

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083070.D
 Acq On : 30 Jul 2024 16:13
 Operator : JC\MD
 Sample : P3352-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:03:20 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)

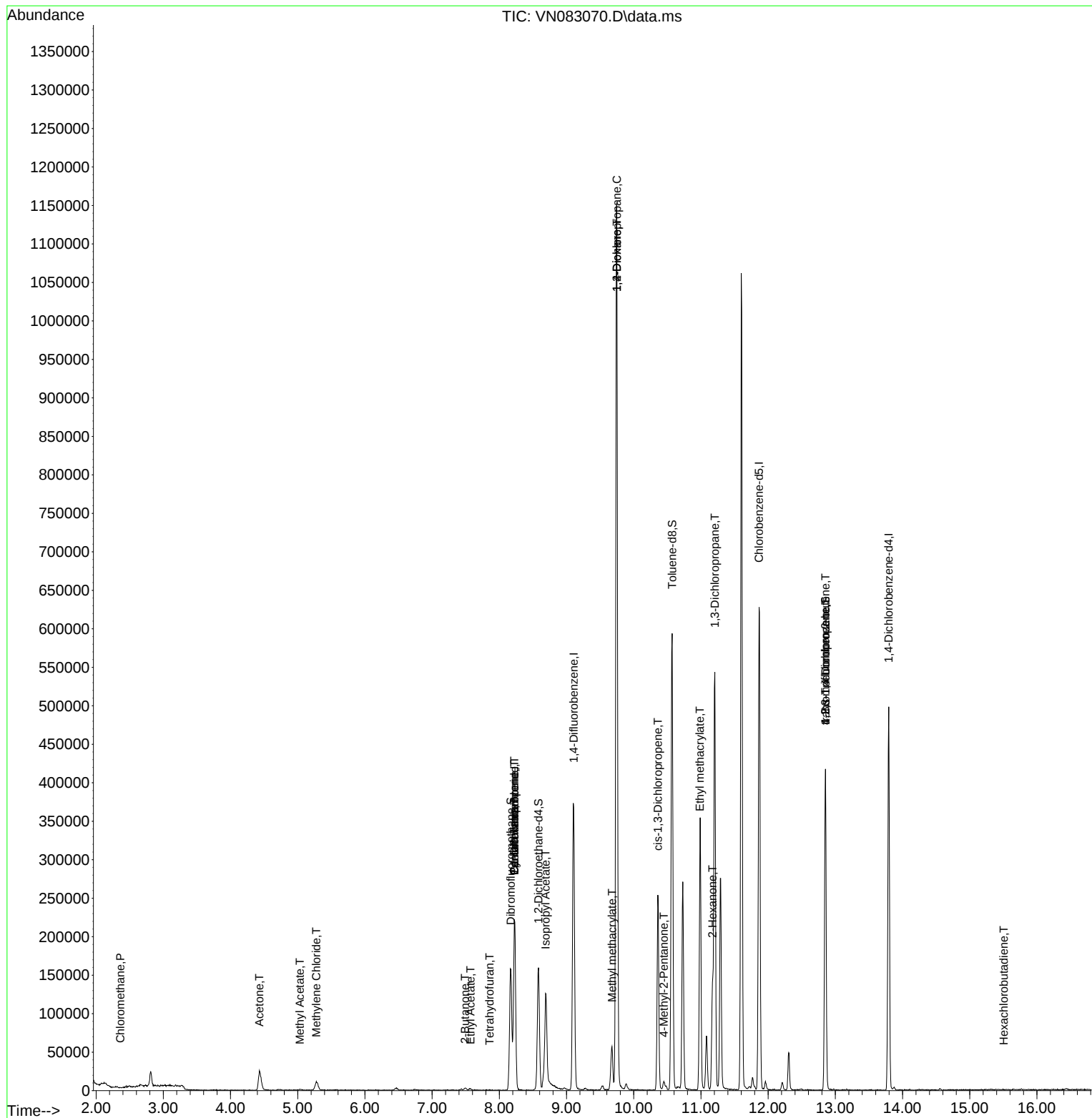
Internal Standards						
1) Pentafluorobenzene	8.224	168	153147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129294	60.226	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.460%	
35) Dibromofluoromethane	8.171	113	110262	54.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.820%	
50) Toluene-d8	10.571	98	404373	54.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	12.853	95	127176	47.733	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 95.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	646	0.344	ug/l #	43
16) Acetone	4.430	43	46925	62.084	ug/l	95
18) Methyl Acetate	5.030	43	2135	1.067	ug/l #	73
20) Methylene Chloride	5.277	84	8637	4.732	ug/l #	85
25) 2-Butanone	7.489	43	4810	4.215	ug/l	96
29) Tetrahydrofuran	7.853	42	260	0.362	ug/l #	66
31) Cyclohexane	8.224	56	4578	1.631	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	14510	5.241	ug/l #	50
37) Ethyl Acetate	7.571	43	3434	1.218	ug/l #	90
38) Carbon Tetrachloride	8.224	117	17515	5.254	ug/l #	19
43) Isopropyl Acetate	8.688	43	161431	29.133	ug/l #	87
45) 1,2-Dichloropropane	9.747	63	1435	0.722	ug/l #	44
48) Methyl methacrylate	9.677	41	4275	1.934	ug/l #	53
49) 1,4-Dioxane	9.747	88	57	1.807	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9696	3.470	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	40936	11.729	ug/l #	66
56) Ethyl methacrylate	10.982	69	2775	0.912	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5917	1.709	ug/l #	43
59) 2-Hexanone	11.171	43	101972	49.079	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	75622	35.038	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75622	68.909	ug/l #	6
94) Hexachlorobutadiene	15.506	225	242	0.246	ug/l #	37

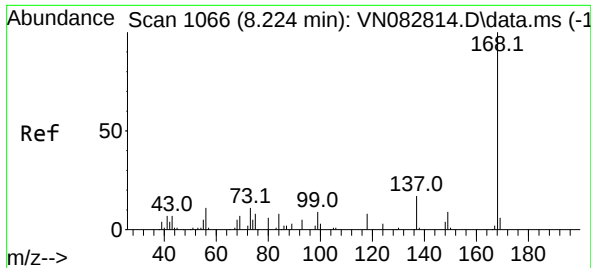
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
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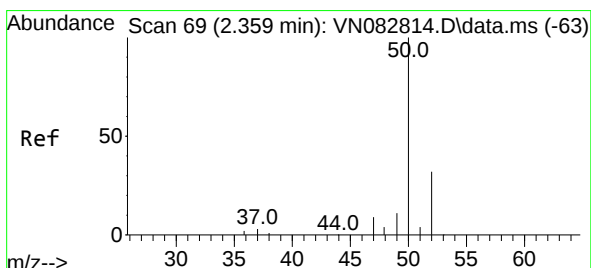
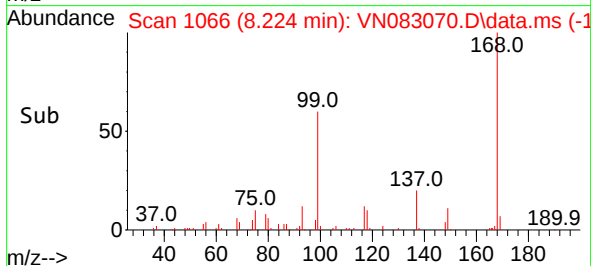
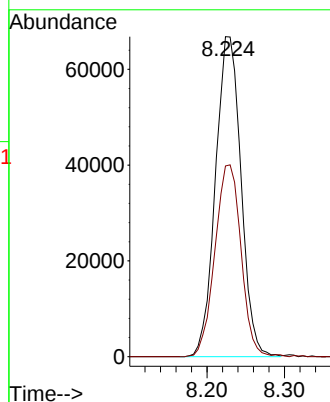
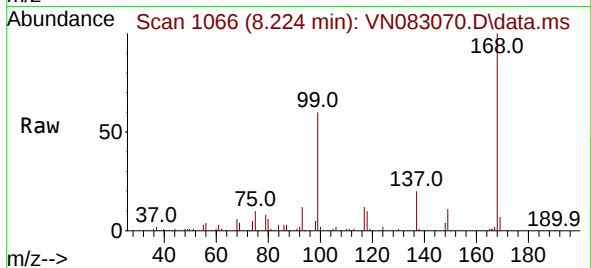




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

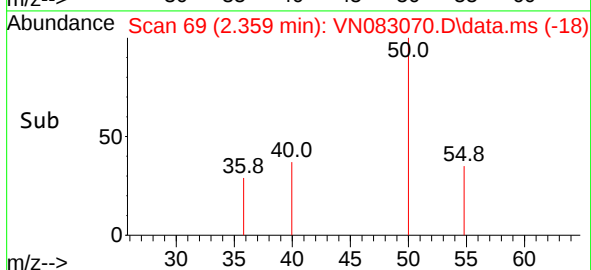
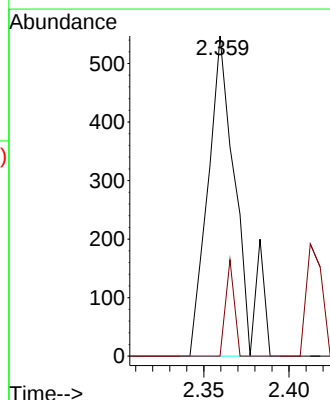
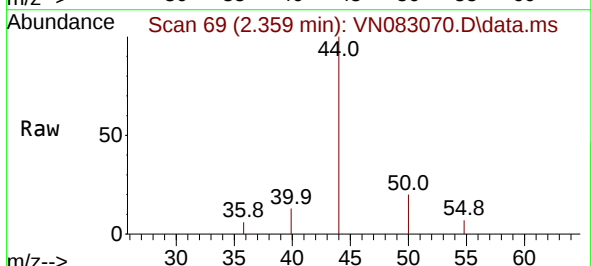
Instrument :
MSVOA_N
ClientSampleId :

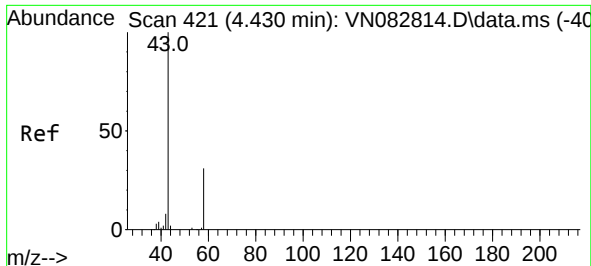
Tgt Ion:168 Resp: 153147
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4



#3
Chloromethane
Concen: 0.344 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

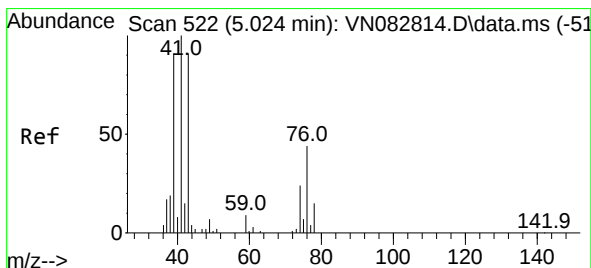
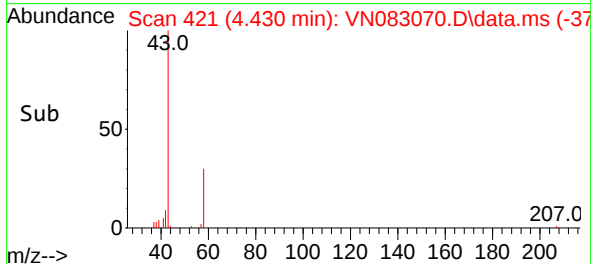
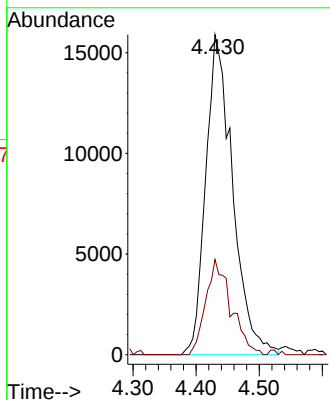
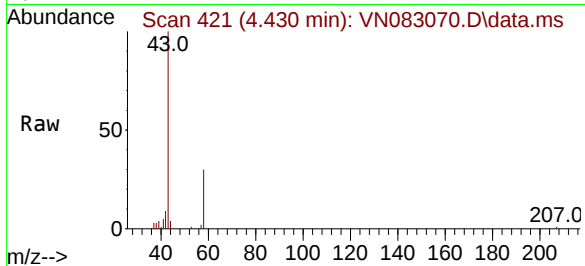




#16
Acetone
Concen: 62.084 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

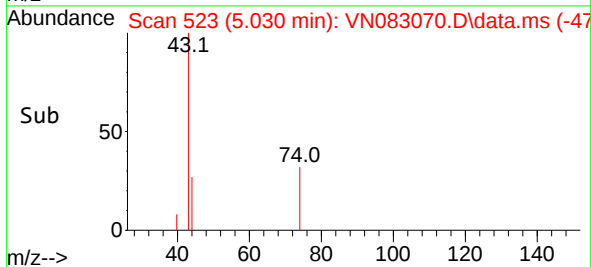
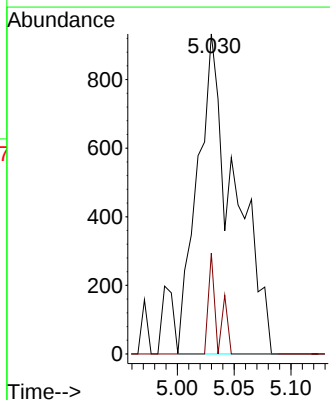
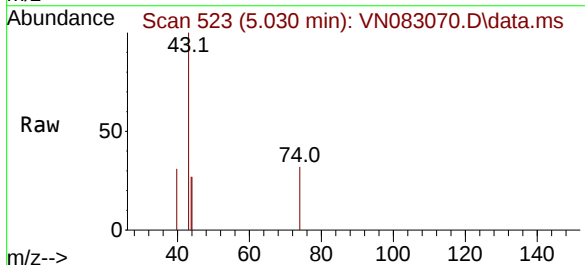
Instrument :
MSVOA_N
ClientSampleId :

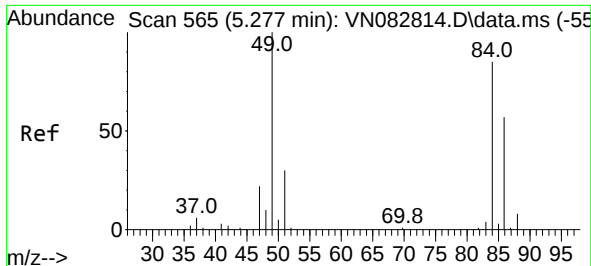
Tgt Ion: 43 Resp: 46925
Ion Ratio Lower Upper
43 100
58 29.7 21.8 32.6



#18
Methyl Acetate
Concen: 1.067 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

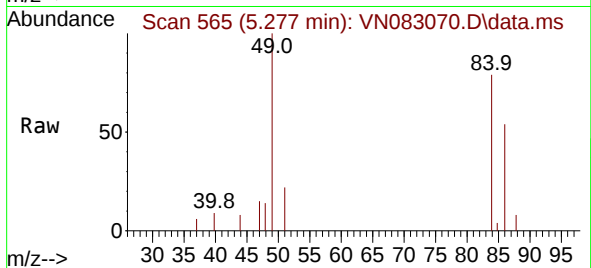
Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
74 7.7 16.3 24.5#



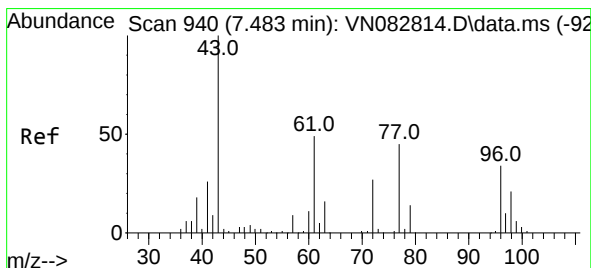
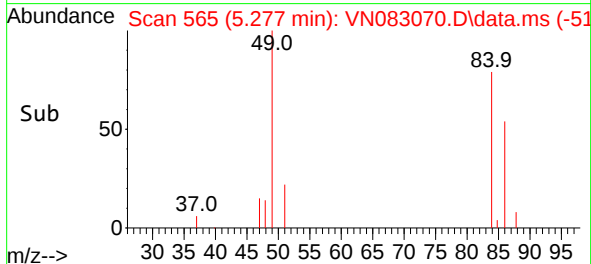
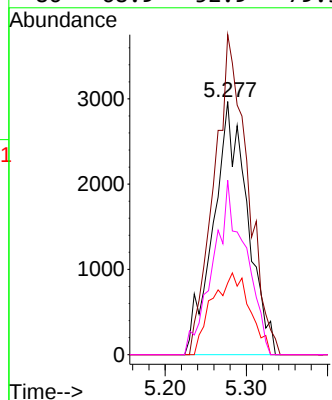


#20
Methylene Chloride
Concen: 4.732 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Instrument :
MSVOA_N
ClientSampleId :

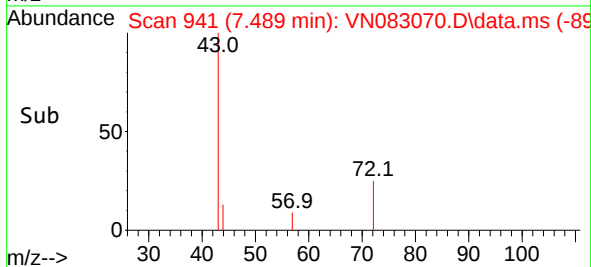
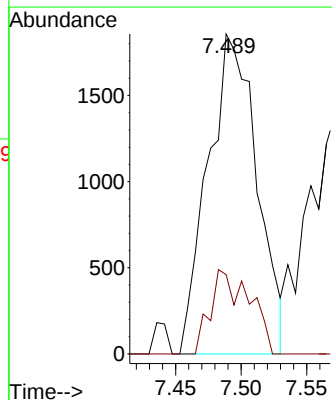
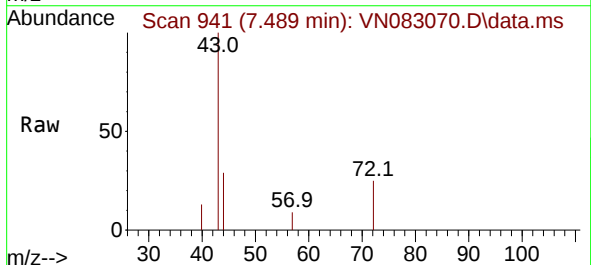


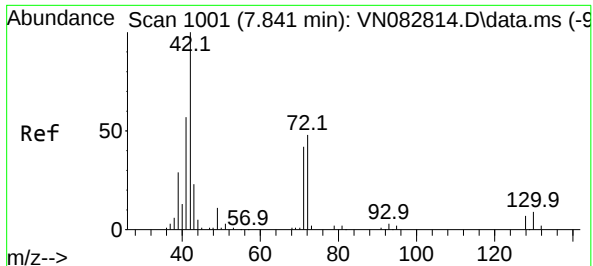
Tgt Ion: 84	Resp: 8637
Ion Ratio	Lower Upper
84 100	
49 126.4	119.6 179.4
51 28.3	34.8 52.2#
86 68.9	52.9 79.3



#25
2-Butanone
Concen: 4.215 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 43	Resp: 4810		
Ion Ratio	Lower	Upper	
43	100		
72	24.8	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN083070.D

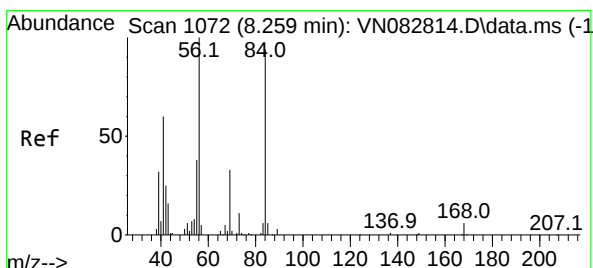
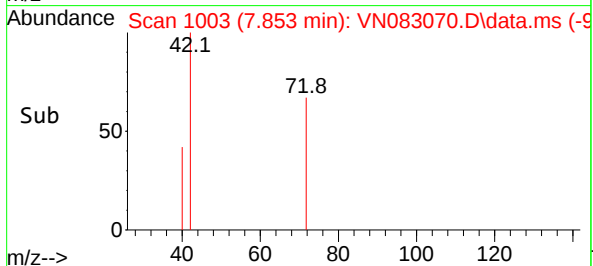
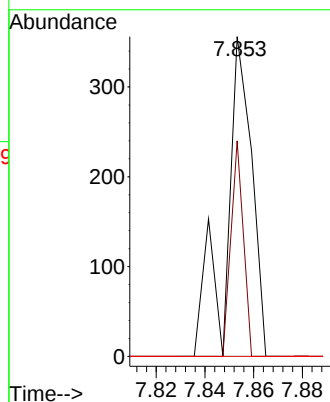
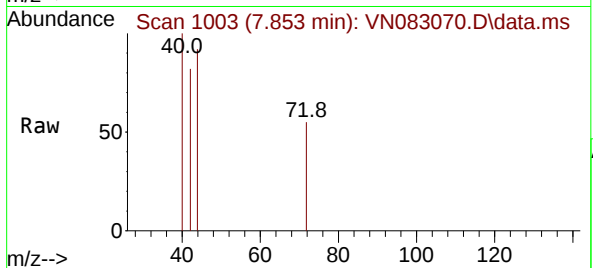
Acq: 30 Jul 2024 16:13

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	260
Ion	Ratio	Lower	Upper
42	100		
72	32.7	30.0	45.0
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.631 ug/l

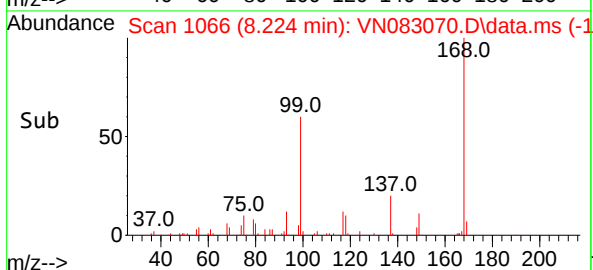
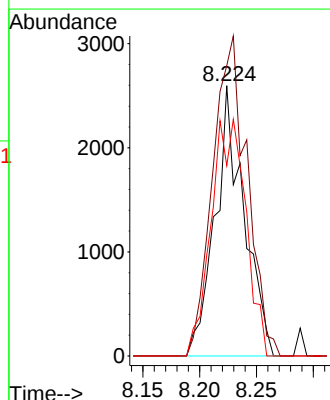
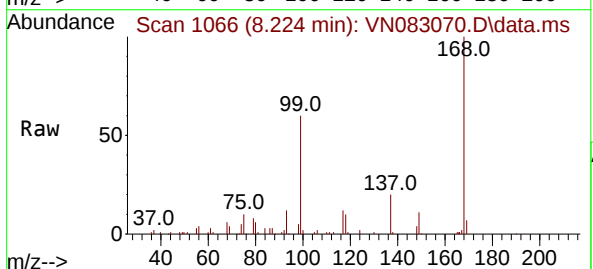
RT: 8.224 min Scan# 1066

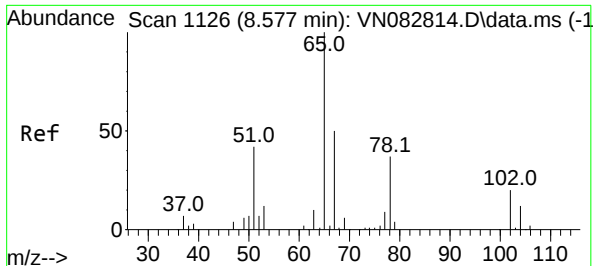
Delta R.T. -0.035 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

Tgt Ion:	56	Resp:	4578
Ion	Ratio	Lower	Upper
56	100		
69	107.4	24.5	36.7#
84	70.5	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 60.226 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

Instrument :

MSVOA_N

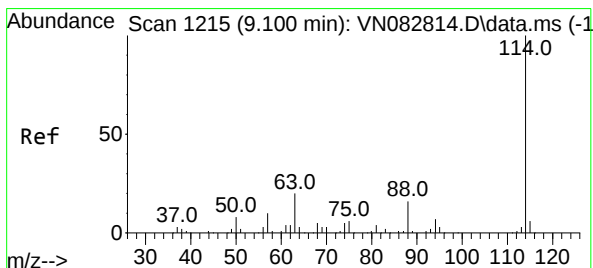
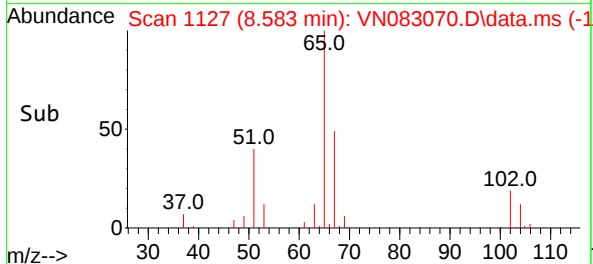
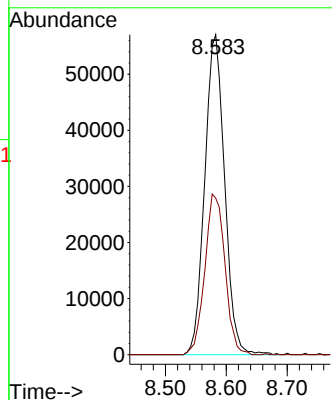
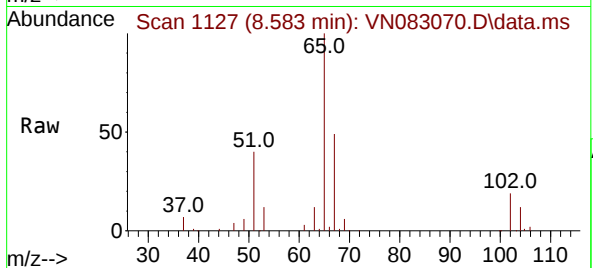
ClientSampleId :

Tgt Ion: 65 Resp: 129294

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

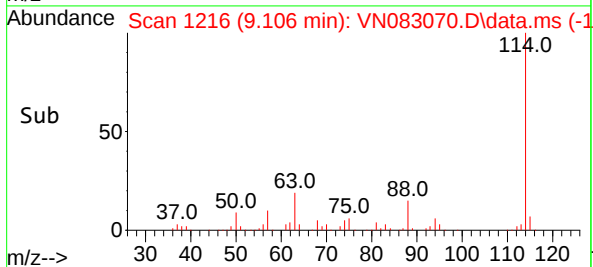
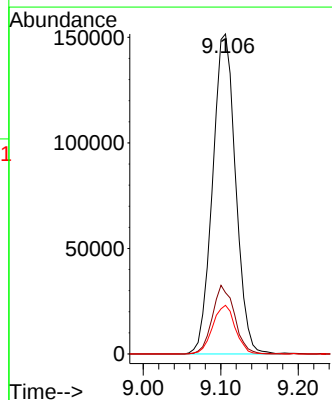
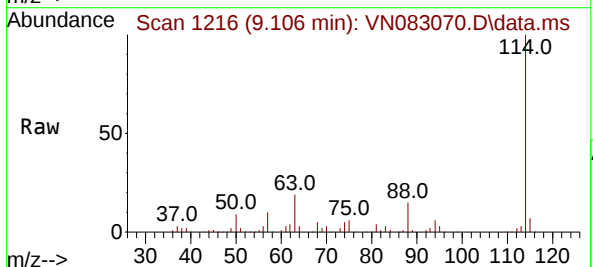
Tgt Ion: 114 Resp: 312961

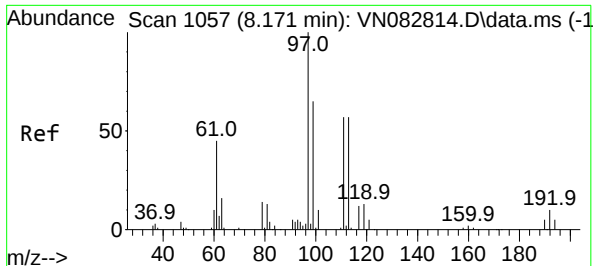
Ion Ratio Lower Upper

114 100

63 19.1 0.0 44.6

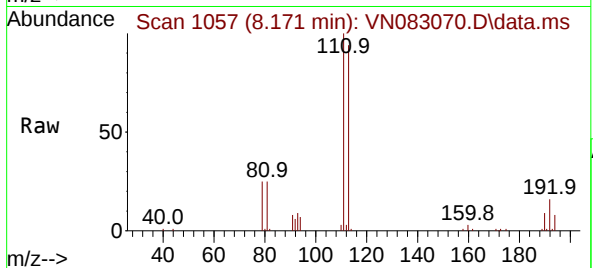
88 15.2 0.0 31.4



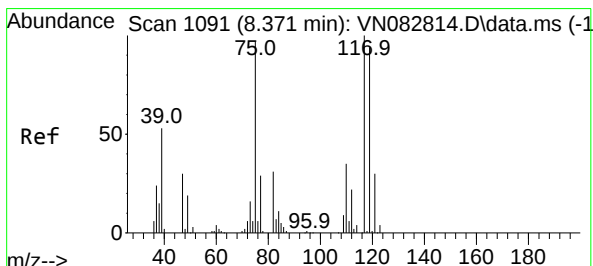
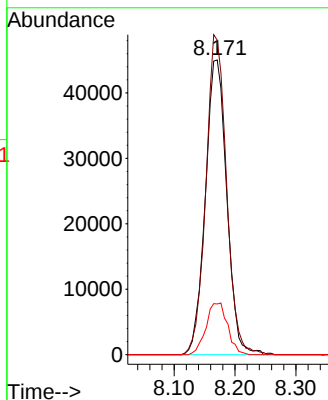
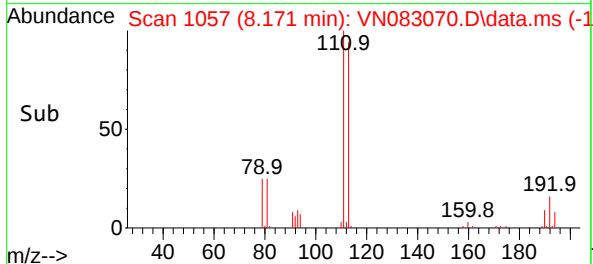


#35
Dibromofluoromethane
Concen: 54.906 ug/l
RT: 8.171 min Scan# 110262
Delta R.T. 0.006 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Instrument :
MSVOA_N
ClientSampleId :

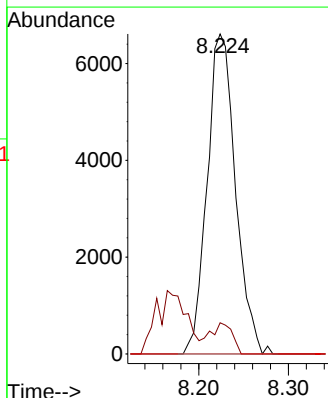
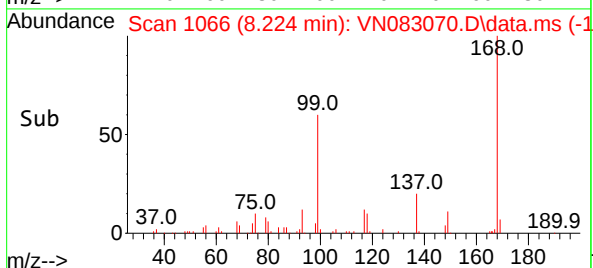
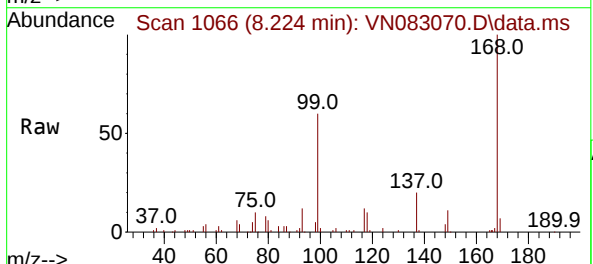


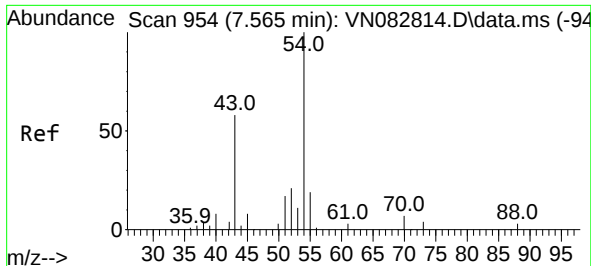
Tgt Ion:113 Resp: 110262
Ion Ratio Lower Upper
113 100
111 104.3 82.4 123.6
192 17.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 75 Resp: 14510
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.218 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

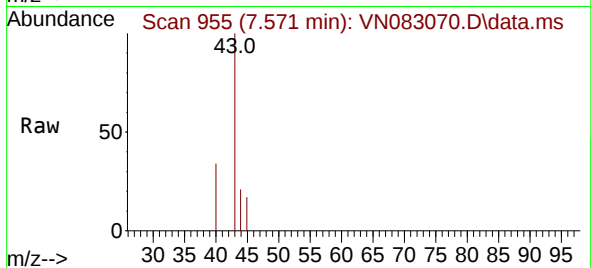
Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

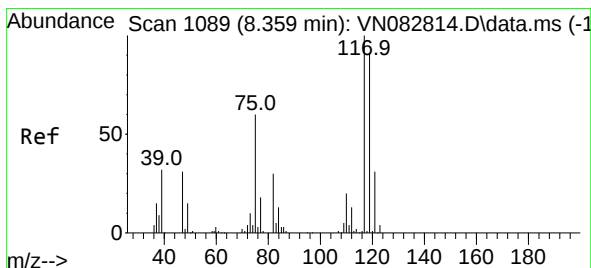
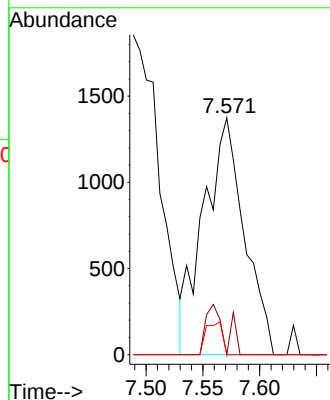
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3434
Ion	Ratio	Lower	Upper
43	100		
61	7.5	9.3	13.9#
70	5.4	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.254 ug/l

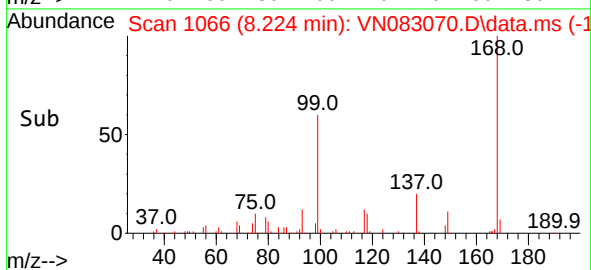
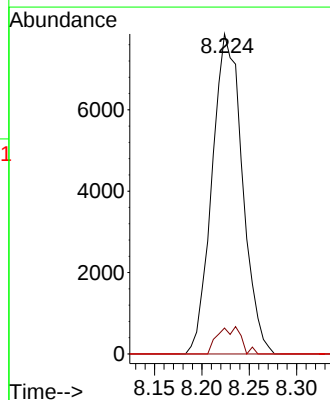
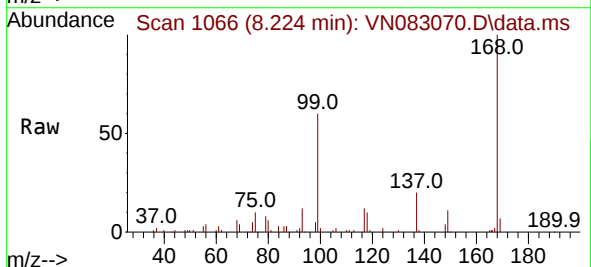
RT: 8.224 min Scan# 1066

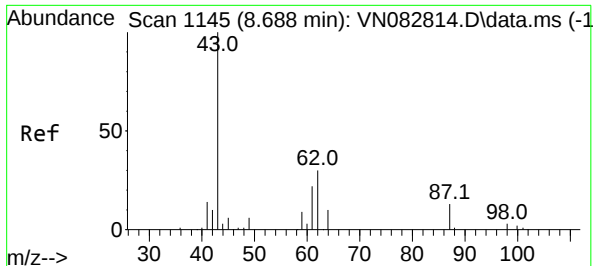
Delta R.T. -0.141 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

Tgt Ion:	117	Resp:	17515
Ion	Ratio	Lower	Upper
117	100		
119	8.1	74.9	112.3#
121	0.0	24.3	36.5#

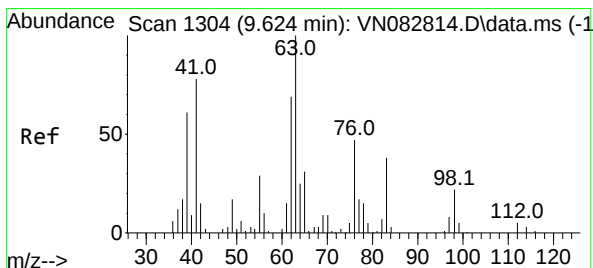
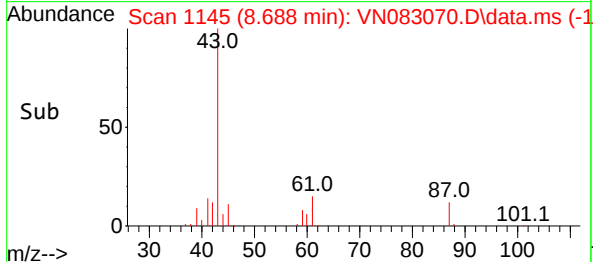
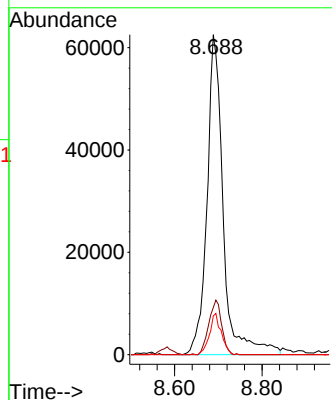
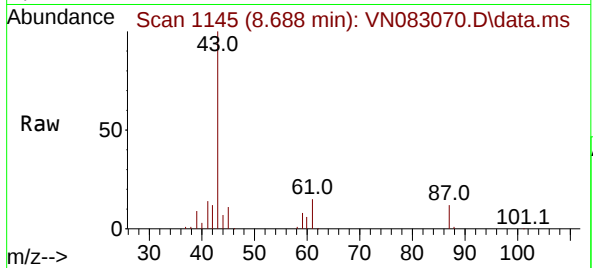




#43
Isopropyl Acetate
Concen: 29.133 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

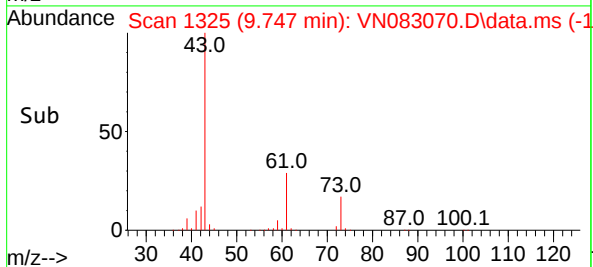
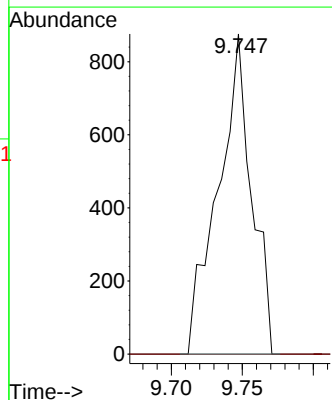
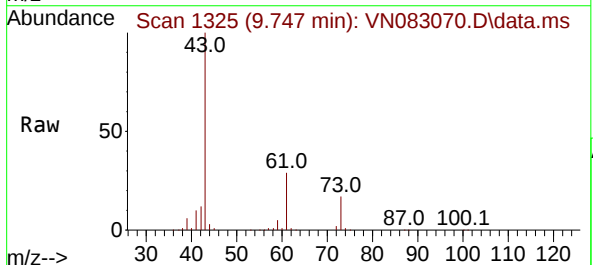
Instrument :
MSVOA_N
ClientSampleId :

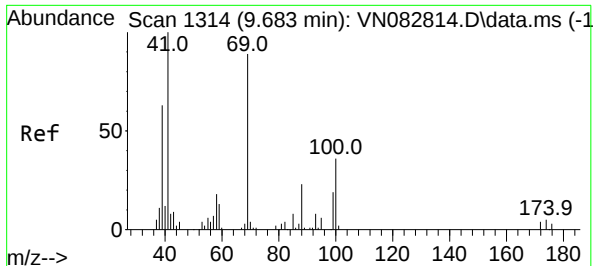
Tgt Ion: 43 Resp: 161431
Ion Ratio Lower Upper
43 100
61 13.6 17.8 26.6#
87 9.4 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.722 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 63 Resp: 1435
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.934 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

Instrument :

MSVOA_N

ClientSampleId :

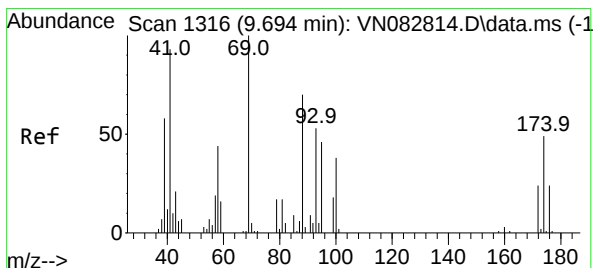
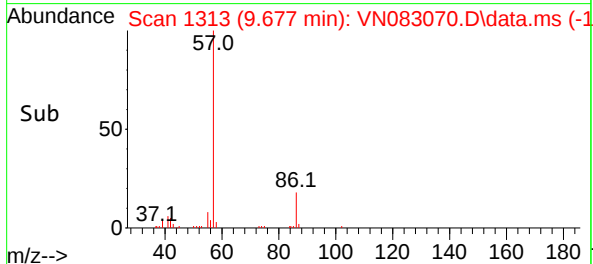
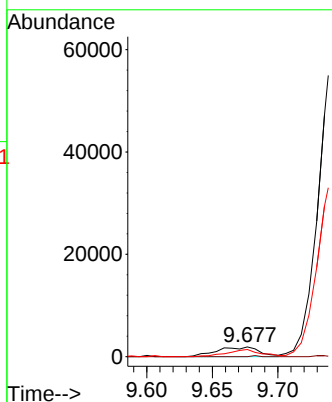
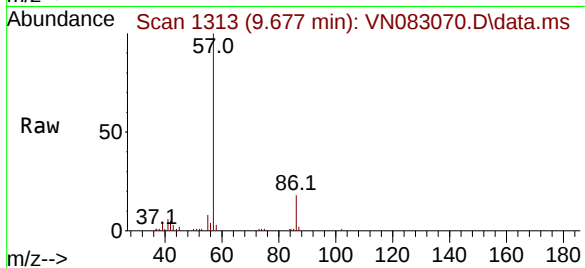
Tgt Ion: 41 Resp: 4275

Ion Ratio Lower Upper

41 100

69 1.8 56.3 84.5#

39 57.7 50.3 75.5



#49

1,4-Dioxane

Concen: 1.807 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN083070.D

Acq: 30 Jul 2024 16:13

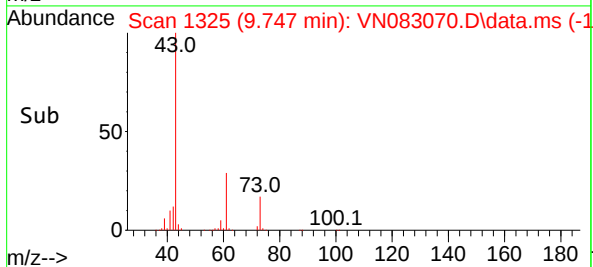
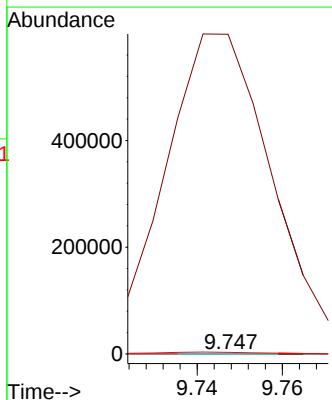
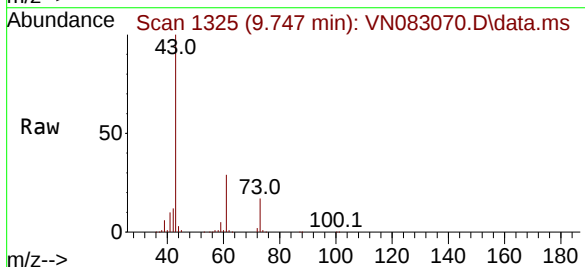
Tgt Ion: 88 Resp: 57

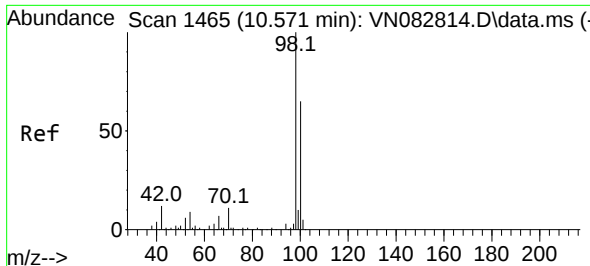
Ion Ratio Lower Upper

88 100

43 1896112.3 27.8 41.8#

58 11436.8 59.4 89.0#

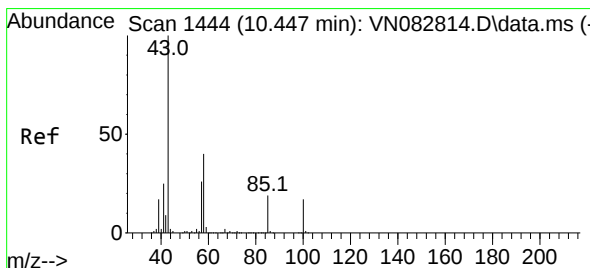
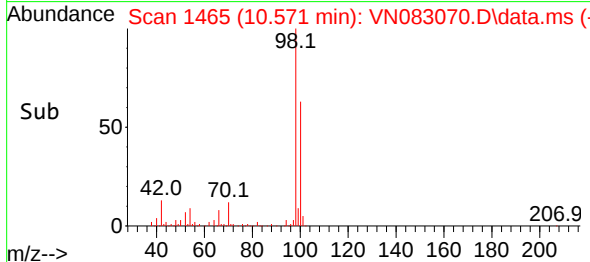
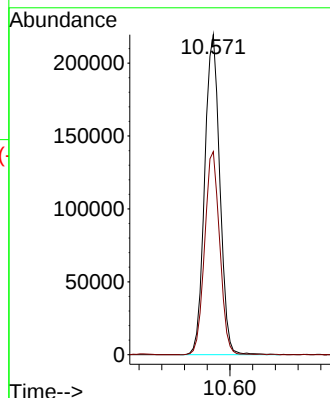
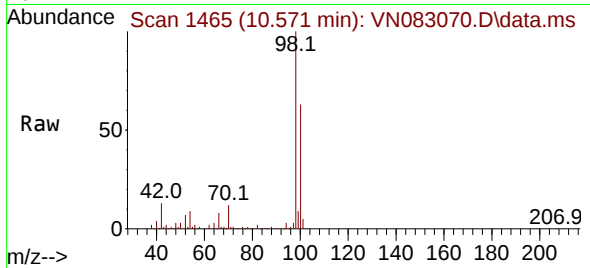




#50
Toluene-d8
Concen: 54.518 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

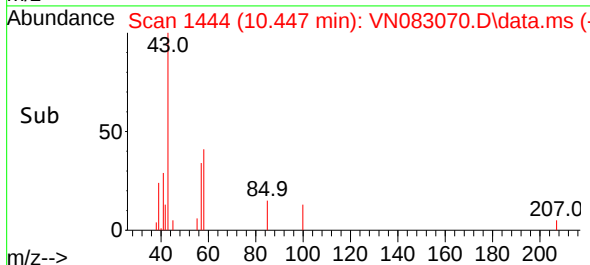
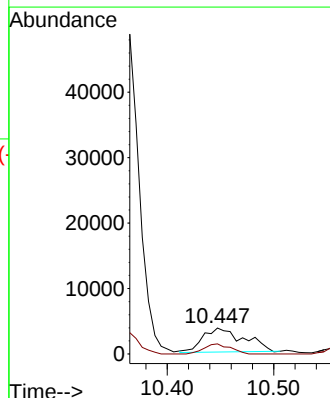
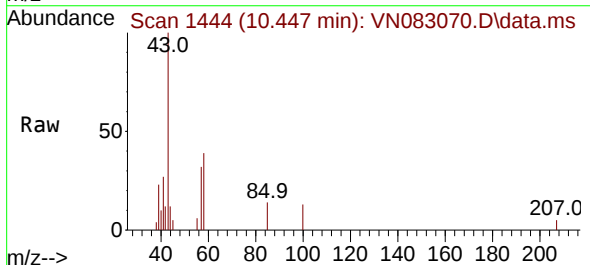
Instrument :
MSVOA_N
ClientSampleId :

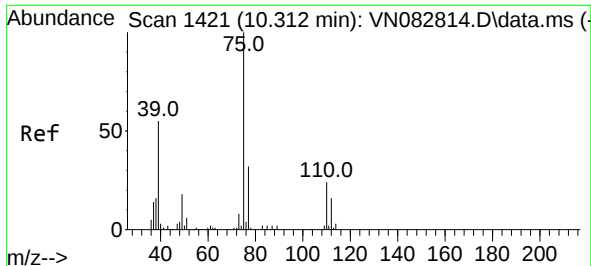
Tgt Ion: 98 Resp: 404373
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.470 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

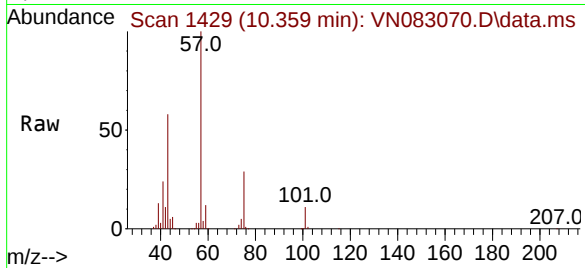
Tgt Ion: 43 Resp: 9696
Ion Ratio Lower Upper
43 100
58 27.3 28.2 42.4#



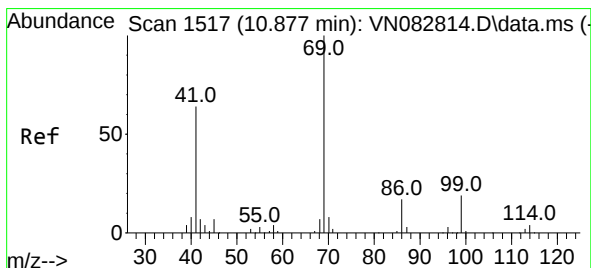
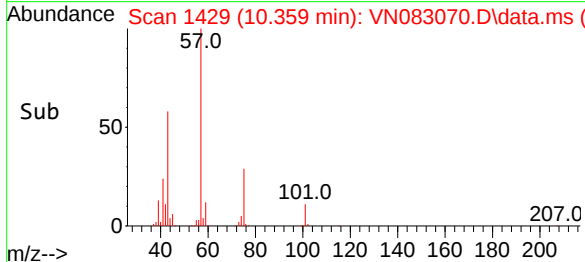
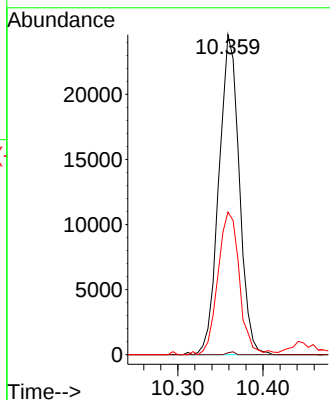


#54
cis-1,3-Dichloropropene
Concen: 11.729 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Instrument :
MSVOA_N
ClientSampleId :

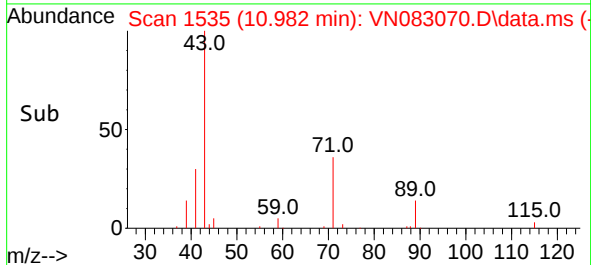
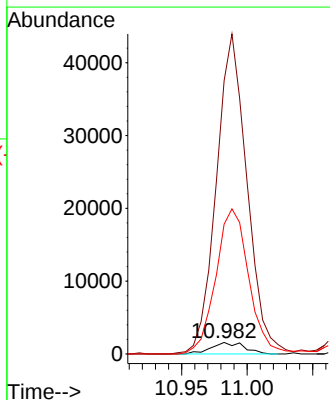
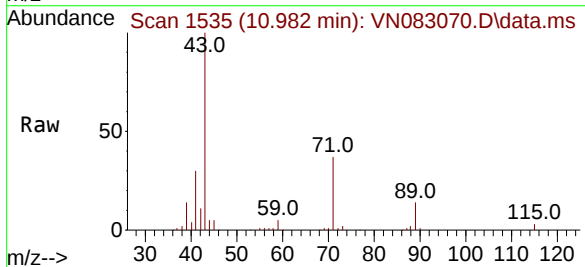


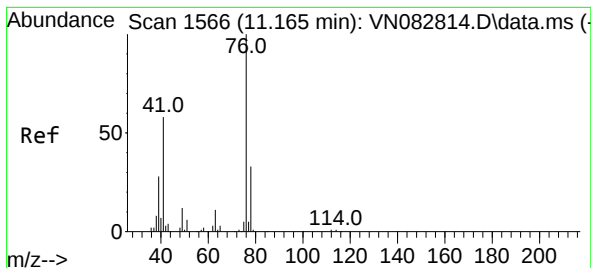
Tgt Ion: 75 Resp: 40936
Ion Ratio Lower Upper
75 100
77 0.6 24.3 36.5#
39 44.6 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.912 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 69 Resp: 2775
Ion Ratio Lower Upper
69 100
41 2574.3 63.4 95.2#
39 1265.9 37.4 56.0#

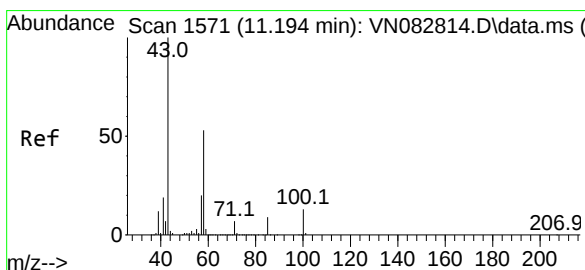
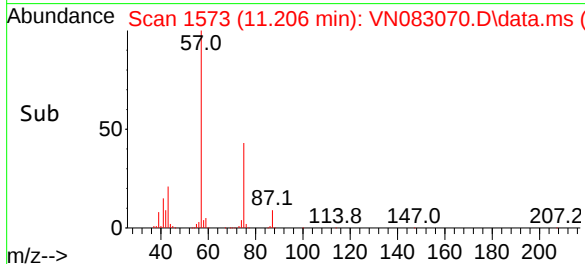
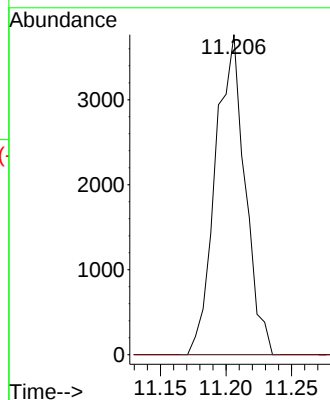
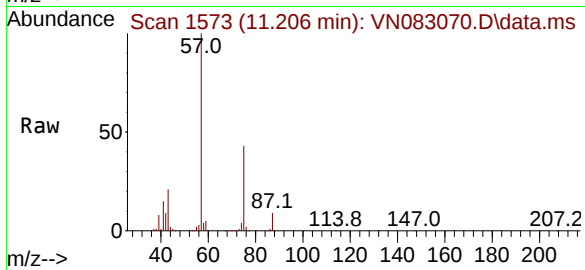




#57
1,3-Dichloropropane
Concen: 1.709 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

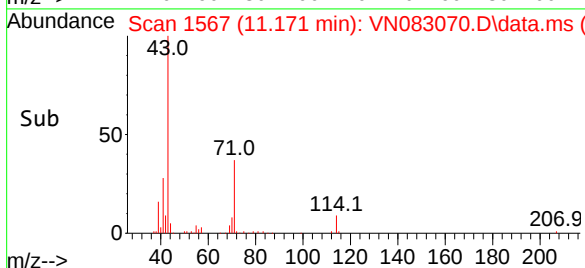
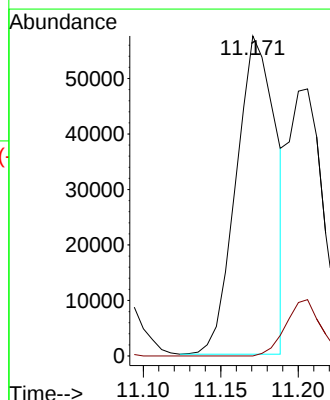
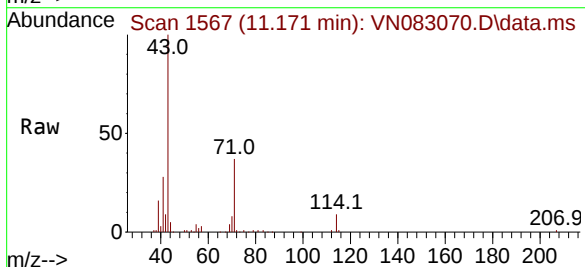
Instrument :
MSVOA_N
ClientSampleId :

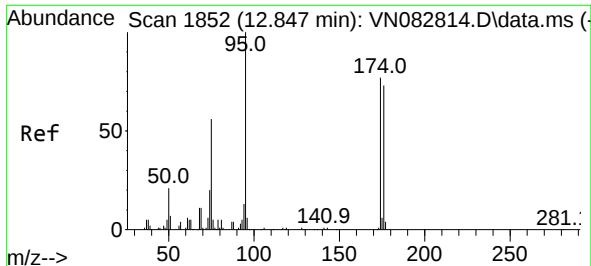
Tgt Ion: 76 Resp: 5917
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 49.079 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 43 Resp: 101972
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

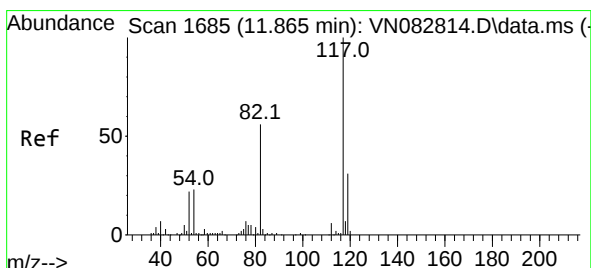
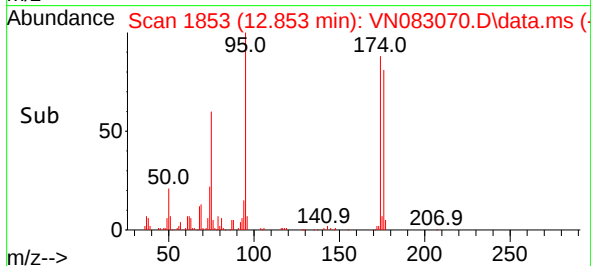
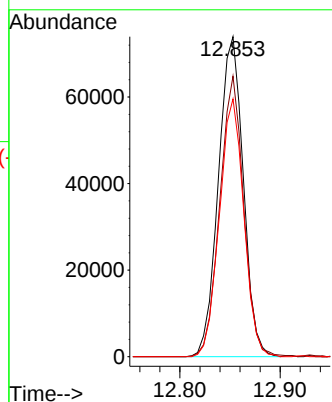
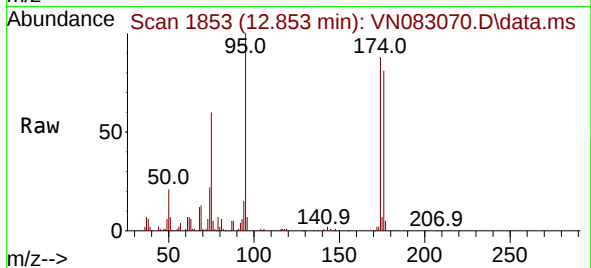




#62
4-Bromofluorobenzene
Concen: 47.733 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

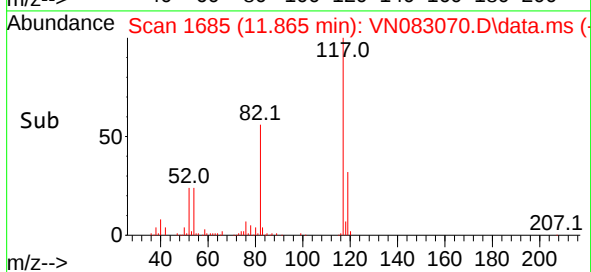
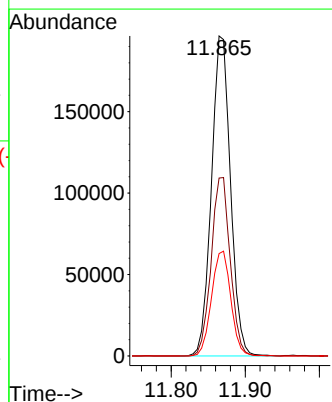
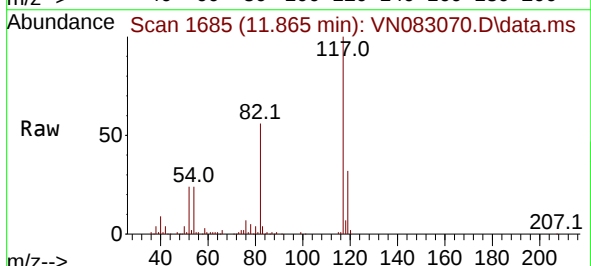
Instrument :
MSVOA_N
ClientSampleId :

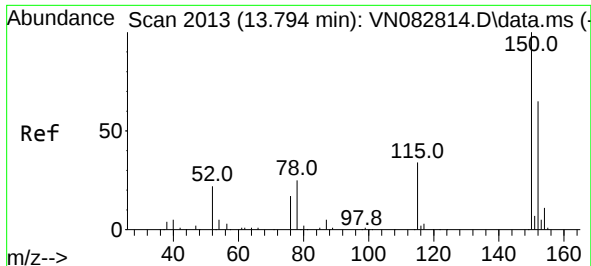
Tgt Ion: 95 Resp: 127176
Ion Ratio Lower Upper
95 100
174 84.4 0.0 159.2
176 79.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 117 Resp: 350419
Ion Ratio Lower Upper
117 100
82 55.6 47.5 71.3
119 32.0 25.6 38.4

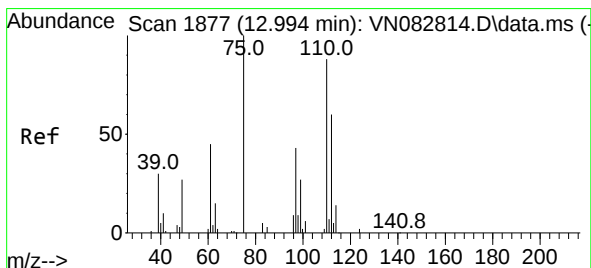
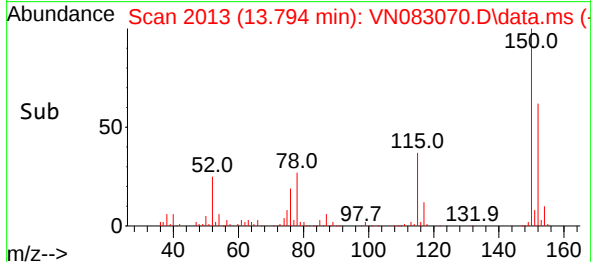
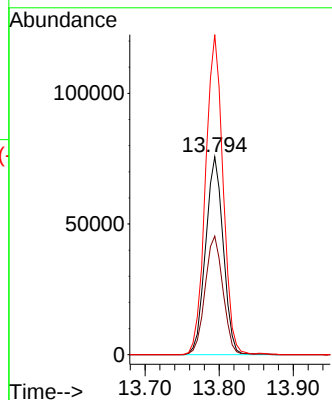
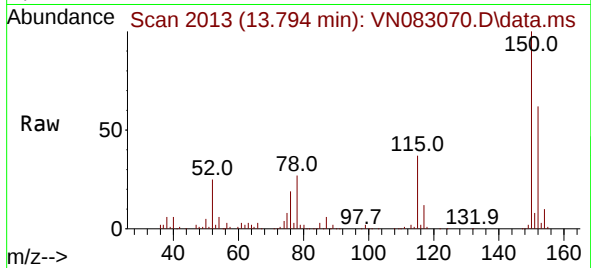




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN083070.D
 Acq: 30 Jul 2024 16:13

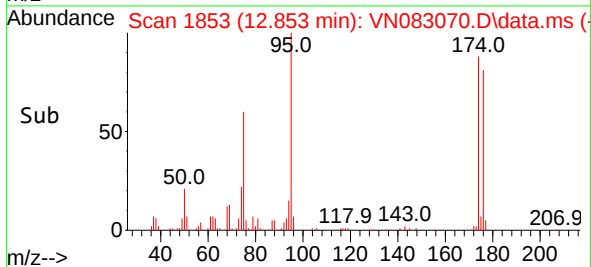
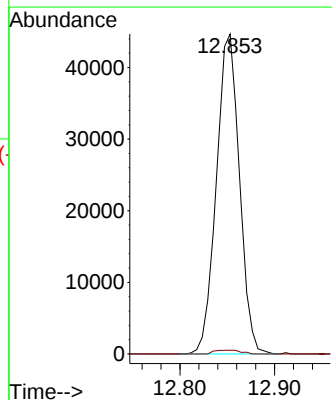
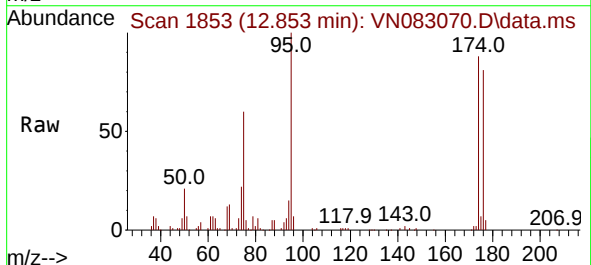
Instrument :
 MSVOA_N
 ClientSampleId :

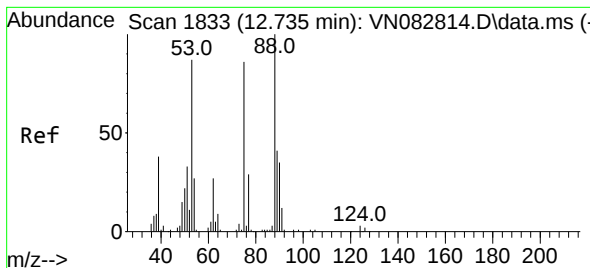
Tgt Ion:152 Resp: 125188
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.6 91.6
 150 160.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 35.038 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN083070.D
 Acq: 30 Jul 2024 16:13

Tgt Ion: 75 Resp: 75622
 Ion Ratio Lower Upper
 75 100
 77 1.4 110.9 332.6#

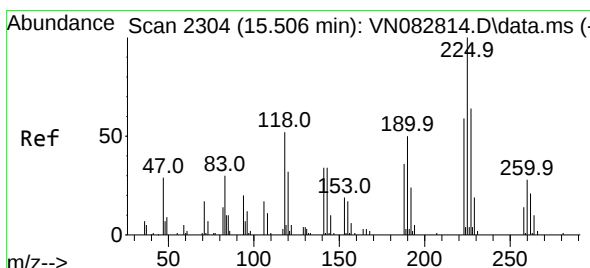
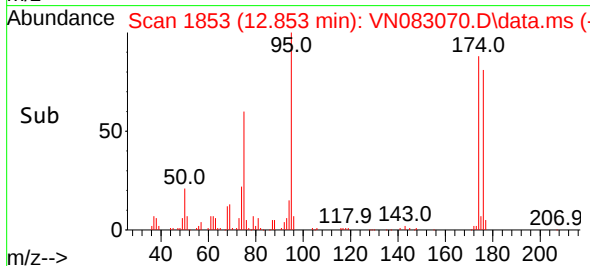
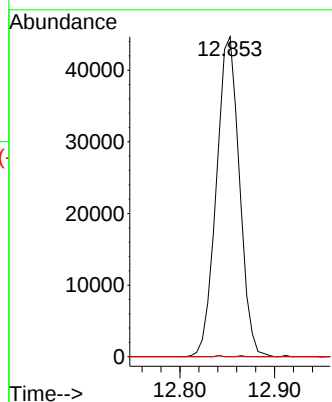
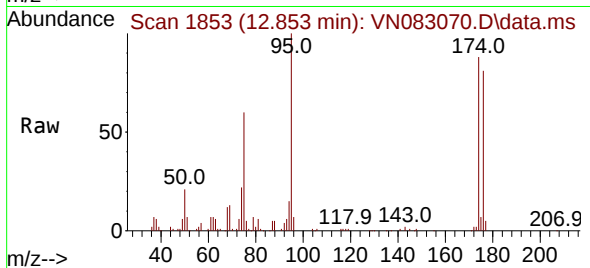




#81
trans-1,4-Dichloro-2-butene
Concen: 68.909 ug/l
RT: 12.853 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75622
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.246 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.001 min
Lab File: VN083070.D
Acq: 30 Jul 2024 16:13

Tgt Ion: 225 Resp: 242
Ion Ratio Lower Upper
225 100
223 29.3 31.9 95.7#
227 0.0 32.5 97.5#

