

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072624\
 Data File : VN083053.D
 Acq On : 26 Jul 2024 15:47
 Operator : JC\MD
 Sample : PB162268TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 26 23:08:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

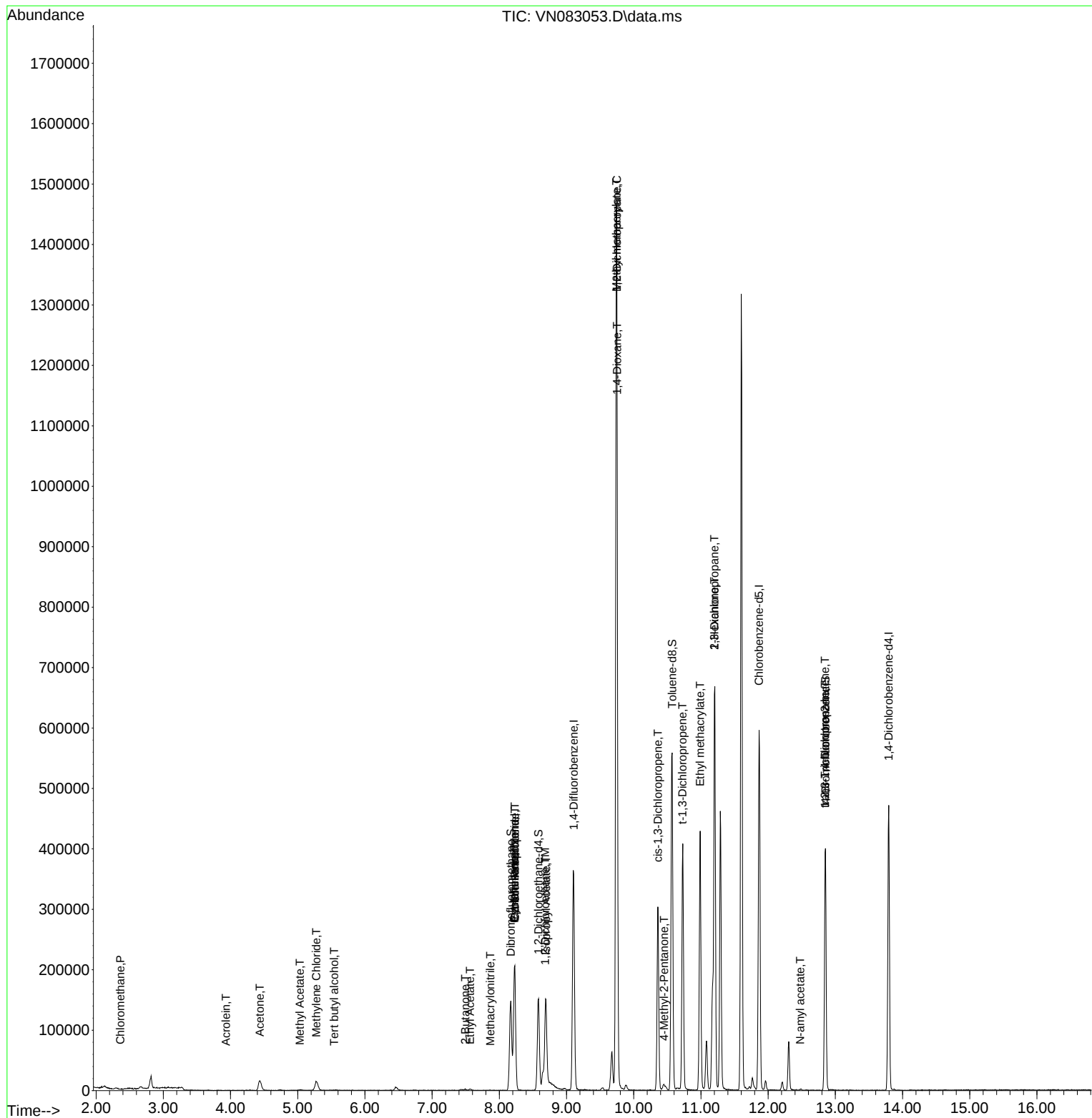
Internal Standards						
1) Pentafluorobenzene	8.224	168	143144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	304215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123330	61.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.920%			
35) Dibromofluoromethane	8.171	113	100998	51.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	10.571	98	383253	53.156	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.320%			
62) 4-Bromofluorobenzene	12.853	95	122975	47.483	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.960%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	355	0.202	ug/l #	43
11) Tert butyl alcohol	5.542	59	247	0.732	ug/l #	71
13) Acrolein	3.930	56	56	0.230	ug/l #	14
16) Acetone	4.436	43	32669	46.243	ug/l	92
18) Methyl Acetate	5.030	43	1143	0.611	ug/l #	56
20) Methylene Chloride	5.277	84	11764	6.895	ug/l #	72
25) 2-Butanone	7.494	43	3223	3.021	ug/l	95
31) Cyclohexane	8.224	56	3907	1.489	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	13978	5.194	ug/l #	50
37) Ethyl Acetate	7.565	43	3587	1.309	ug/l #	82
38) Carbon Tetrachloride	8.230	117	15973	4.929	ug/l #	18
41) Methacrylonitrile	7.865	41	306	0.207	ug/l #	36
42) 1,2-Dichloroethane	8.683	62	904	0.303	ug/l #	78
43) Isopropyl Acetate	8.694	43	192389	36.432	ug/l #	88
45) 1,2-Dichloropropane	9.747	63	1999	1.034	ug/l #	44
48) Methyl methacrylate	9.741	41	141923	66.056	ug/l #	54
49) 1,4-Dioxane	9.753	88	327	7.478	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	10871	4.002	ug/l #	76
53) t-1,3-Dichloropropene	10.724	75	870	0.271	ug/l #	21
54) cis-1,3-Dichloropropene	10.359	75	49223	14.509	ug/l #	69
56) Ethyl methacrylate	10.988	69	2804	0.948	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6942	2.062	ug/l #	43
59) 2-Hexanone	11.200	43	90508	44.814	ug/l #	58
74) N-amyl acetate	12.476	43	901	0.248	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	70921	34.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70921	66.930	ug/l #	6

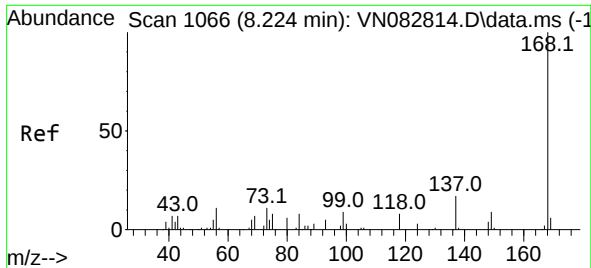
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

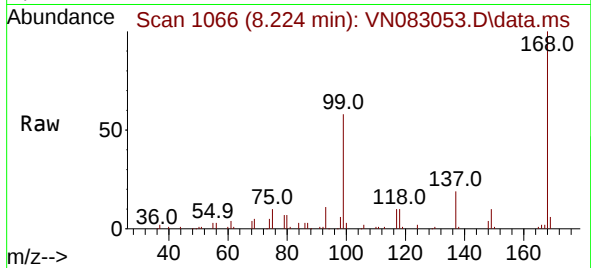
Quant Time: Jul 26 23:08:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration



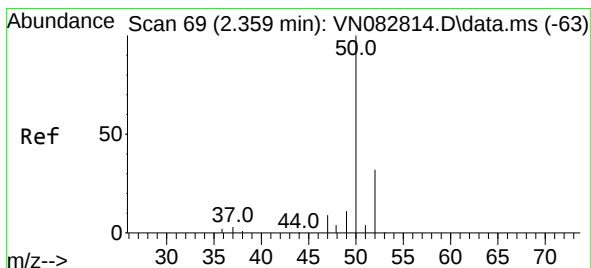
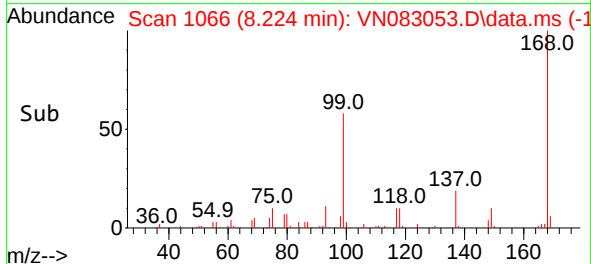
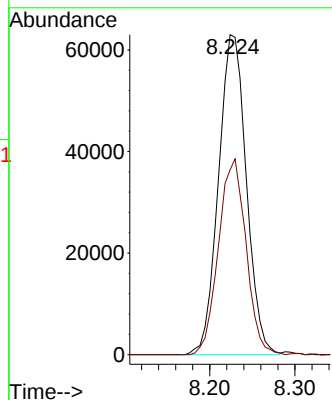


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

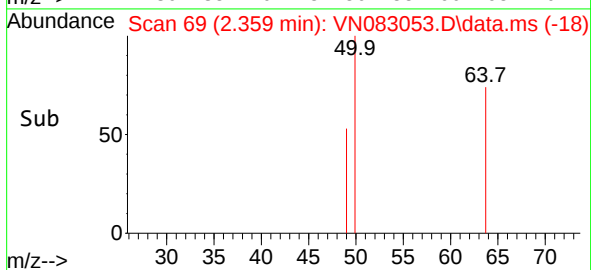
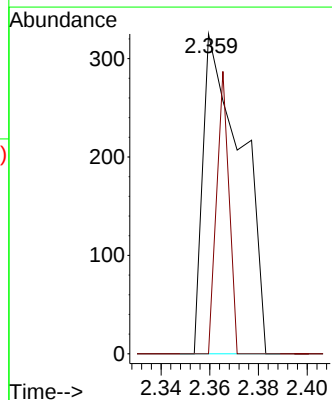
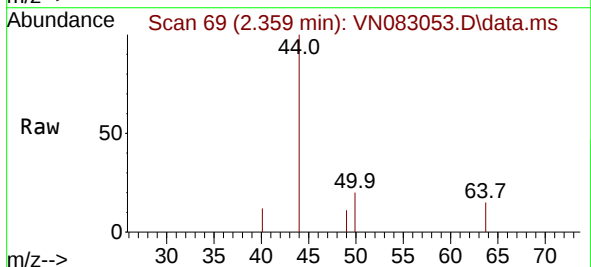


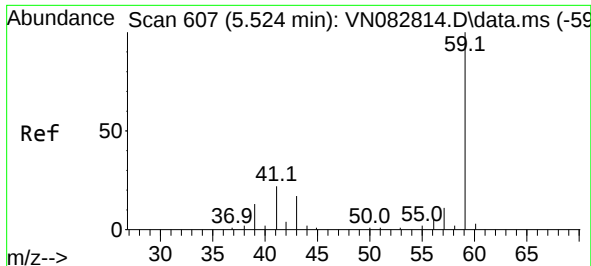
Tgt Ion:168 Resp: 143144
Ion Ratio Lower Upper
168 100
99 57.8 48.2 72.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 50 Resp: 355
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.732 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.018 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

Instrument :

MSVOA_N

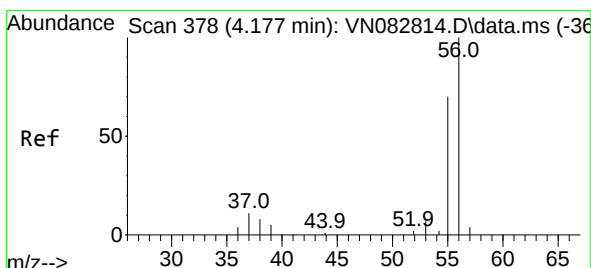
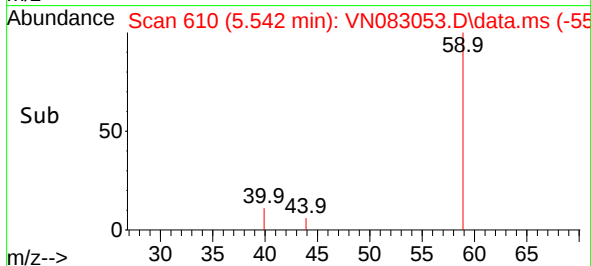
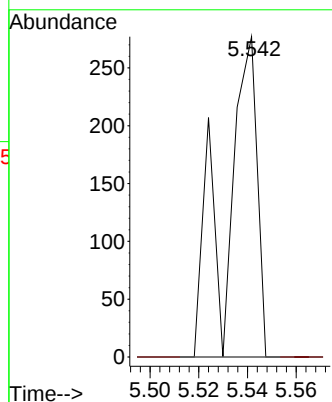
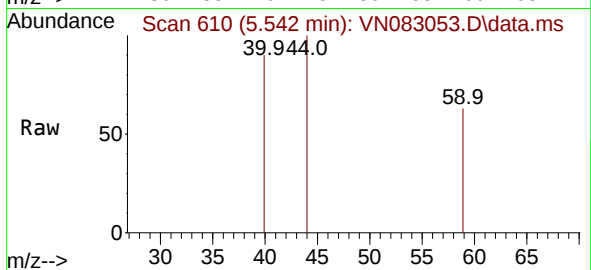
ClientSampleId :

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.230 ug/l

RT: 3.930 min Scan# 336

Delta R.T. -0.247 min

Lab File: VN083053.D

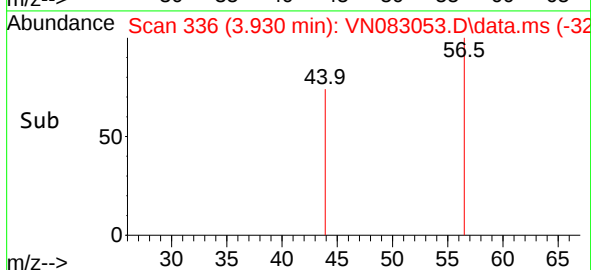
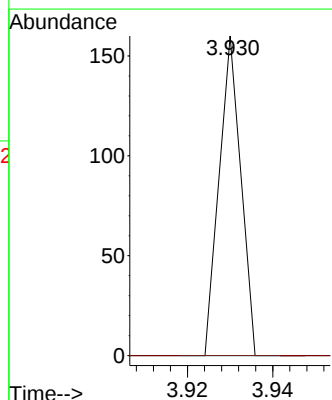
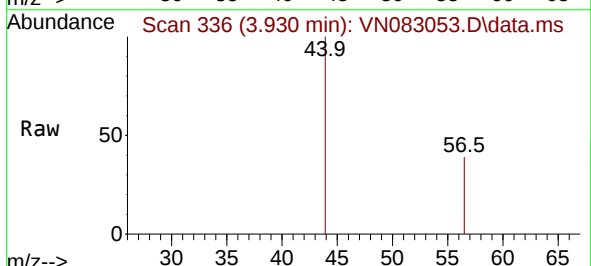
Acq: 26 Jul 2024 15:47

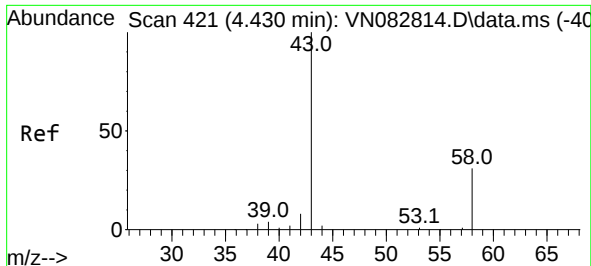
Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

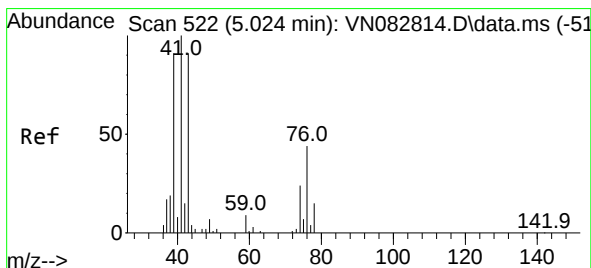
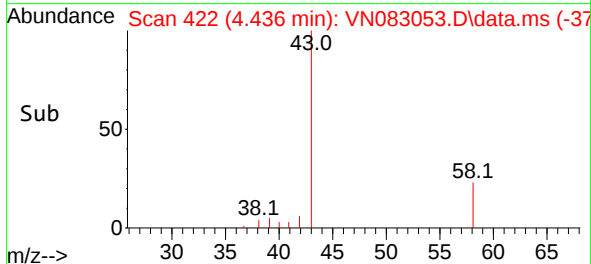
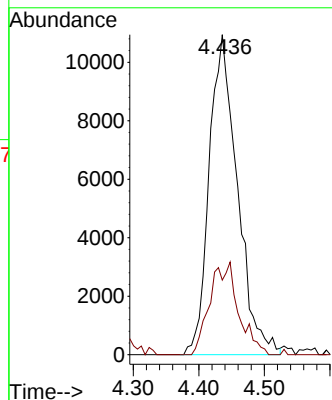
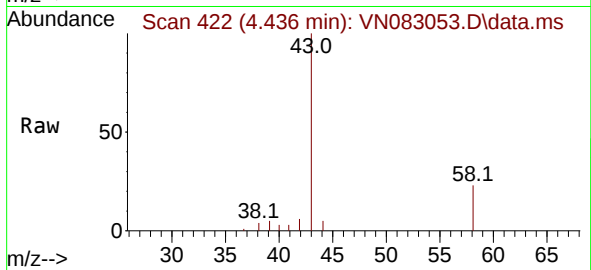




#16
Acetone
Concen: 46.243 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

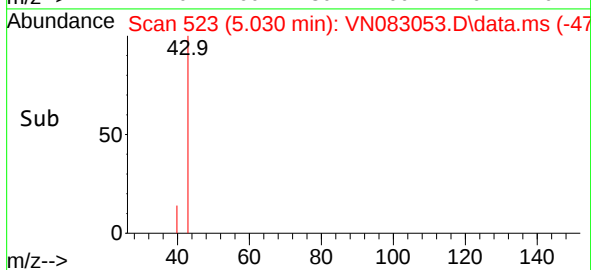
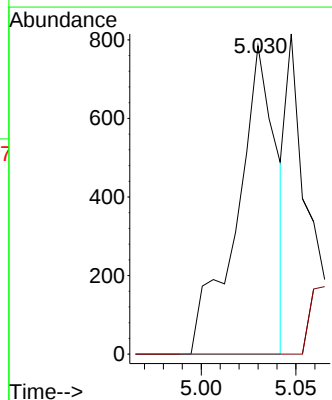
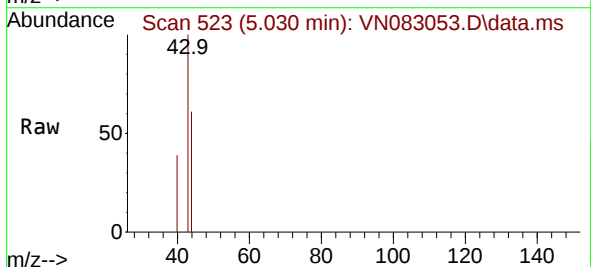
Instrument :
MSVOA_N
ClientSampleId :

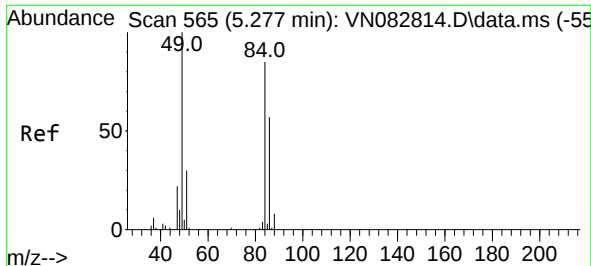
Tgt Ion: 43 Resp: 32669
Ion Ratio Lower Upper
43 100
58 23.3 21.8 32.6



#18
Methyl Acetate
Concen: 0.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

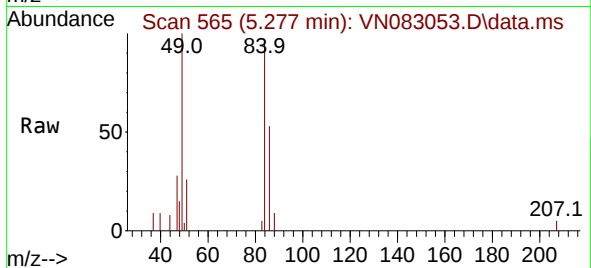
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



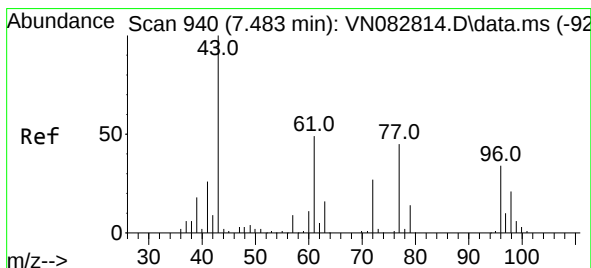
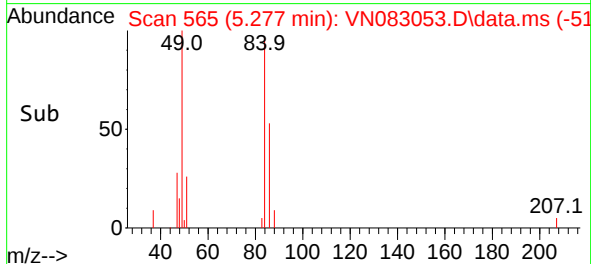
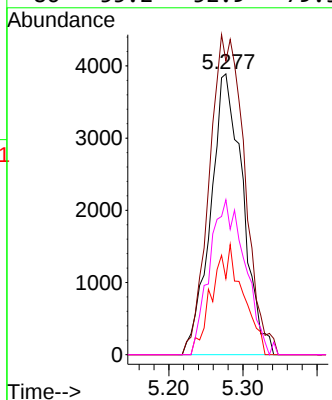


#20
Methylene Chloride
Concen: 6.895 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

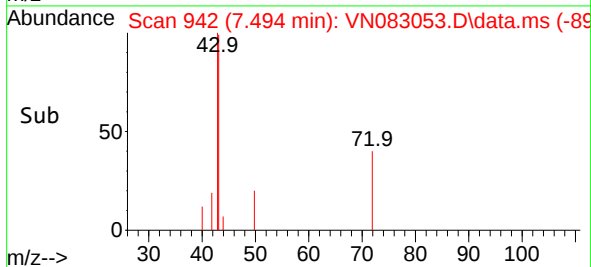
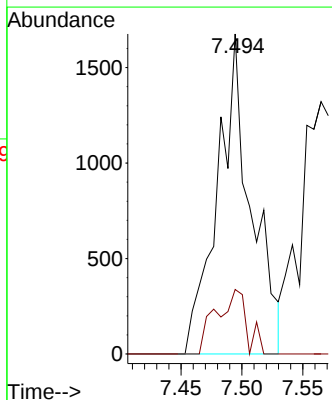
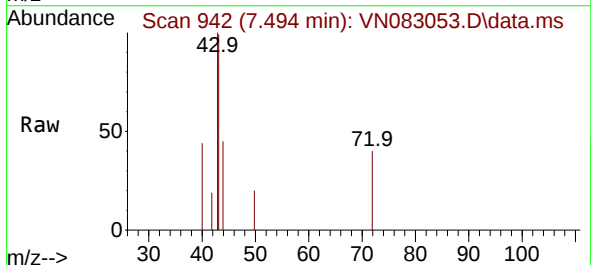


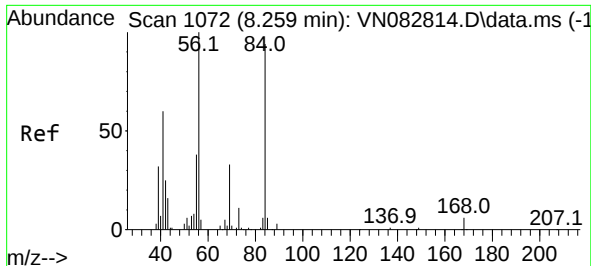
Tgt Ion:	84	Resp:	11764
Ion	Ratio	Lower	Upper
84	100		
49	104.5	119.6	179.4#
51	27.1	34.8	52.2#
86	55.2	52.9	79.3



#25
2-Butanone
Concen: 3.021 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

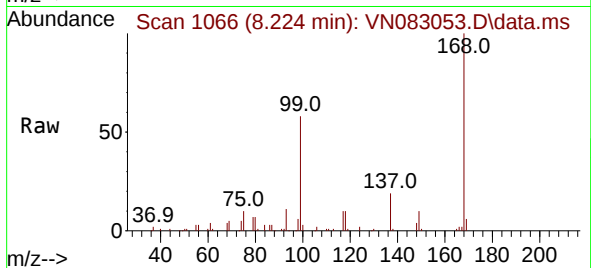
Tgt Ion:	43	Resp:	3223
Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.2	27.2



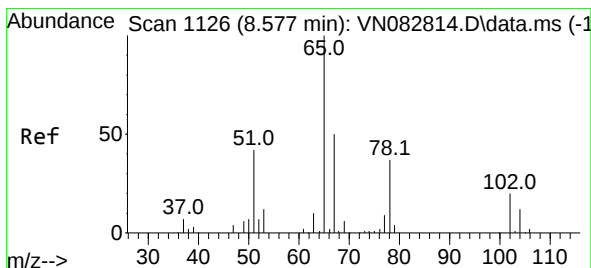
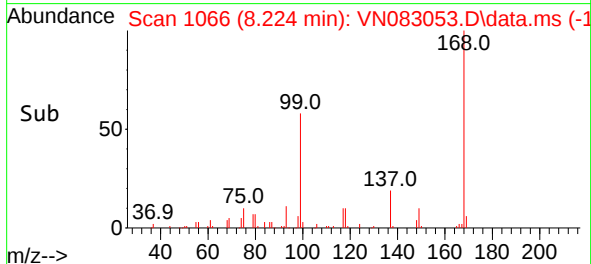
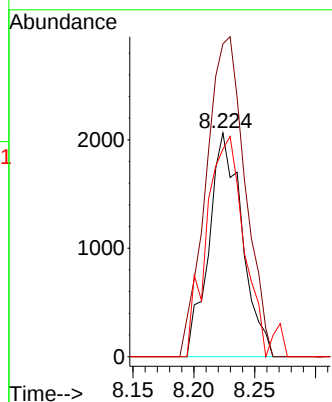


#31
Cyclohexane
Concen: 1.489 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

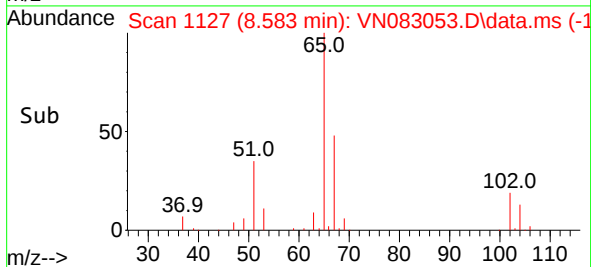
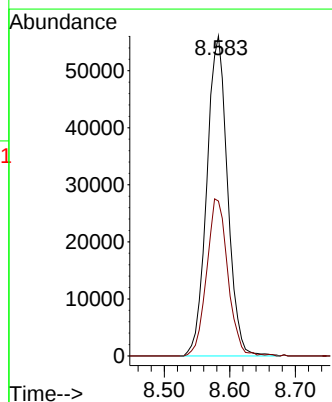
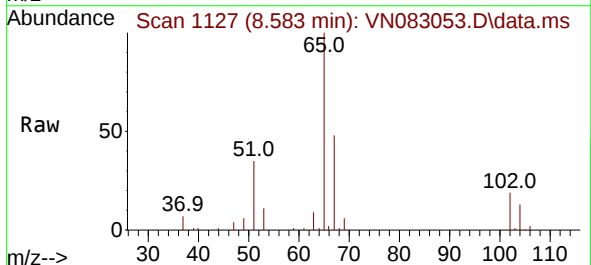


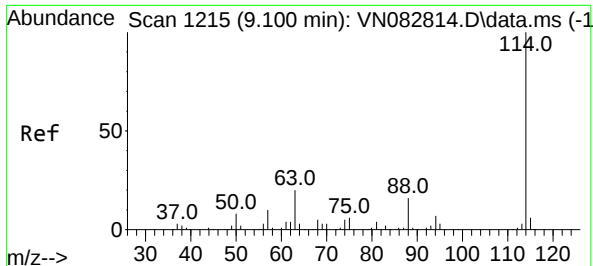
Tgt Ion: 56 Resp: 3907
Ion Ratio Lower Upper
56 100
69 139.8 24.5 36.7#
84 92.7 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 61.463 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 65 Resp: 123330
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

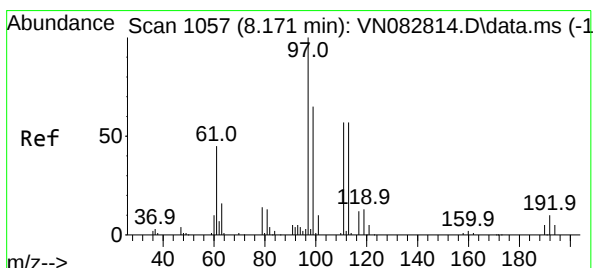
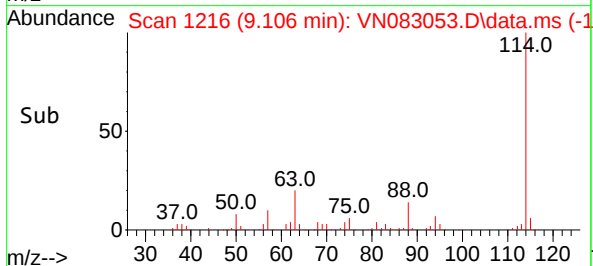
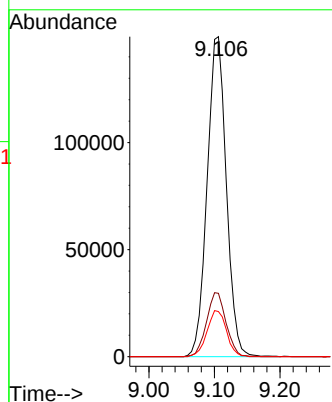
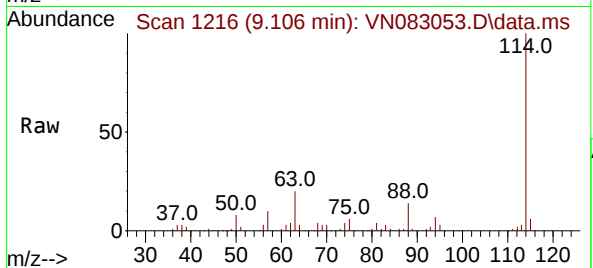
Tgt Ion:114 Resp: 304215

Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.6

88 14.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.739 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

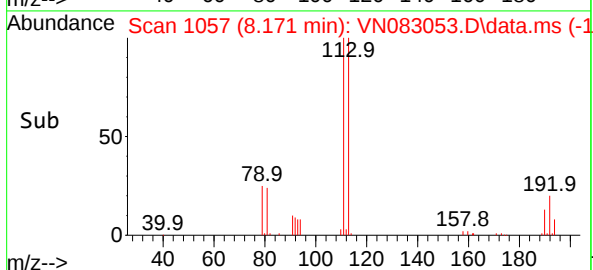
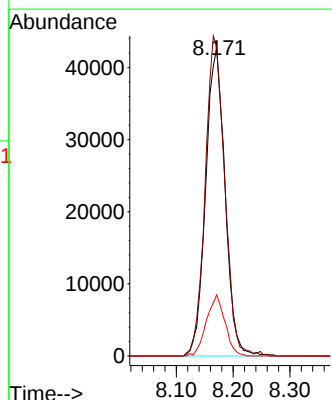
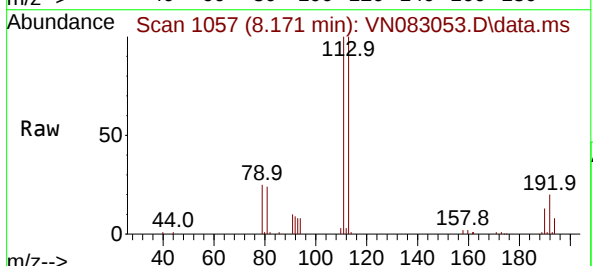
Tgt Ion:113 Resp: 100998

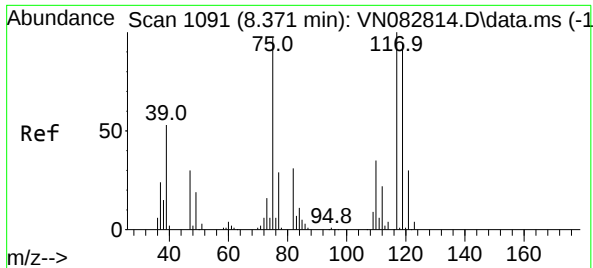
Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

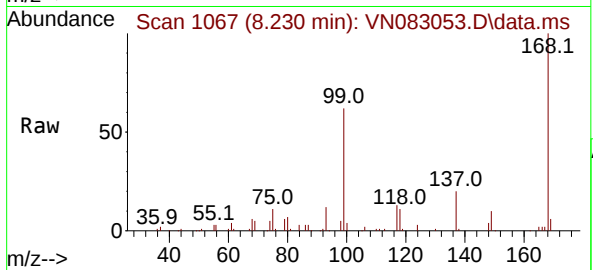
192 18.9 14.9 22.3



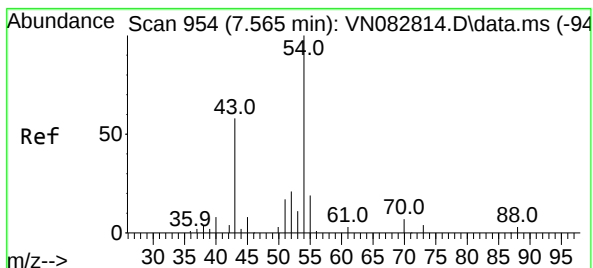
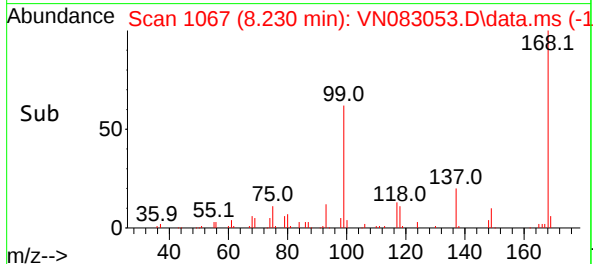
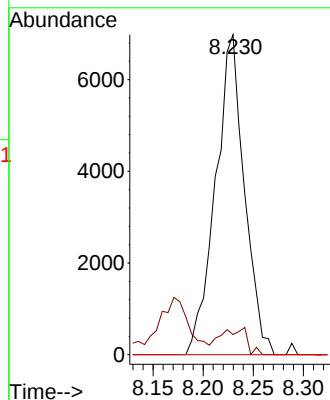


#36
1,1-Dichloropropene
Concen: 5.194 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

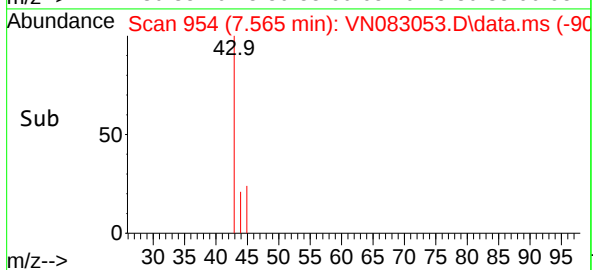
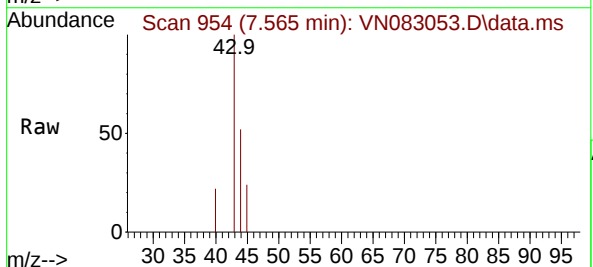
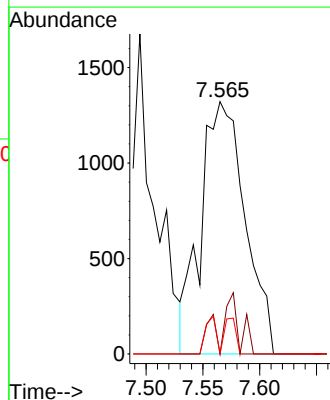


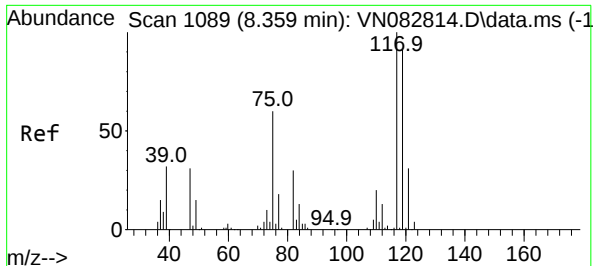
Tgt Ion: 75 Resp: 13978
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.309 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

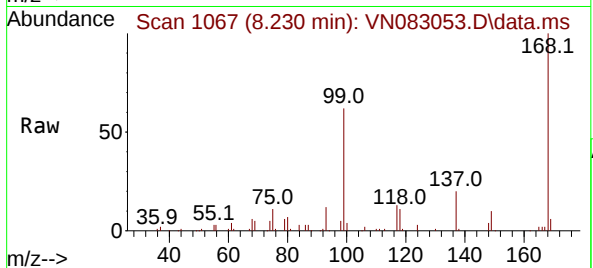
Tgt Ion: 43 Resp: 3587
Ion Ratio Lower Upper
43 100
61 3.5 9.3 13.9#
70 3.5 7.0 10.6#



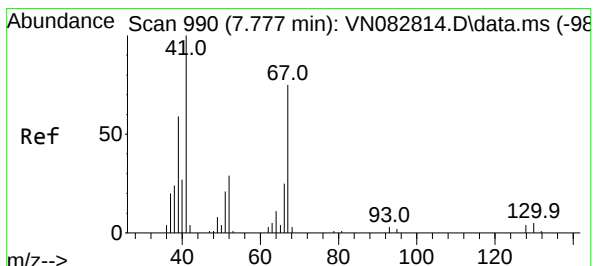
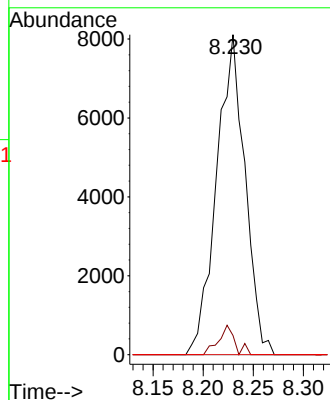
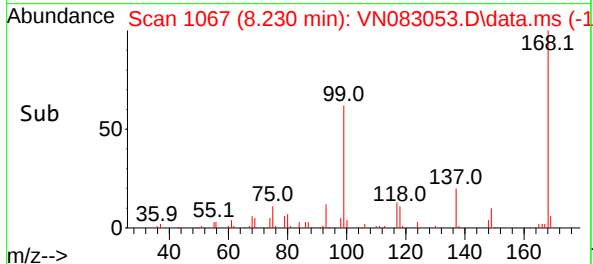


#38
Carbon Tetrachloride
Concen: 4.929 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

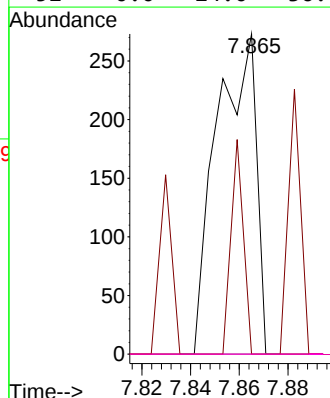
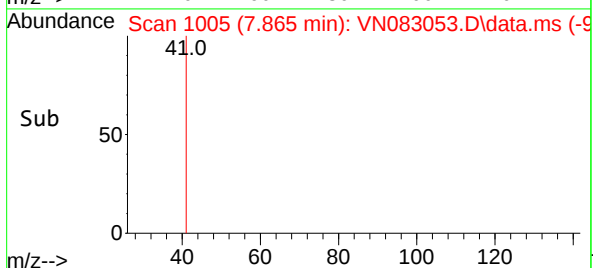
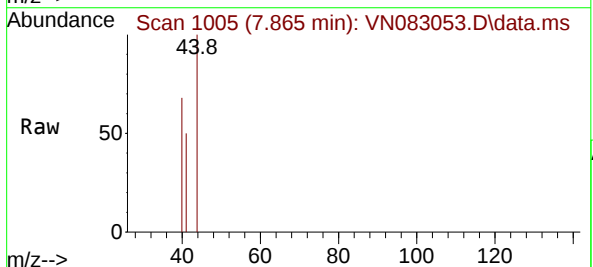


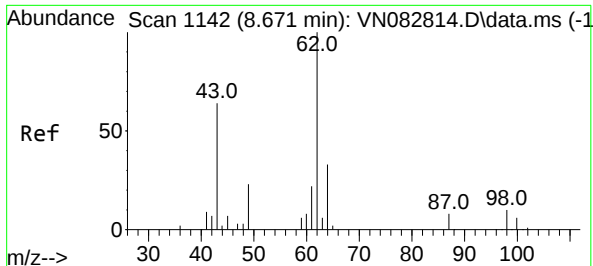
Tgt Ion:117 Resp: 15973
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.083 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 41 Resp: 306
Ion Ratio Lower Upper
41 100
39 21.2 45.5 68.3#
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

Instrument :

MSVOA_N

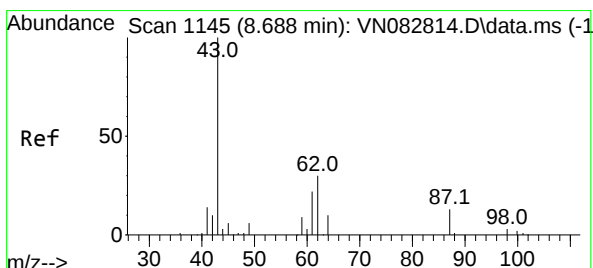
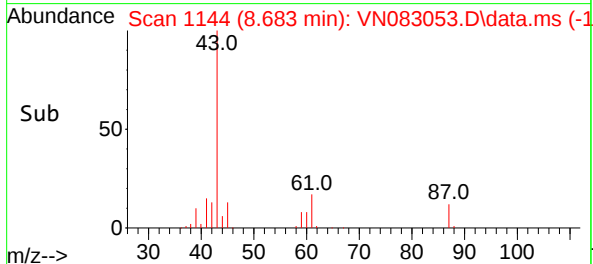
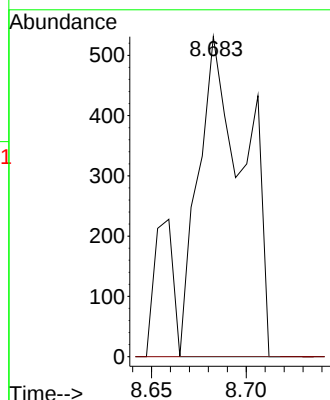
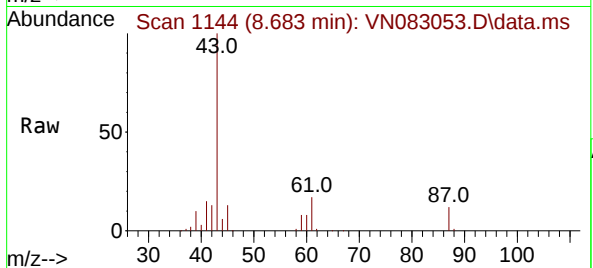
ClientSampleId :

Tgt Ion: 62 Resp: 904

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 36.432 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

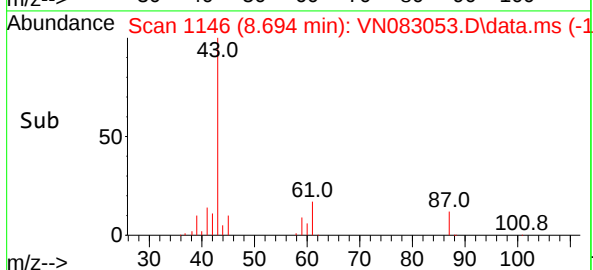
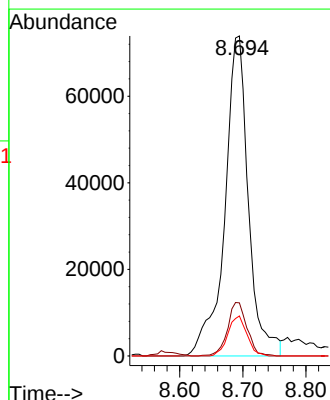
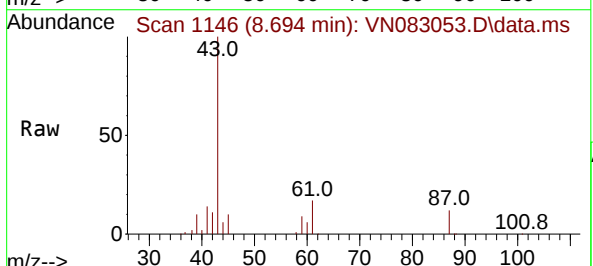
Tgt Ion: 43 Resp: 192389

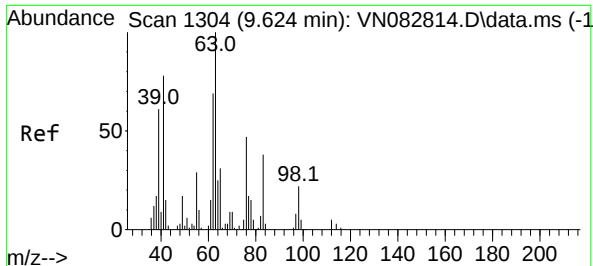
Ion Ratio Lower Upper

43 100

61 13.8 17.8 26.6#

87 10.0 8.2 12.2

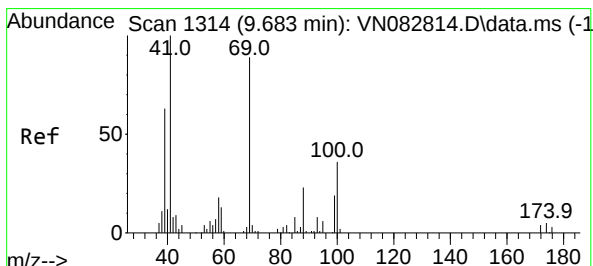
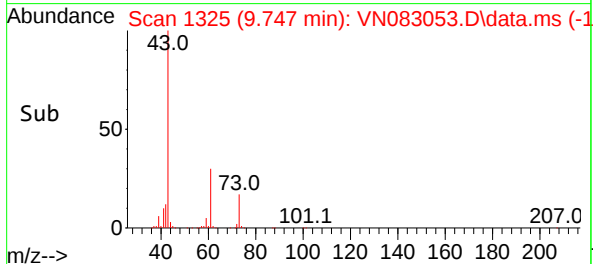
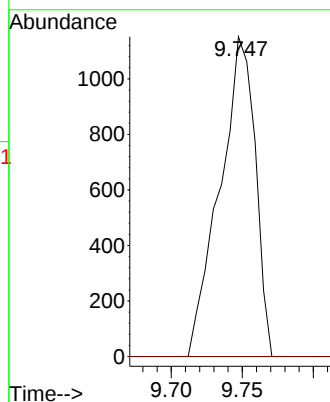
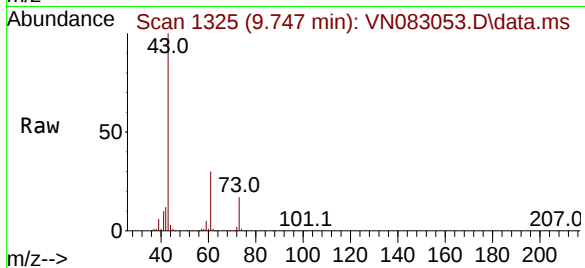




#45
1,2-Dichloropropane
Concen: 1.034 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

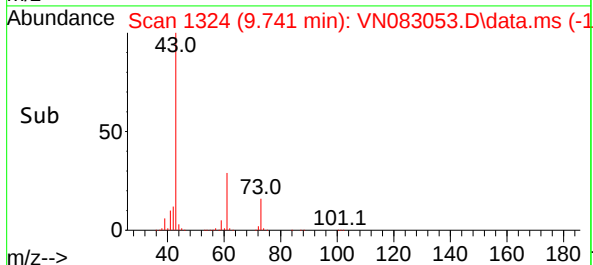
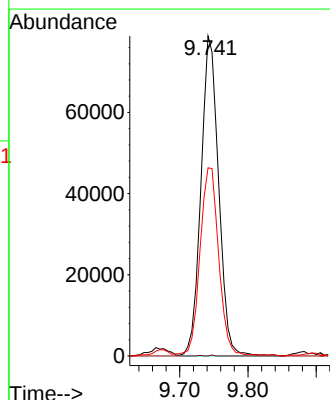
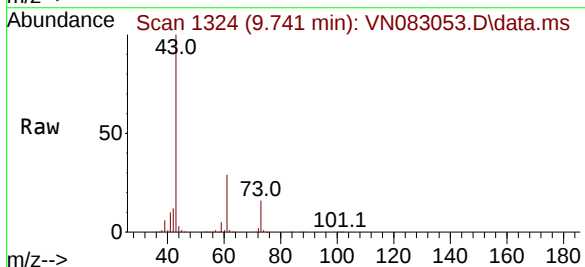
Instrument :
MSVOA_N
ClientSampleId :

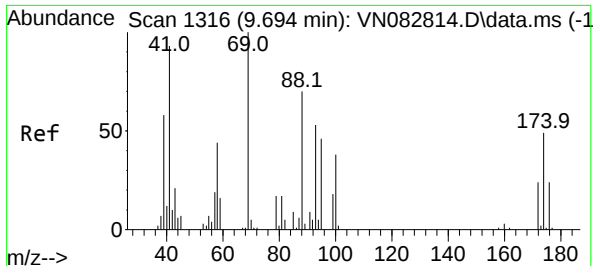
Tgt Ion: 63 Resp: 1999
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 66.056 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 41 Resp: 141923
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 61.7 50.3 75.5

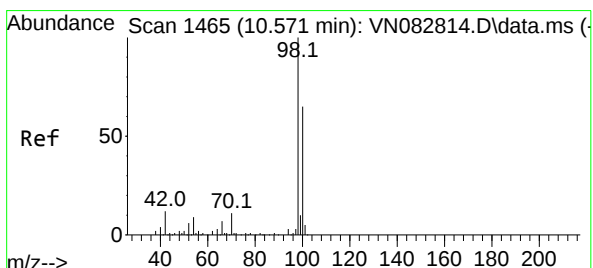
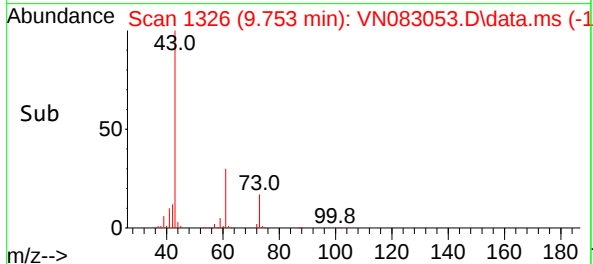
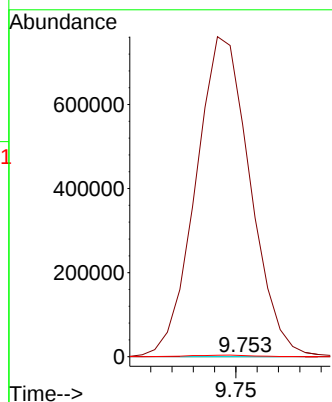
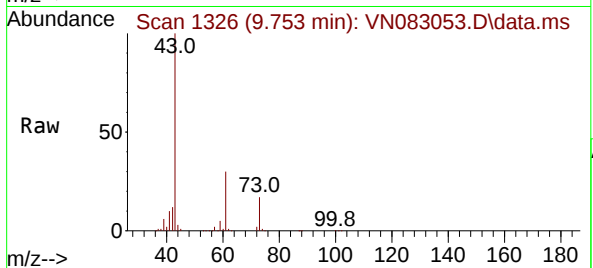




#49
1,4-Dioxane
Concen: 7.478 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

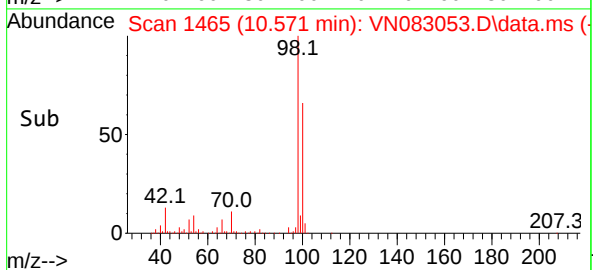
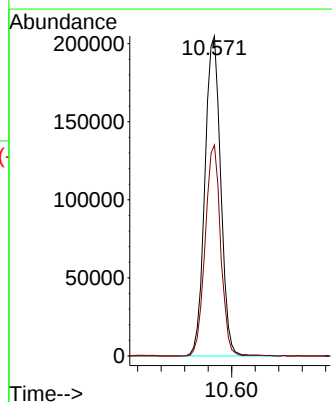
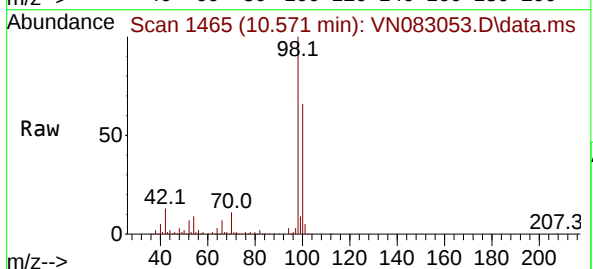
Instrument :
MSVOA_N
ClientSampleId :

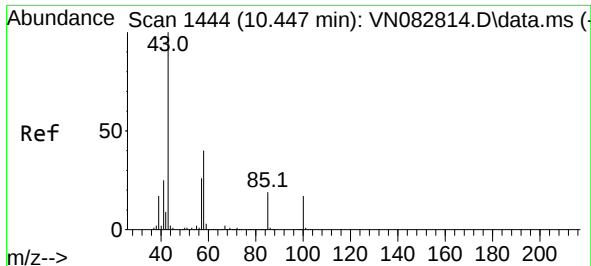
Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 414847.1 27.8 41.8#
58 2267.3 59.4 89.0#



#50
Toluene-d8
Concen: 53.156 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 98 Resp: 383253
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

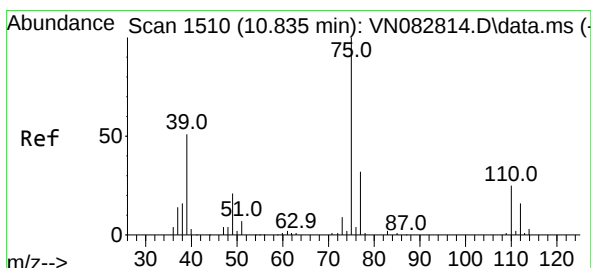
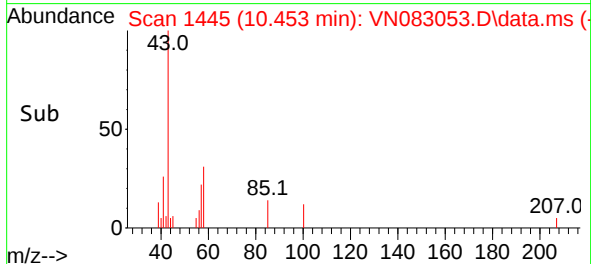
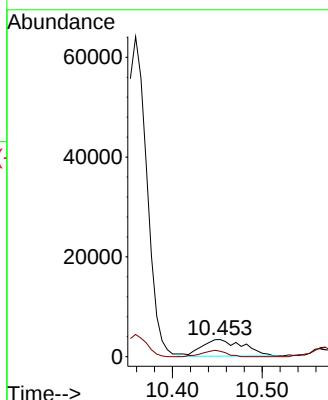
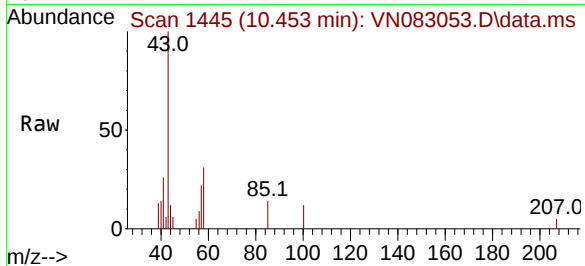




#51
4-Methyl-2-Pentanone
Concen: 4.002 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

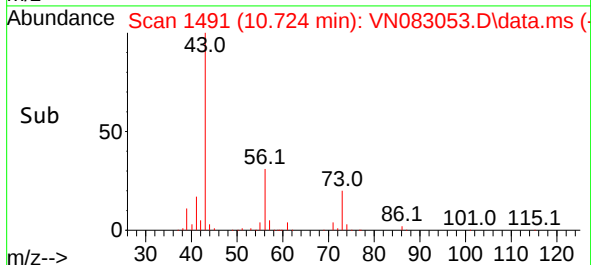
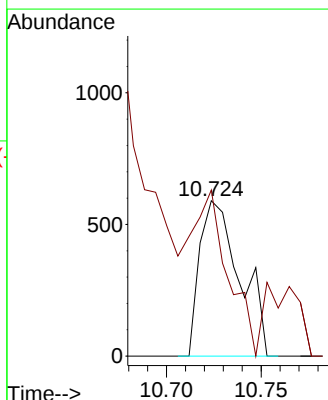
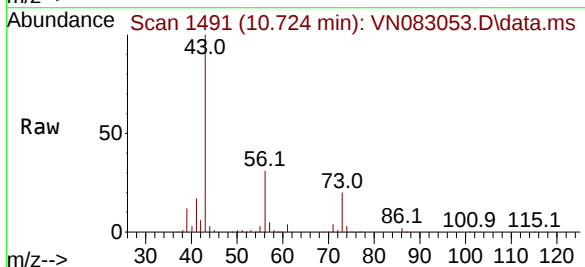
Instrument :
MSVOA_N
ClientSampleId :

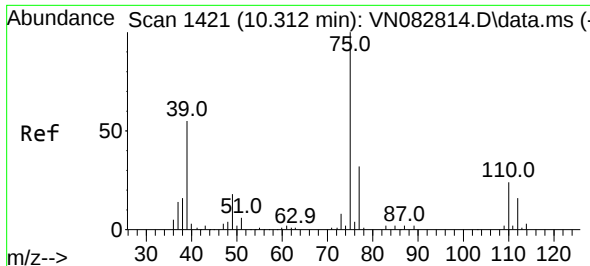
Tgt Ion: 43 Resp: 10871
Ion Ratio Lower Upper
43 100
58 21.1 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.271 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 75 Resp: 870
Ion Ratio Lower Upper
75 100
77 76.1 25.7 38.5#

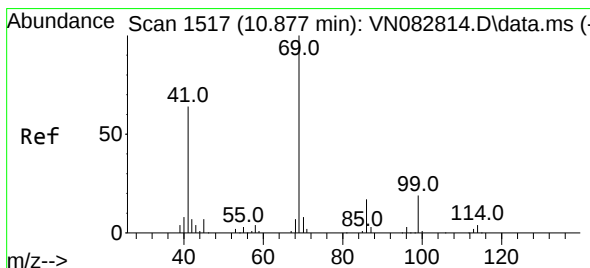
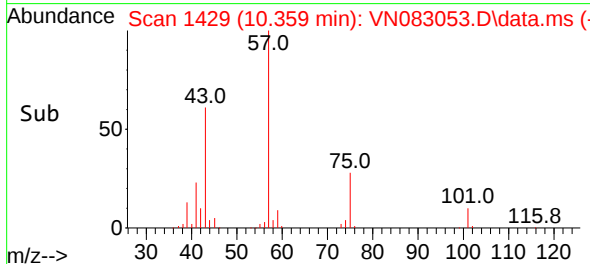
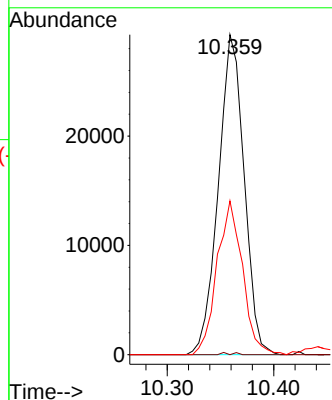
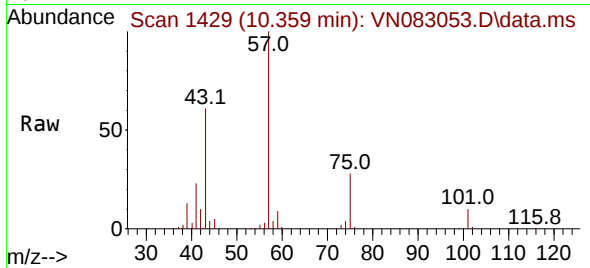




#54
 cis-1,3-Dichloropropene
 Concen: 14.509 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN083053.D
 Acq: 26 Jul 2024 15:47

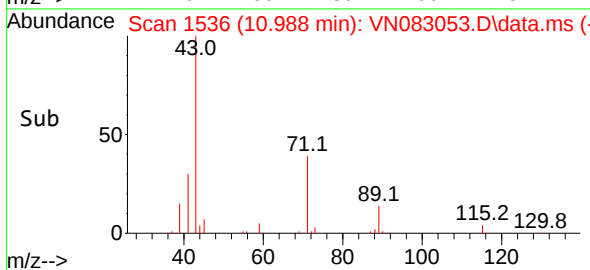
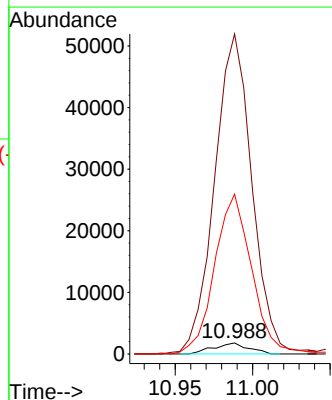
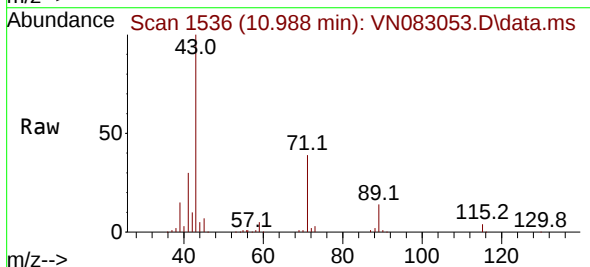
Instrument :
 MSVOA_N
 ClientSampleId :

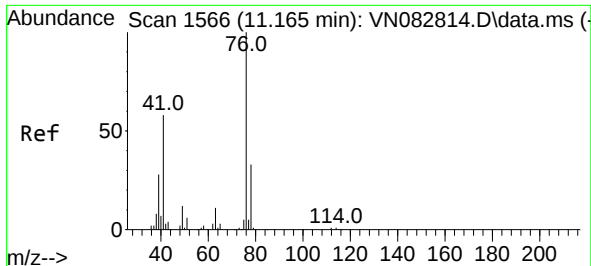
Tgt Ion: 75 Resp: 49223
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 48.1 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.948 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN083053.D
 Acq: 26 Jul 2024 15:47

Tgt Ion: 69 Resp: 2804
 Ion Ratio Lower Upper
 69 100
 41 3111.0 63.4 95.2#
 39 1545.2 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.062 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN083053.D

Acq: 26 Jul 2024 15:47

Instrument :

MSVOA_N

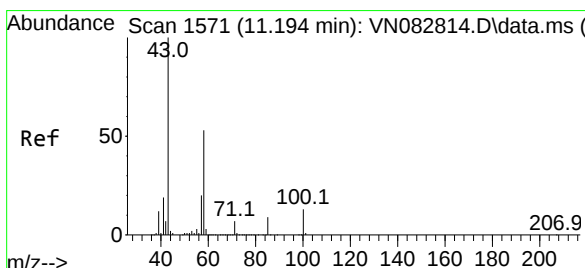
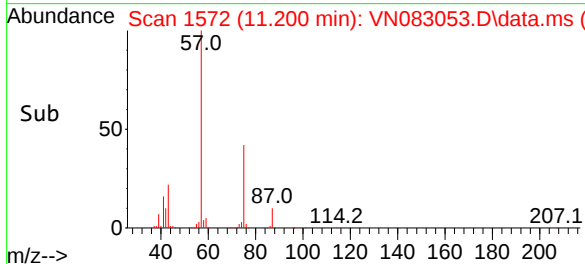
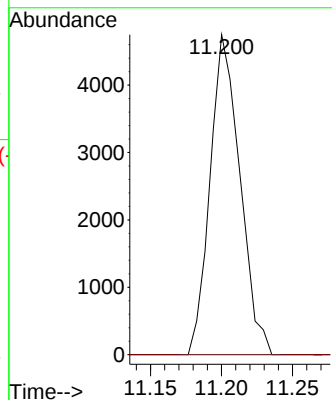
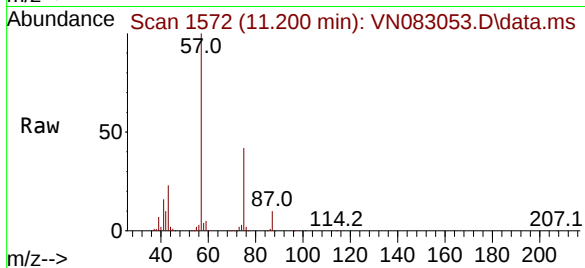
ClientSampleId :

Tgt Ion: 76 Resp: 6942

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 44.814 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN083053.D

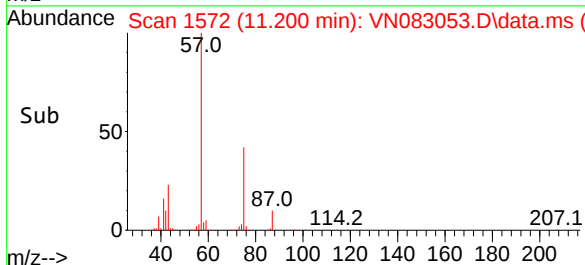
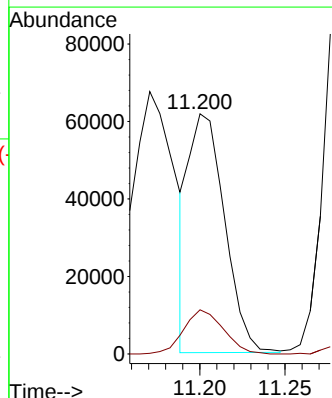
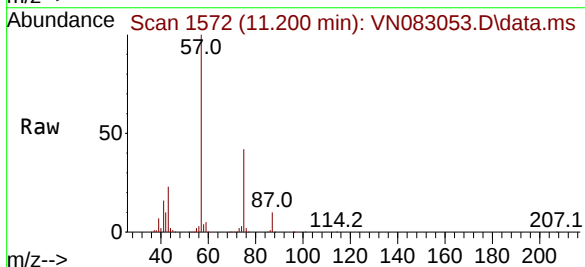
Acq: 26 Jul 2024 15:47

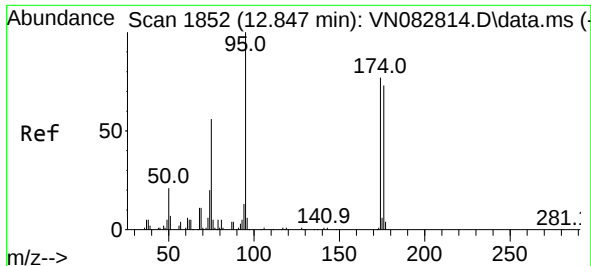
Tgt Ion: 43 Resp: 90508

Ion Ratio Lower Upper

43 100

58 20.4 24.6 73.8#

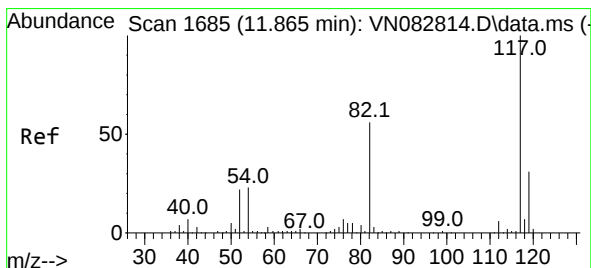
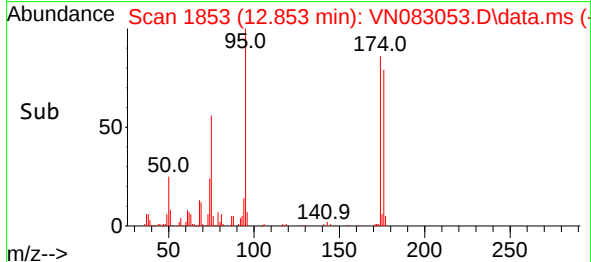
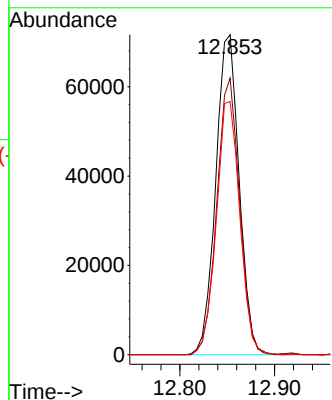
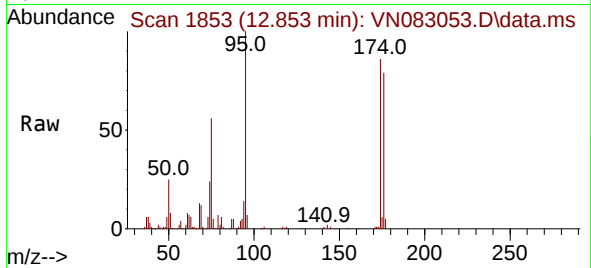




#62
4-Bromofluorobenzene
Concen: 47.483 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

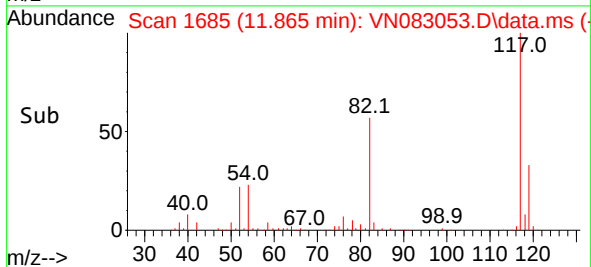
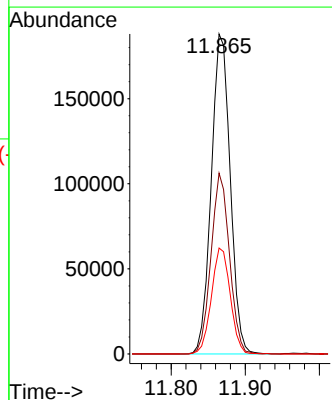
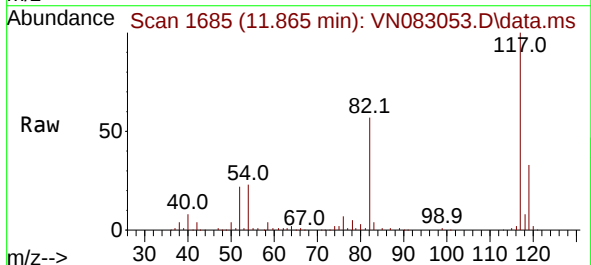
Instrument :
MSVOA_N
ClientSampleId :

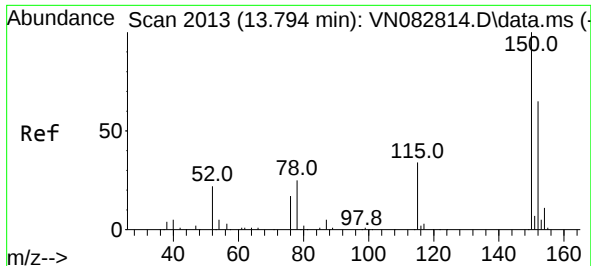
Tgt Ion: 95 Resp: 122975
Ion Ratio Lower Upper
95 100
174 84.3 0.0 159.2
176 79.4 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 117 Resp: 333233
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 33.1 25.6 38.4

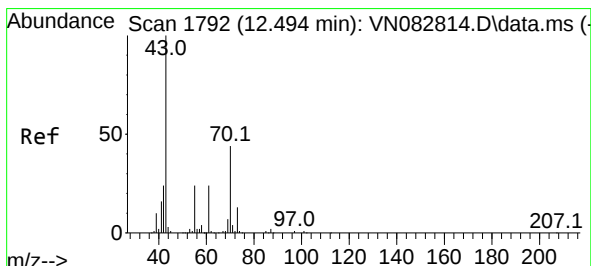
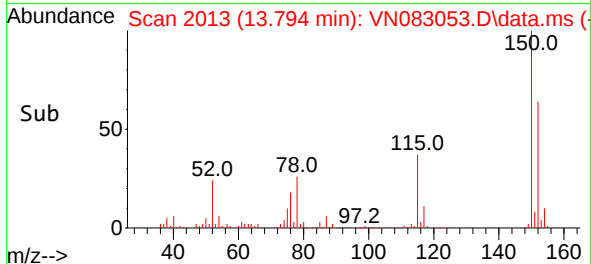
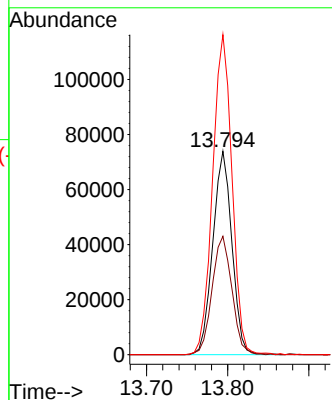
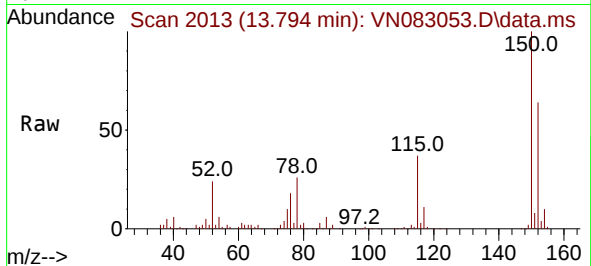




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

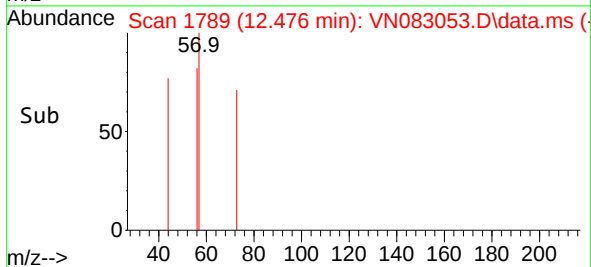
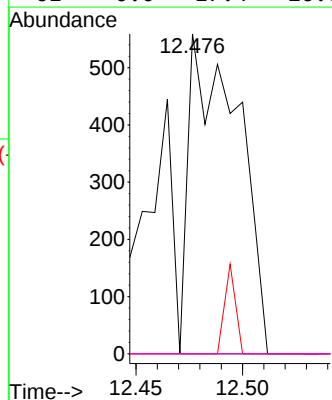
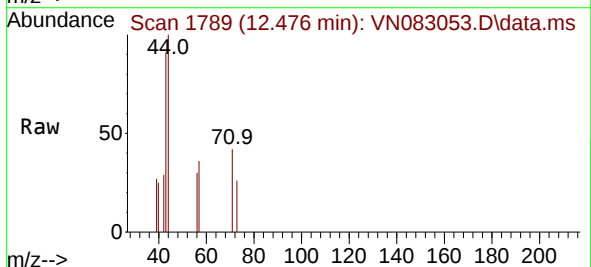
Instrument :
MSVOA_N
ClientSampleId :

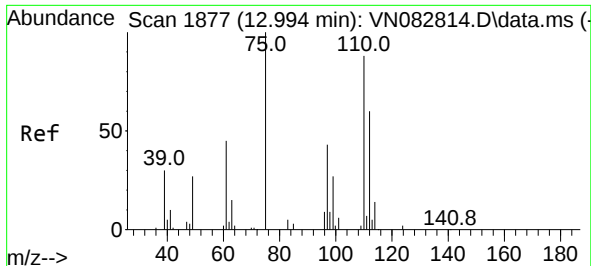
Tgt Ion:152 Resp: 120877
Ion Ratio Lower Upper
152 100
115 60.3 30.6 91.6
150 159.8 0.0 348.6



#74
N-ethyl acetate
Concen: 0.248 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 6.1 18.7 28.1#
61 0.0 17.4 26.0#

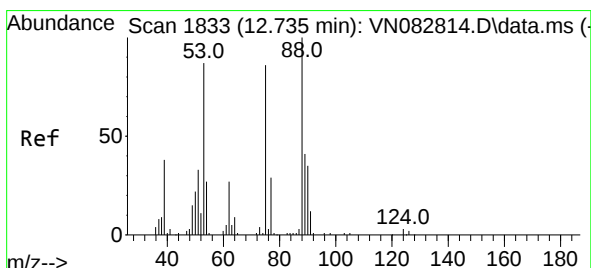
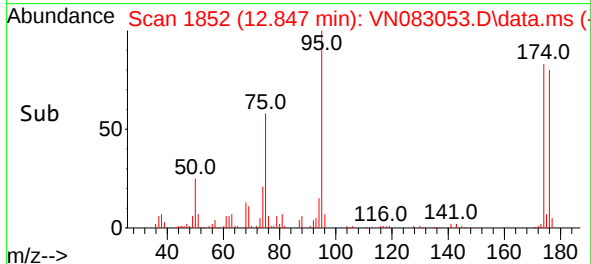
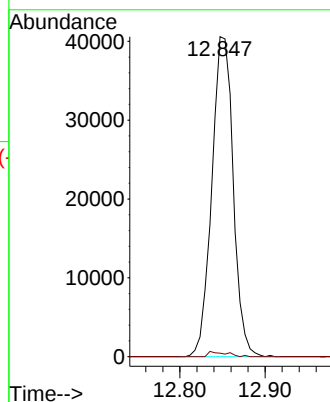
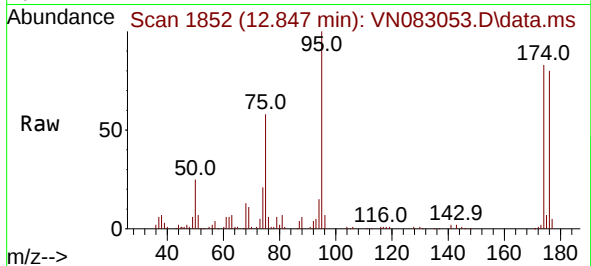




#76
1,2,3-Trichloropropane
Concen: 34.031 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70921
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN083053.D
Acq: 26 Jul 2024 15:47

Tgt Ion: 75 Resp: 70921
Ion Ratio Lower Upper
75 100
53 0.3 88.4 132.6#
89 0.0 36.3 54.5#

