

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085461.D
 Acq On : 15 Jan 2025 15:00
 Operator : JC\MD
 Sample : Q1074-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 00:59:37 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)

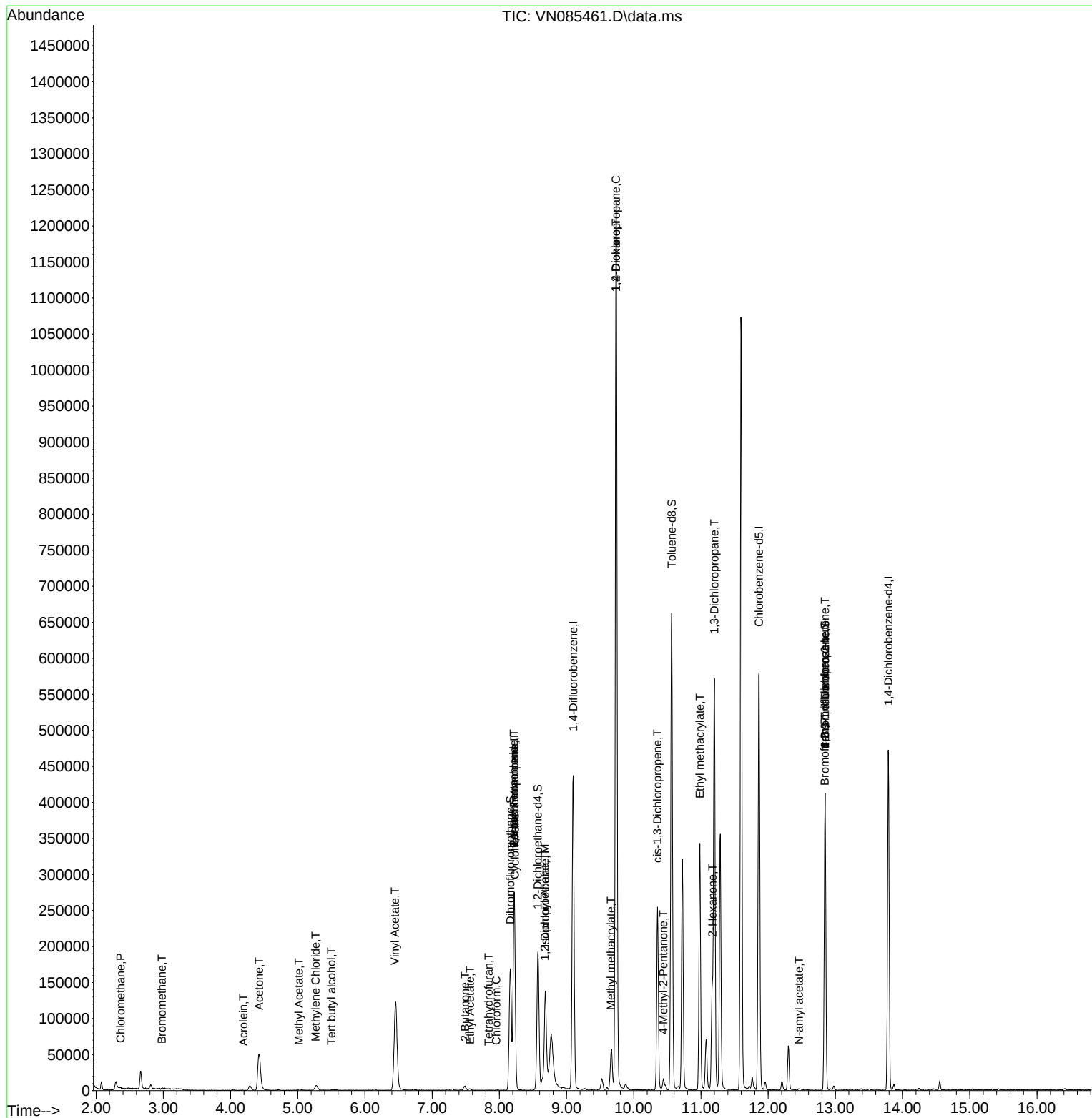
Internal Standards						
1) Pentafluorobenzene	8.224	168	186600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	164608	54.649	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	8.165	113	120247	48.550	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.100%			
50) Toluene-d8	10.565	98	444150	50.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.847	95	135317	44.952	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.900%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	633	0.231	ug/l #	41
5) Bromomethane	2.977	94	499	0.300	ug/l #	70
11) Tert butyl alcohol	5.500	59	1038	3.010	ug/l #	71
13) Acrolein	4.189	56	123	0.261	ug/l #	14
16) Acetone	4.424	43	99996	102.746	ug/l	98
18) Methyl Acetate	5.018	43	1557	0.526	ug/l #	90
20) Methylene Chloride	5.265	84	5292	2.196	ug/l #	81
23) Vinyl Acetate	6.447	43	2488	0.493	ug/l #	72
25) 2-Butanone	7.488	43	10280	7.178	ug/l	99
29) Tetrahydrofuran	7.841	42	274	0.302	ug/l #	34
30) Chloroform	7.953	83	1067	0.235	ug/l	98
31) Cyclohexane	8.230	56	5419	1.418	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	17658	5.080	ug/l #	51
37) Ethyl Acetate	7.565	43	4001	1.140	ug/l #	79
38) Carbon Tetrachloride	8.218	117	20648	5.189	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	995	0.253	ug/l #	76
43) Isopropyl Acetate	8.682	43	167233	29.746	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	1618	0.606	ug/l #	43
48) Methyl methacrylate	9.659	41	3960	1.565	ug/l #	45
49) 1,4-Dioxane	9.735	88	87	2.042	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	14946	4.581	ug/l #	79
54) cis-1,3-Dichloropropene	10.353	75	40643	10.266	ug/l #	69
56) Ethyl methacrylate	10.982	69	1605	2.314	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5239	1.258	ug/l #	43
59) 2-Hexanone	11.171	43	107999	47.048	ug/l #	26
71) Bromoform	12.841	173	567	0.309	ug/l #	1
74) N-amyl acetate	12.459	43	1596	0.441	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	74578	30.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74578	83.306	ug/l #	3

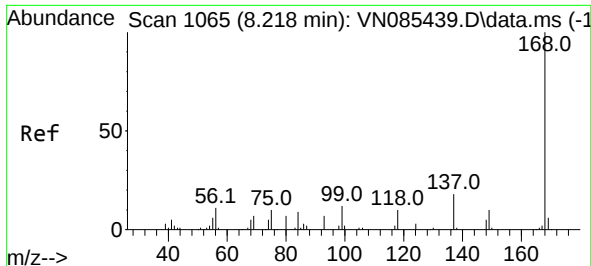
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
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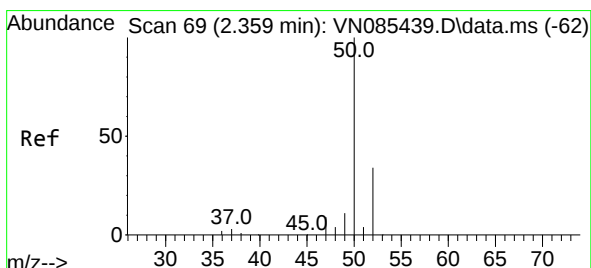
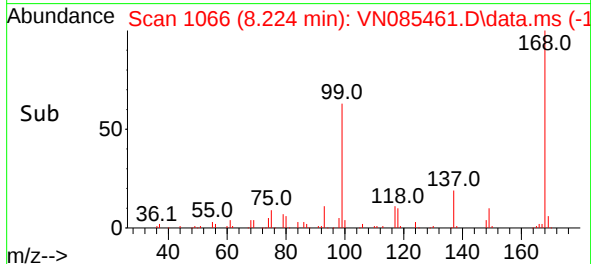
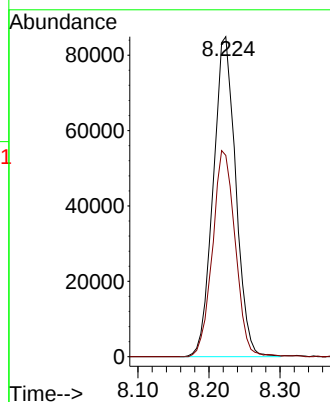
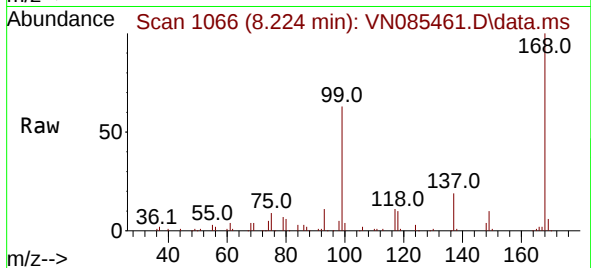




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

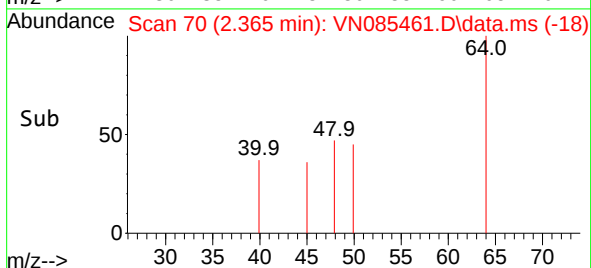
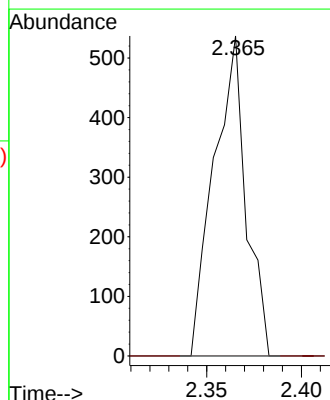
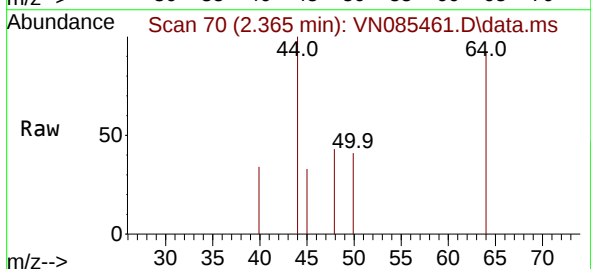
Instrument :
MSVOA_N
ClientSampleId :

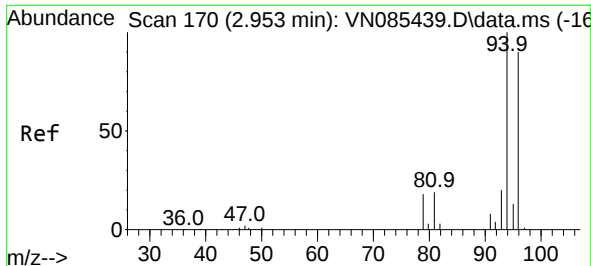
Tgt Ion:168 Resp: 186600
Ion Ratio Lower Upper
168 100
99 62.9 53.6 80.4



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 50 Resp: 633
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

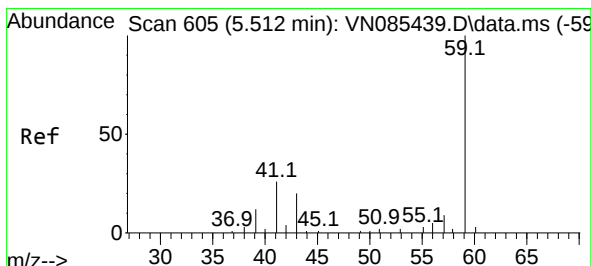
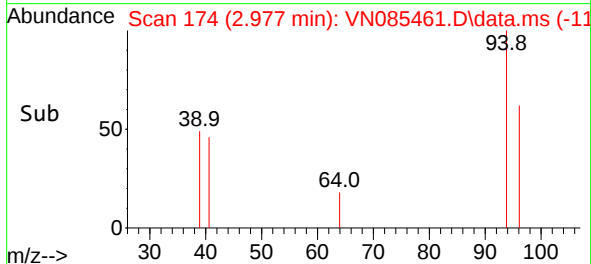
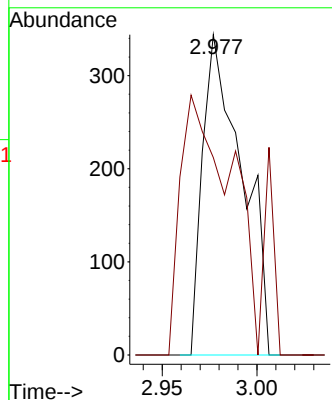
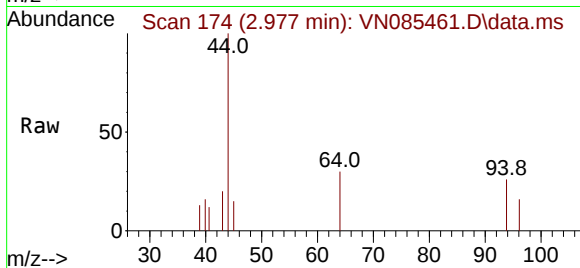




#5
Bromomethane
Concen: 0.300 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

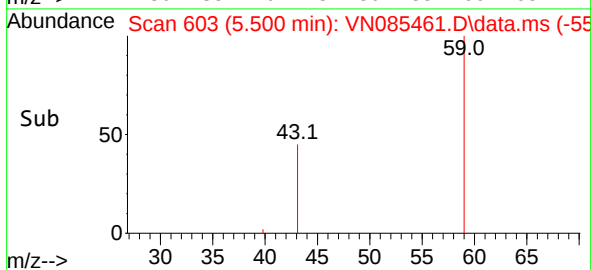
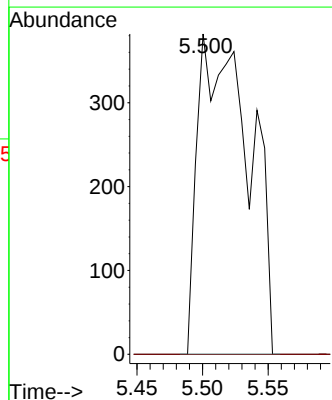
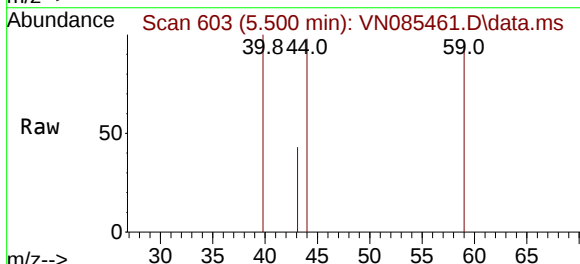
Instrument :
MSVOA_N
ClientSampleId :

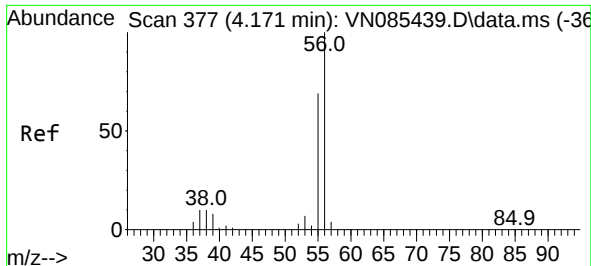
Tgt Ion: 94 Resp: 499
Ion Ratio Lower Upper
94 100
96 61.6 71.8 107.6#



#11
Tert butyl alcohol
Concen: 3.010 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 59 Resp: 1038
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: 0.261 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.018 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

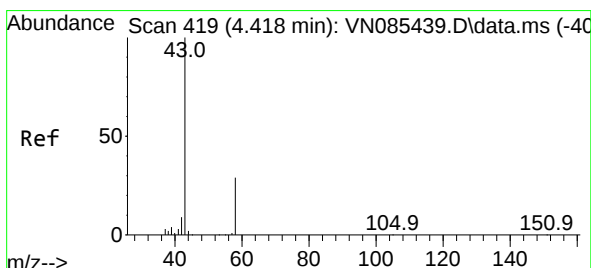
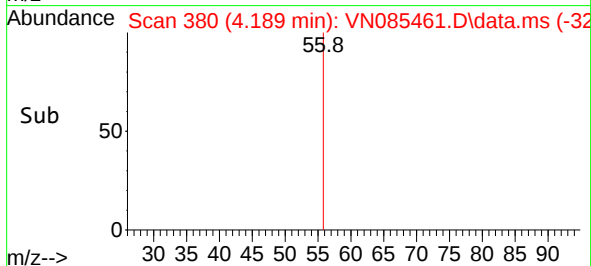
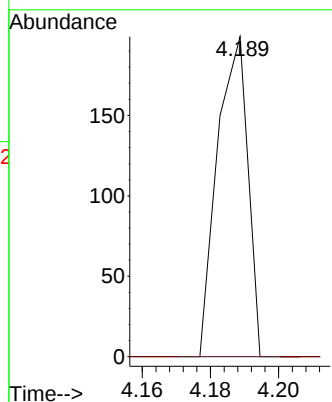
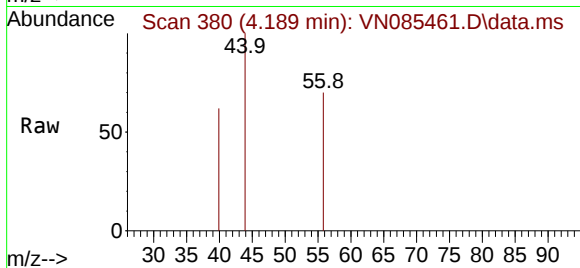
ClientSampleId :

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



#16

Acetone

Concen: 102.746 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085461.D

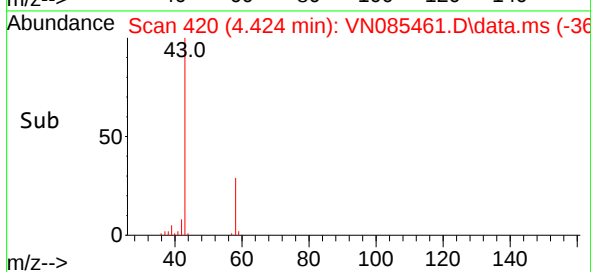
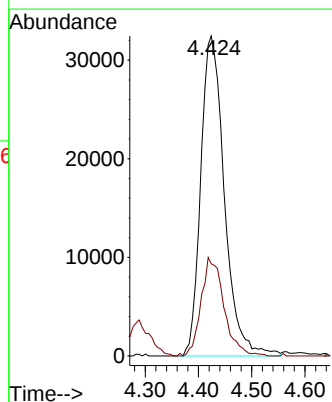
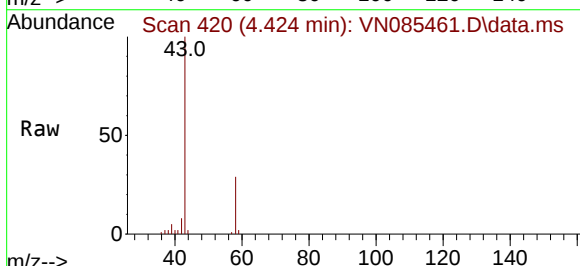
Acq: 15 Jan 2025 15:00

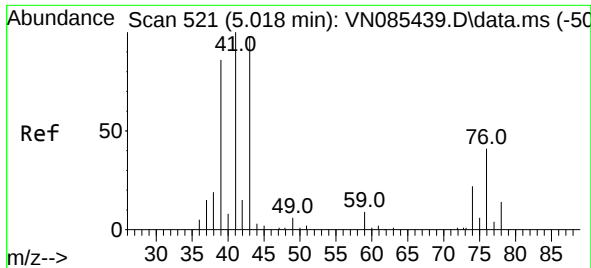
Tgt Ion: 43 Resp: 99996

Ion Ratio Lower Upper

43 100

58 28.8 23.8 35.6

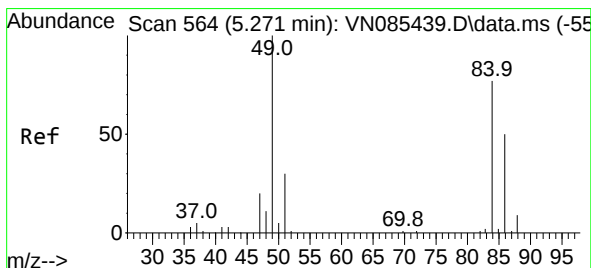
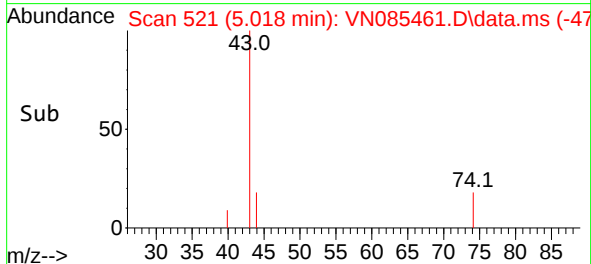
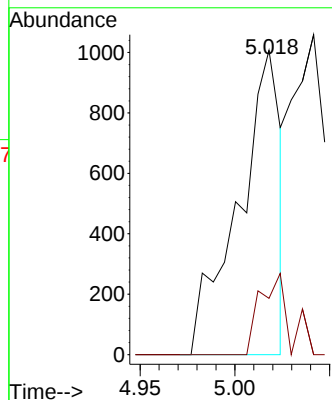
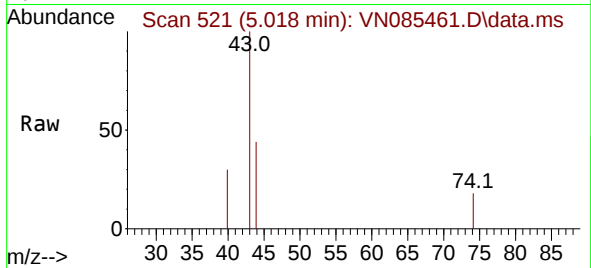




#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

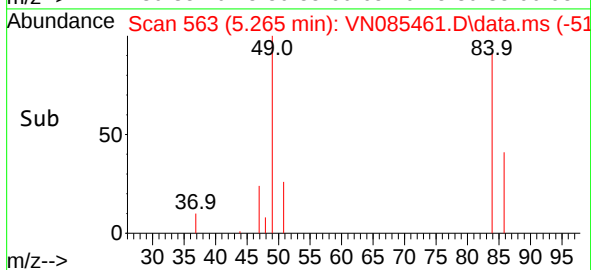
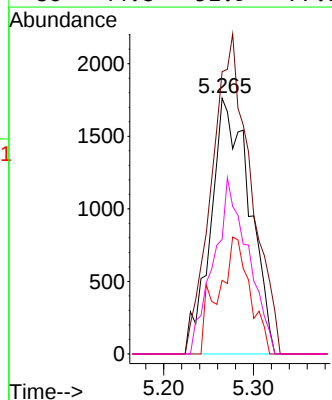
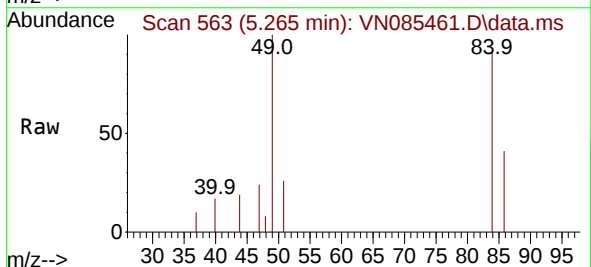
Instrument :
MSVOA_N
ClientSampleId :

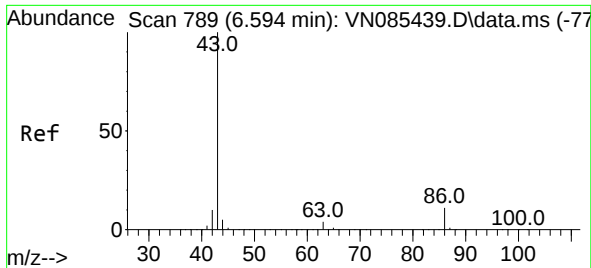
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 18.5 18.6 28.0#



#20
Methylene Chloride
Concen: 2.196 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 84 Resp: 5292
Ion Ratio Lower Upper
84 100
49 110.4 104.1 156.1
51 28.8 31.0 46.4#
86 44.8 51.9 77.9#

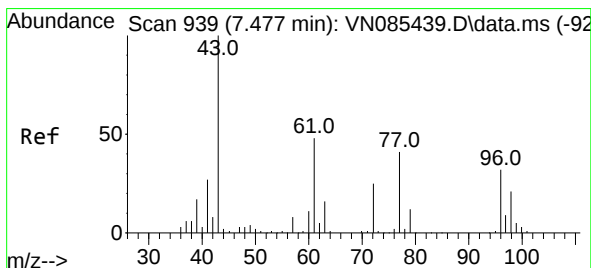
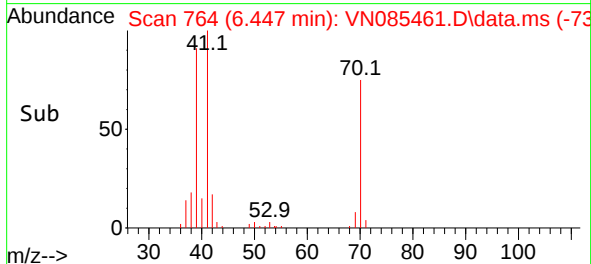
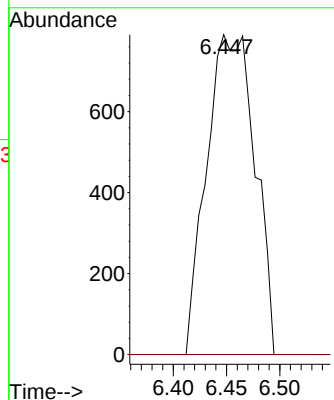
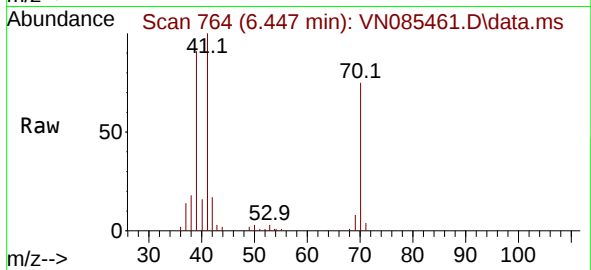




#23
 Vinyl Acetate
 Concen: 0.493 ug/l
 RT: 6.447 min Scan# 70
 Delta R.T. -0.147 min
 Lab File: VN085461.D
 Acq: 15 Jan 2025 15:00

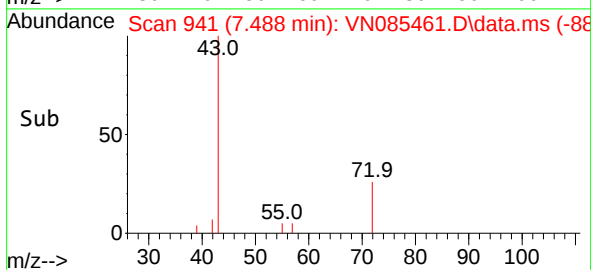
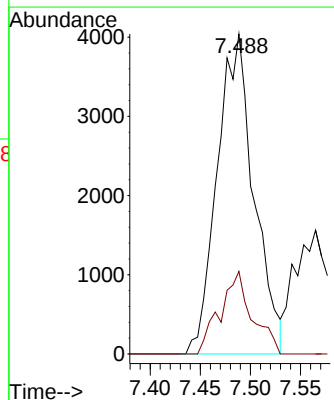
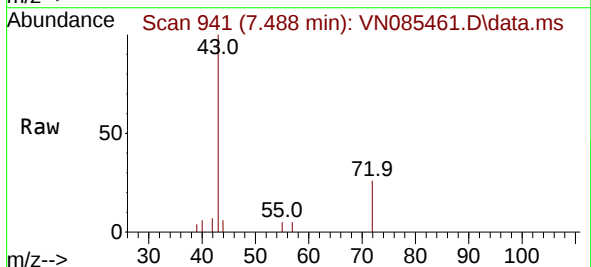
Instrument :
 MSVOA_N
 ClientSampleId :

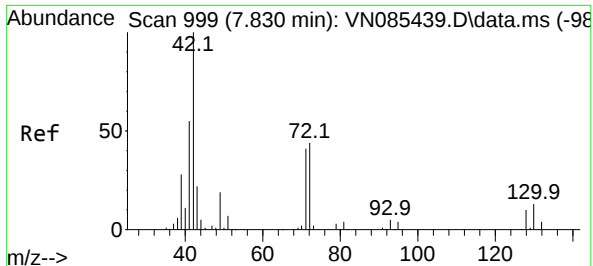
Tgt Ion: 43 Resp: 2488
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#25
 2-Butanone
 Concen: 7.178 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN085461.D
 Acq: 15 Jan 2025 15:00

Tgt Ion: 43 Resp: 10280
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.2 30.4





#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

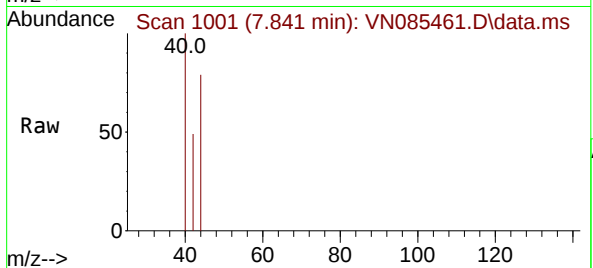
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Acq: 15 Jan 2025 15:00

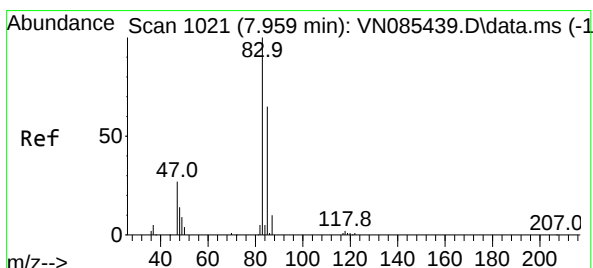
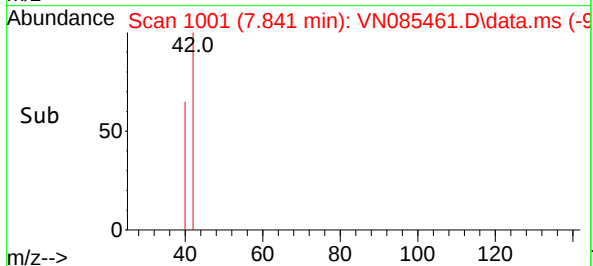
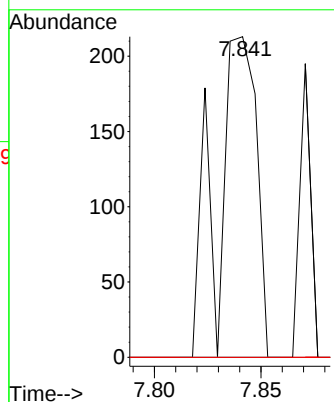
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	274
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.235 ug/l

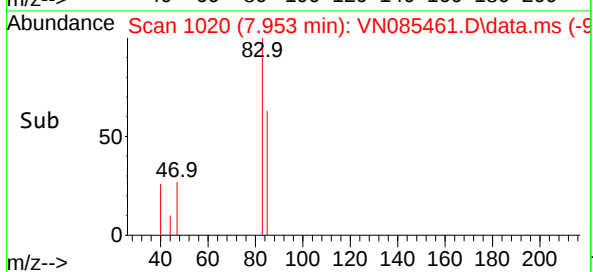
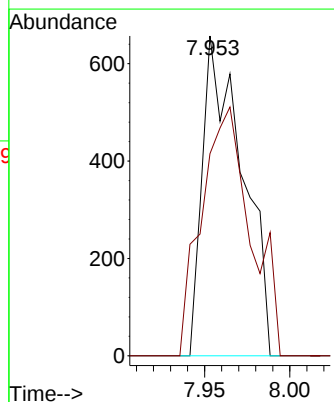
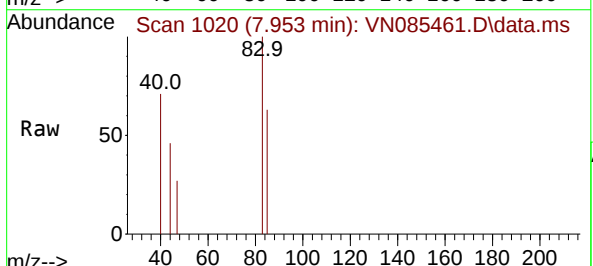
RT: 7.953 min Scan# 1020

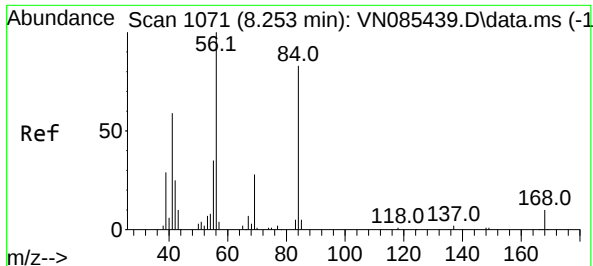
Delta R.T. -0.006 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Tgt Ion:	83	Resp:	1067
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





#31

Cyclohexane

Concen: 1.418 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

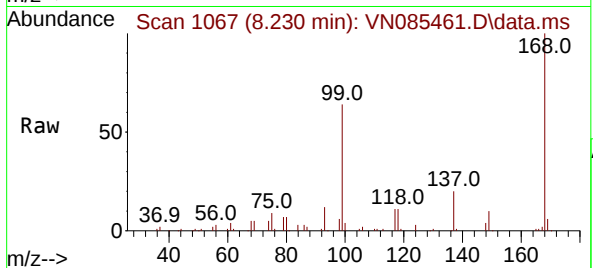
Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

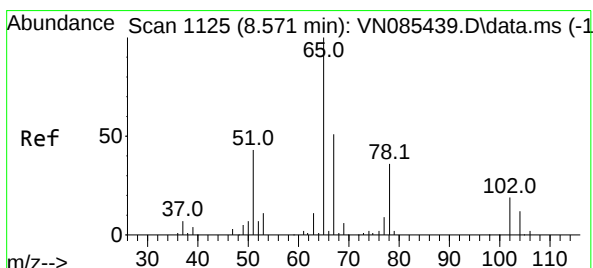
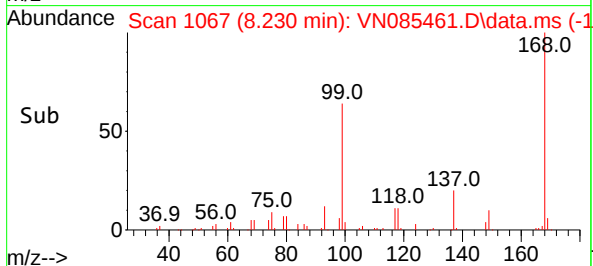
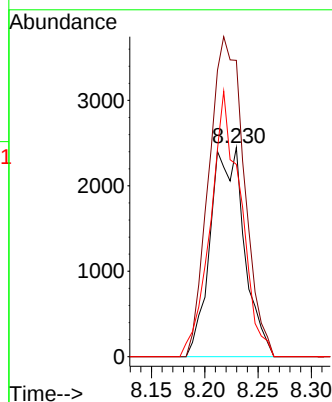
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 5419
Ion Ratio	Lower Upper
56	100
69	141.7 22.2 33.4#
84	92.0 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 54.649 ug/l

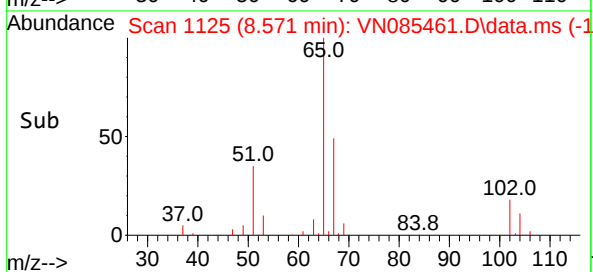
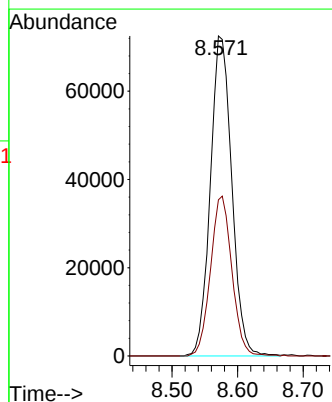
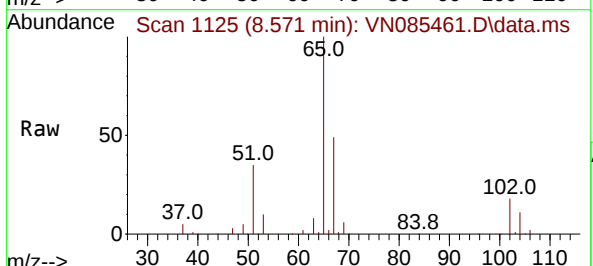
RT: 8.571 min Scan# 1125

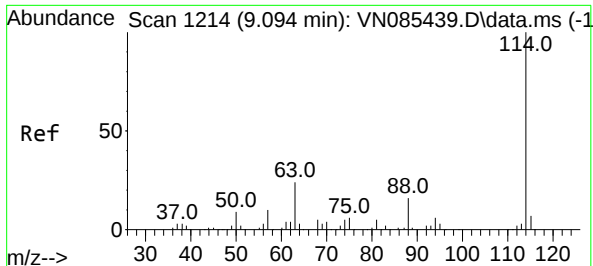
Delta R.T. -0.000 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Tgt Ion: 65	Resp: 164608
Ion Ratio	Lower Upper
65	100
67	49.8 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: VN085461.D

Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

ClientSampleId :

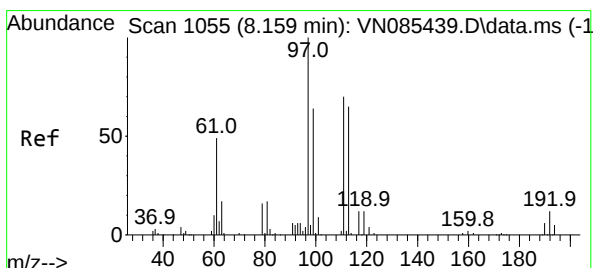
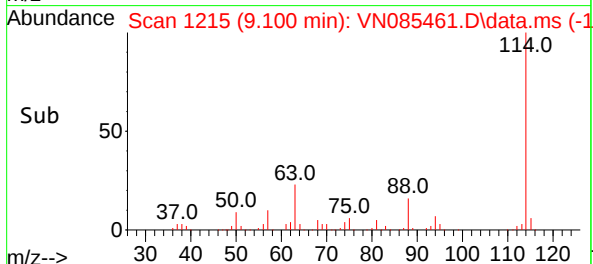
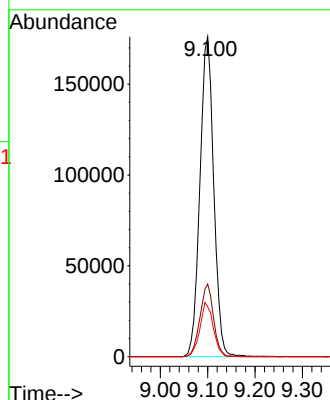
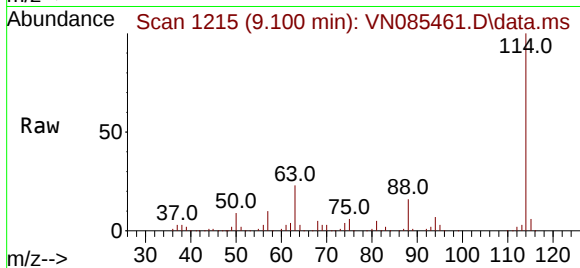
Tgt Ion:114 Resp: 357009

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.550 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

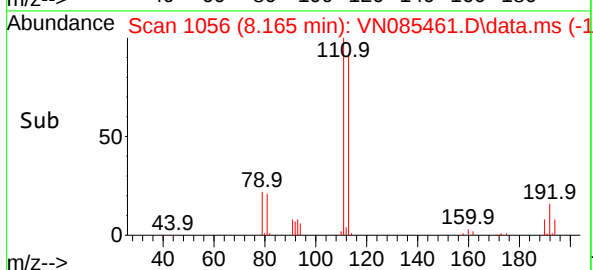
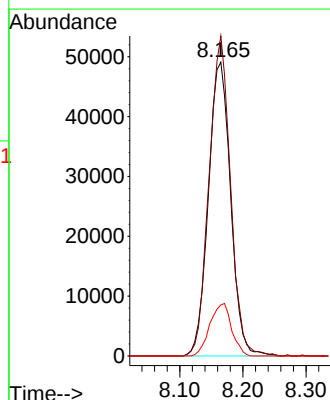
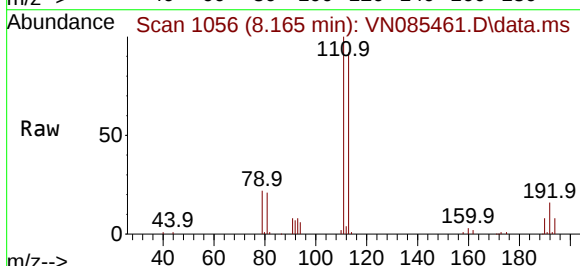
Tgt Ion:113 Resp: 120247

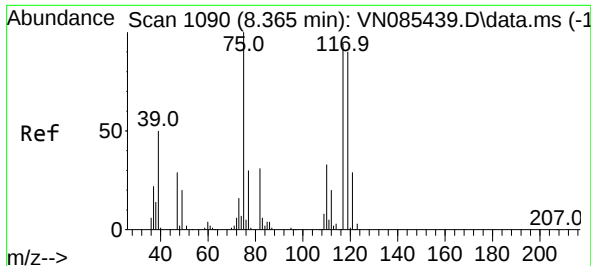
Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.080 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

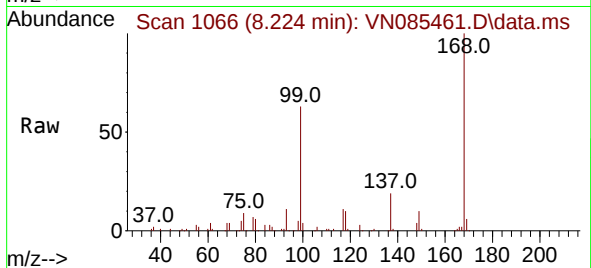
Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

ClientSampleId :



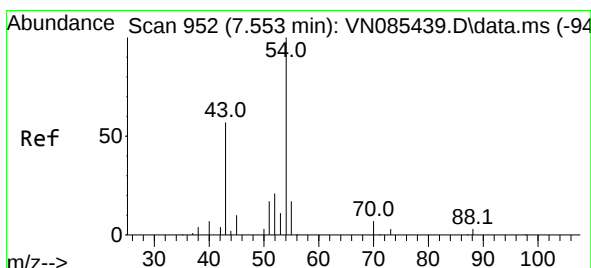
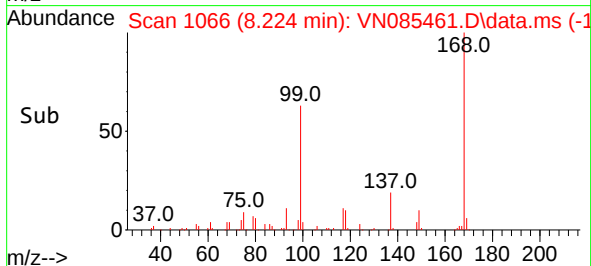
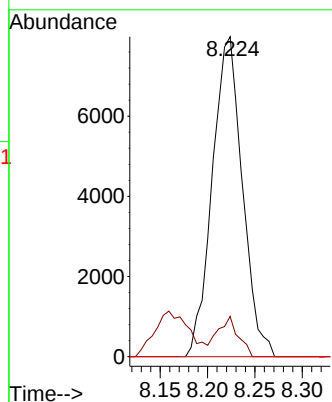
Tgt Ion: 75 Resp: 17658

Ion Ratio Lower Upper

75 100

110 8.5 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.140 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

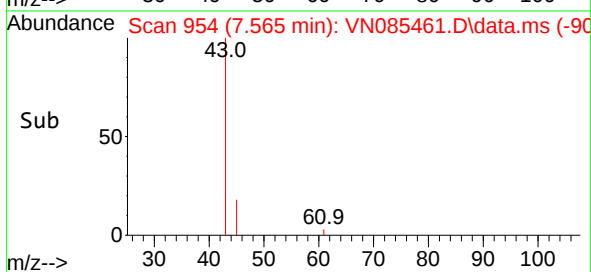
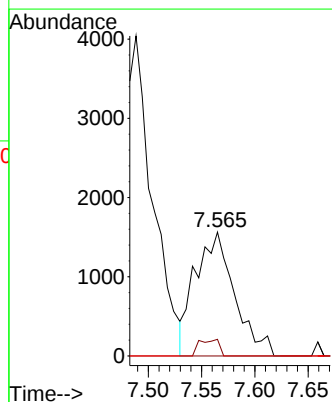
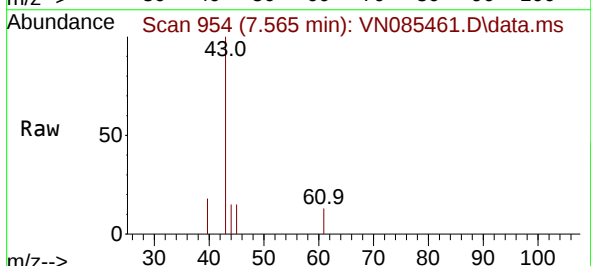
Tgt Ion: 43 Resp: 4001

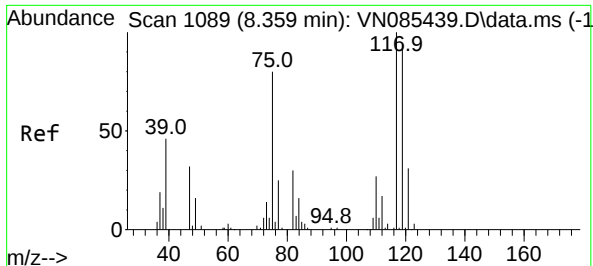
Ion Ratio Lower Upper

43 100

61 6.7 10.9 16.3#

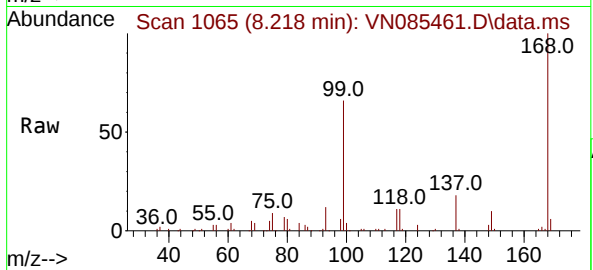
70 0.0 7.5 11.3#



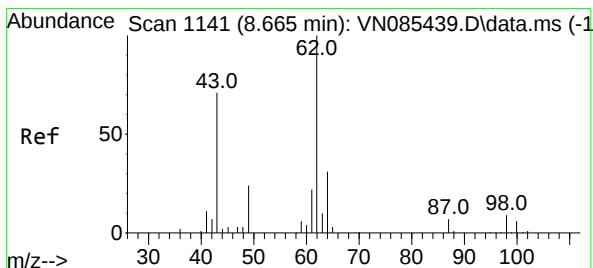
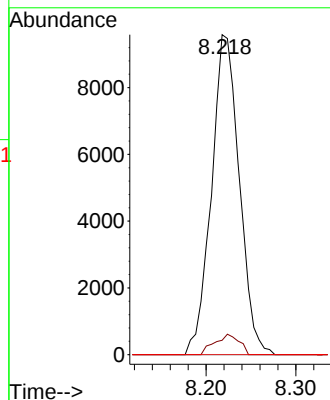
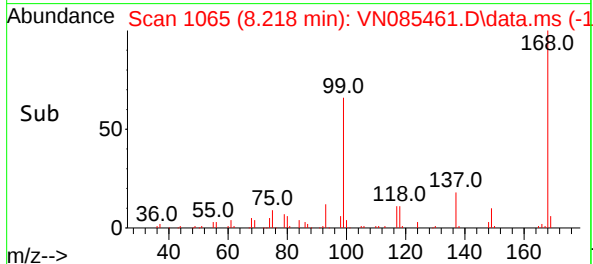


#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Instrument :
MSVOA_N
ClientSampleId :

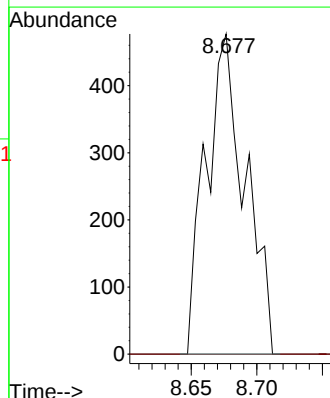
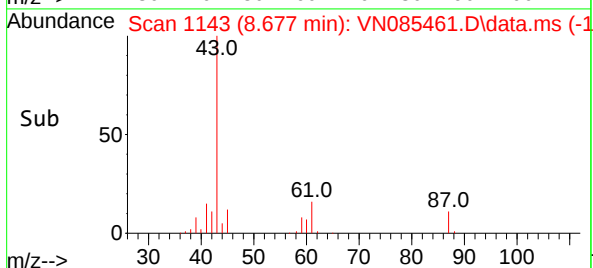
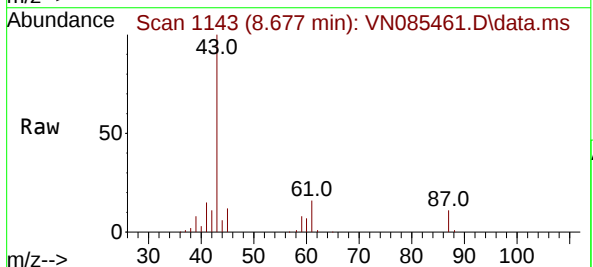


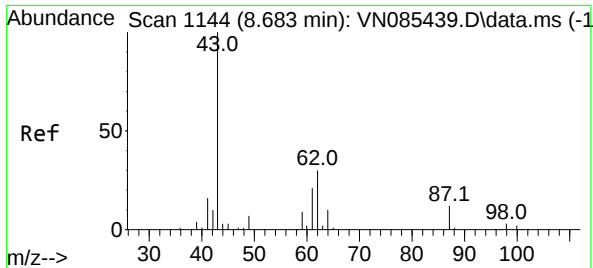
Tgt Ion:117 Resp: 20648
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 62 Resp: 995
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

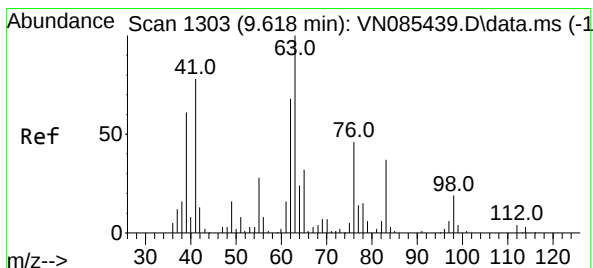
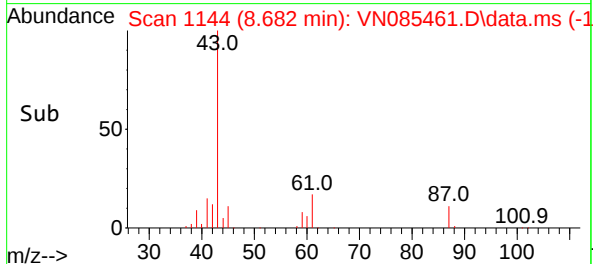
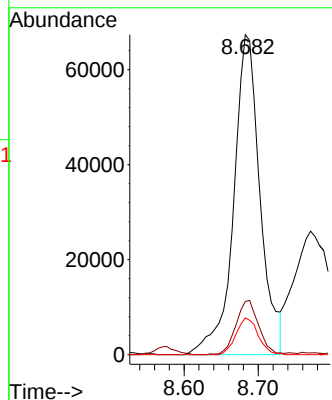
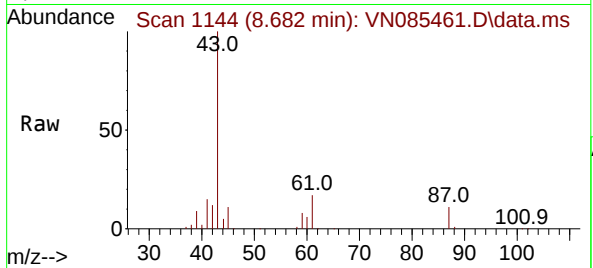




#43
Isopropyl Acetate
Concen: 29.746 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

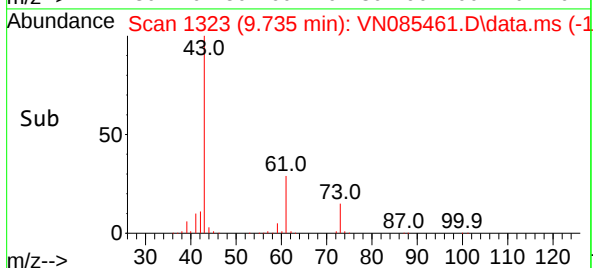
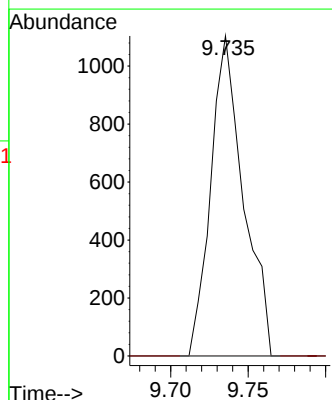
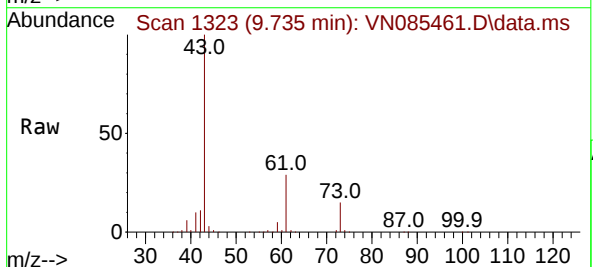
Instrument :
MSVOA_N
ClientSampleId :

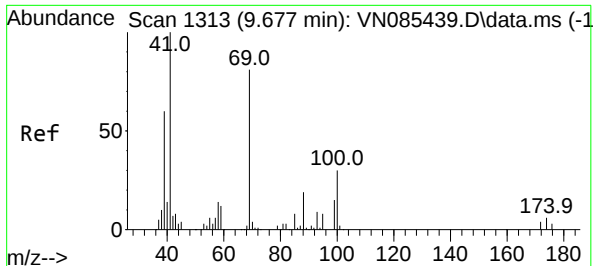
Tgt Ion: 43 Resp: 167233
Ion Ratio Lower Upper
43 100
61 14.6 20.7 31.1#
87 9.6 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.606 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 63 Resp: 1618
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.565 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

ClientSampleId :

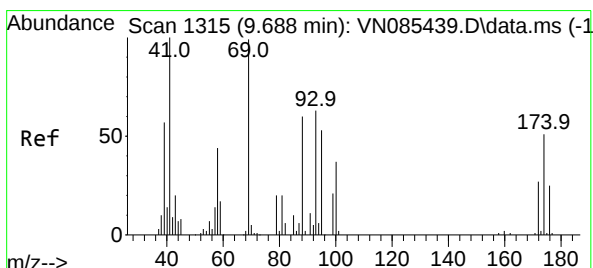
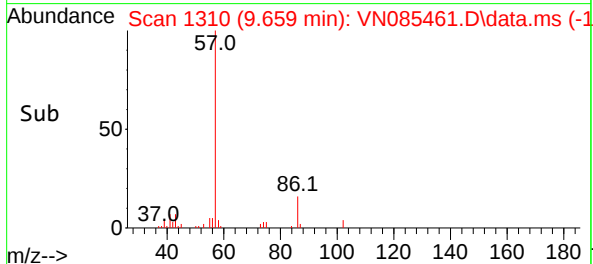
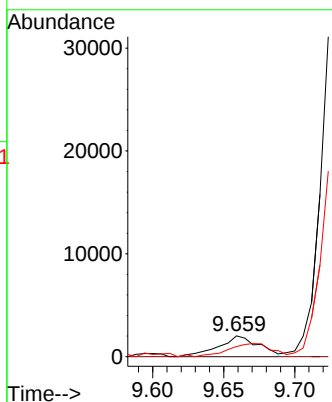
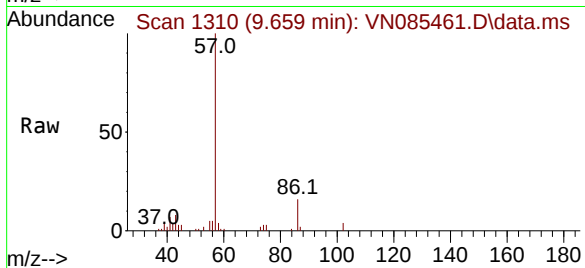
Tgt Ion: 41 Resp: 3960

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 67.2 49.0 73.6



#49

1,4-Dioxane

Concen: 2.042 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.047 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

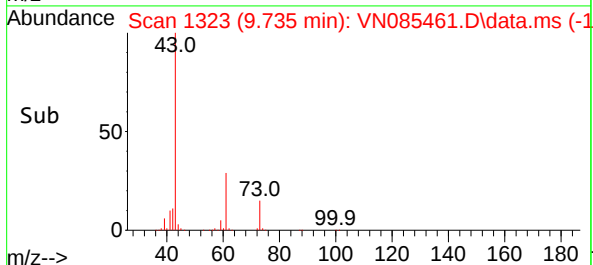
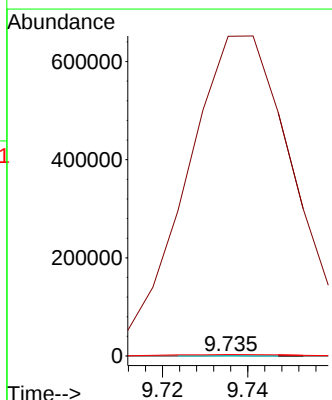
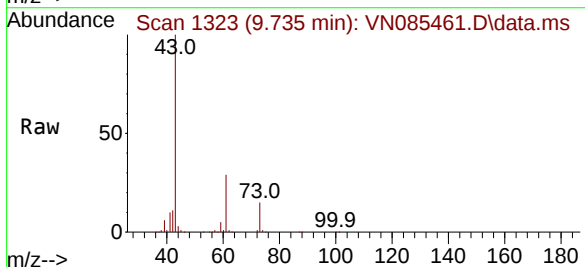
Tgt Ion: 88 Resp: 87

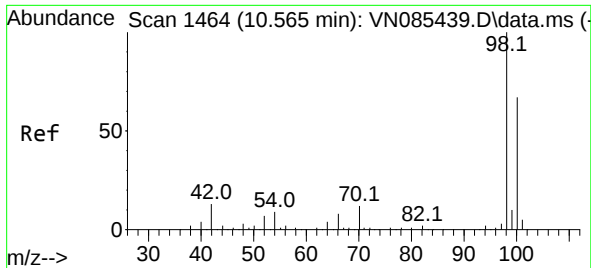
Ion Ratio Lower Upper

88 100

43 1360602.3 26.6 39.8#

58 6867.8 59.5 89.3#

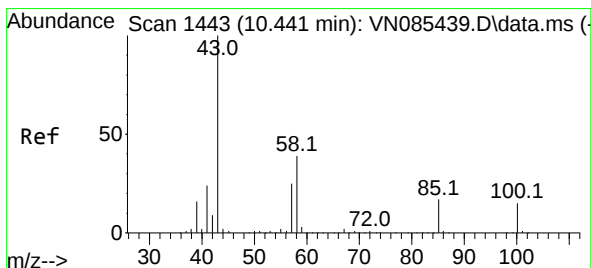
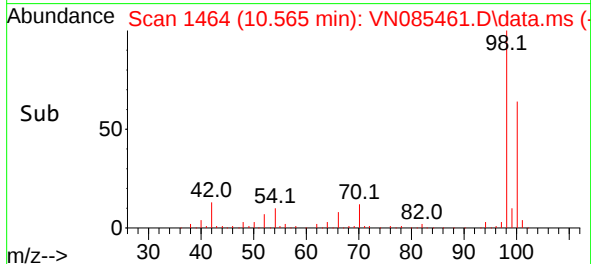
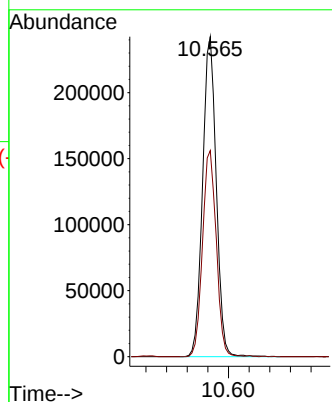
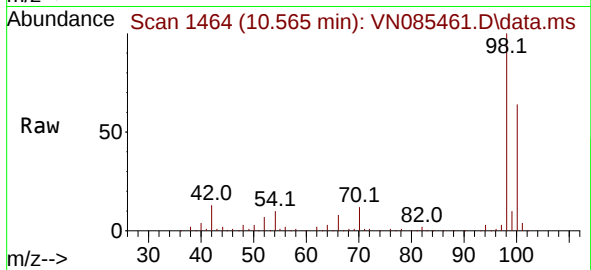




#50
Toluene-d8
Concen: 50.472 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

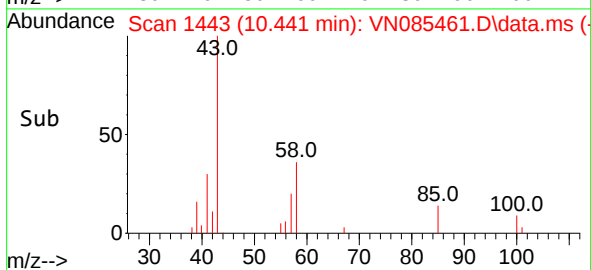
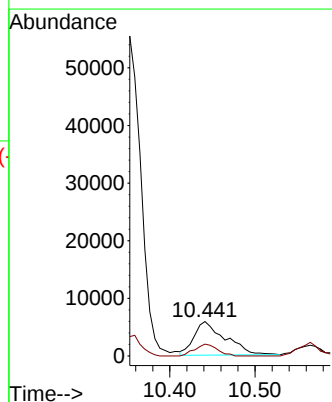
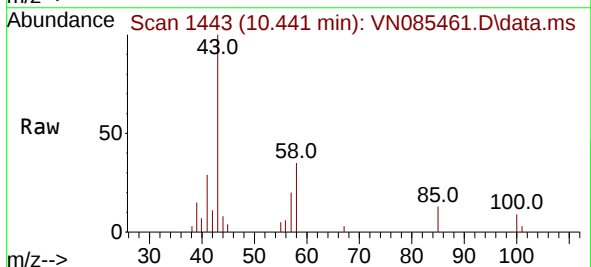
Instrument :
MSVOA_N
ClientSampleId :

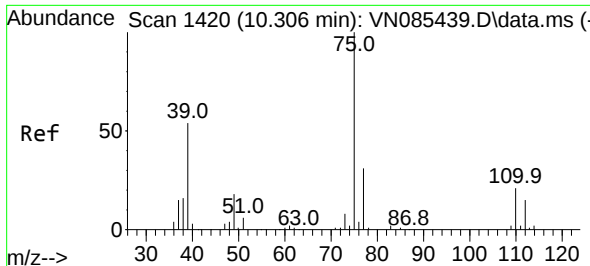
Tgt Ion: 98 Resp: 444150
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.581 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 43 Resp: 14946
Ion Ratio Lower Upper
43 100
58 25.3 30.5 45.7#

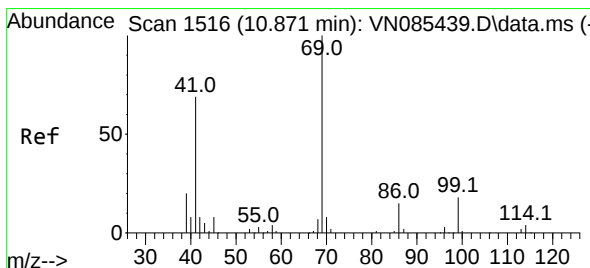
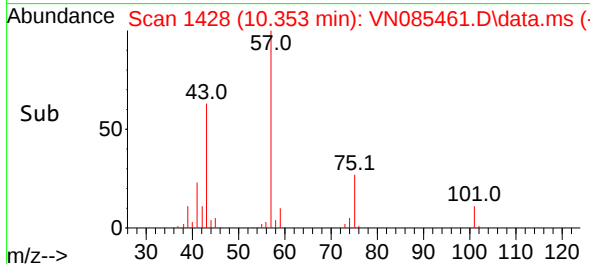
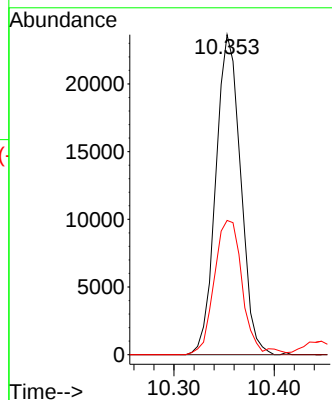
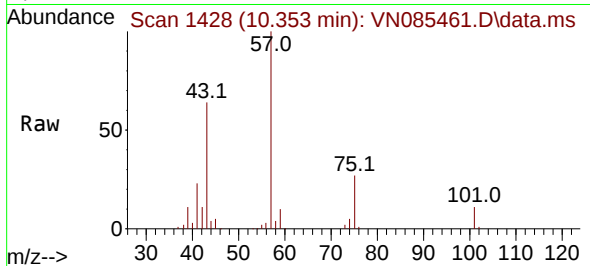




#54
cis-1,3-Dichloropropene
Concen: 10.266 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

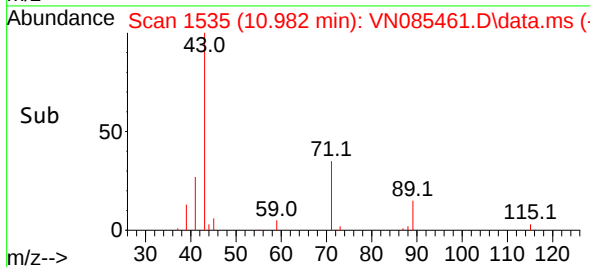
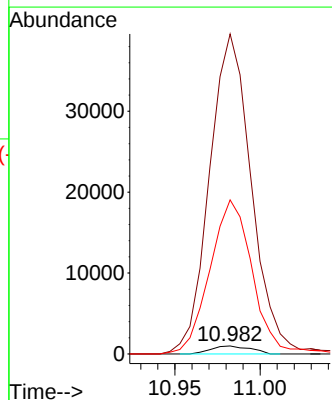
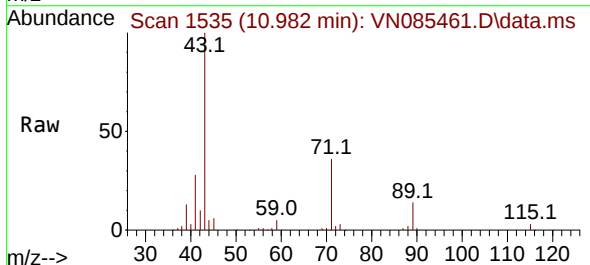
Instrument :
MSVOA_N
ClientSampleId :

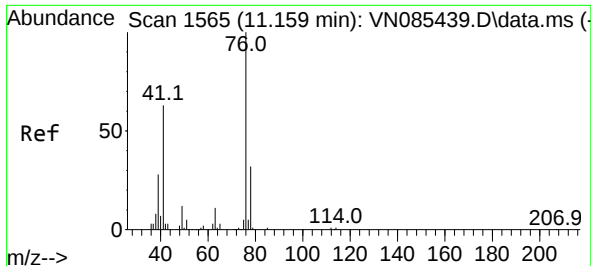
Tgt Ion: 75 Resp: 40643
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 42.0 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.314 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 69 Resp: 1605
Ion Ratio Lower Upper
69 100
41 4238.6 54.6 82.0#
39 2062.2 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.258 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

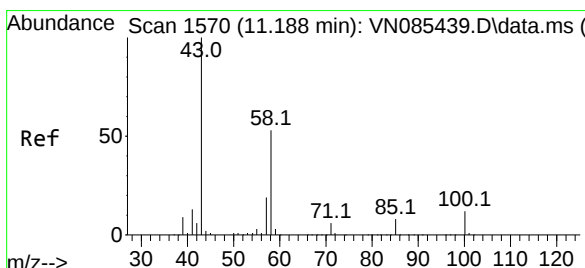
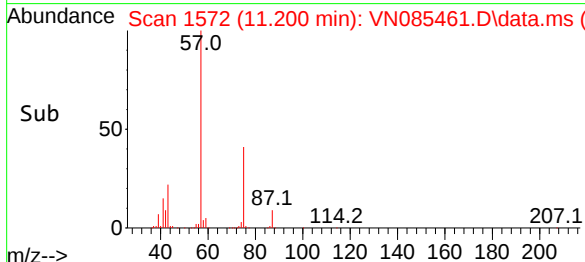
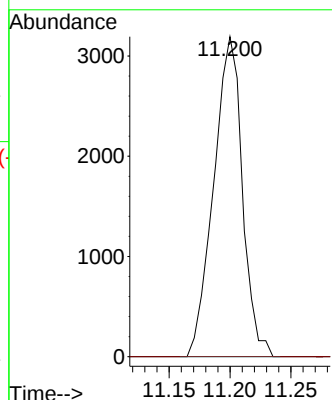
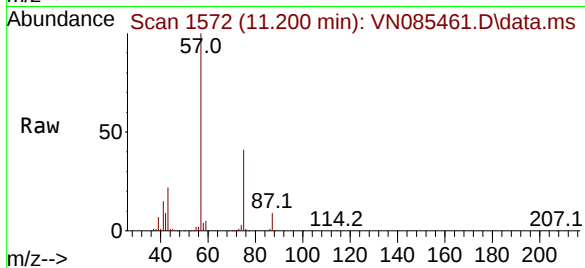
ClientSampleId :

Tgt Ion: 76 Resp: 5239

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 47.048 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085461.D

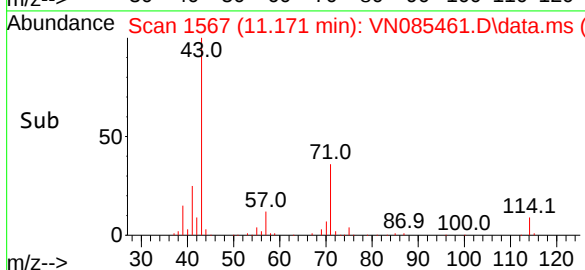
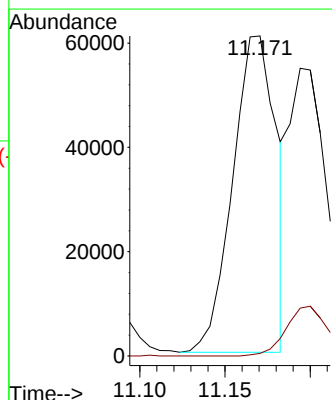
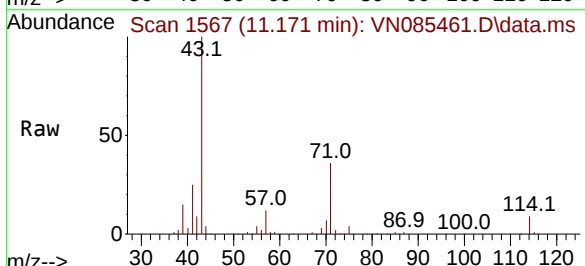
Acq: 15 Jan 2025 15:00

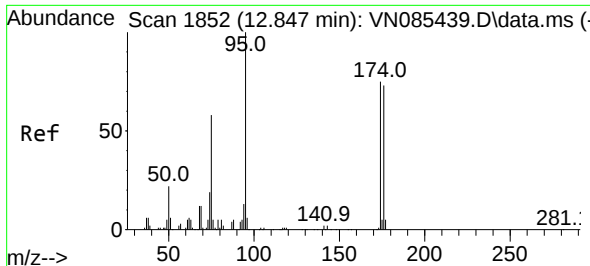
Tgt Ion: 43 Resp: 107999

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

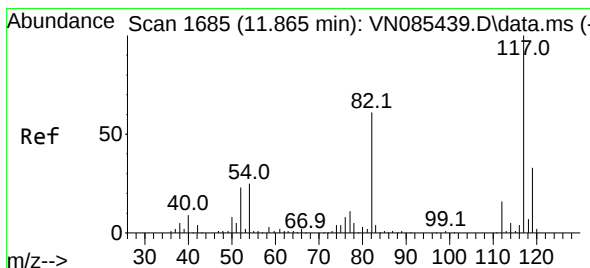
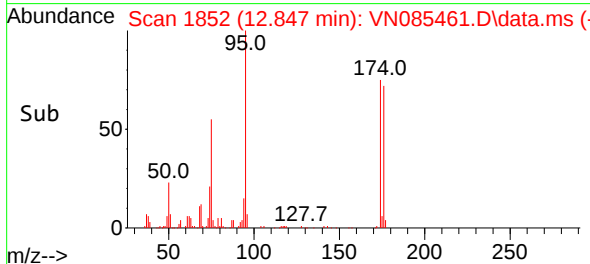
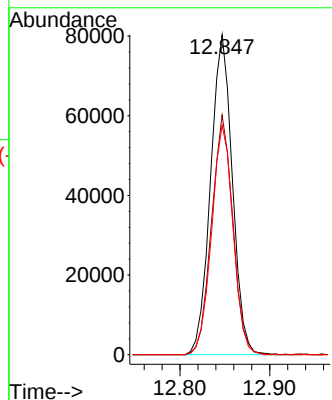
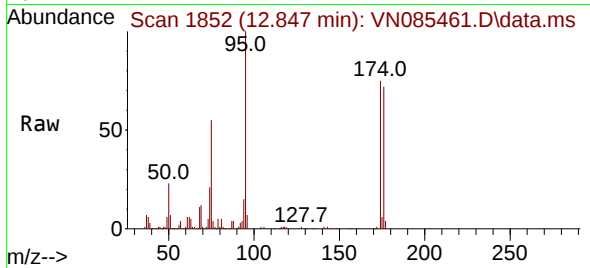




#62
4-Bromofluorobenzene
Concen: 44.952 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

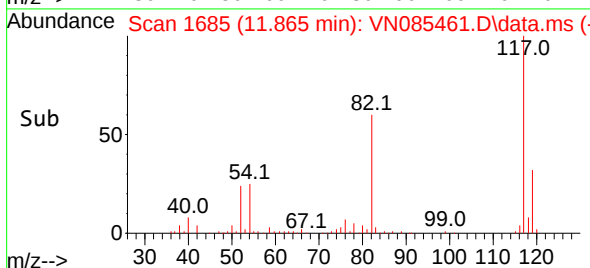
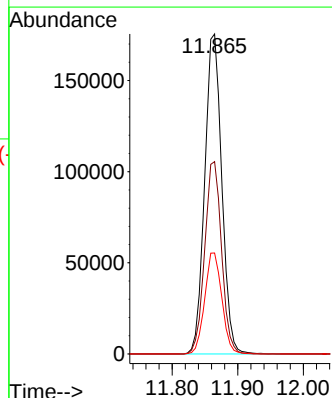
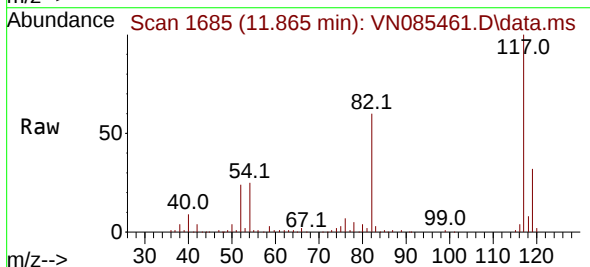
Instrument :
MSVOA_N
ClientSampleId :

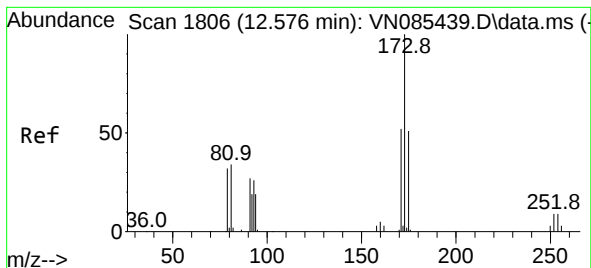
Tgt Ion: 95 Resp: 135317
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.0
176 70.5 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Tgt Ion: 117 Resp: 318572
Ion Ratio Lower Upper
117 100
82 60.1 48.6 72.8
119 31.6 26.6 39.8





#71

Bromoform

Concen: 0.309 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN085461.D

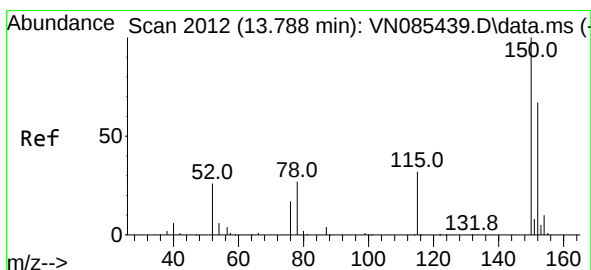
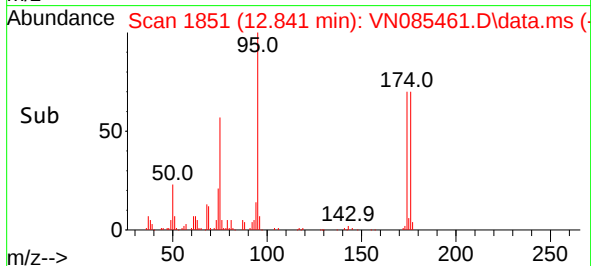
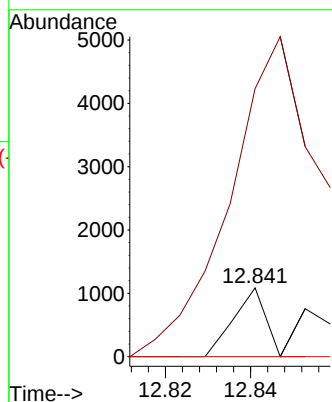
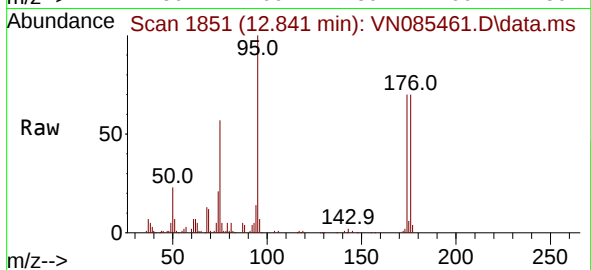
Acq: 15 Jan 2025 15:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	567
Ion Ratio	Lower	Upper	
173	100		
175	1076.4	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

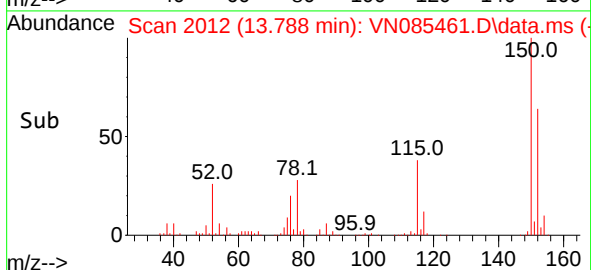
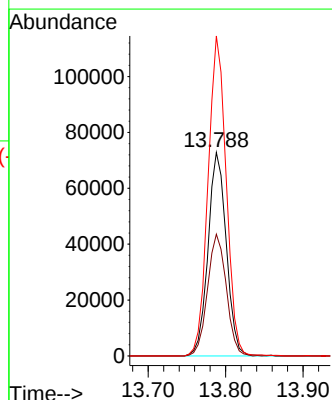
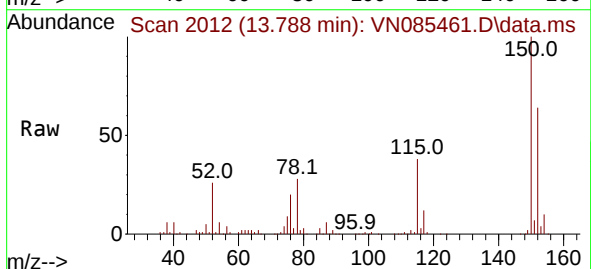
RT: 13.788 min Scan# 2012

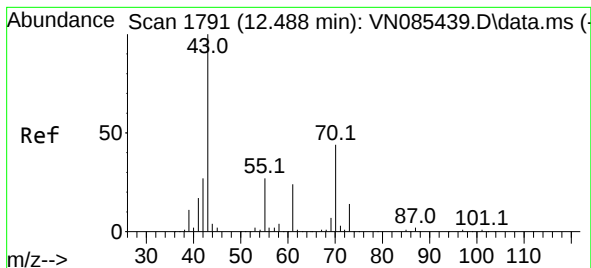
Delta R.T. -0.000 min

Lab File: VN085461.D

Acq: 15 Jan 2025 15:00

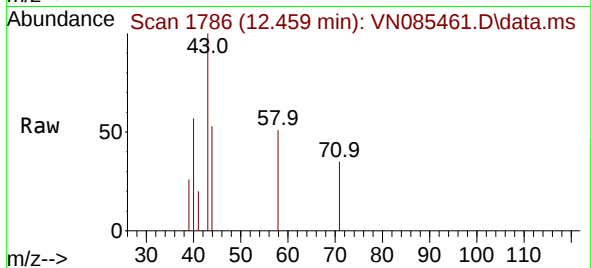
Tgt Ion:	152	Resp:	119167
Ion Ratio	Lower	Upper	
152	100		
115	61.5	31.1	93.3
150	156.2	0.0	343.6



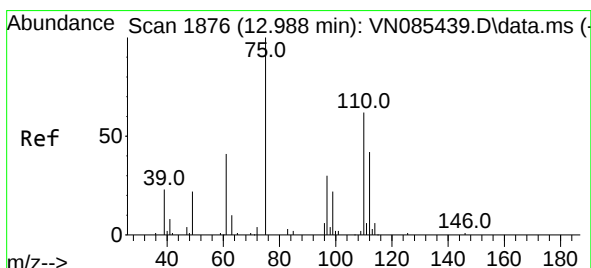
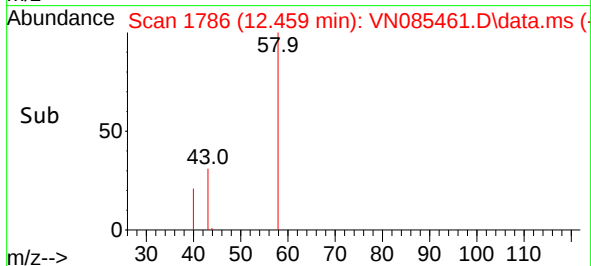
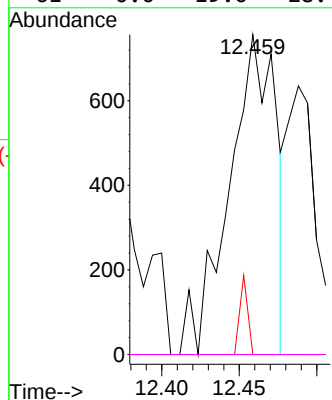


#74
N-amy1 acetate
Concen: 0.441 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Instrument :
MSVOA_N
ClientSampleId :

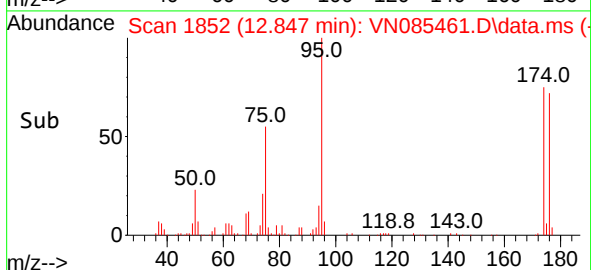
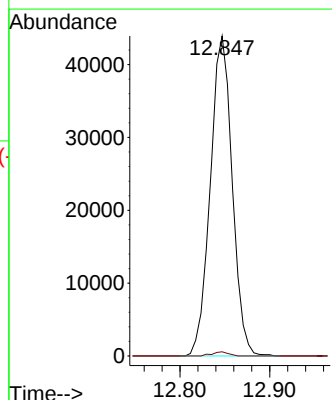
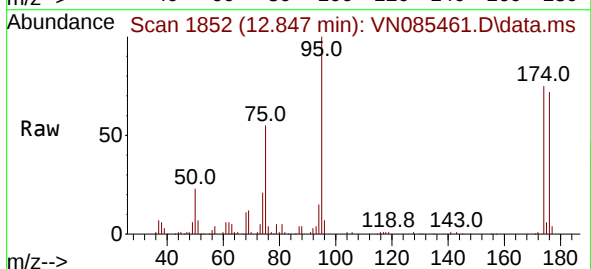


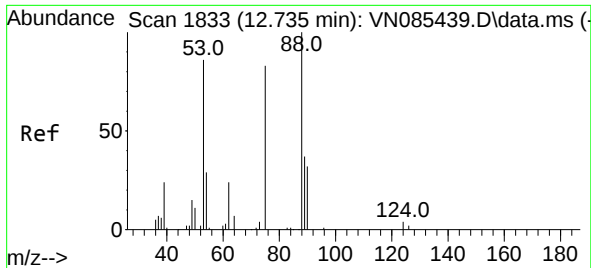
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 4.1 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 30.791 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

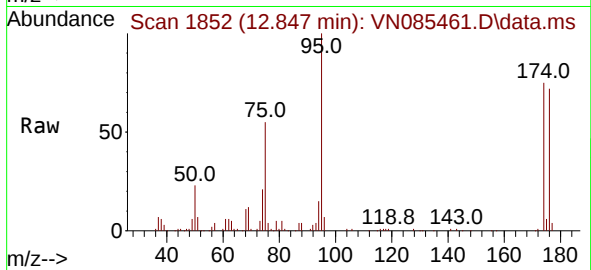
Tgt Ion: 75 Resp: 74578
Ion Ratio Lower Upper
75 100
77 1.0 109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.306 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085461.D
Acq: 15 Jan 2025 15:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 74578
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

