

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085543.D
 Acq On : 28 Jan 2025 17:01
 Operator : JC\MD
 Sample : PB166233ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

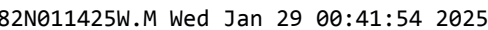
Instrument :
 MSVOA_N
 ClientSampleId :

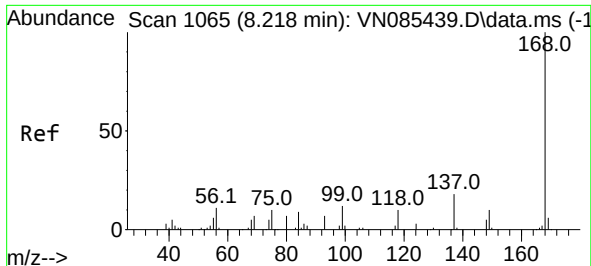
Quant Time: Jan 29 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150448	57.261	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.520%	
35) Dibromofluoromethane	8.165	113	111289	50.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.500%	
50) Toluene-d8	10.565	98	411098	52.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.847	95	121624	45.185	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.360%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	483	0.202	ug/l	88
16) Acetone	4.430	43	58527	68.942	ug/l	94
18) Methyl Acetate	5.030	43	1813	0.702	ug/l #	69
20) Methylene Chloride	5.283	84	2614	1.244	ug/l #	81
25) 2-Butanone	7.488	43	6162	4.932	ug/l	100
29) Tetrahydrofuran	7.835	42	159	0.201	ug/l #	34
30) Chloroform	7.965	83	1541	0.389	ug/l	87
31) Cyclohexane	8.224	56	4786	1.435	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	15155	4.876	ug/l #	51
37) Ethyl Acetate	7.553	43	2974	0.948	ug/l #	77
38) Carbon Tetrachloride	8.224	117	17690	4.971	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	728	0.207	ug/l #	76
43) Isopropyl Acetate	8.688	43	157501	31.330	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1523	0.638	ug/l #	43
48) Methyl methacrylate	9.741	41	130647	57.749	ug/l #	45
49) 1,4-Dioxane	9.741	88	63	1.654	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12864	4.410	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	885	0.267	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	40324	11.391	ug/l #	69
56) Ethyl methacrylate	10.982	69	2105	2.492	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5670	1.523	ug/l #	43
59) 2-Hexanone	11.200	43	77218	37.619	ug/l #	57
71) Bromoform	12.847	173	850	0.493	ug/l #	1
74) N-amyl acetate	12.488	43	852	0.262	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	67087	30.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67087	83.353	ug/l #	3

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

Quant Time: Jan 29 00:41:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
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QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

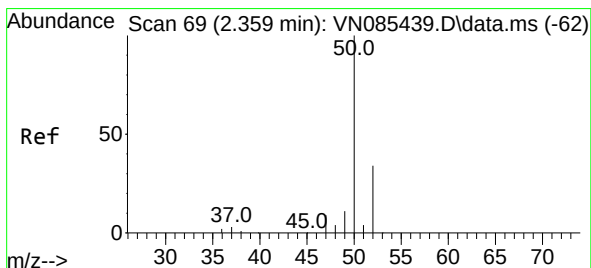
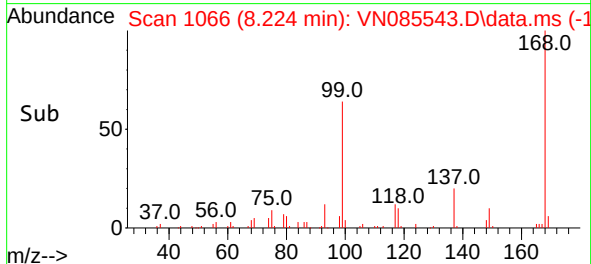
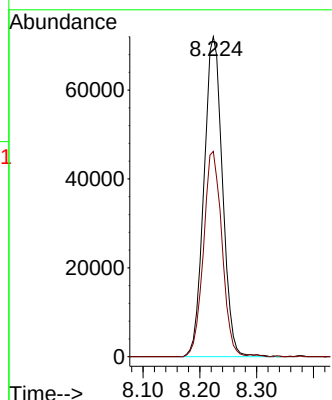
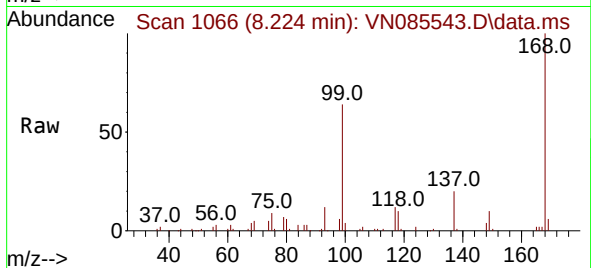




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

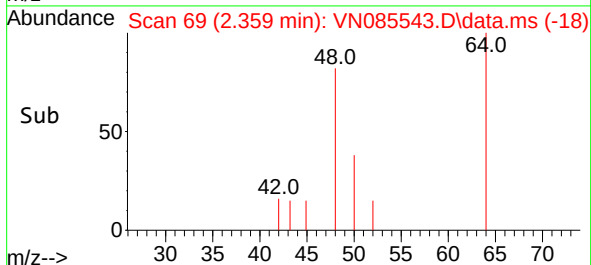
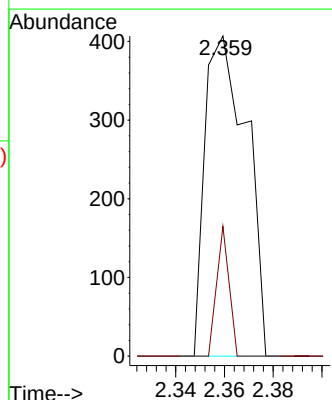
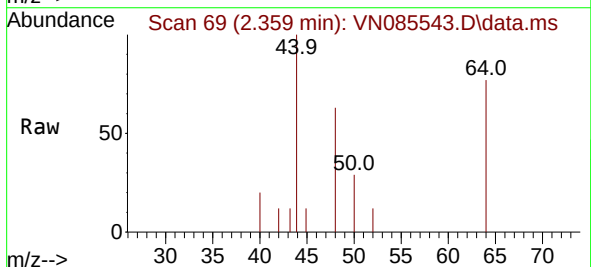
Instrument :
MSVOA_N
ClientSampleId :

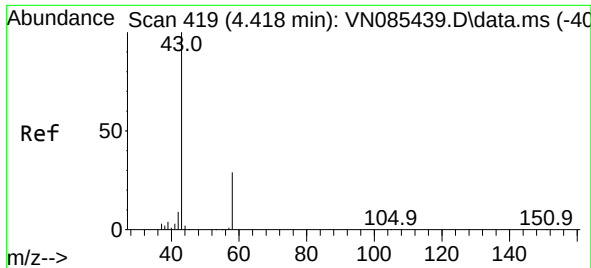
Tgt Ion:168 Resp: 162767
Ion Ratio Lower Upper
168 100
99 64.1 53.6 80.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 40.5 27.0 40.6

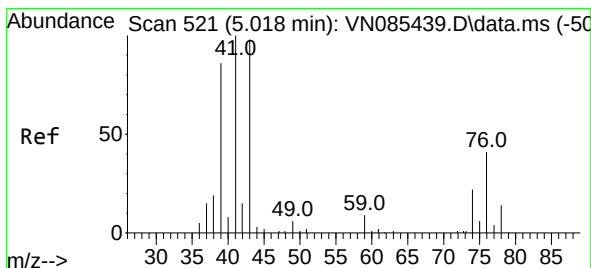
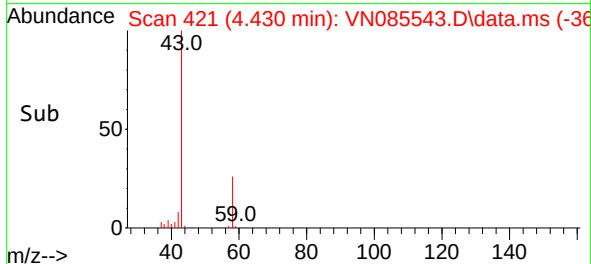
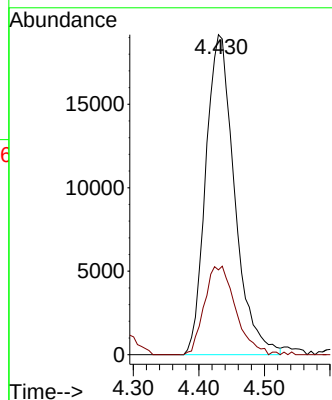
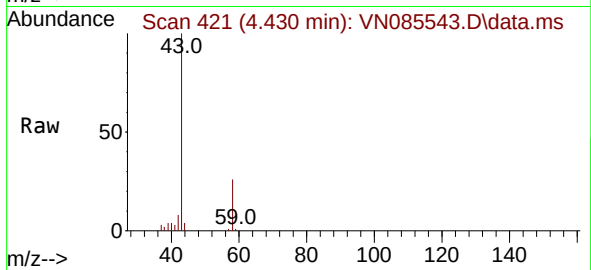




#16
Acetone
Concen: 68.942 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

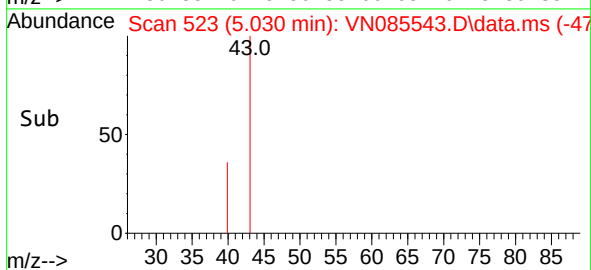
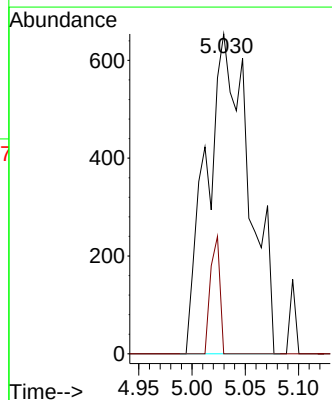
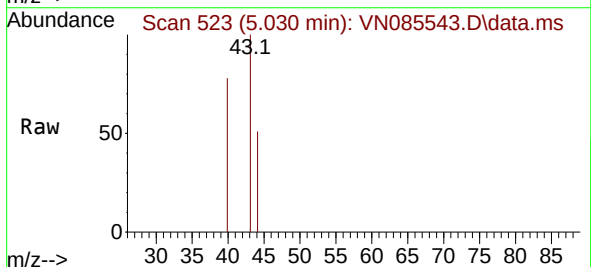
Instrument :
MSVOA_N
ClientSampleId :

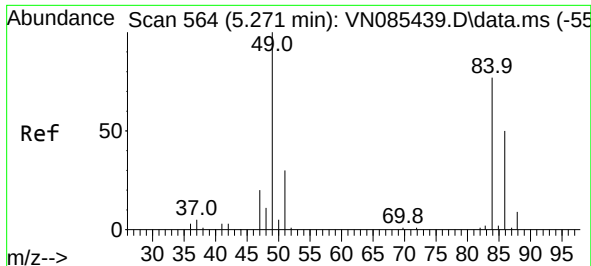
Tgt Ion: 43 Resp: 58527
Ion Ratio Lower Upper
43 100
58 26.5 23.8 35.6



#18
Methyl Acetate
Concen: 0.702 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

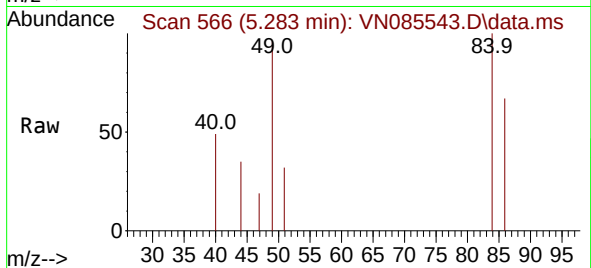
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
74 8.2 18.6 28.0#



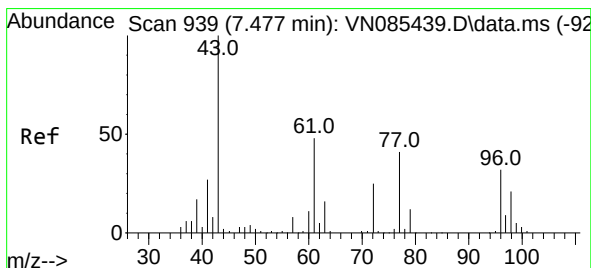
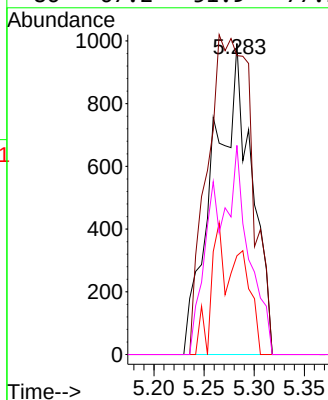
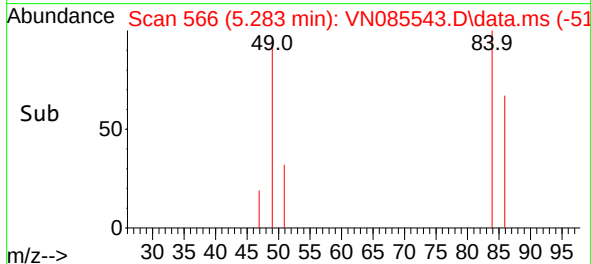


#20
Methylene Chloride
Concen: 1.244 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :

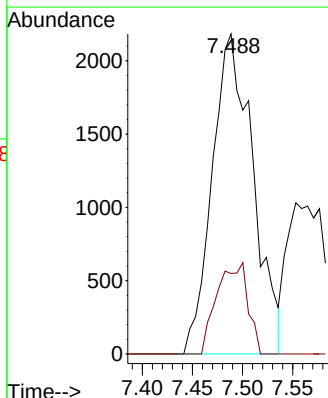
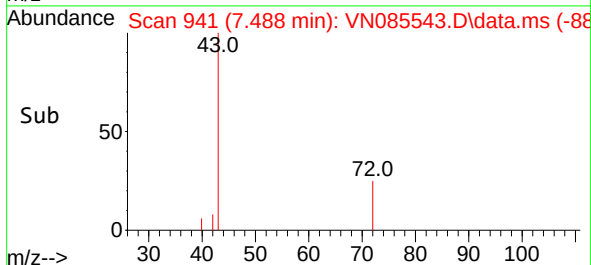
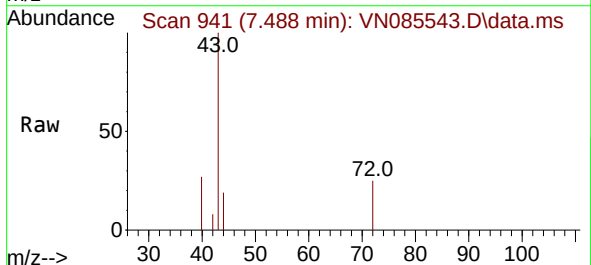


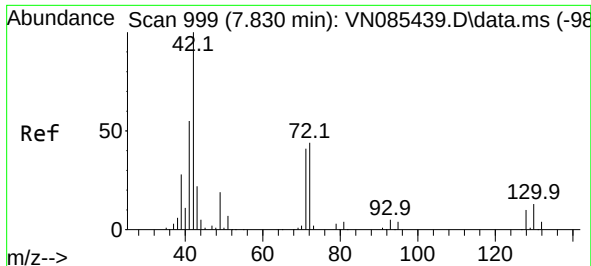
Tgt Ion:	84	Resp:	2614
Ion	Ratio	Lower	Upper
84	100		
49	96.1	104.1	156.1#
51	31.8	31.0	46.4
86	67.2	51.9	77.9



#25
2-Butanone
Concen: 4.932 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion:	43	Resp:	6162
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.006 min

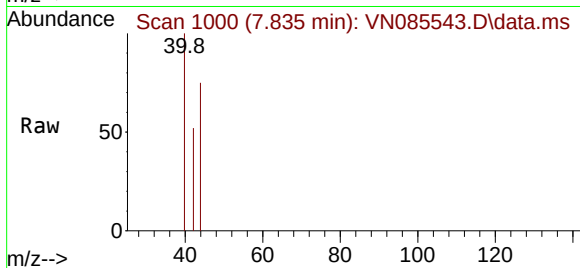
Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

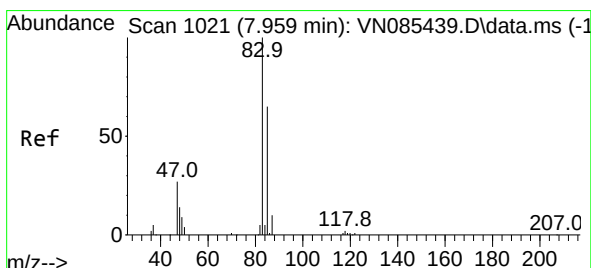
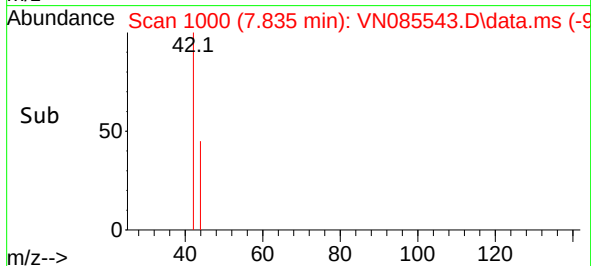
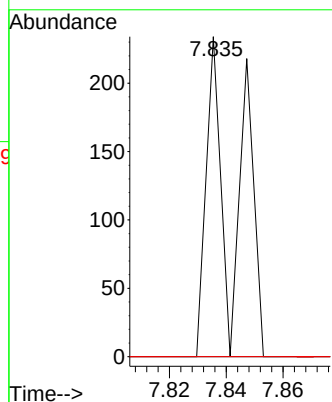
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	159
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.389 ug/l

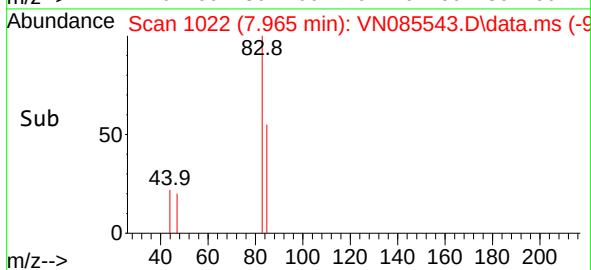
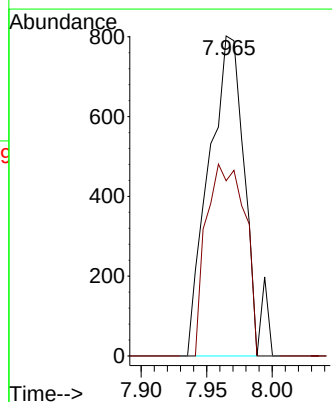
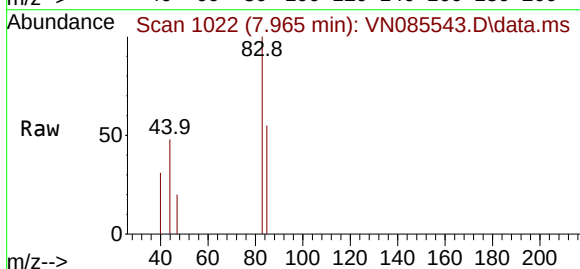
RT: 7.965 min Scan# 1022

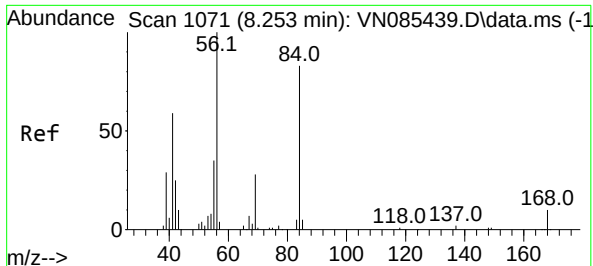
Delta R.T. 0.006 min

Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

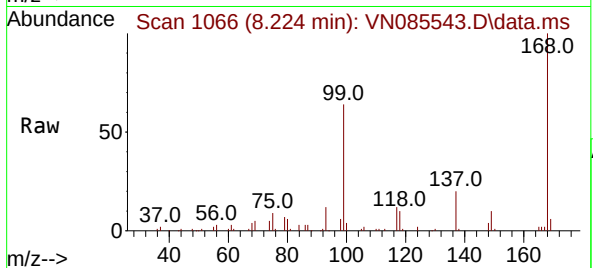
Tgt Ion:	83	Resp:	1541
Ion	Ratio	Lower	Upper
83	100		
85	54.7	51.8	77.6



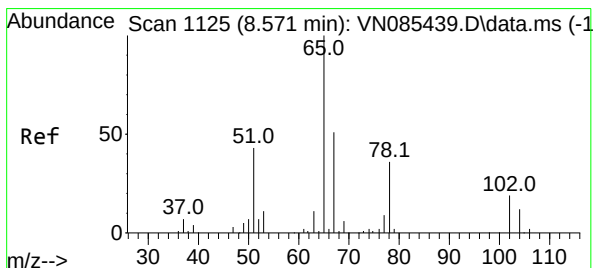
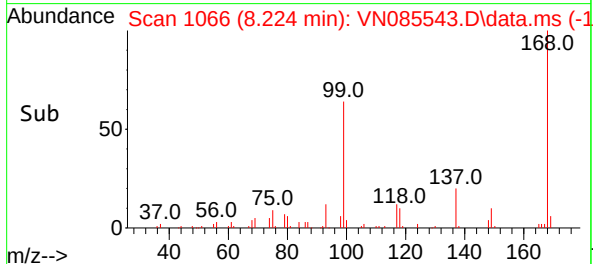
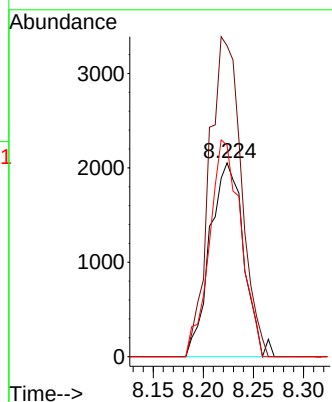


#31
Cyclohexane
Concen: 1.435 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :

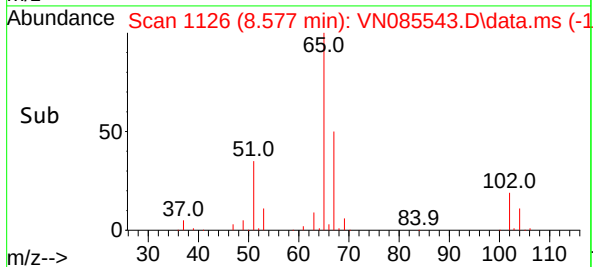
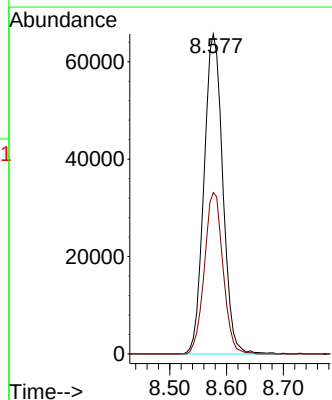
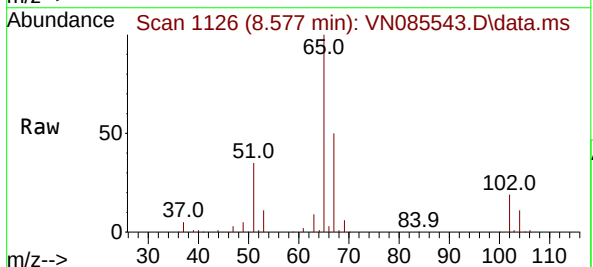


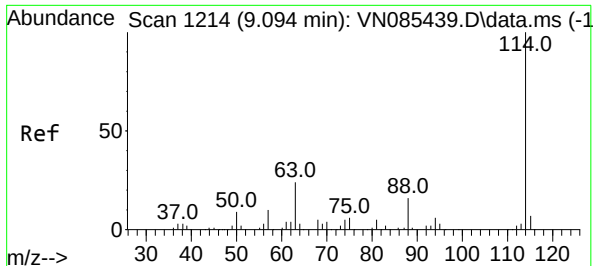
Tgt Ion: 56 Resp: 4786
Ion Ratio Lower Upper
56 100
69 160.5 22.2 33.4#
84 109.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.261 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 65 Resp: 150448
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

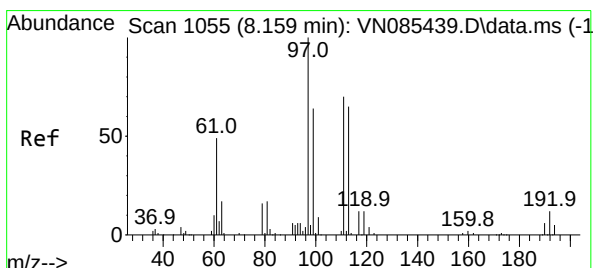
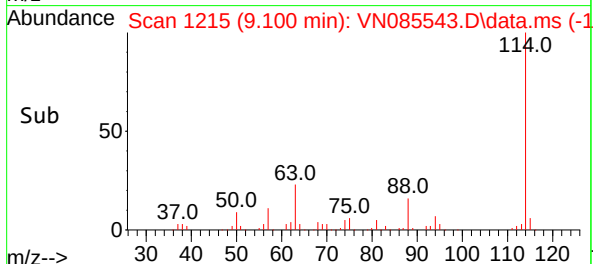
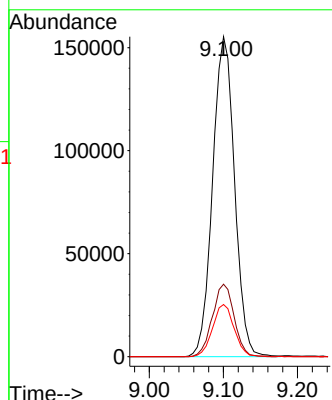
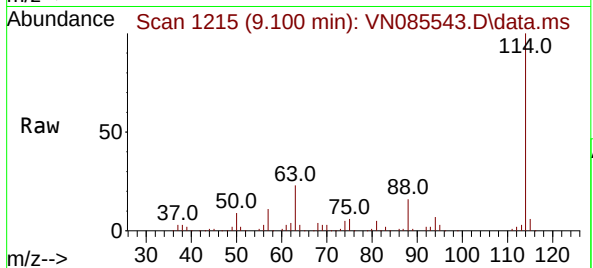
Tgt Ion:114 Resp: 319233

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.250 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

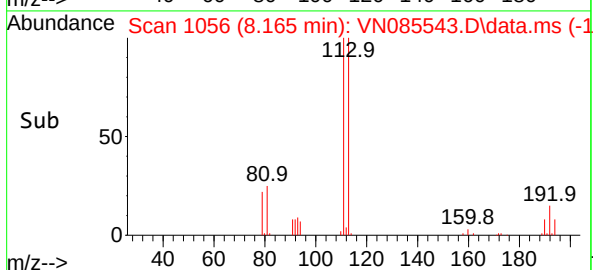
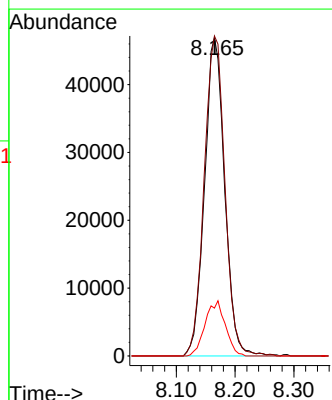
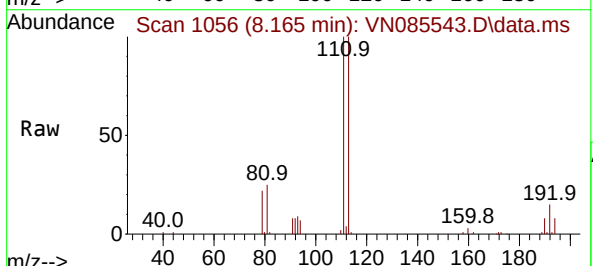
Tgt Ion:113 Resp: 111289

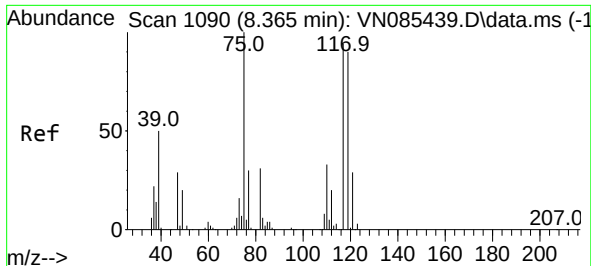
Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

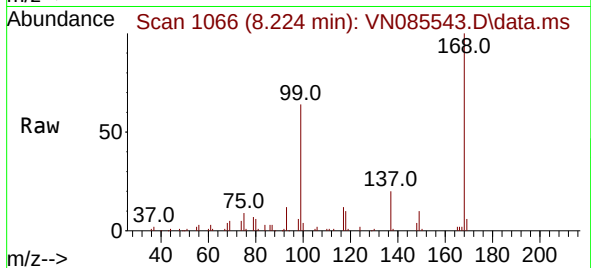
192 17.4 14.3 21.5



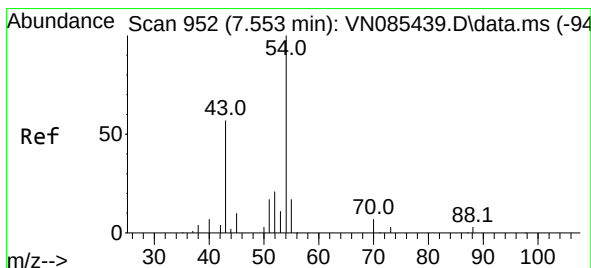
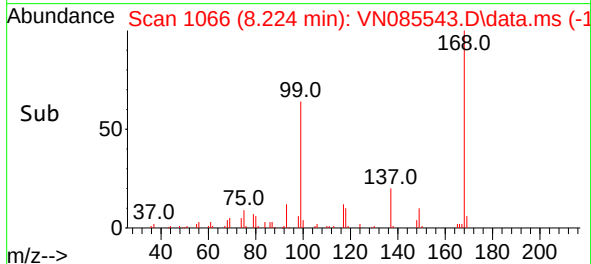
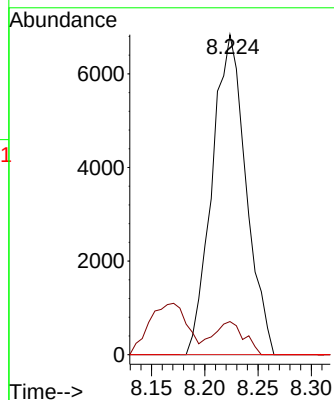


#36
1,1-Dichloropropene
Concen: 4.876 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :

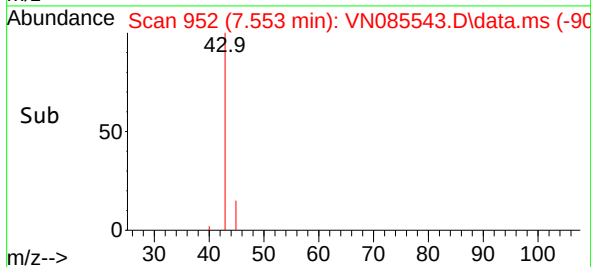
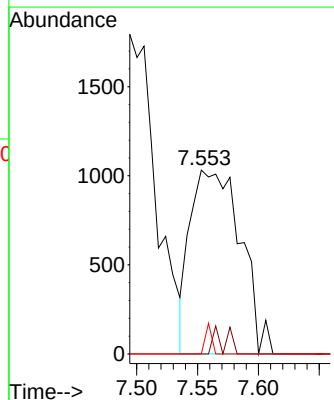
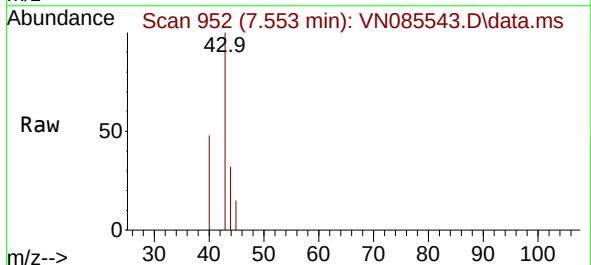


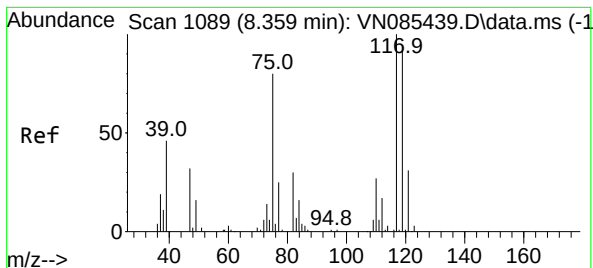
Tgt Ion: 75 Resp: 15155
Ion Ratio Lower Upper
75 100
110 8.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.948 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.000 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 43 Resp: 2974
Ion Ratio Lower Upper
43 100
61 3.6 10.9 16.3#
70 2.1 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 4.971 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

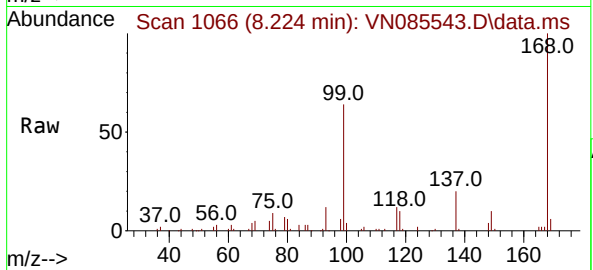
Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :



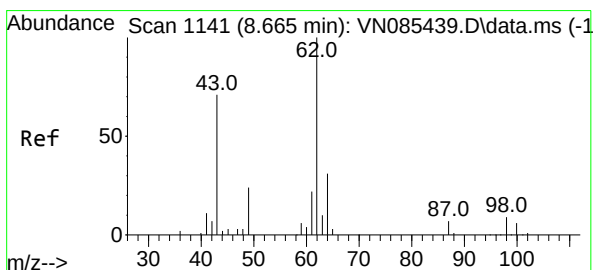
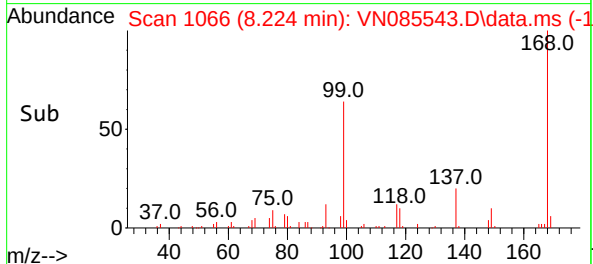
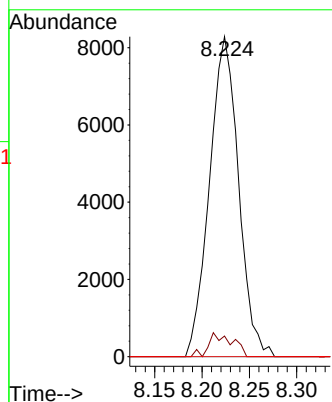
Tgt Ion:117 Resp: 17690

Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.2#

121 0.0 24.6 37.0#



#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085543.D

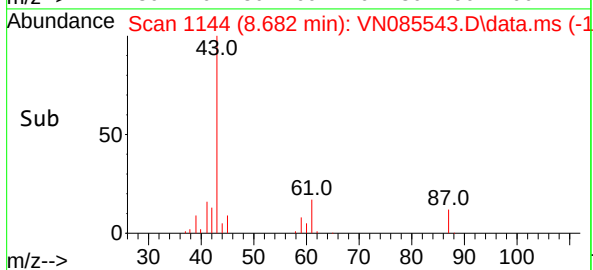
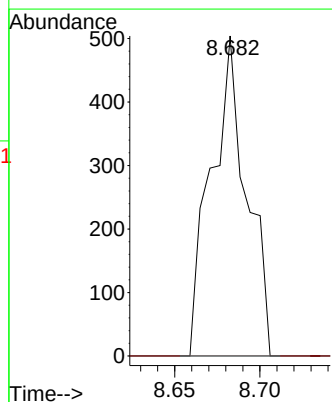
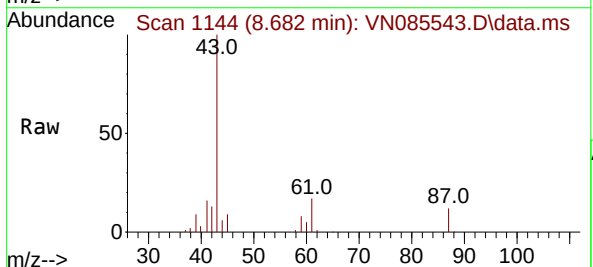
Acq: 28 Jan 2025 17:01

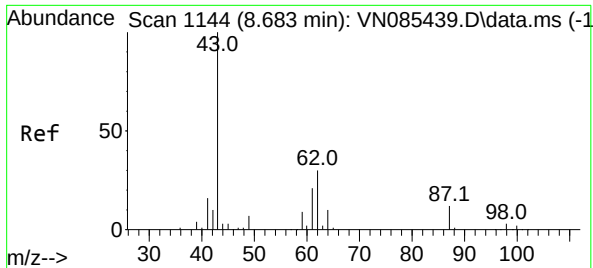
Tgt Ion: 62 Resp: 728

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0

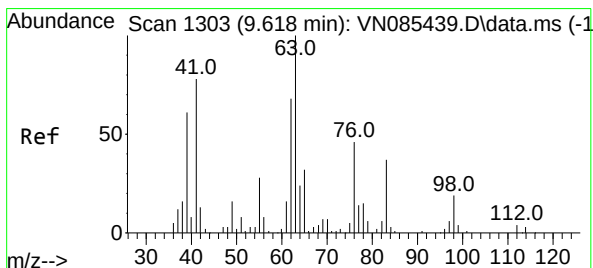
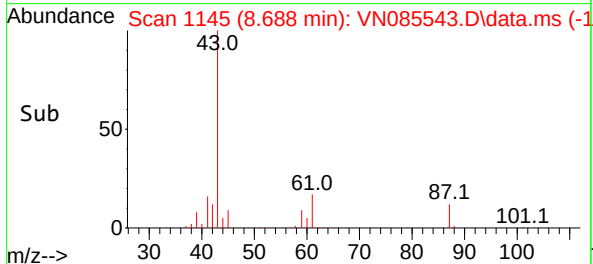
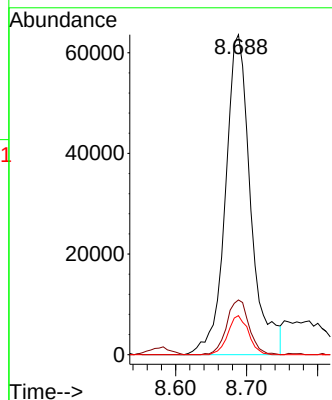
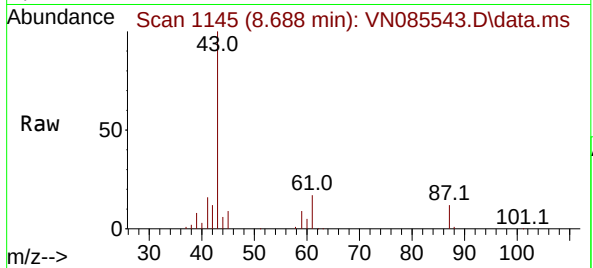




#43
Isopropyl Acetate
Concen: 31.330 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

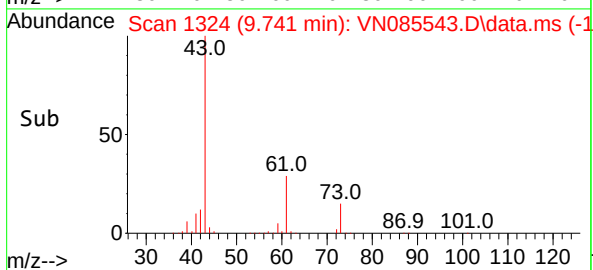
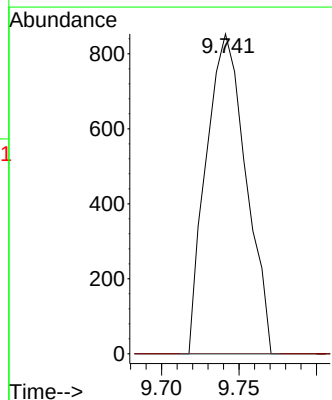
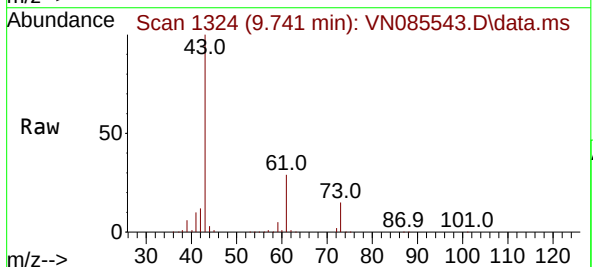
Instrument :
MSVOA_N
ClientSampleId :

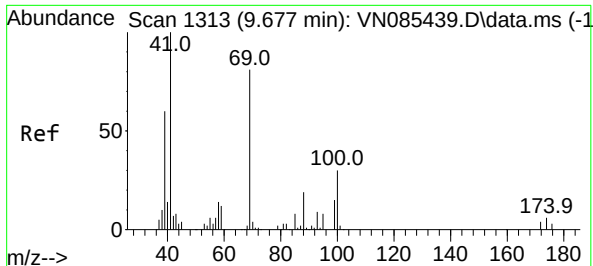
Tgt Ion: 43 Resp: 157501
Ion Ratio Lower Upper
43 100
61 15.2 20.7 31.1#
87 9.9 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.638 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 63 Resp: 1523
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 57.749 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

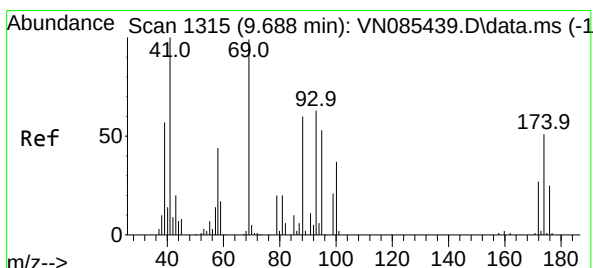
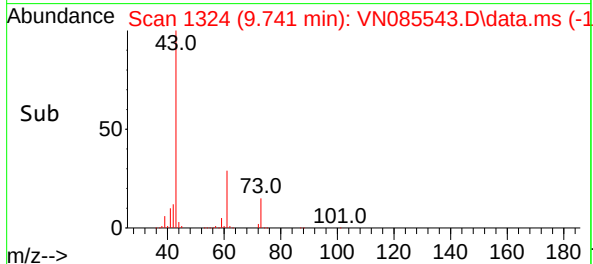
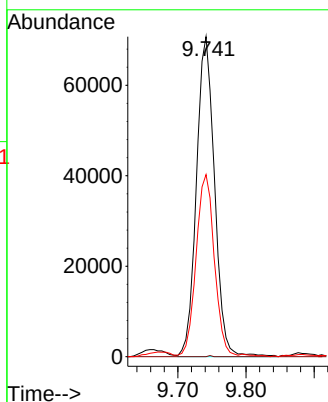
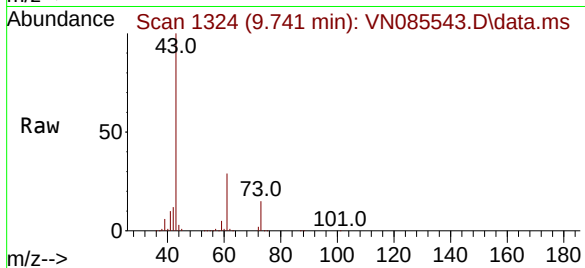
Tgt Ion: 41 Resp: 130647

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 56.3 49.0 73.6



#49

1,4-Dioxane

Concen: 1.654 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085543.D

Acq: 28 Jan 2025 17:01

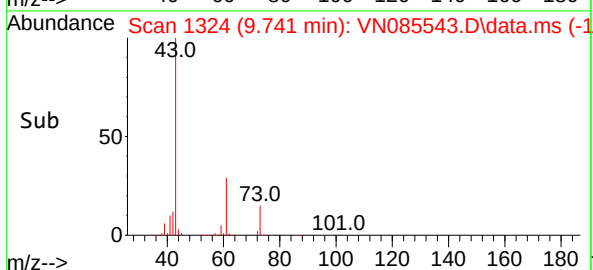
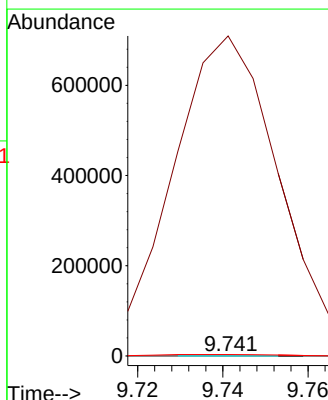
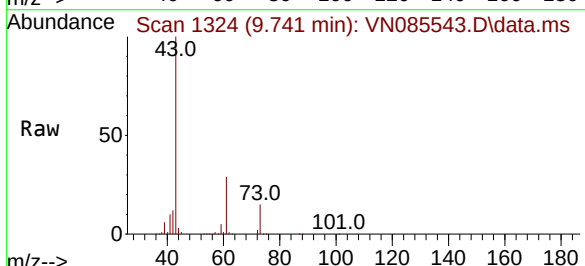
Tgt Ion: 88 Resp: 63

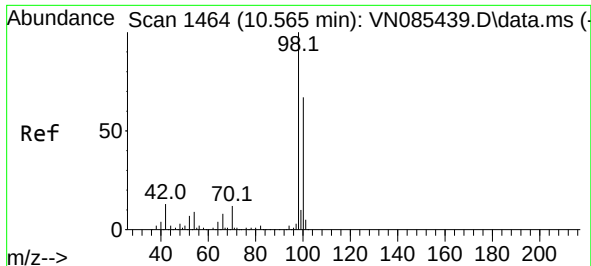
Ion Ratio Lower Upper

88 100

43 2012466.7 26.6 39.8#

58 11188.9 59.5 89.3#

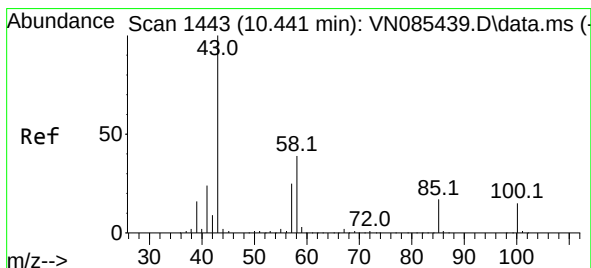
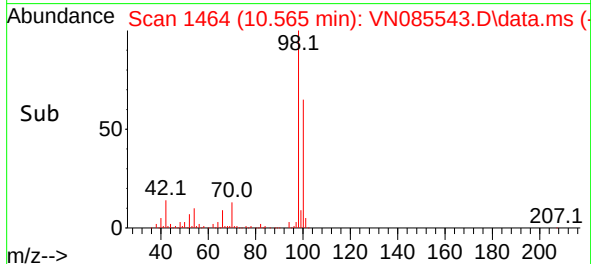
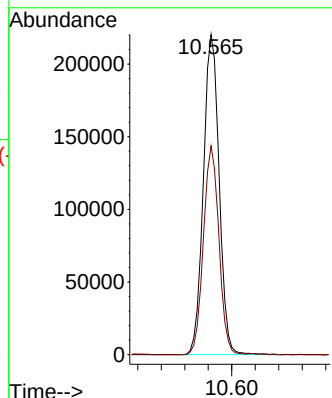
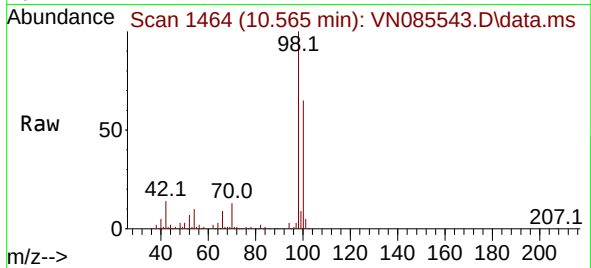




#50
Toluene-d8
Concen: 52.244 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

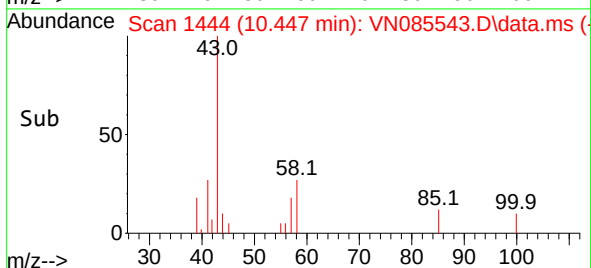
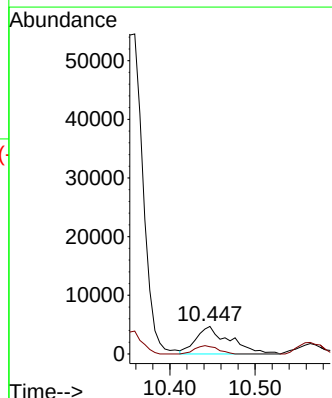
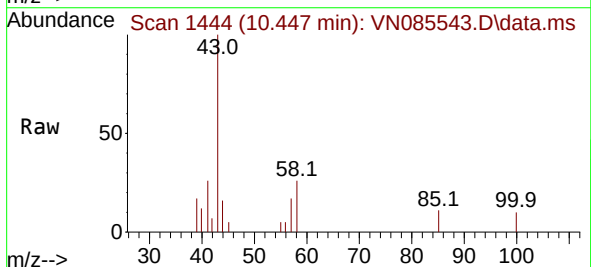
Instrument :
MSVOA_N
ClientSampleId :

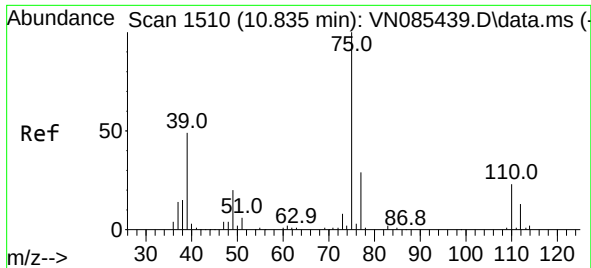
Tgt Ion: 98 Resp: 411098
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.410 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 43 Resp: 12864
Ion Ratio Lower Upper
43 100
58 20.4 30.5 45.7#

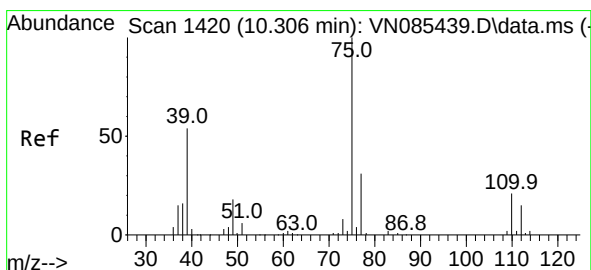
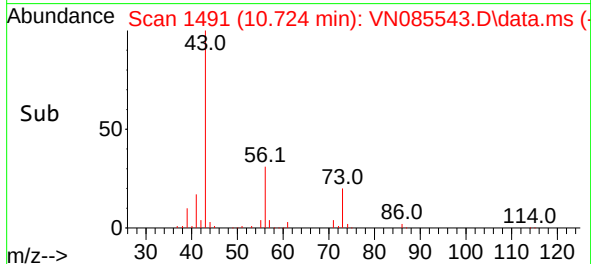
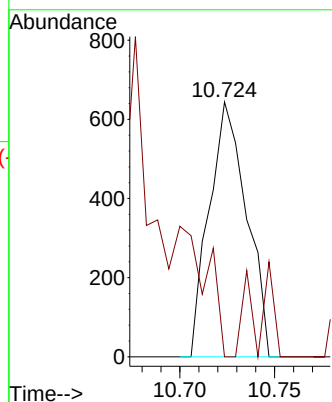
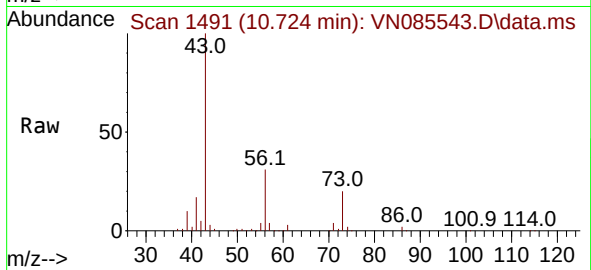




#53
 t-1,3-Dichloropropene
 Concen: 0.267 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085543.D
 Acq: 28 Jan 2025 17:01

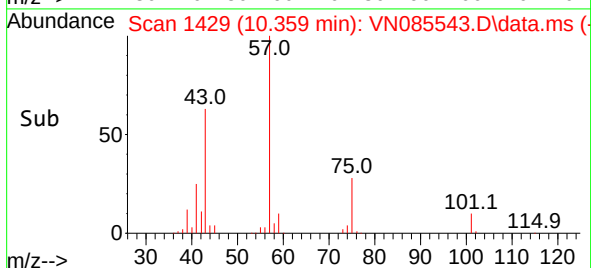
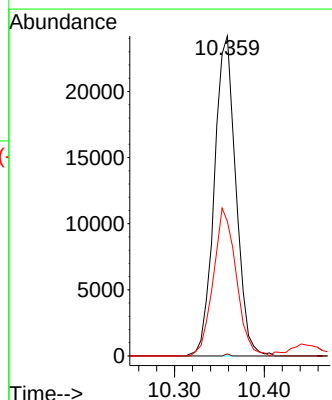
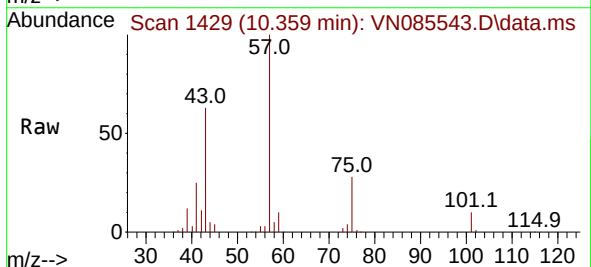
Instrument :
 MSVOA_N
 ClientSampleId :

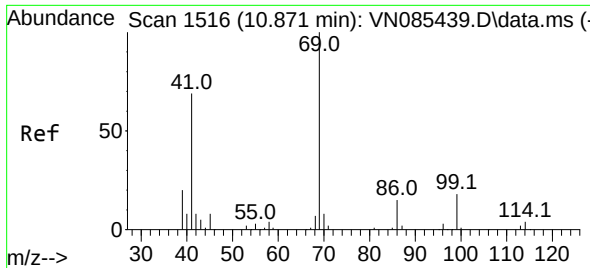
Tgt Ion: 75 Resp: 885
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.391 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085543.D
 Acq: 28 Jan 2025 17:01

Tgt Ion: 75 Resp: 40324
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 42.0 43.1 64.7#

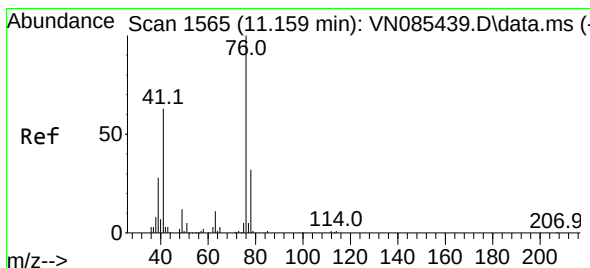
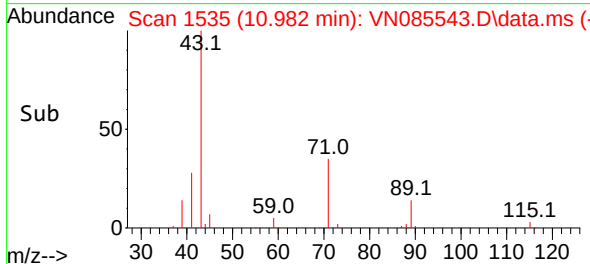
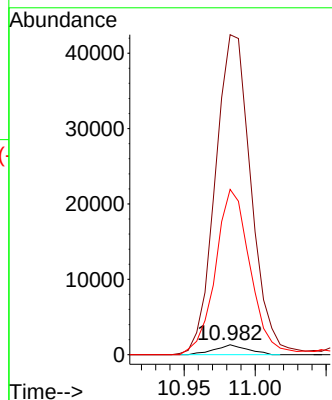
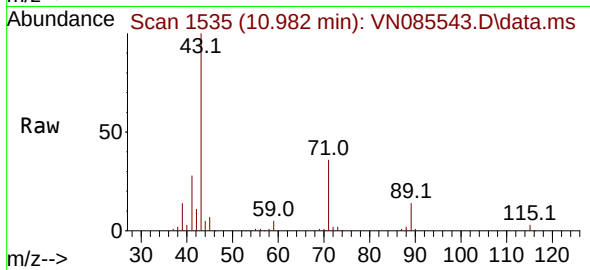




#56
Ethyl methacrylate
Concen: 2.492 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

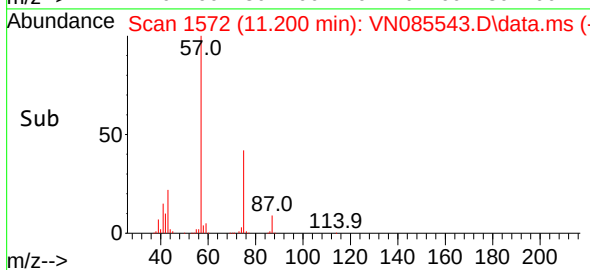
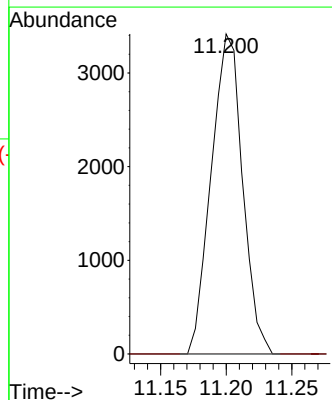
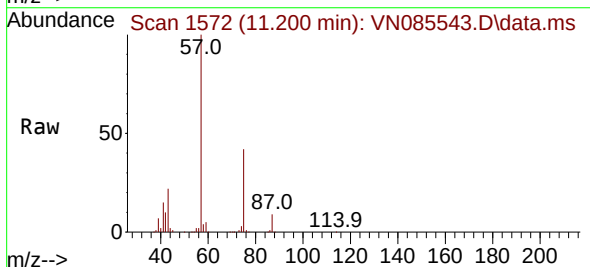
Instrument :
MSVOA_N
ClientSampleId :

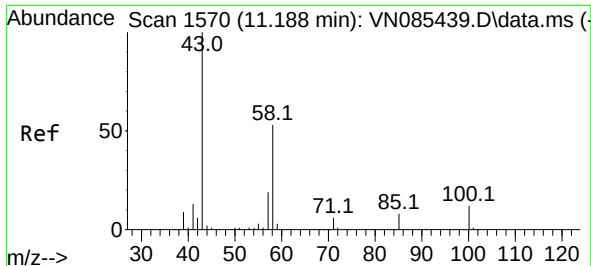
Tgt Ion: 69 Resp: 2105
Ion Ratio Lower Upper
69 100
41 3536.2 54.6 82.0#
39 1787.6 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.523 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 76 Resp: 5670
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

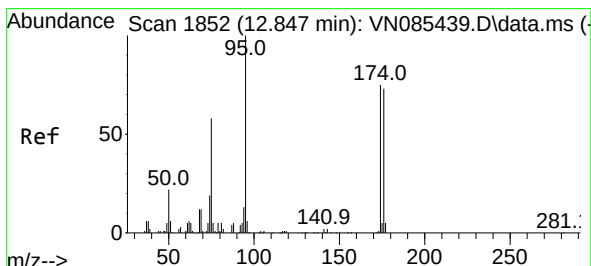
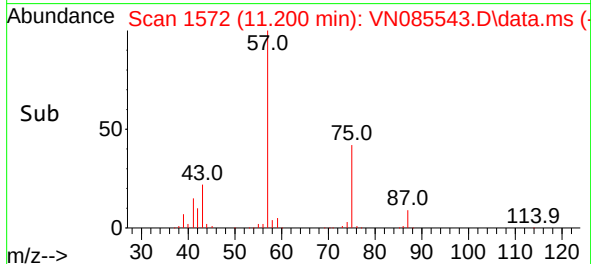
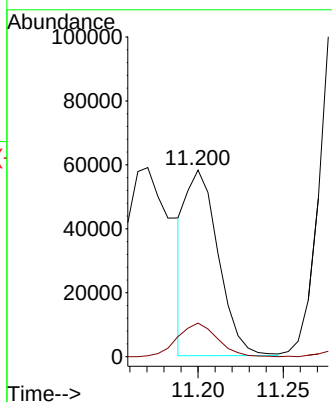
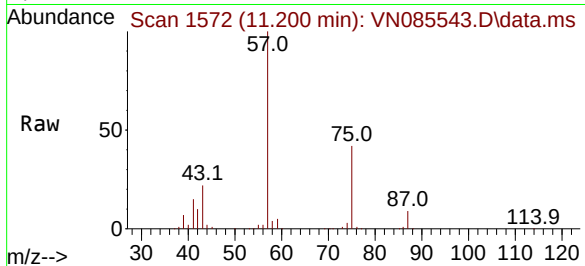




#59
2-Hexanone
Concen: 37.619 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

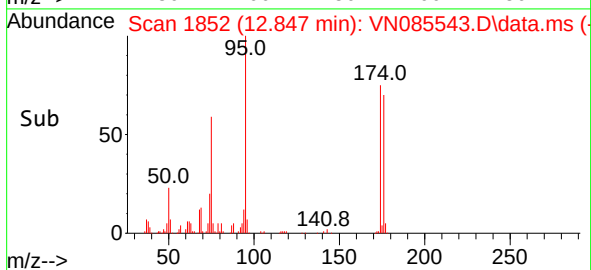
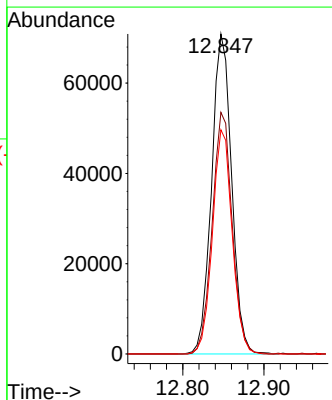
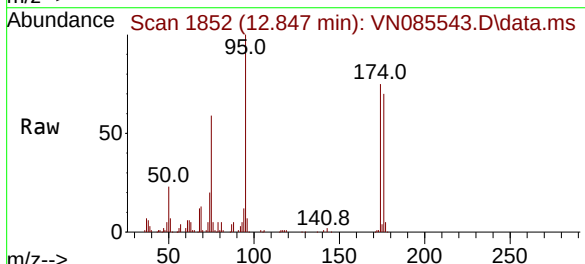
Instrument :
MSVOA_N
ClientSampleId :

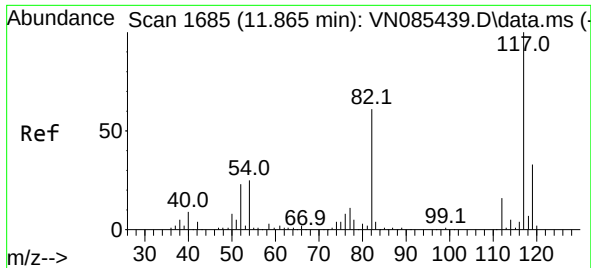
Tgt Ion: 43 Resp: 77218
Ion Ratio Lower Upper
43 100
58 22.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.185 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 95 Resp: 121624
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.0
176 69.0 0.0 142.4

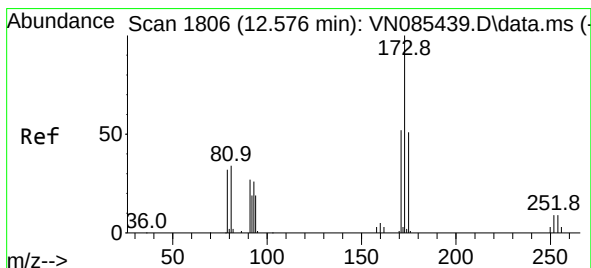
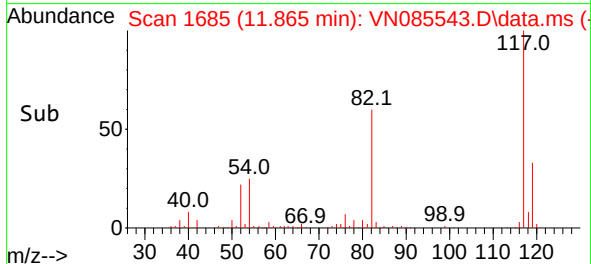
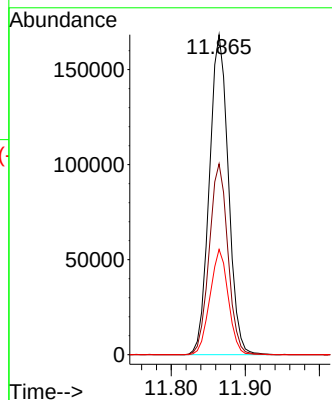
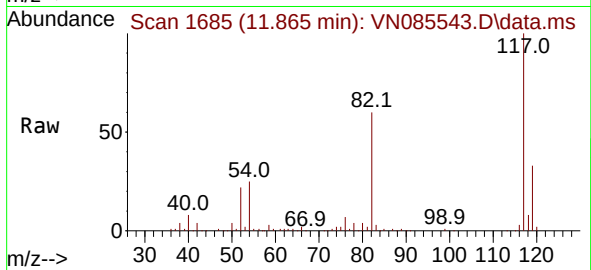




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

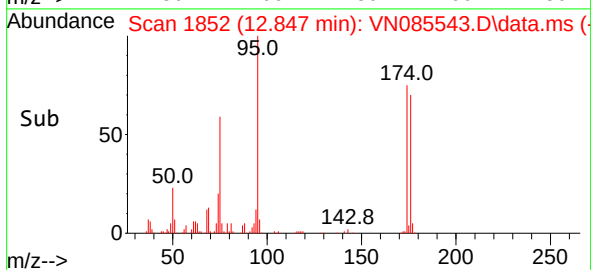
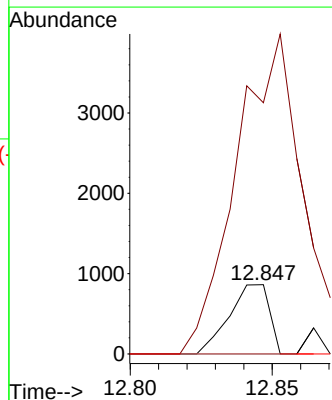
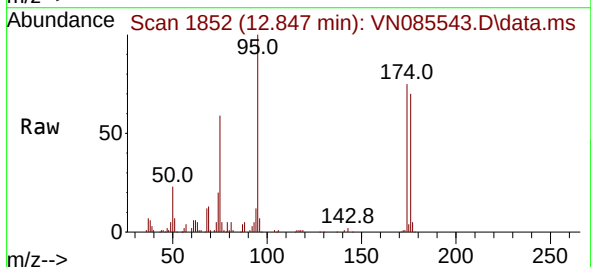
Instrument :
MSVOA_N
ClientSampleId :

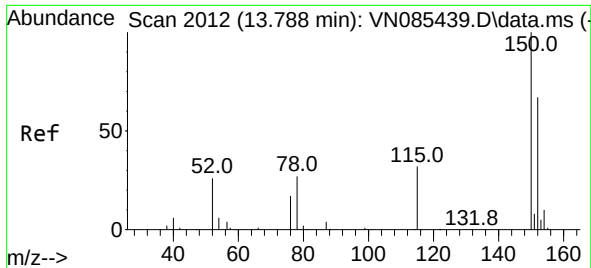
Tgt Ion:117 Resp: 299575
Ion Ratio Lower Upper
117 100
82 59.6 48.6 72.8
119 32.9 26.6 39.8



#71
Bromoform
Concen: 0.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

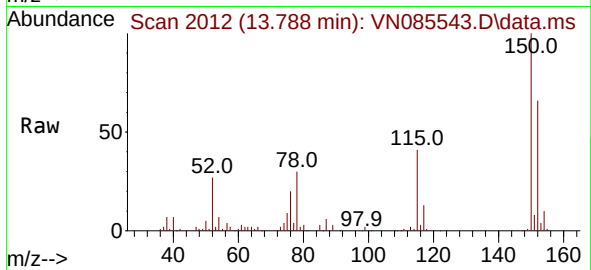
Tgt Ion:173 Resp: 850
Ion Ratio Lower Upper
173 100
175 397.3 24.4 73.2#
254 0.0 0.0 0.0



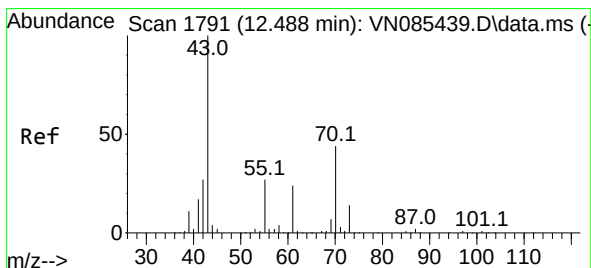
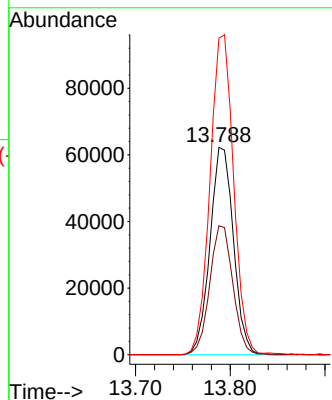
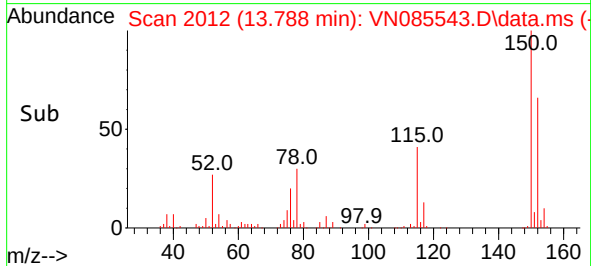


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085543.D
 Acq: 28 Jan 2025 17:01

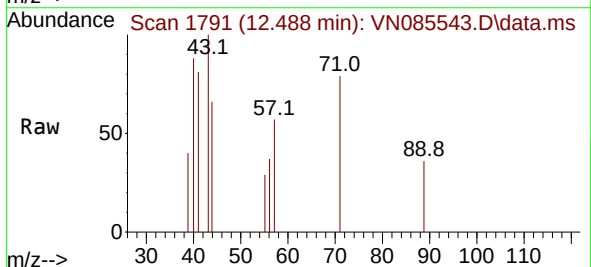
Instrument :
 MSVOA_N
 ClientSampleId :



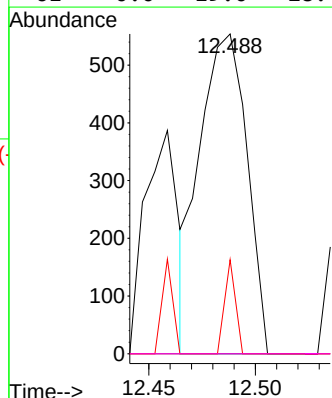
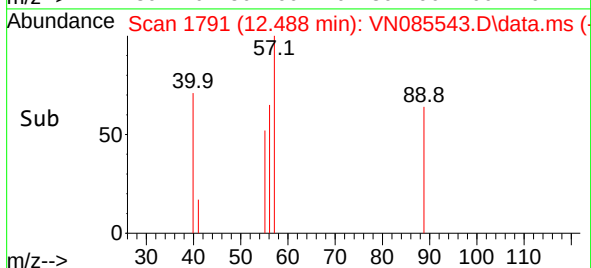
Tgt Ion:152 Resp: 107137
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.1 93.3
 150 155.5 0.0 343.6

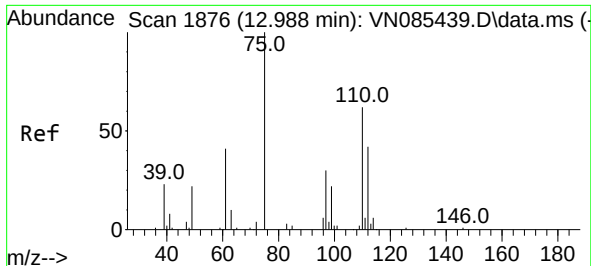


#74
 N-ethyl acetate
 Concen: 0.262 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VN085543.D
 Acq: 28 Jan 2025 17:01



Tgt Ion: 43 Resp: 852
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 6.8 21.4 32.2#
 61 0.0 19.0 28.4#

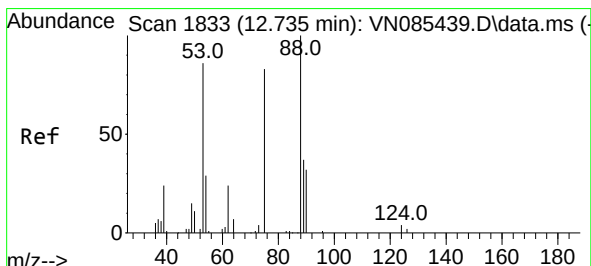
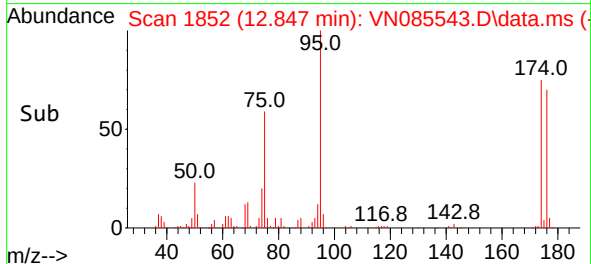
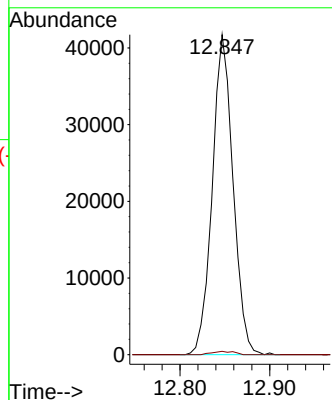
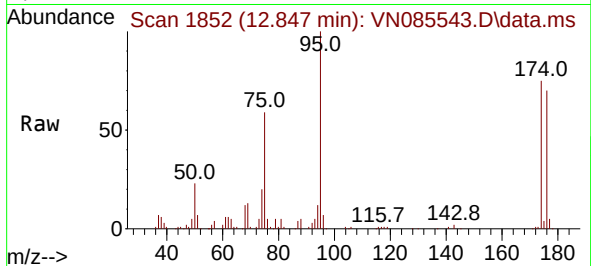




#76
1,2,3-Trichloropropane
Concen: 30.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67087
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085543.D
Acq: 28 Jan 2025 17:01

Tgt Ion: 75 Resp: 67087
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

