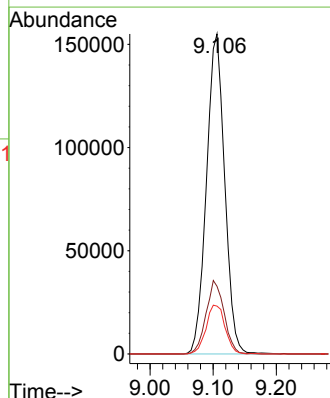
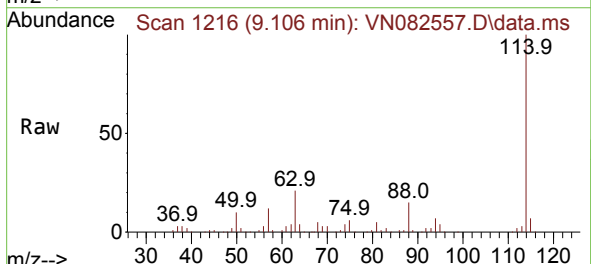
Tgt Ion: 114 Resp: 310191

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.0

88 14.9 0.0 31.4

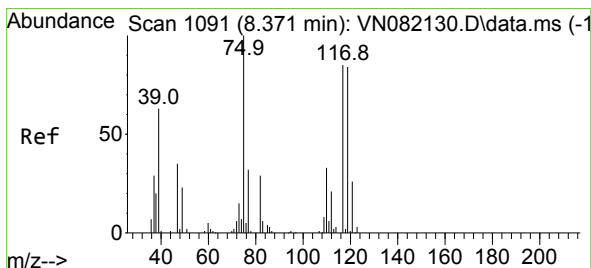
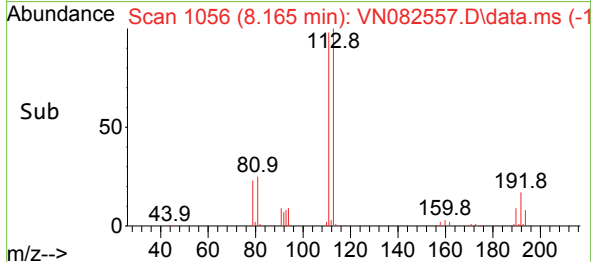
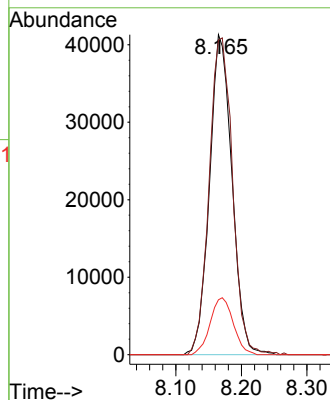
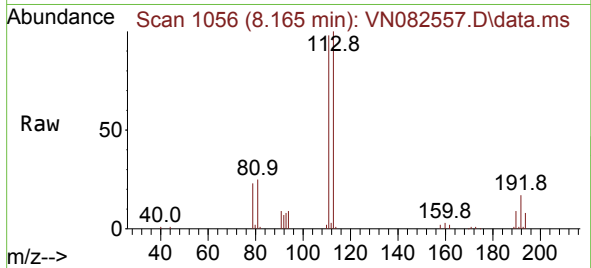




#35
Dibromofluoromethane
Concen: 51.408 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

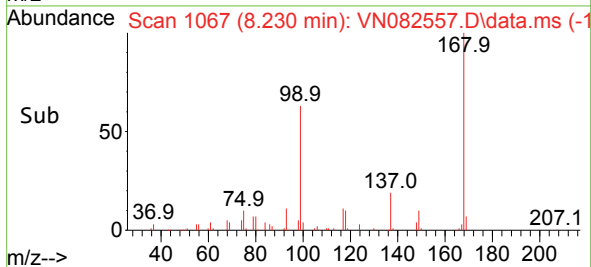
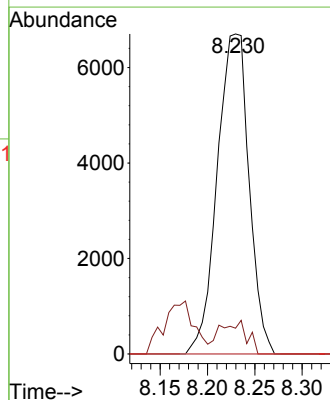
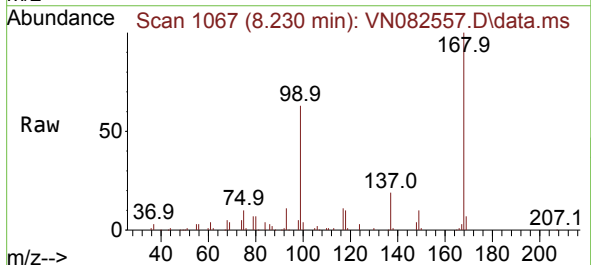
Instrument :
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5

Tgt Ion:113 Resp: 98094
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 75 Resp: 15655
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 25.0 37.4#

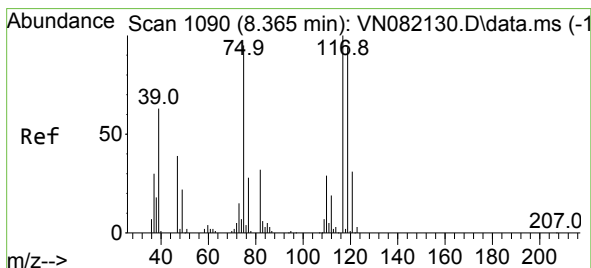
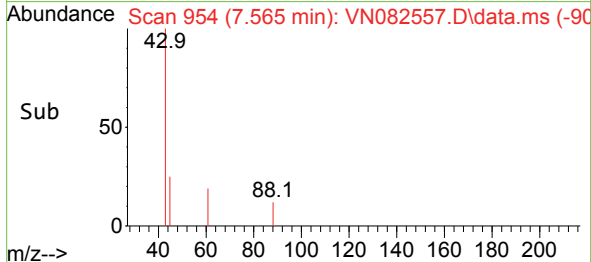
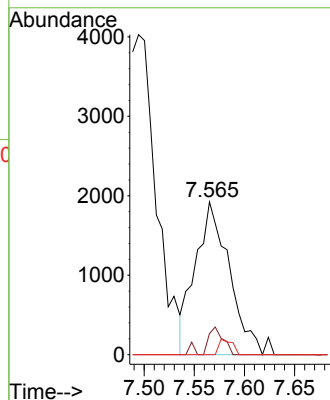
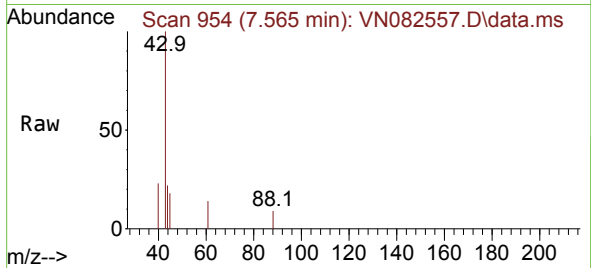




#37
Ethyl Acetate
Concen: 1.285 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

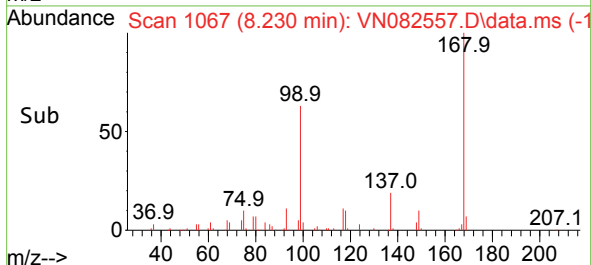
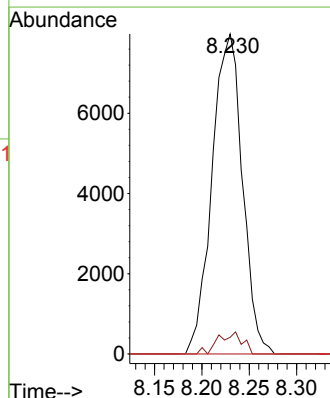
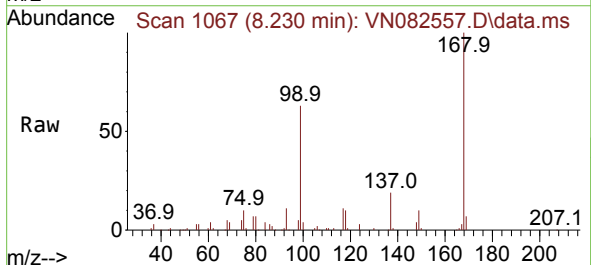
Instrument :
MSVOA_N
ClientSampleId :
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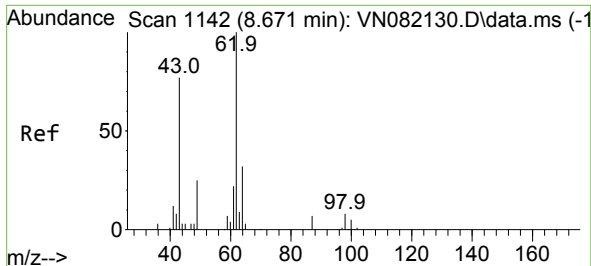
Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
61 7.6 11.3 16.9#
70 3.9 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 117 Resp: 17793
Ion Ratio Lower Upper
117 100
119 5.2 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.272 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

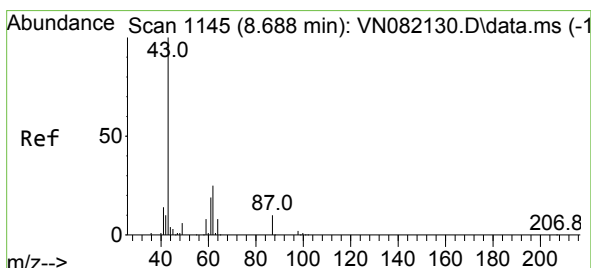
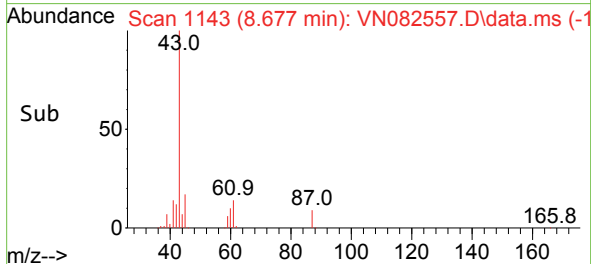
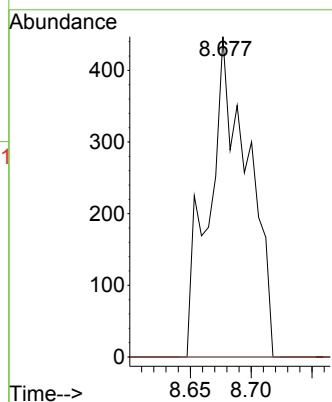
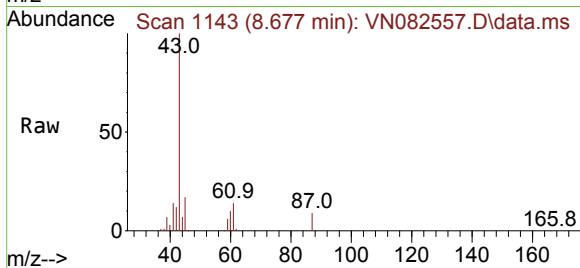
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Tgt Ion: 62 Resp: 1000

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 37.614 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

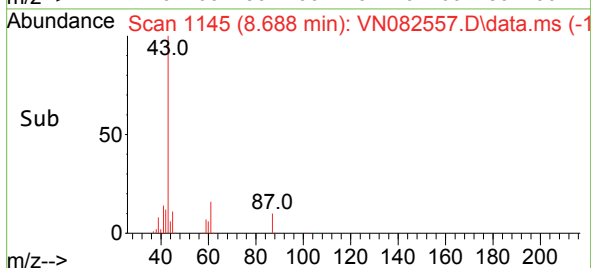
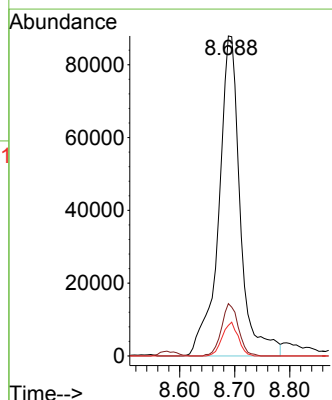
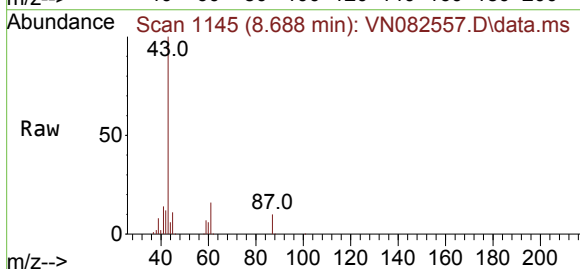
Tgt Ion: 43 Resp: 238702

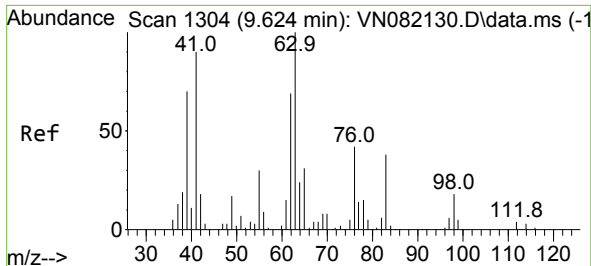
Ion Ratio Lower Upper

43 100

61 12.9 22.8 34.2#

87 7.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.731 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

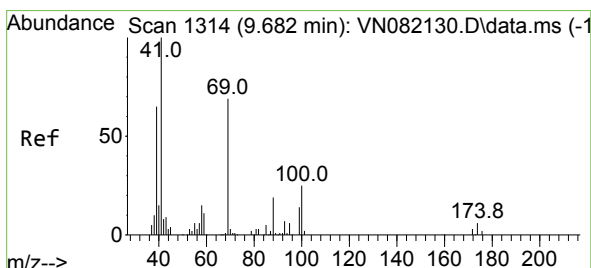
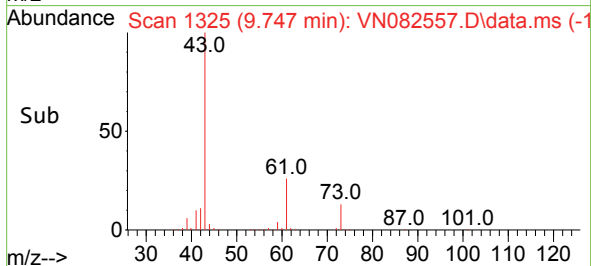
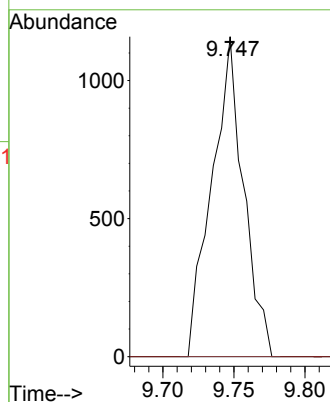
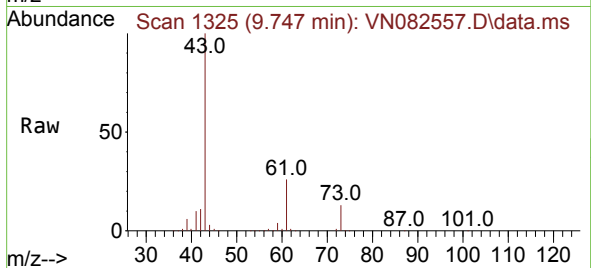
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Tgt Ion: 63 Resp: 1800

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.907 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

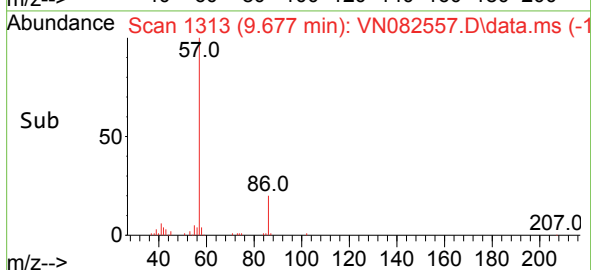
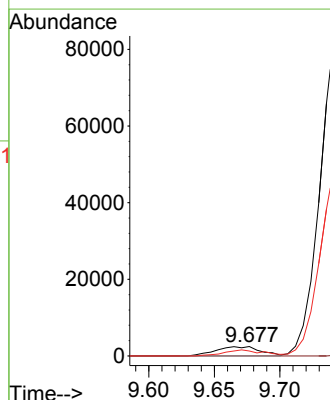
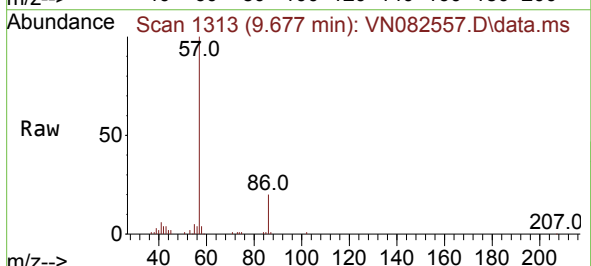
Tgt Ion: 41 Resp: 5767

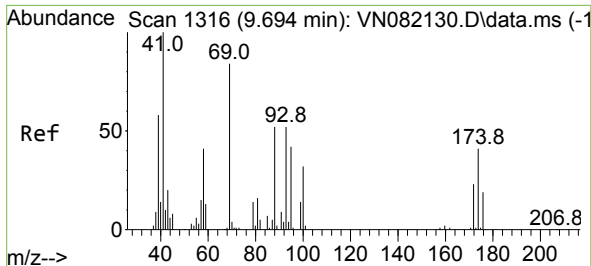
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 56.8 50.9 76.3





#49

1,4-Dioxane

Concen: 1.558 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082557.D

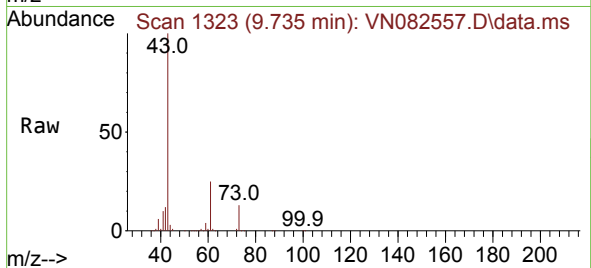
Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

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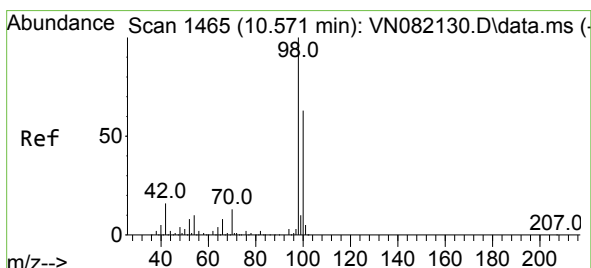
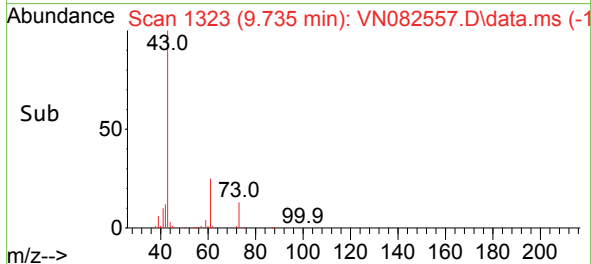
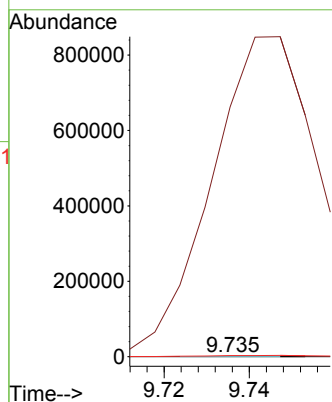
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 2342586.4 19.0 28.6#

58 10416.7 50.6 76.0#



#50

Toluene-d8

Concen: 53.033 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082557.D

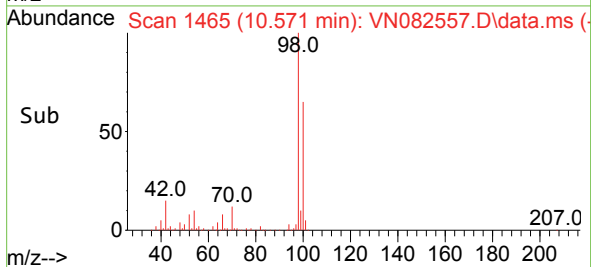
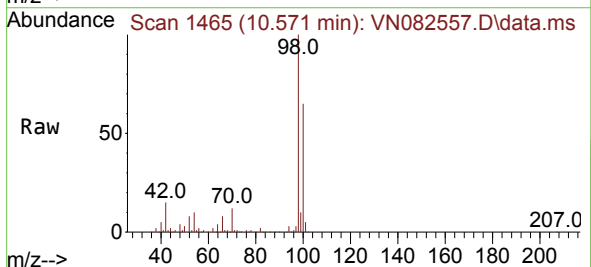
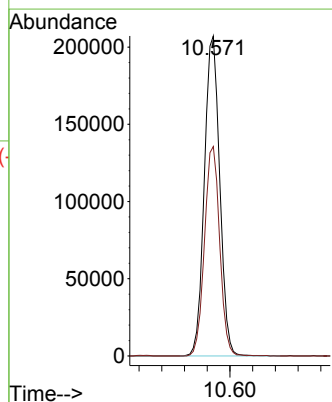
Acq: 13 Jun 2024 14:19

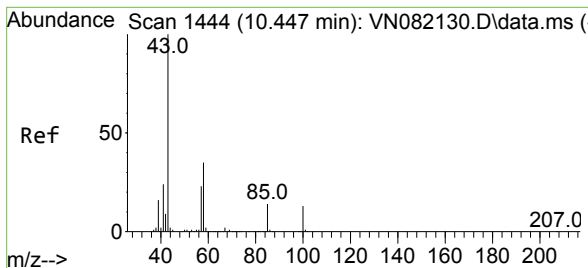
Tgt Ion: 98 Resp: 387977

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

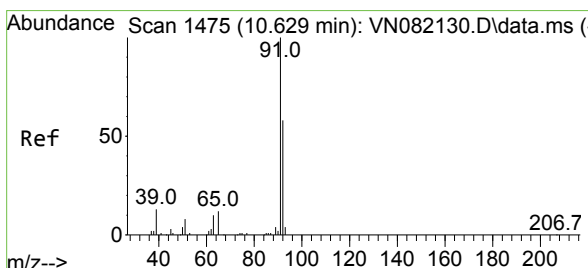
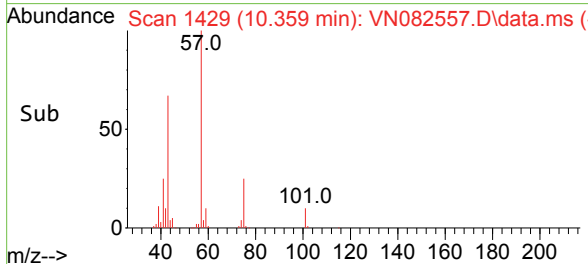
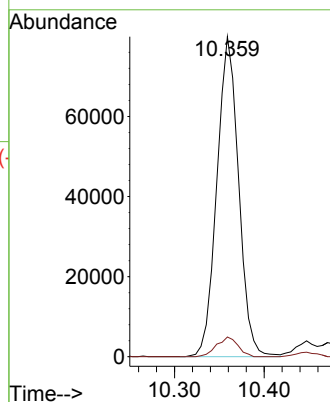
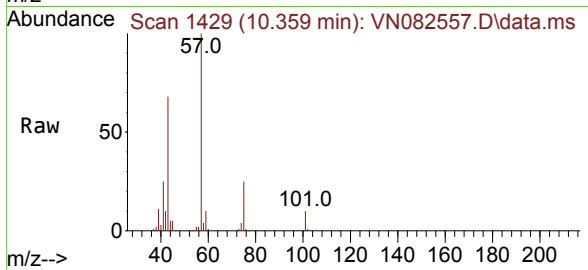




#51
4-Methyl-2-Pentanone
Concen: 37.324 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

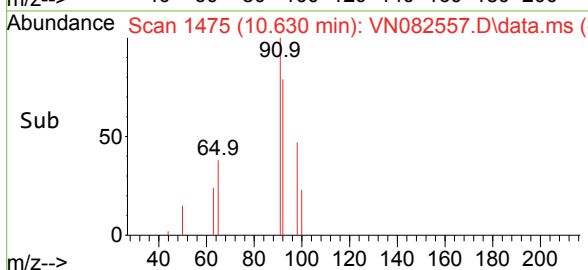
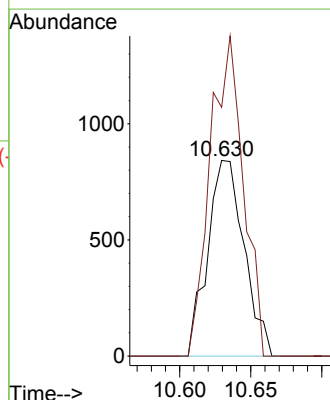
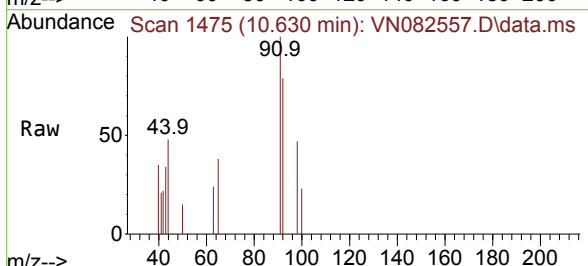
Instrument :
MSVOA_N
ClientSampleId :
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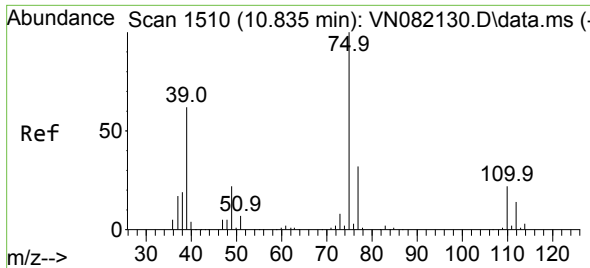
Tgt Ion: 43 Resp: 134580
Ion Ratio Lower Upper
43 100
58 6.0 33.2 49.8#



#52
Toluene
Concen: 0.263 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 92 Resp: 1505
Ion Ratio Lower Upper
92 100
91 148.8 136.7 205.1

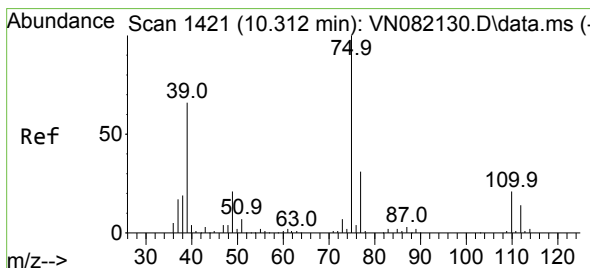
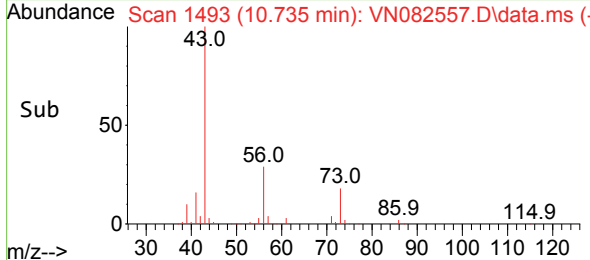
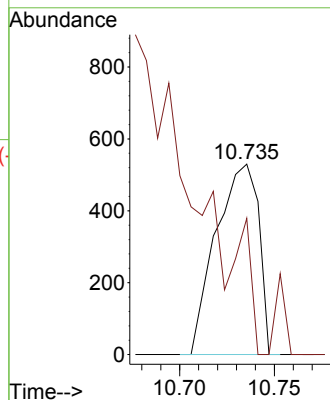
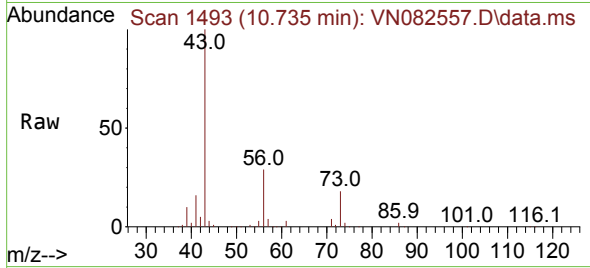




#53
t-1,3-Dichloropropene
Concen: 0.235 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

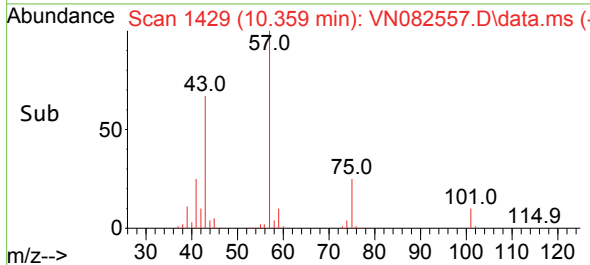
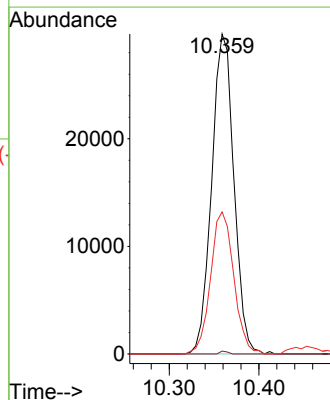
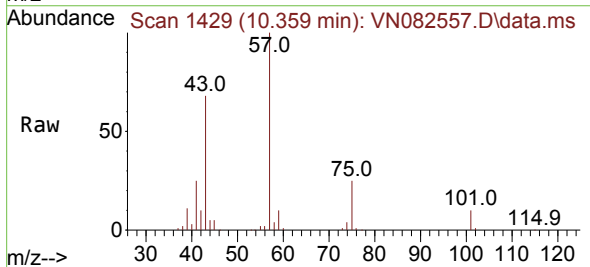
Instrument :
MSVOA_N
ClientSampleId :
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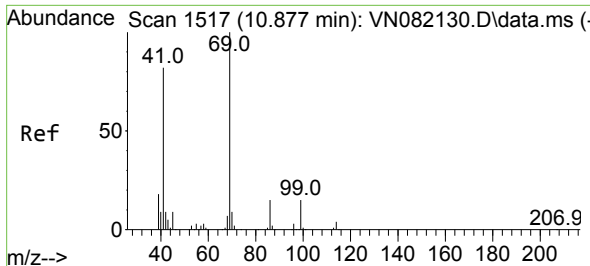
Tgt Ion: 75 Resp: 828
Ion Ratio Lower Upper
75 100
77 29.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 13.685 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 75 Resp: 51127
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 44.4 34.8 52.2

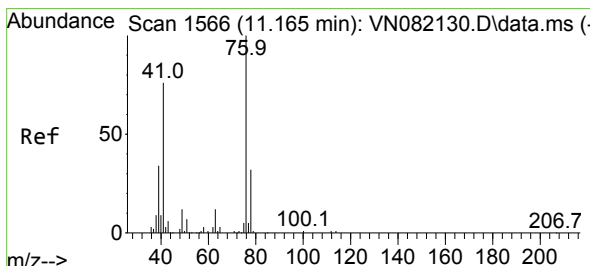
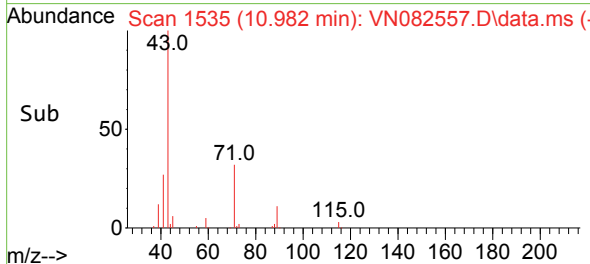
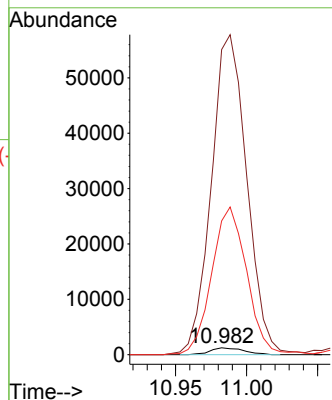
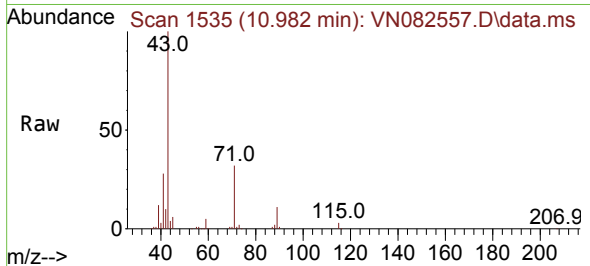




#56
Ethyl methacrylate
Concen: 0.573 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

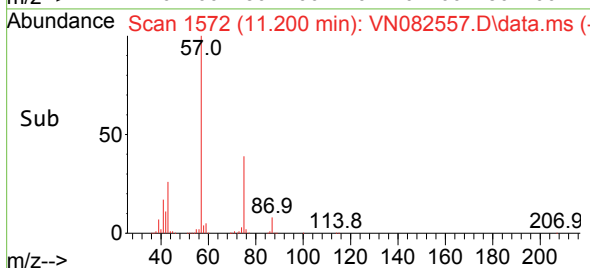
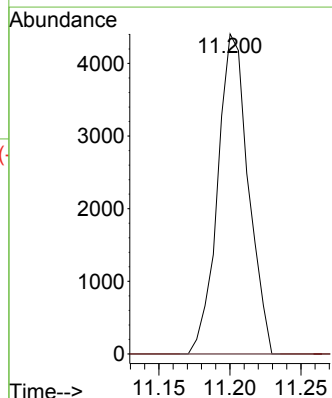
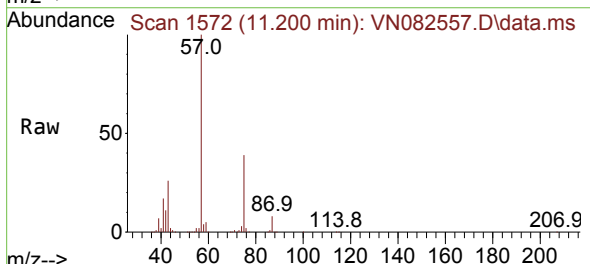
Instrument :
MSVOA_N
ClientSampleId :
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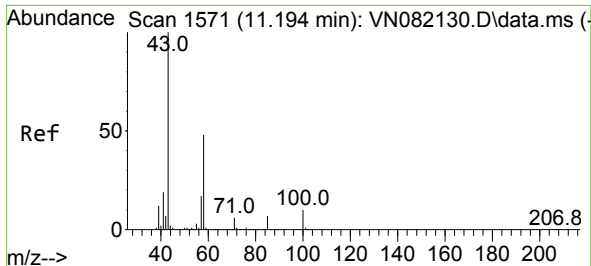
Tgt Ion: 69 Resp: 2026
Ion Ratio Lower Upper
69 100
41 4973.7 46.6 70.0#
39 2267.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.703 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 76 Resp: 6626
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

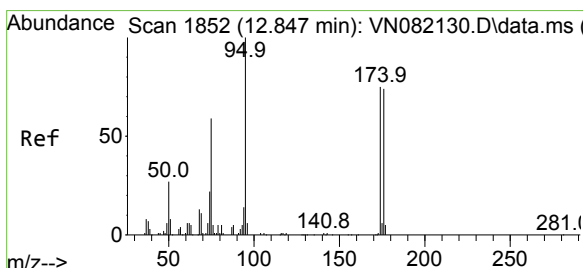
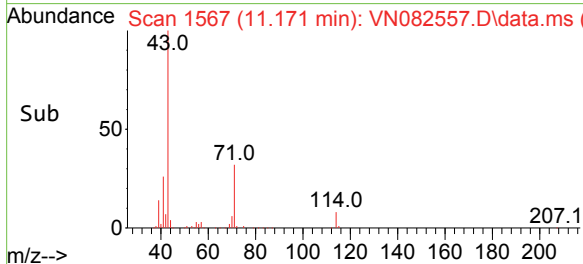
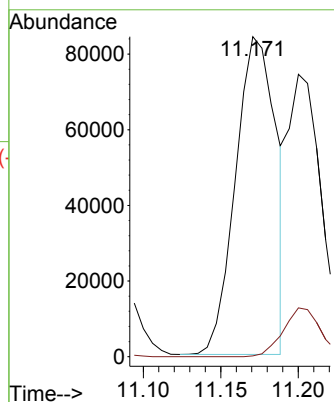
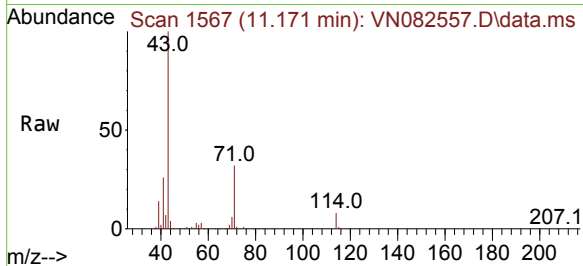




#59
2-Hexanone
Concen: 57.842 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

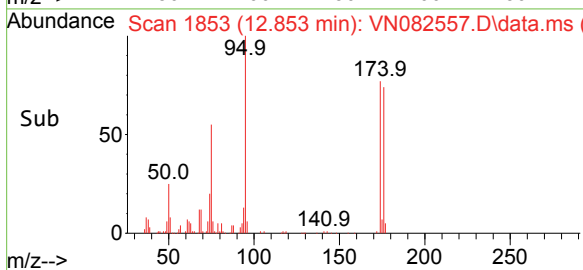
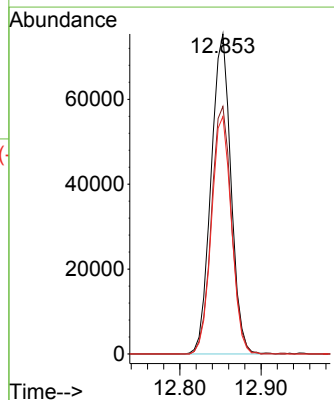
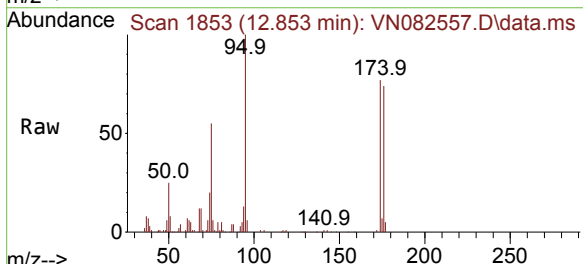
Instrument :
MSVOA_N
ClientSampleId :
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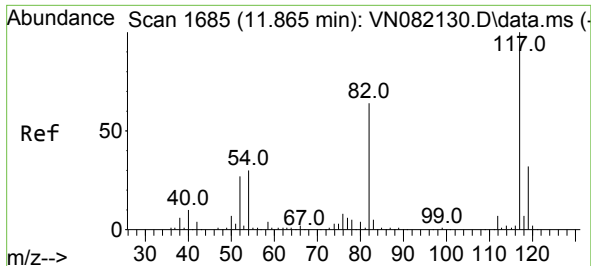
Tgt Ion: 43 Resp: 152710
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 48.990 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 95 Resp: 127919
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.6
176 74.4 0.0 152.8

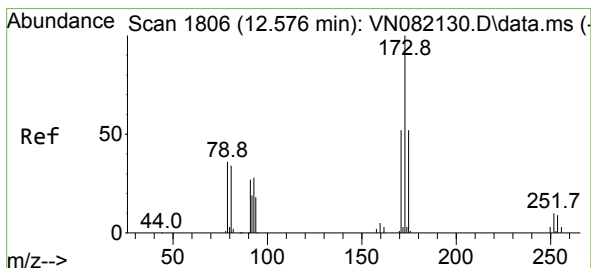
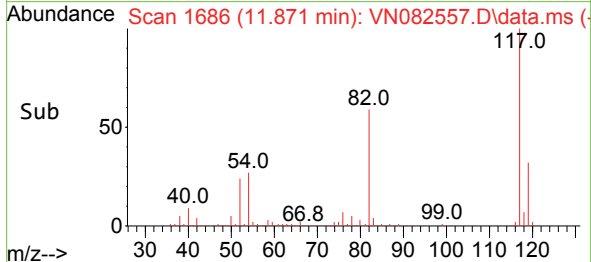
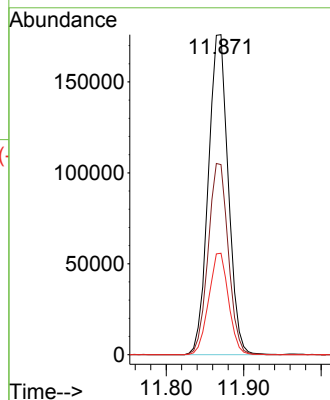
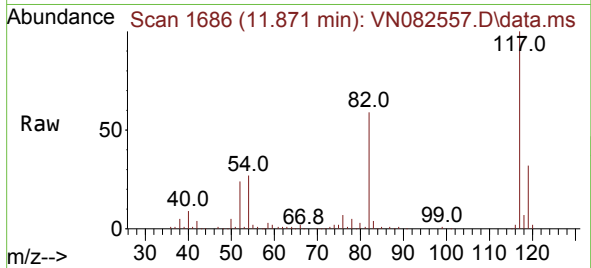




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

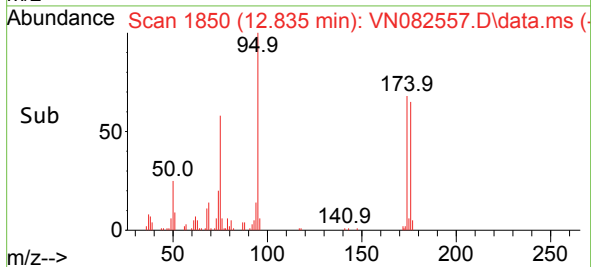
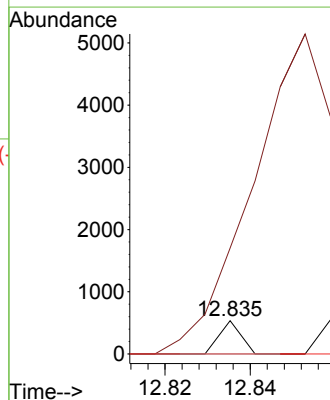
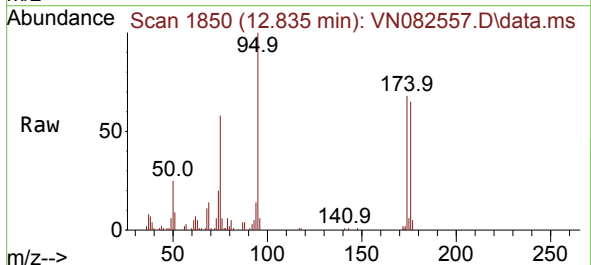
Instrument :
MSVOA_N
ClientSampleId :
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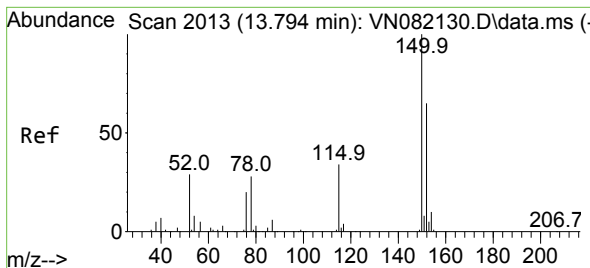
Tgt Ion:117 Resp: 314371
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 31.7 25.9 38.9



#71
Bromoform
Concen: 0.803 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion:173 Resp: 189
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# 20

Delta R.T. 0.000 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

5

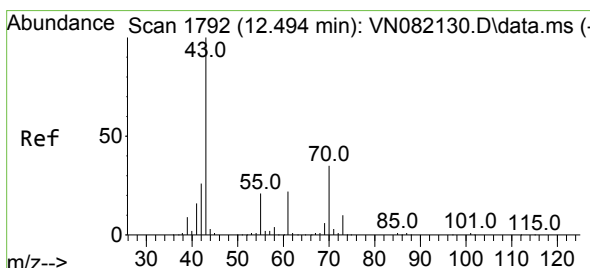
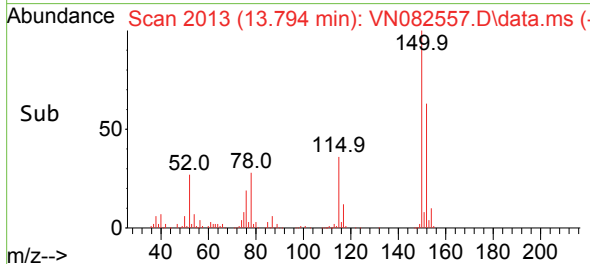
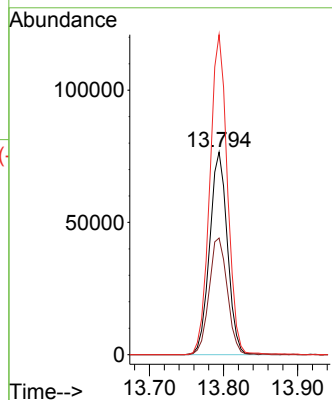
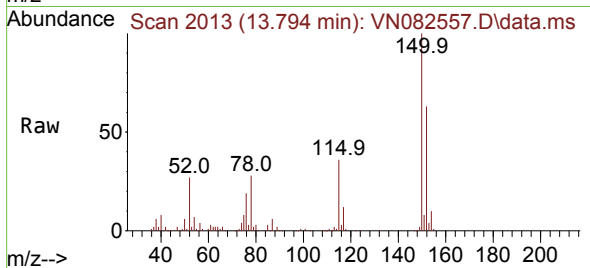
Tgt Ion:152 Resp: 127549

Ion Ratio Lower Upper

152 100

115 59.1 30.4 91.3

150 156.2 0.0 353.2



#74

N-ethyl acetate

Concen: 0.570 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN082557.D

Acq: 13 Jun 2024 14:19

Tgt Ion: 43 Resp: 3179

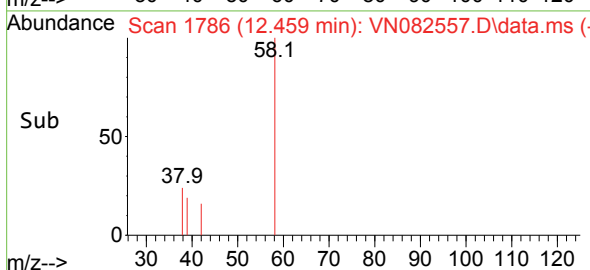
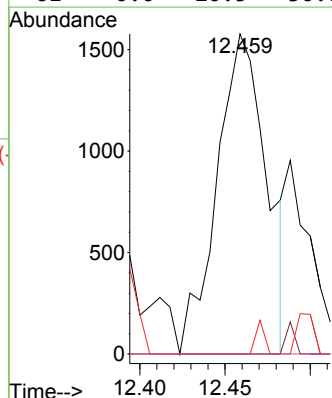
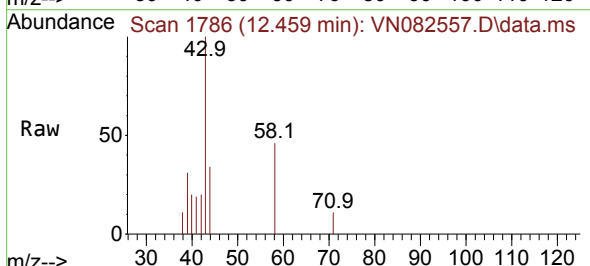
Ion Ratio Lower Upper

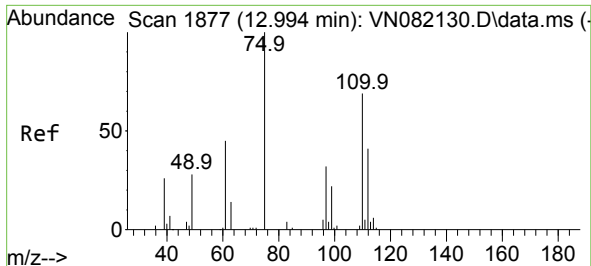
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

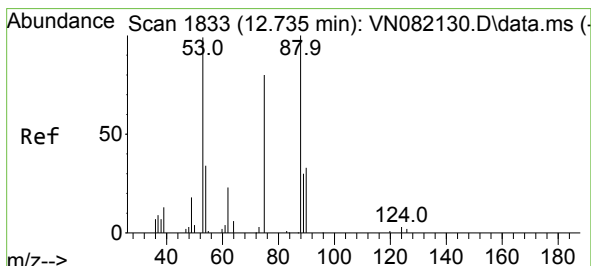
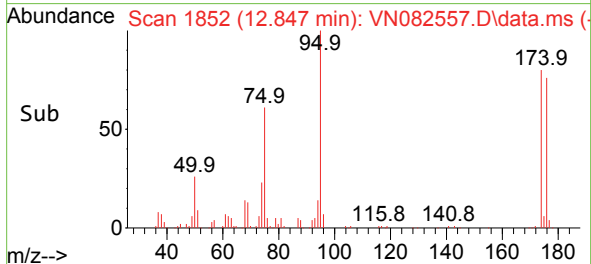
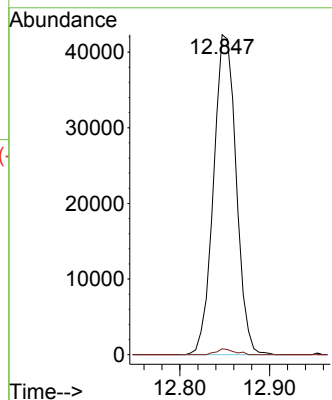
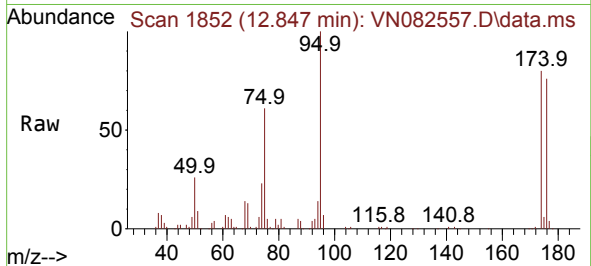




#76
1,2,3-Trichloropropane
Concen: 27.607 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Instrument :
MSVOA_N
ClientSampleId :
5

Tgt Ion: 75 Resp: 74113
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.571 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082557.D
Acq: 13 Jun 2024 14:19

Tgt Ion: 75 Resp: 74113
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.1 39.1 58.7#

