

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084077.D
 Acq On : 20 Sep 2024 17:57
 Operator : JC\MD
 Sample : P4093-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 23:30:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

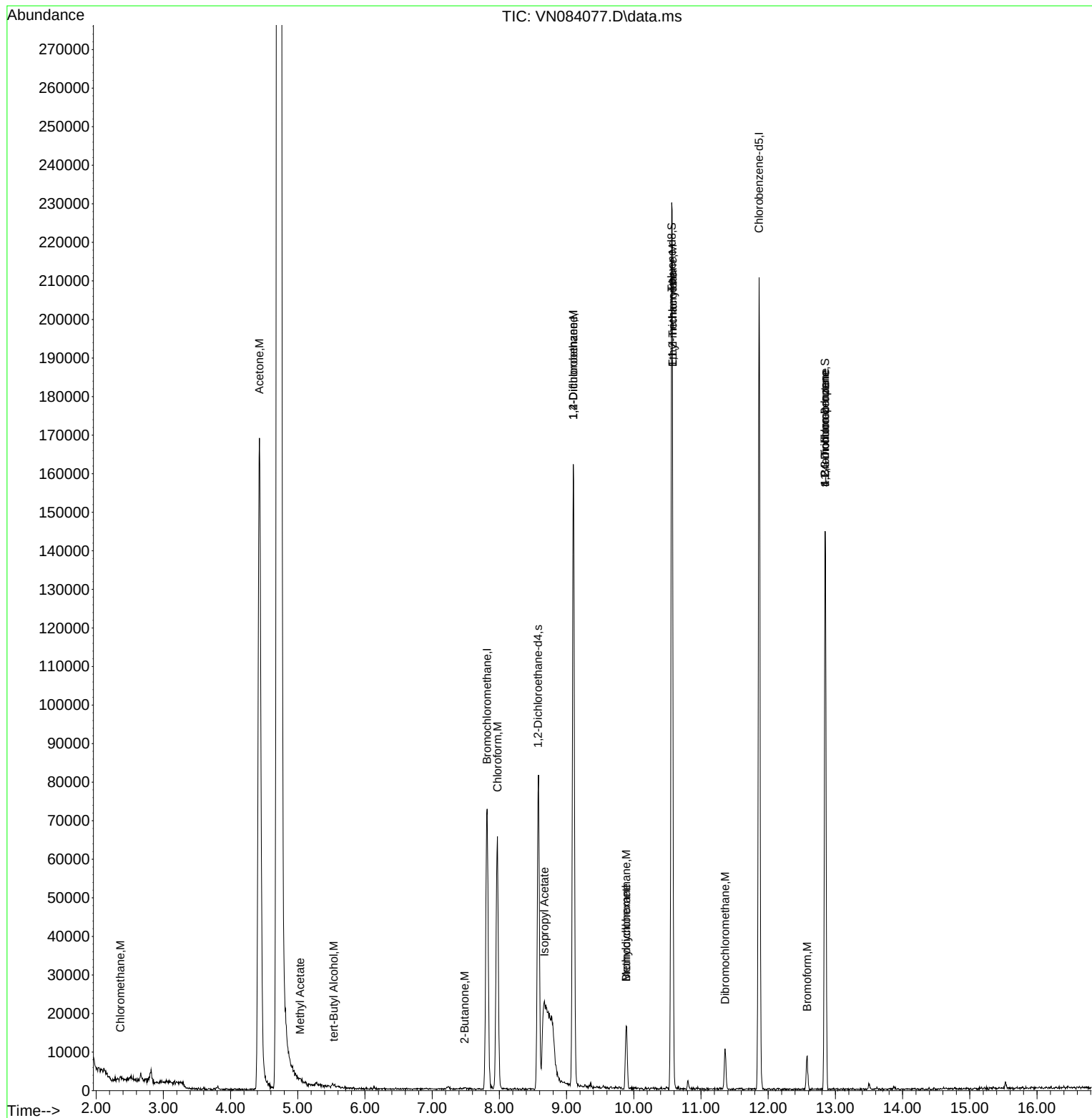
Internal Standards						
1) Bromochloromethane	7.818	128	24570	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130422	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	113197	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68979	30.714	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.367%
60) 4-Bromofluorobenzene	12.847	95	49954	25.605	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.367%
63) Toluene-d8	10.565	98	156068	29.776	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	355	0.208	ug/l #	43
12) Methyl Acetate	5.036	43	867	0.471	ug/l #	40
15) Acetone	4.430	58	95319	385.553	ug/l #	56
23) tert-Butyl Alcohol	5.536	59	159	0.581	ug/l #	100
25) Chloroform	7.971	83	61150	18.688	ug/l	100
30) 2-Butanone	7.483	43	251	0.257	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	5180	2.220	ug/l #	72
38) Methylcyclohexane	9.888	83	11904	4.806	ug/l #	19
41) Bromodichloromethane	9.888	83	11904	5.125	ug/l	93
44) Isopropyl Acetate	8.671	43	21569	6.354	ug/l #	45
50) 1,1,2-Trichloroethane	10.576	97	5099	3.669	ug/l #	1
51) Ethyl methacrylate	10.576	69	531	0.224	ug/l	75
53) Dibromochloromethane	11.359	129	5943	3.565	ug/l	98
56) Bromoform	12.582	173	4031	3.806	ug/l #	95
72) 1,2,3-Trichloropropane	12.847	75	27875	16.743	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27875	39.610	ug/l #	12

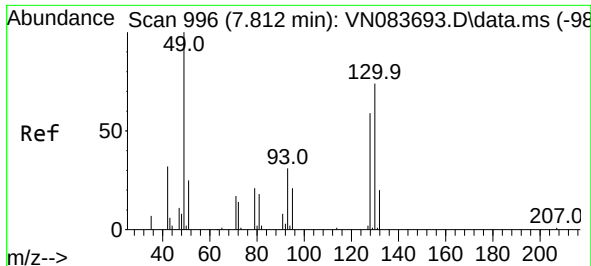
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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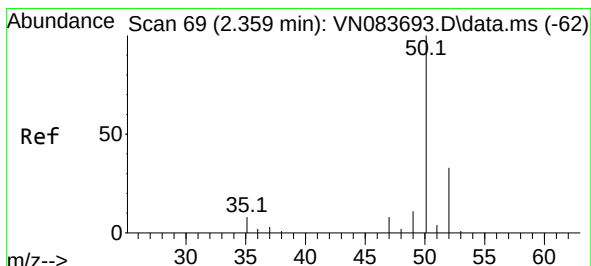
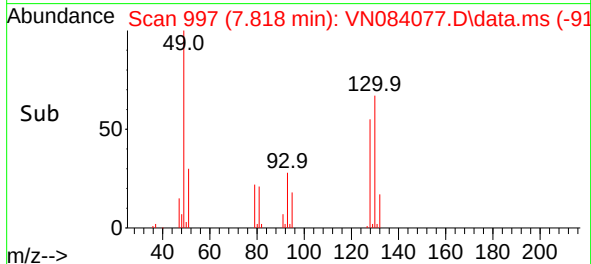
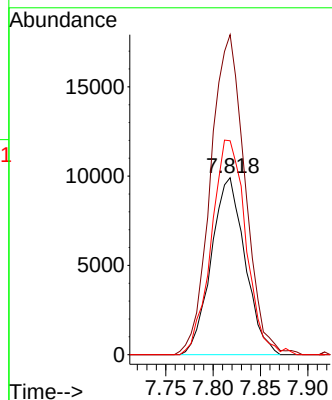
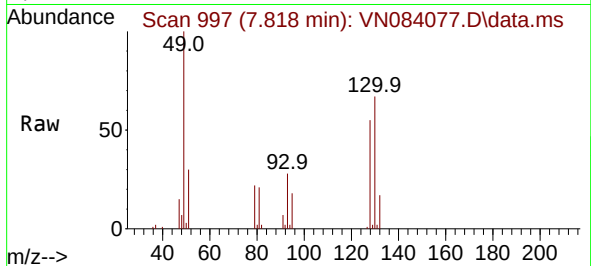




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

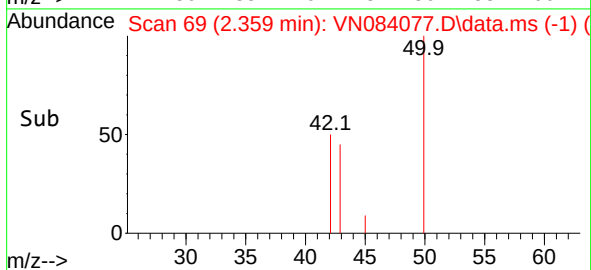
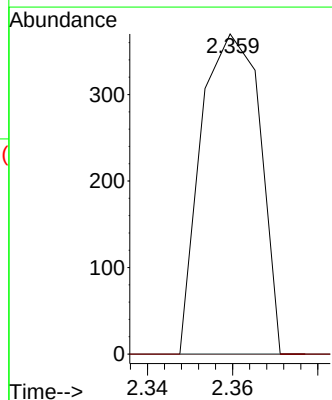
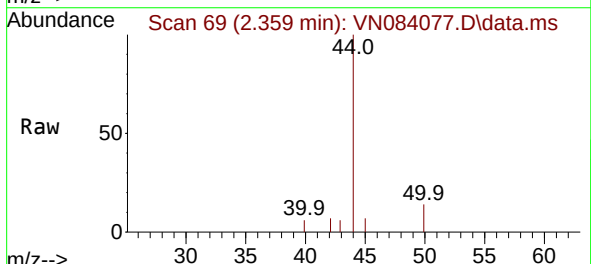
Instrument :
MSVOA_N
ClientSampleId :

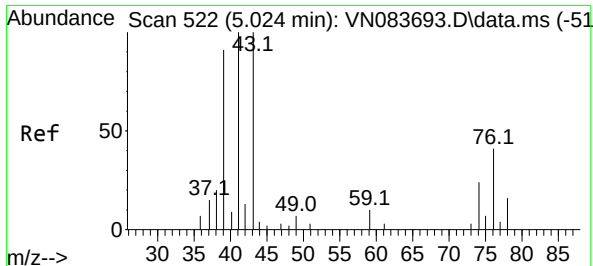
Tgt Ion:128 Resp: 24570
Ion Ratio Lower Upper
128 100
49 183.6 0.0 403.7
130 123.4 0.0 323.3



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 50 Resp: 355
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#





#12

Methyl Acetate

Concen: 0.471 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN084077.D

Acq: 20 Sep 2024 17:57

Instrument :

MSVOA_N

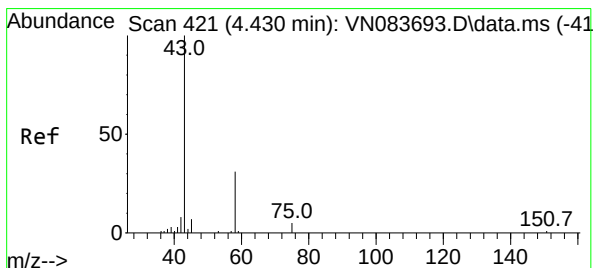
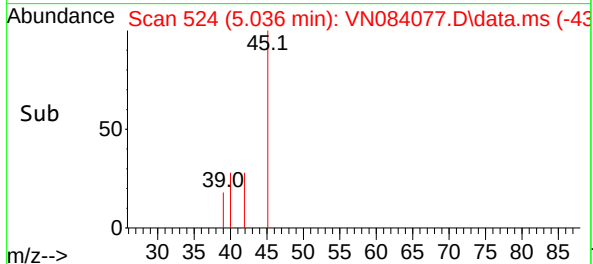
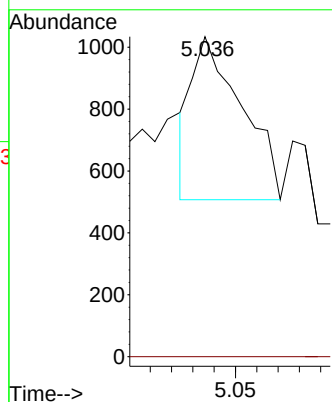
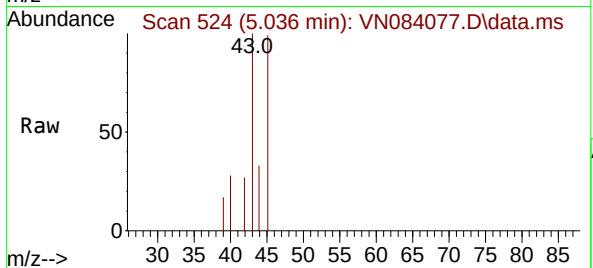
ClientSampleId :

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

74 0.0 27.7 41.5#



#15

Acetone

Concen: 385.553 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN084077.D

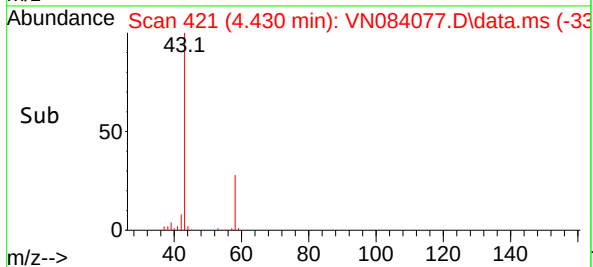
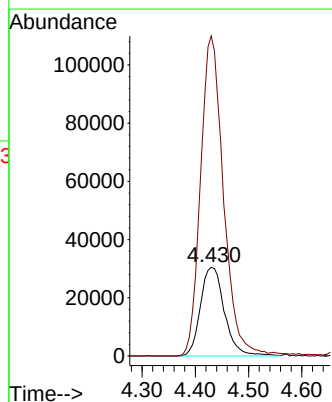
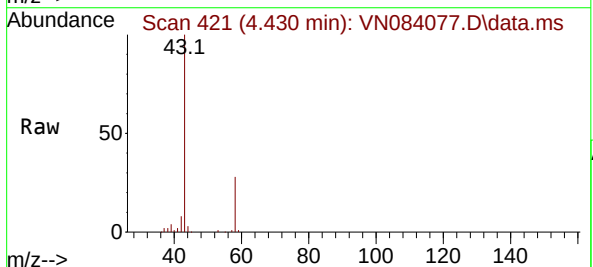
Acq: 20 Sep 2024 17:57

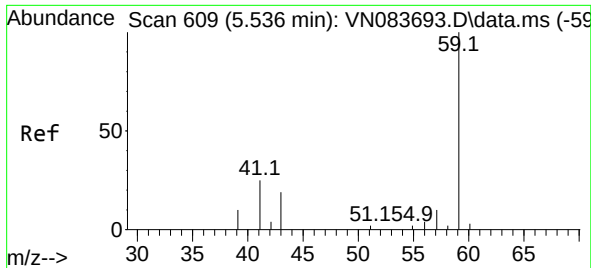
Tgt Ion: 58 Resp: 95319

Ion Ratio Lower Upper

58 100

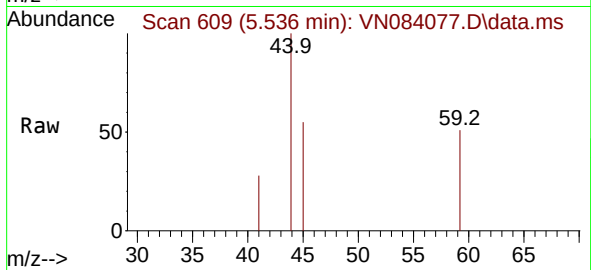
43 360.4 223.1 334.7#



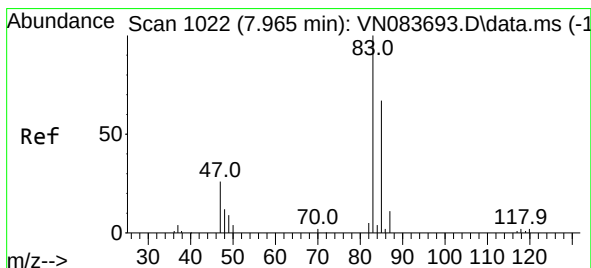
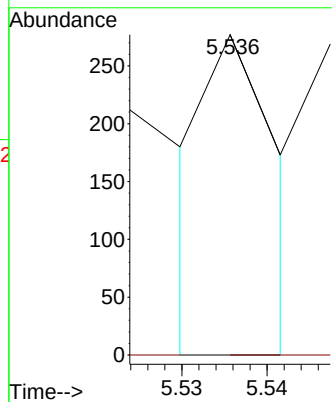
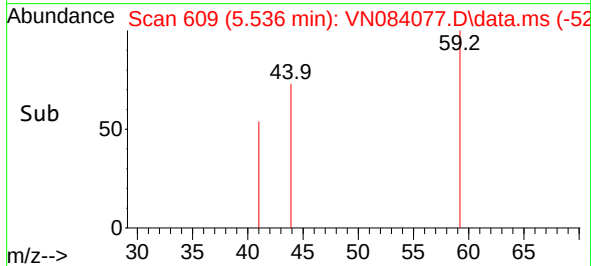


#23
tert-Butyl Alcohol
Concen: 0.581 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

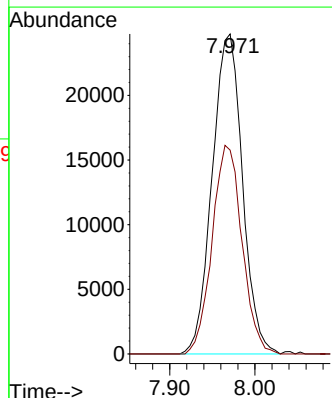
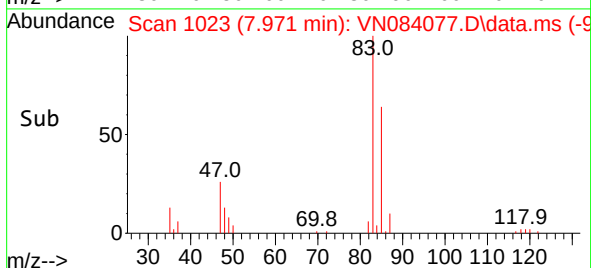
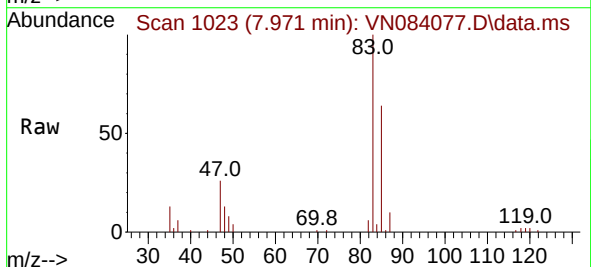


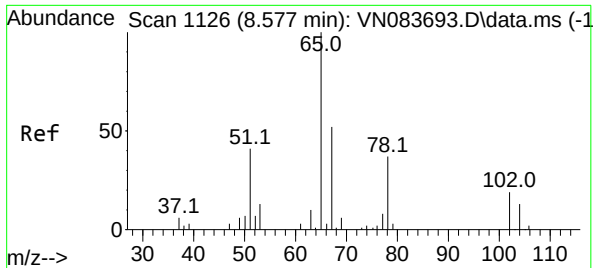
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 18.688 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 83 Resp: 61150
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3

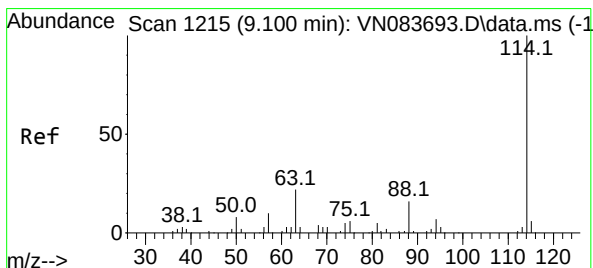
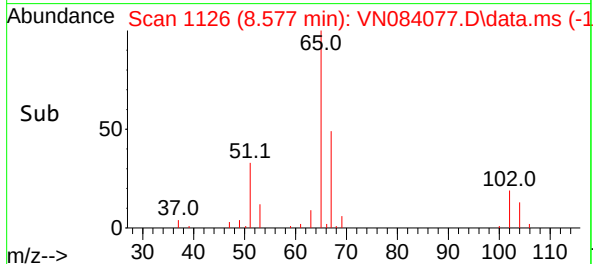
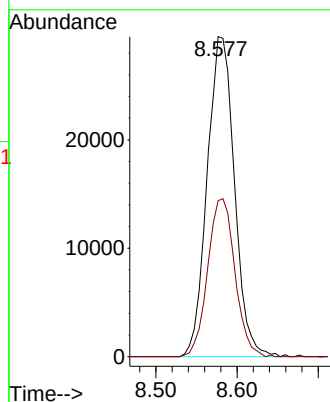
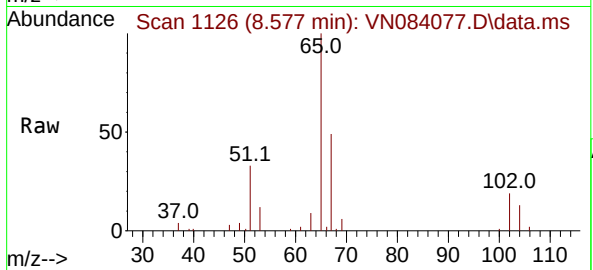




#27
1,2-Dichloroethane-d4
Concen: 30.714 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

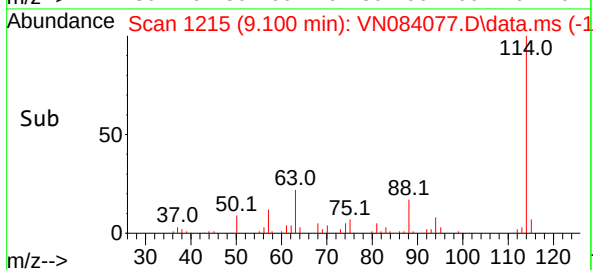
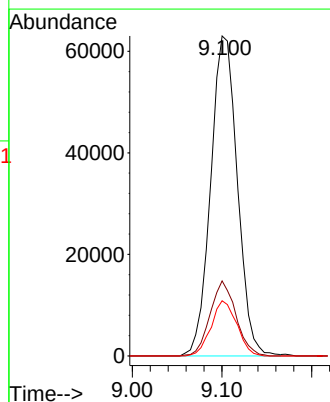
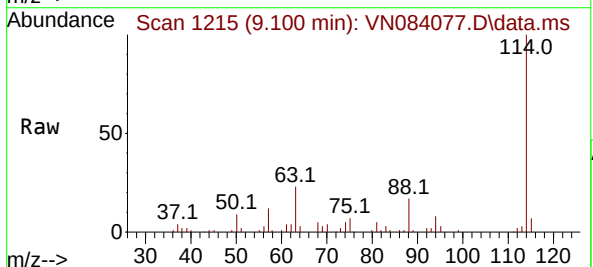
Instrument :
MSVOA_N
ClientSampleId :

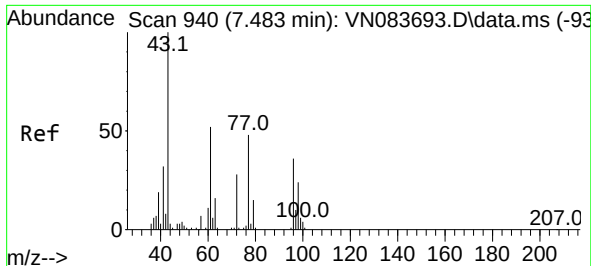
Tgt Ion: 65 Resp: 68979
Ion Ratio Lower Upper
65 100
67 49.2 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

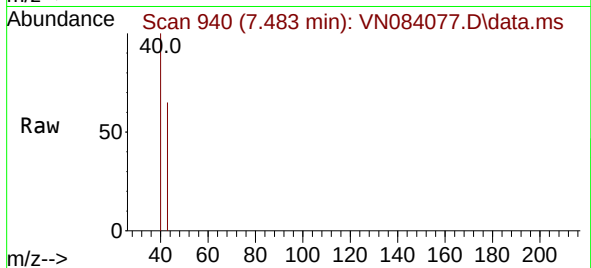
Tgt Ion: 114 Resp: 130422
Ion Ratio Lower Upper
114 100
63 22.6 15.9 23.9
88 16.6 12.7 19.1



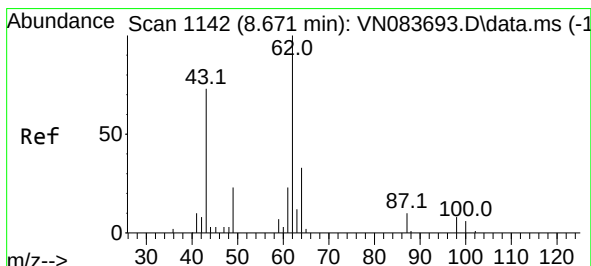
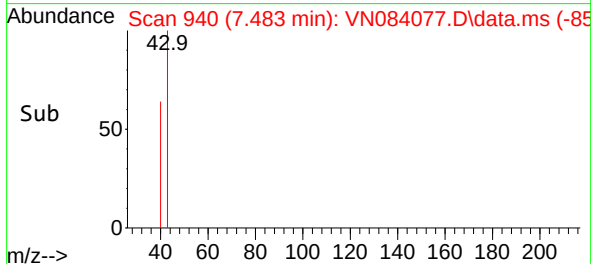
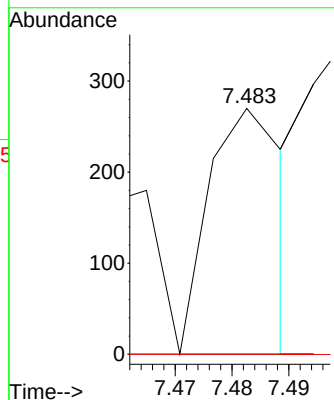


#30
2-Butanone
Concen: 0.257 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

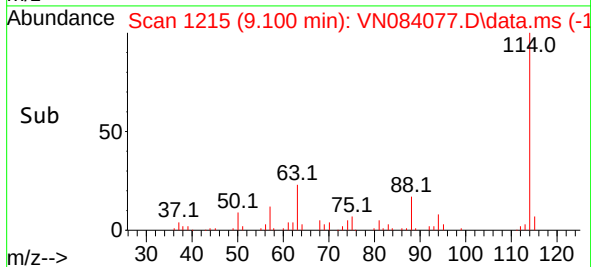
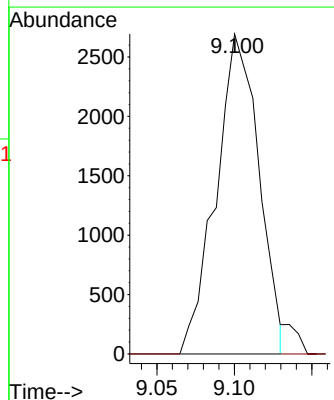
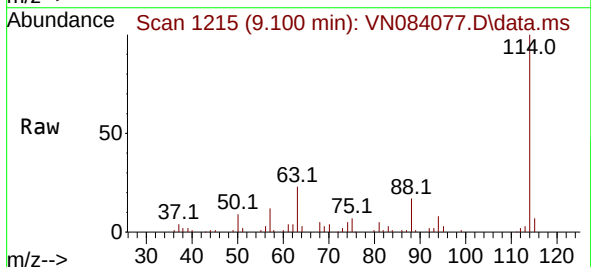


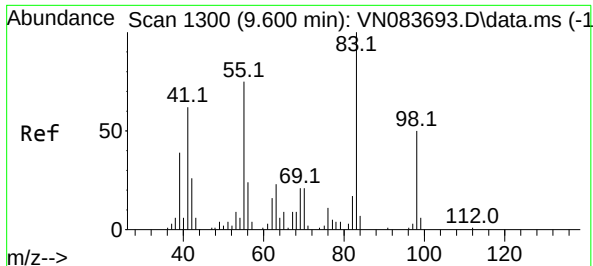
Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.220 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 62 Resp: 5180
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#38

Methylcyclohexane

Concen: 4.806 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.288 min

Lab File: VN084077.D

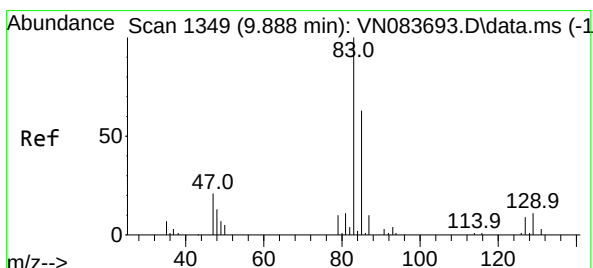
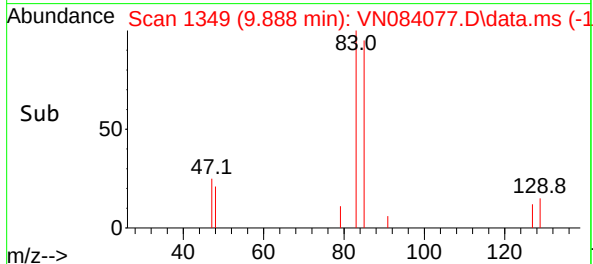
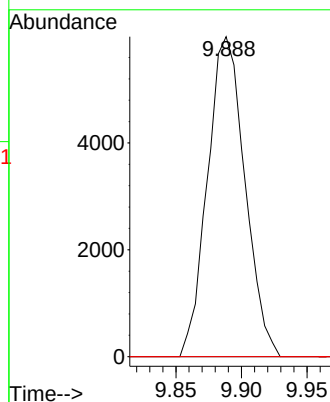
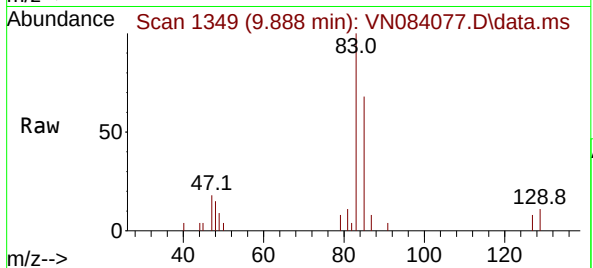
Acq: 20 Sep 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp: 11904
Ion Ratio	Lower Upper
83 100	
55 0.0	36.6 109.9#
98 0.0	23.8 71.5#



#41

Bromodichloromethane

Concen: 5.125 ug/l

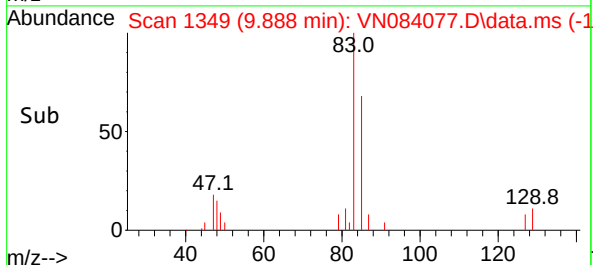
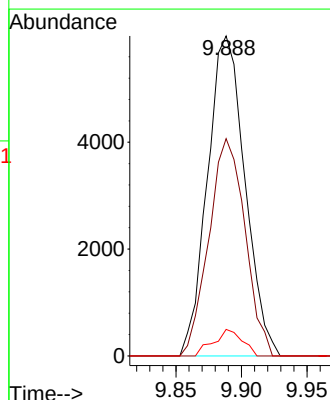
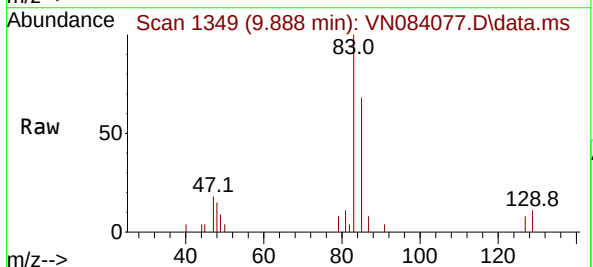
RT: 9.888 min Scan# 1349

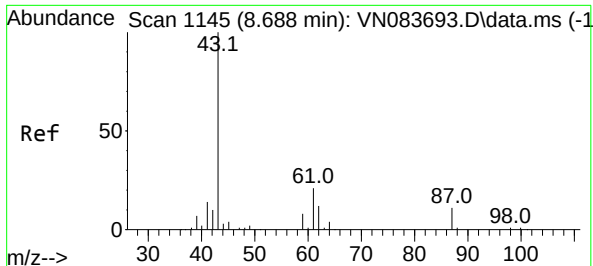
Delta R.T. 0.000 min

Lab File: VN084077.D

Acq: 20 Sep 2024 17:57

Tgt Ion: 83	Resp: 11904
Ion Ratio	Lower Upper
83 100	
85 67.9	49.4 74.2
127 8.3	7.3 10.9





#44

Isopropyl Acetate

Concen: 6.354 ug/l

RT: 8.671 min Scan# 1145

Delta R.T. -0.018 min

Lab File: VN084077.D

Acq: 20 Sep 2024 17:57

Instrument :

MSVOA_N

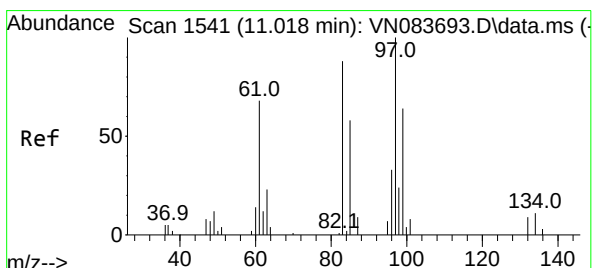
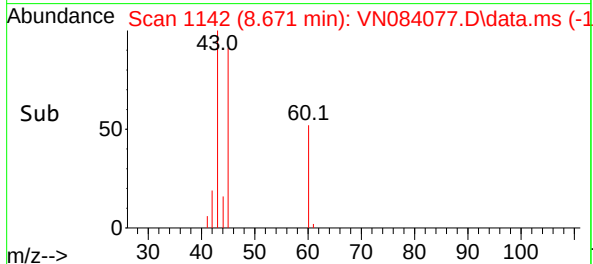
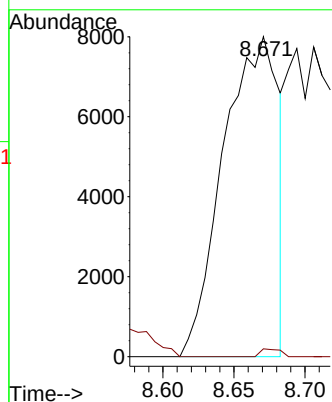
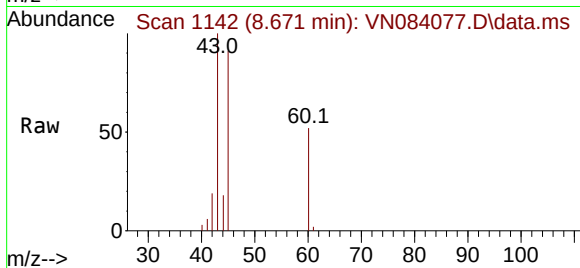
ClientSampleId :

Tgt Ion: 43 Resp: 21569

Ion Ratio Lower Upper

43 100

61 0.9 25.0 37.4#



#50

1,1,2-Trichloroethane

Concen: 3.669 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN084077.D

Acq: 20 Sep 2024 17:57

Tgt Ion: 97 Resp: 5099

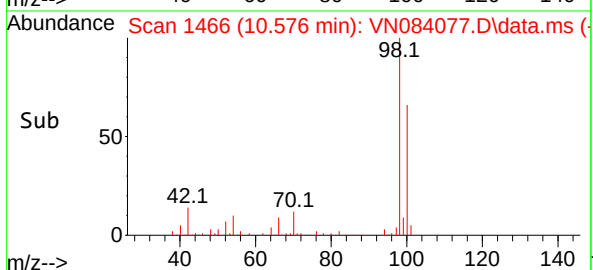
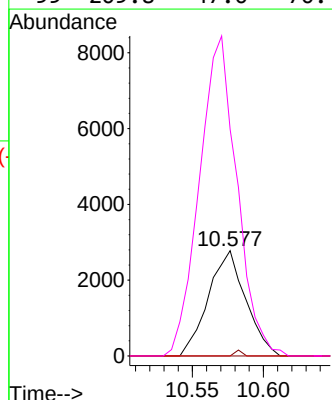
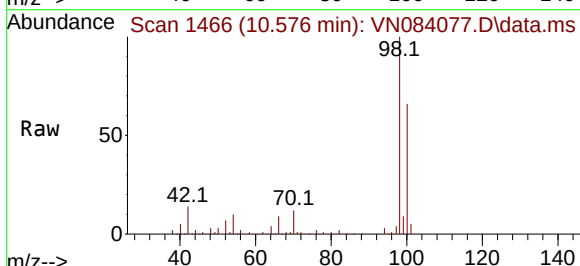
Ion Ratio Lower Upper

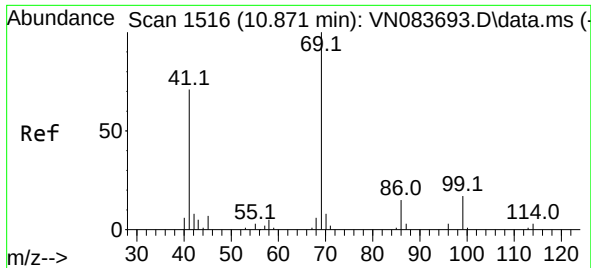
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 209.8 47.0 70.4#

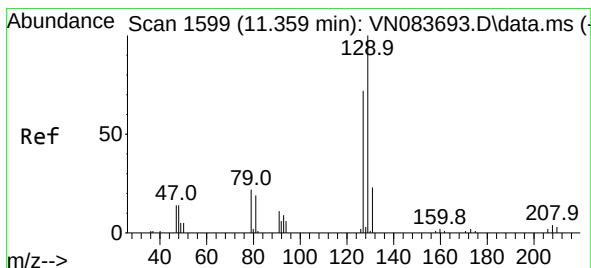
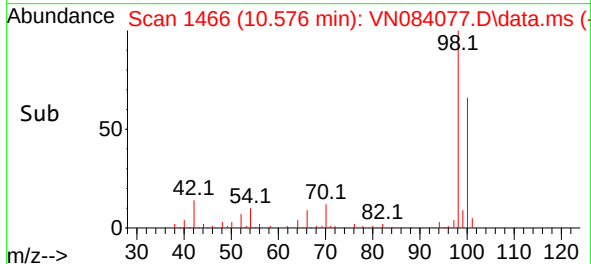
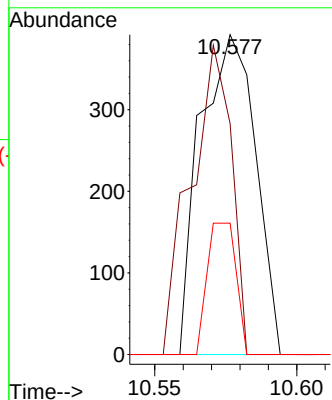
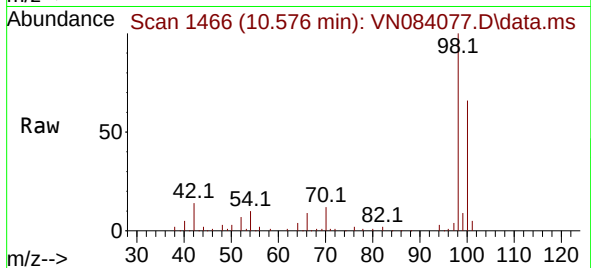




#51
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.294 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

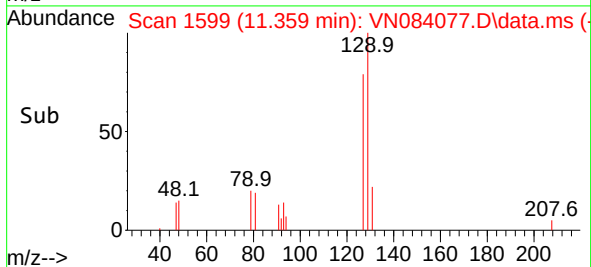
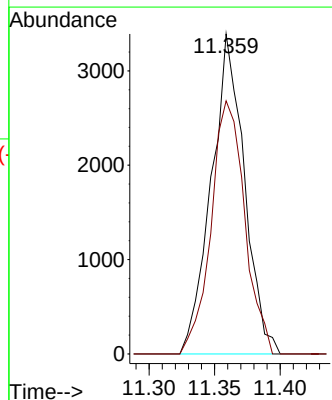
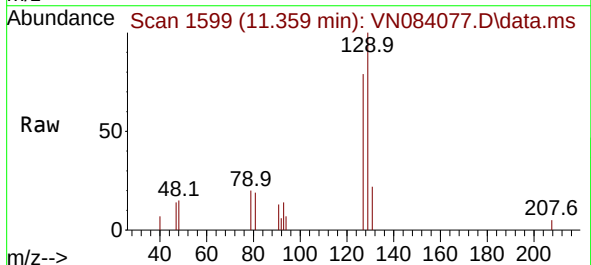
Instrument :
MSVOA_N
ClientSampleId :

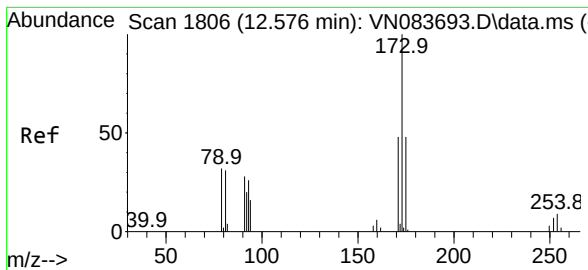
Tgt Ion: 69 Resp: 531
Ion Ratio Lower Upper
69 100
41 72.2 25.5 76.5
39 41.1 16.0 47.9



#53
Dibromochloromethane
Concen: 3.565 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 129 Resp: 5943
Ion Ratio Lower Upper
129 100
127 80.4 39.4 118.1

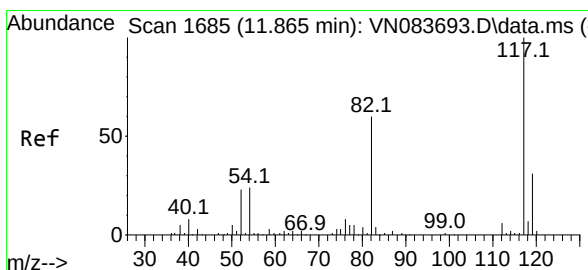
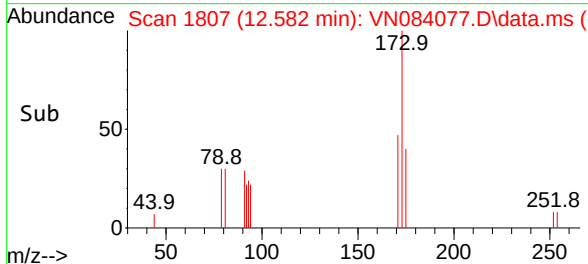
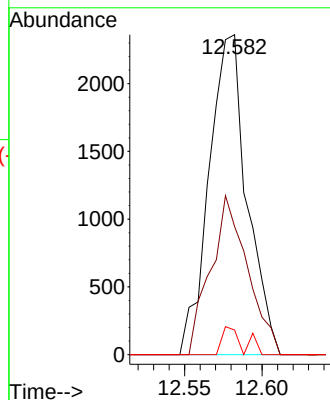
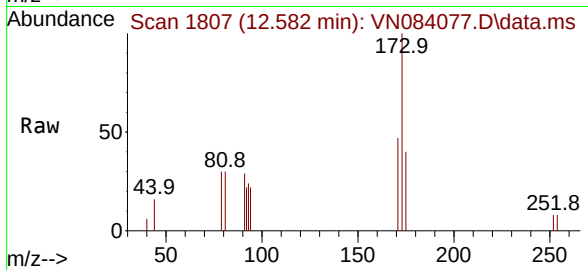




#56
Bromoform
Concen: 3.806 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

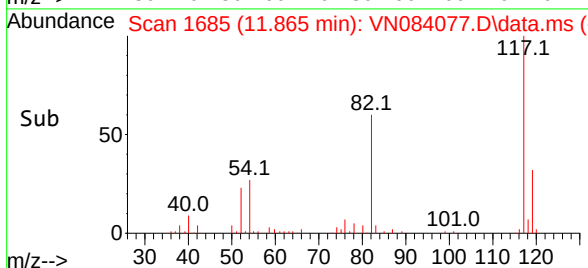
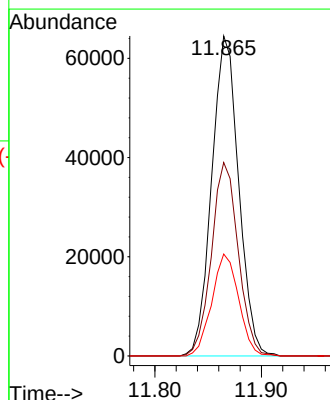
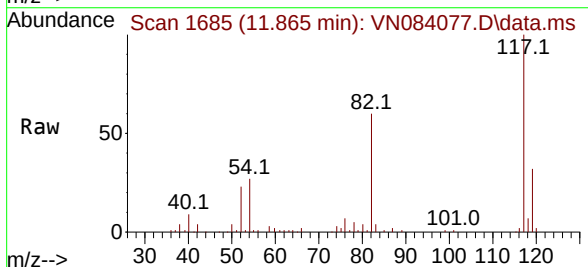
Instrument :
MSVOA_N
ClientSampleId :

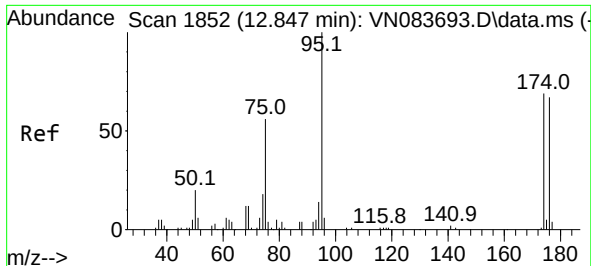
Tgt Ion:173 Resp: 4031
Ion Ratio Lower Upper
173 100
175 48.3 40.0 60.0
254 3.4 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion:117 Resp: 113197
Ion Ratio Lower Upper
117 100
82 60.1 46.6 69.8
119 31.7 25.4 38.2

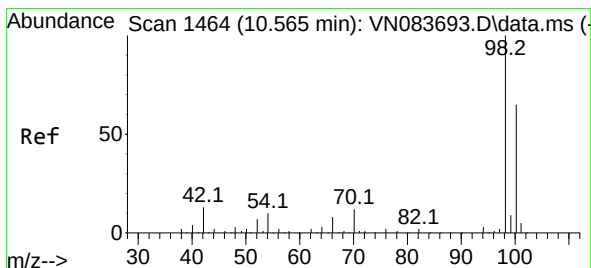
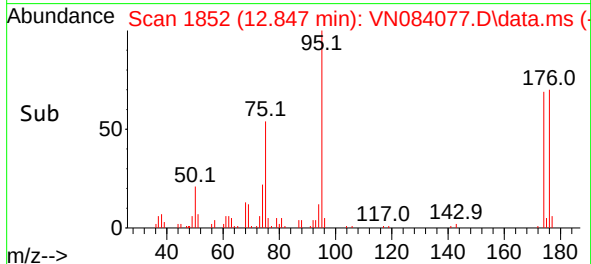
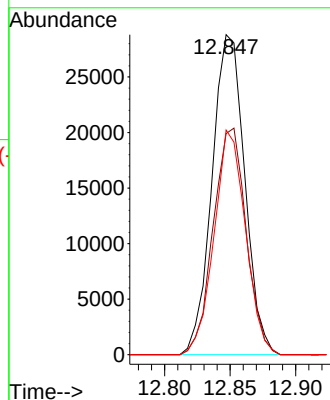
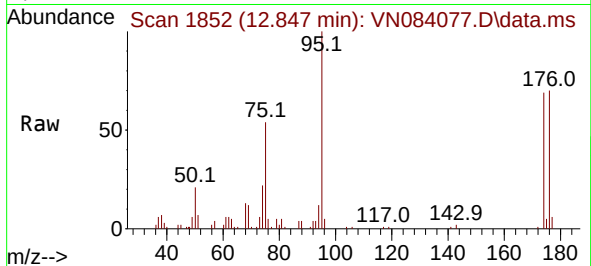




#60
4-Bromofluorobenzene
Concen: 25.605 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

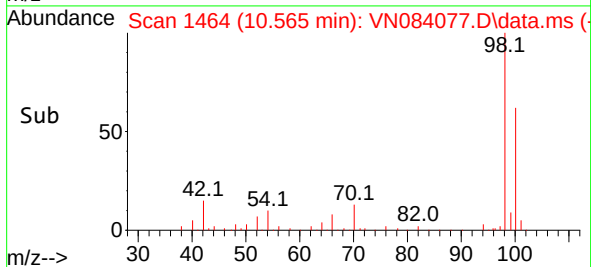
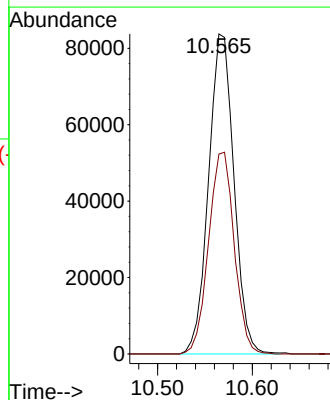
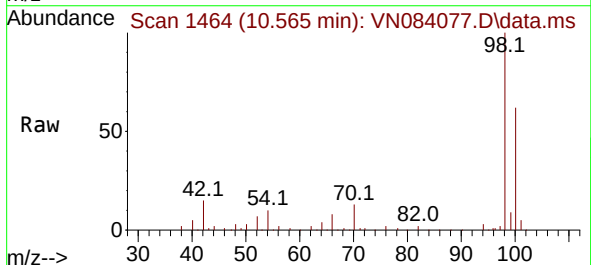
Instrument :
MSVOA_N
ClientSampleId :

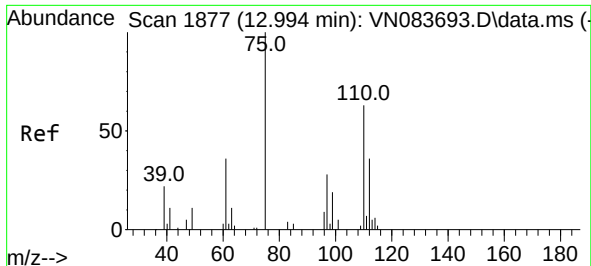
Tgt Ion: 95 Resp: 49954
Ion Ratio Lower Upper
95 100
174 71.3 60.5 90.7
176 67.4 57.8 86.6



#63
Toluene-d8
Concen: 29.776 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 98 Resp: 156068
Ion Ratio Lower Upper
98 100
100 63.7 52.7 79.1

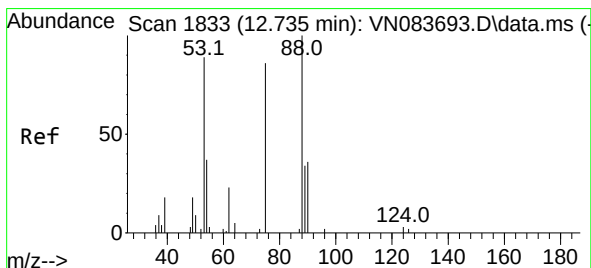
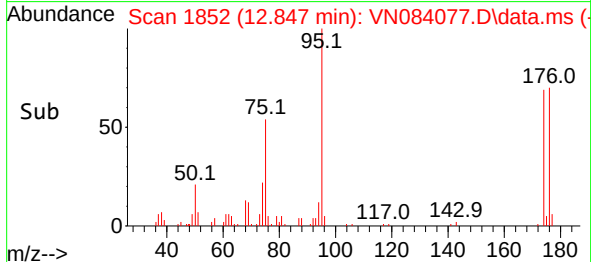
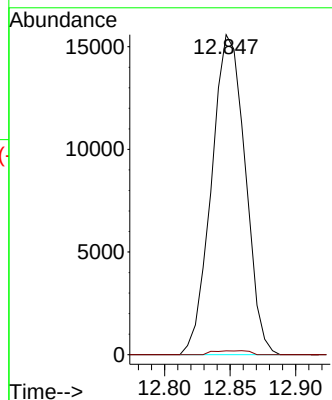
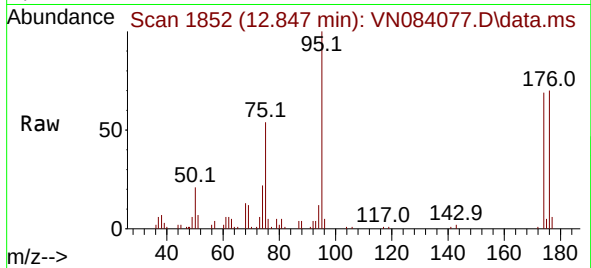




#72
1,2,3-Trichloropropane
Concen: 16.743 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27875
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 39.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084077.D
Acq: 20 Sep 2024 17:57

Tgt Ion: 75 Resp: 27875
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

