

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085624.D
 Acq On : 03 Feb 2025 16:00
 Operator : JC\MD
 Sample : PB166424ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:59:02 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)

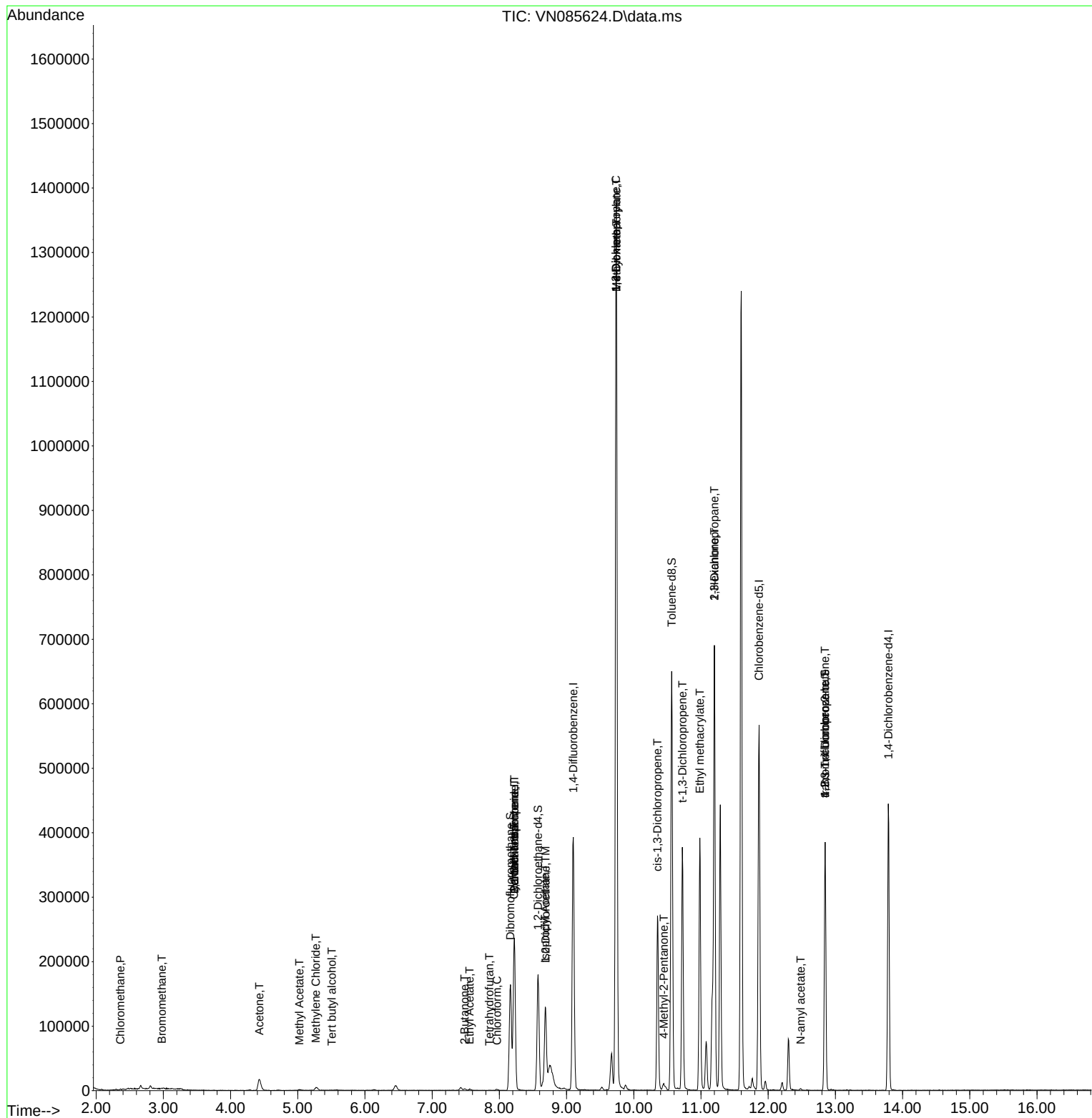
Internal Standards						
1) Pentafluorobenzene	8.224	168	165847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143006	53.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.840%	
35) Dibromofluoromethane	8.165	113	120069	50.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.340%	
50) Toluene-d8	10.565	98	446904	53.079	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.847	95	123090	42.738	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	648	0.267	ug/l #	70
5) Bromomethane	2.977	94	538	0.364	ug/l #	59
11) Tert butyl alcohol	5.506	59	67	0.219	ug/l #	71
16) Acetone	4.430	43	33749	39.016	ug/l #	85
18) Methyl Acetate	5.024	43	1403	0.533	ug/l	96
20) Methylene Chloride	5.271	84	3696	1.726	ug/l #	74
25) 2-Butanone	7.483	43	3977	3.124	ug/l	94
29) Tetrahydrofuran	7.853	42	265	0.328	ug/l #	34
30) Chloroform	7.965	83	1951	0.483	ug/l #	77
31) Cyclohexane	8.218	56	3984	1.173	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15156	4.557	ug/l #	51
37) Ethyl Acetate	7.559	43	3397	1.012	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18104	4.755	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	997	0.265	ug/l #	76
43) Isopropyl Acetate	8.683	43	147932	27.501	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1912	0.749	ug/l #	43
48) Methyl methacrylate	9.741	41	127250	52.567	ug/l #	46
49) 1,4-Dioxane	9.741	88	145	3.557	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10340	3.313	ug/l #	80
53) t-1,3-Dichloropropene	10.724	75	963	0.272	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	48552	12.818	ug/l #	65
56) Ethyl methacrylate	10.982	69	2471	2.546	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6940	1.742	ug/l #	43
59) 2-Hexanone	11.200	43	73087	33.277	ug/l #	62
74) N-amyl acetate	12.482	43	1292	0.369	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	67291	28.661	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67291	77.545	ug/l #	3

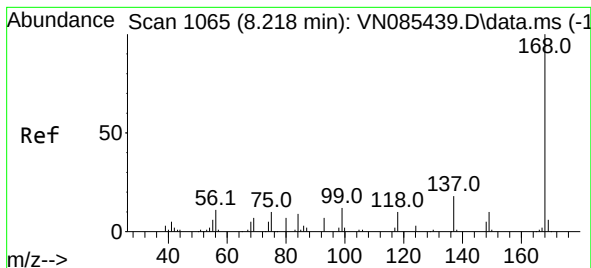
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
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Instrument :
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ClientSampleId :

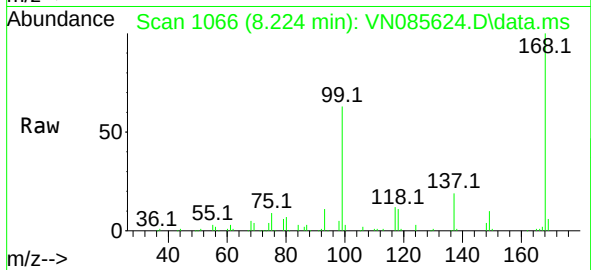
Quant Time: Feb 04 00:59:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



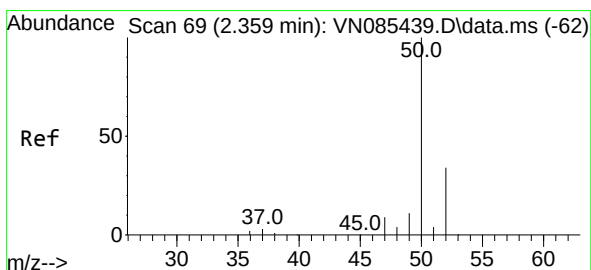
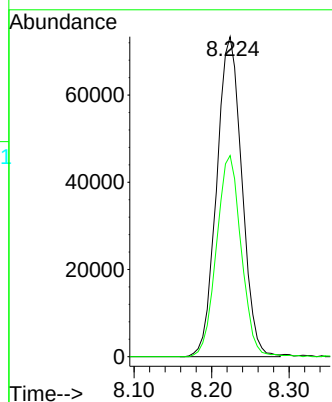
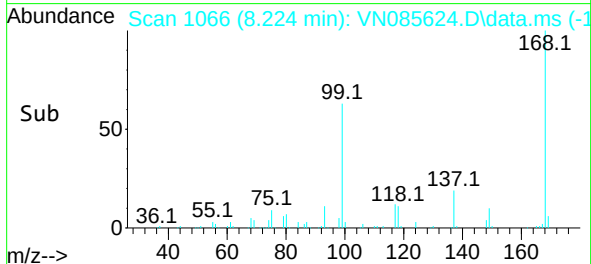


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

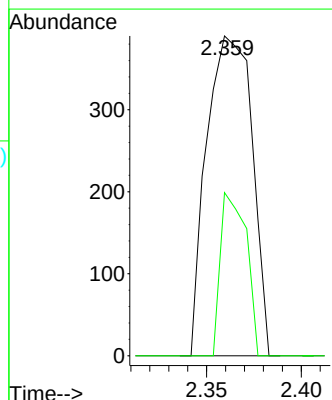
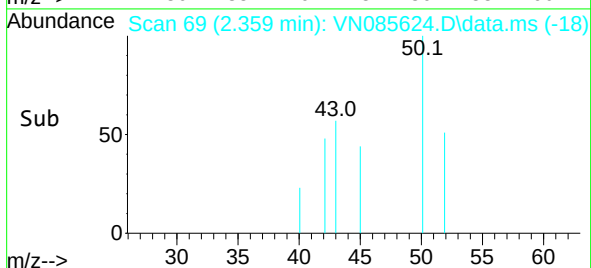
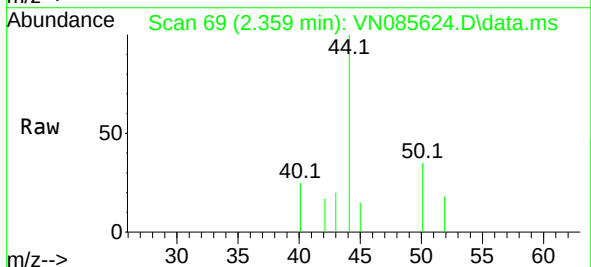


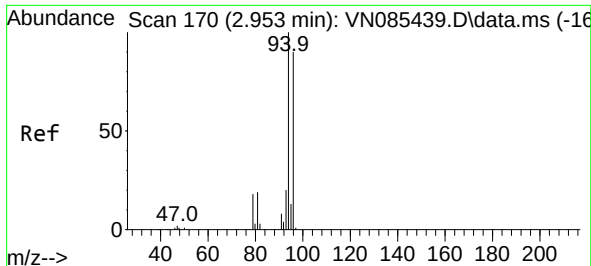
Tgt Ion:168 Resp: 165847
Ion Ratio Lower Upper
168 100
99 62.9 53.6 80.4



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

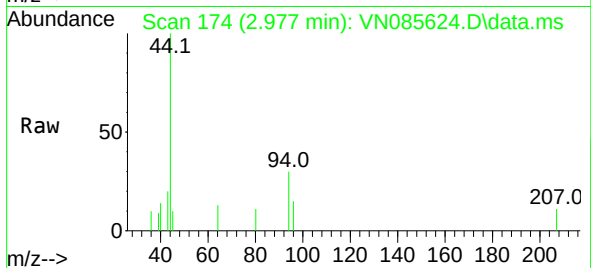
Tgt Ion: 50 Resp: 648
Ion Ratio Lower Upper
50 100
52 51.0 27.0 40.6#



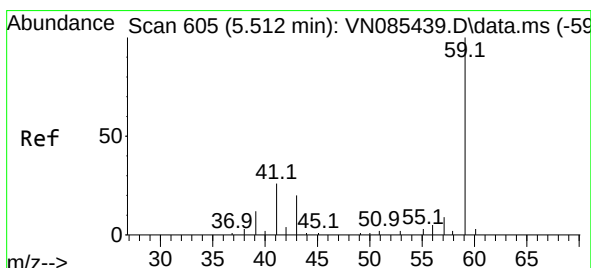
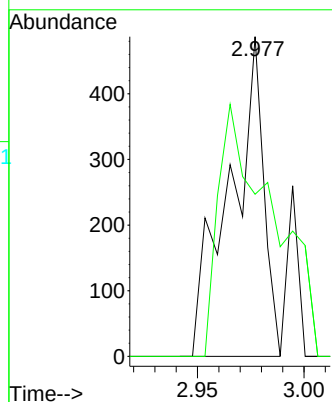
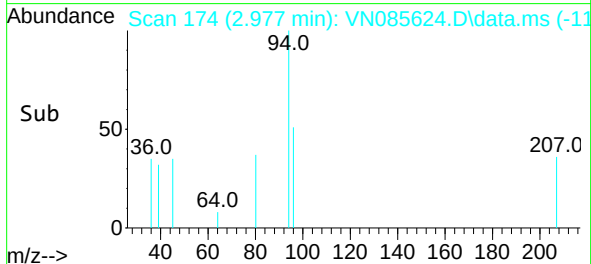


#5
Bromomethane
Concen: 0.364 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

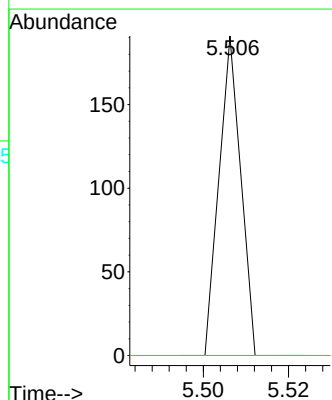
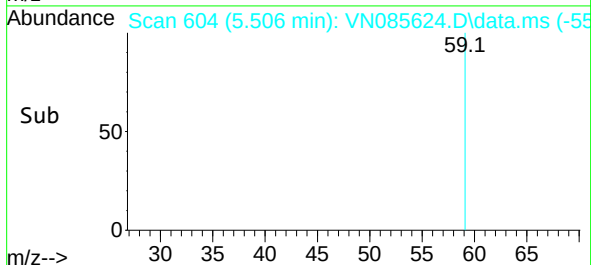
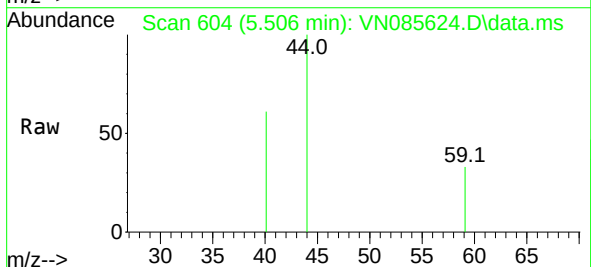


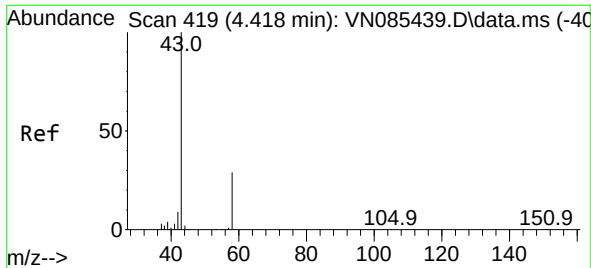
Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 50.7 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

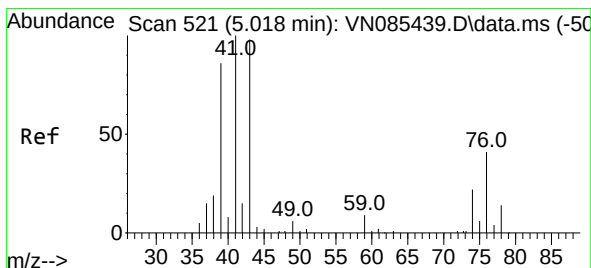
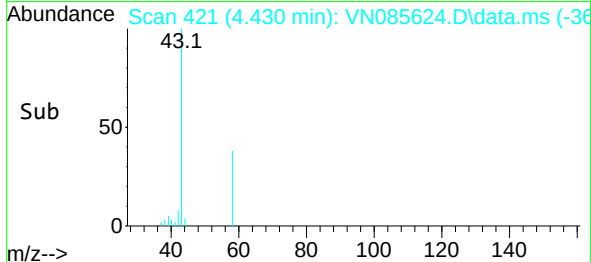
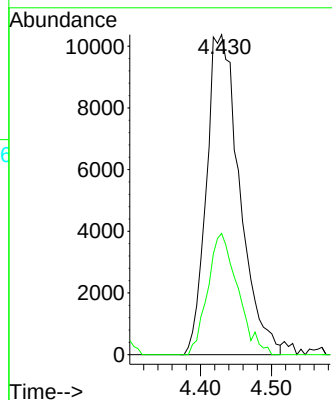
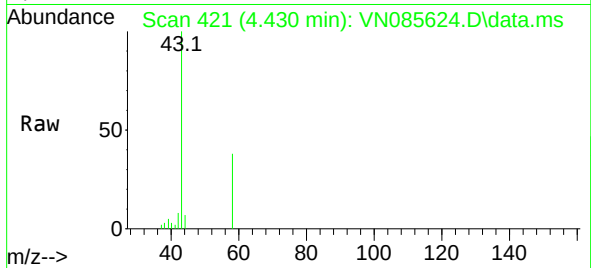




#16
Acetone
Concen: 39.016 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

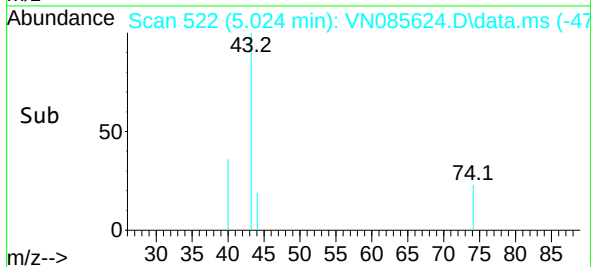
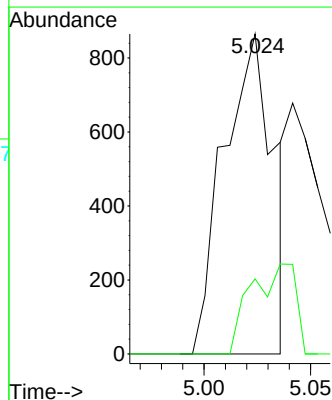
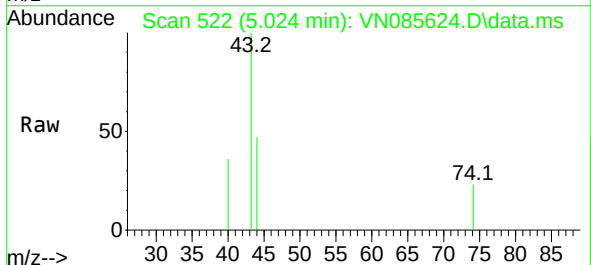
Instrument :
MSVOA_N
ClientSampleId :

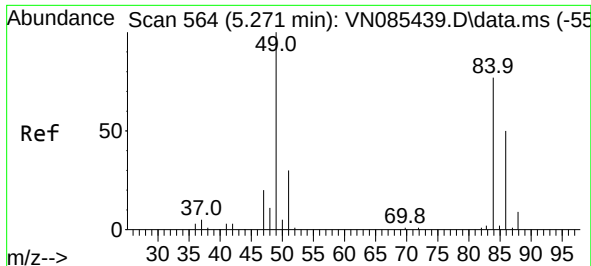
Tgt Ion: 43 Resp: 33749
Ion Ratio Lower Upper
43 100
58 37.9 23.8 35.6#



#18
Methyl Acetate
Concen: 0.533 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

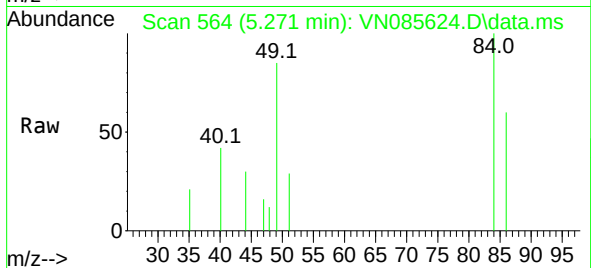
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
74 25.2 18.6 28.0



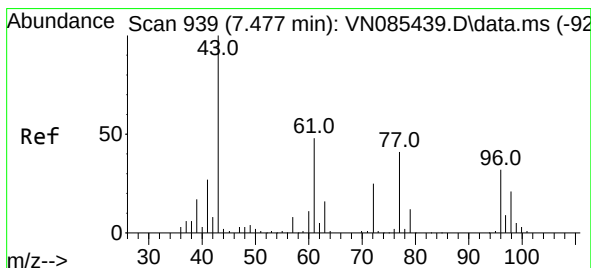
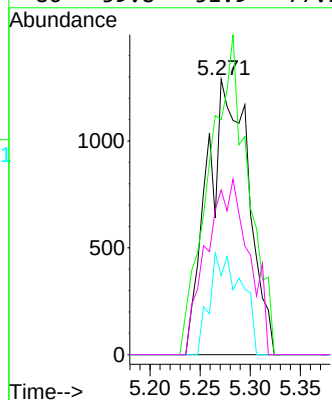


#20
Methylene Chloride
Concen: 1.726 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

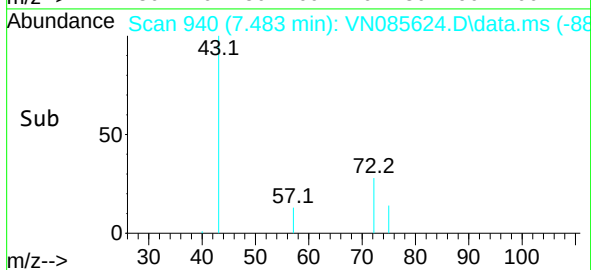
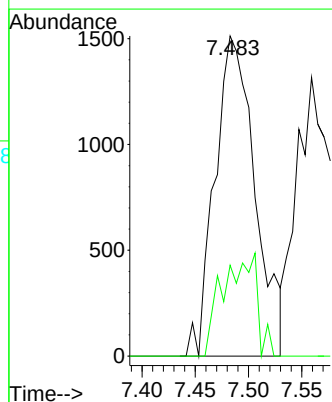
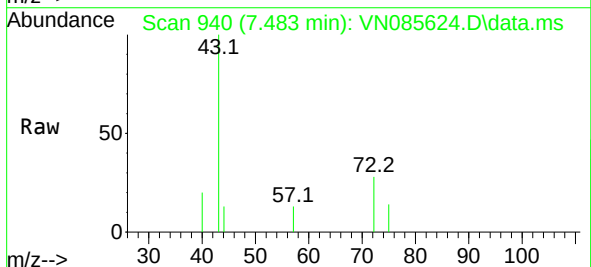


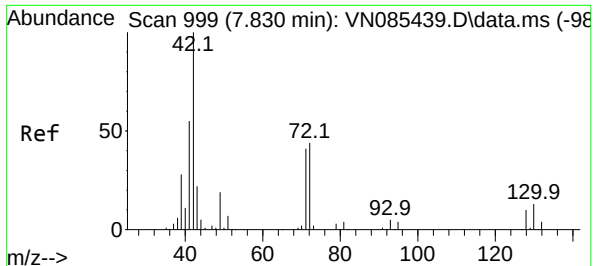
Tgt Ion: 84	Resp: 3696
Ion Ratio	Lower Upper
84 100	
49 85.3	104.1 156.1#
51 28.7	31.0 46.4#
86 59.8	51.9 77.9



#25
2-Butanone
Concen: 3.124 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 43	Resp: 3977		
Ion Ratio	Lower	Upper	
43 100			
72 28.4	20.2	30.4	





#29

Tetrahydrofuran

Concen: 0.328 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.024 min

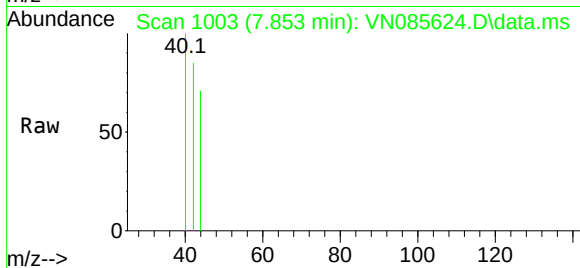
Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

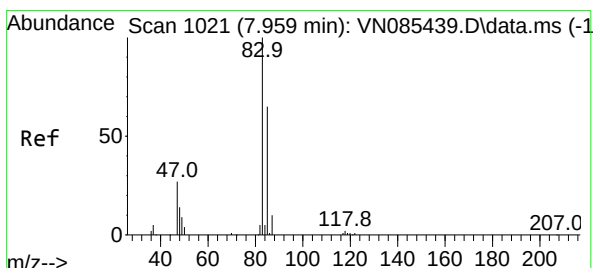
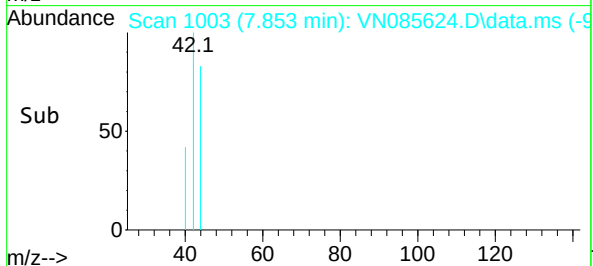
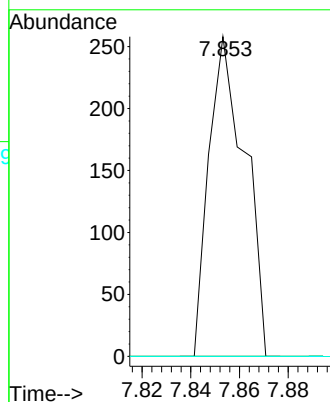
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	265
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.483 ug/l

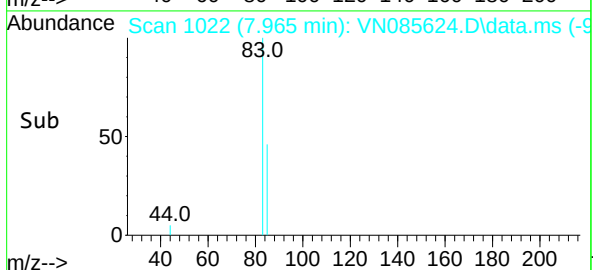
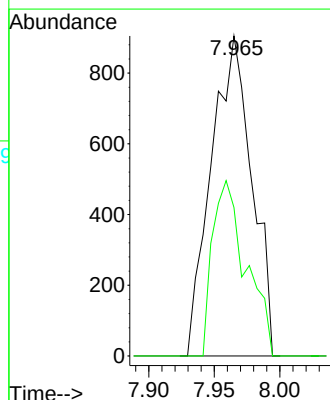
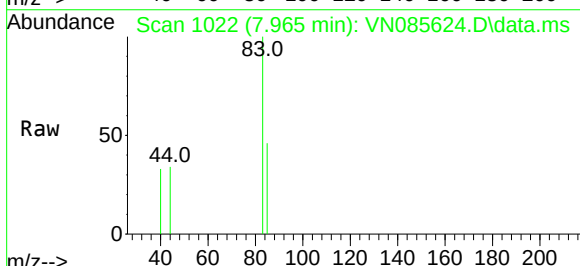
RT: 7.965 min Scan# 1022

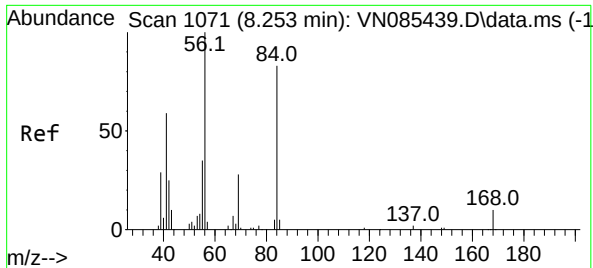
Delta R.T. 0.006 min

Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

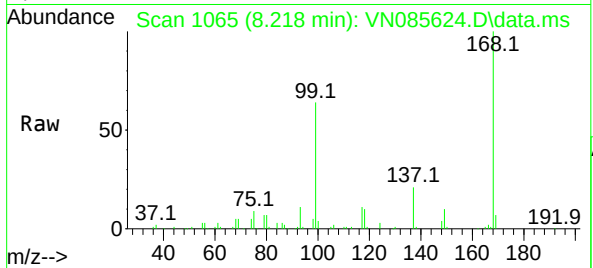
Tgt Ion:	83	Resp:	1951
Ion	Ratio	Lower	Upper
83	100		
85	46.4	51.8	77.6#



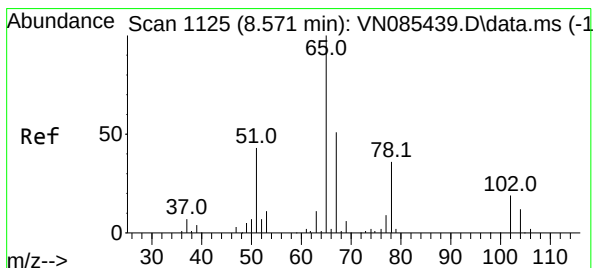
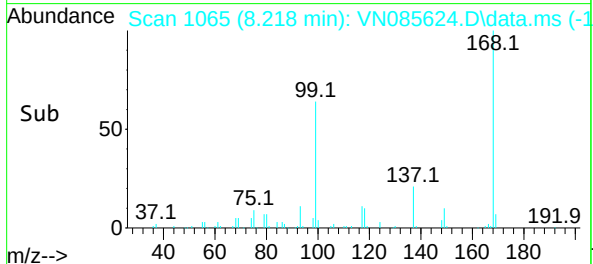
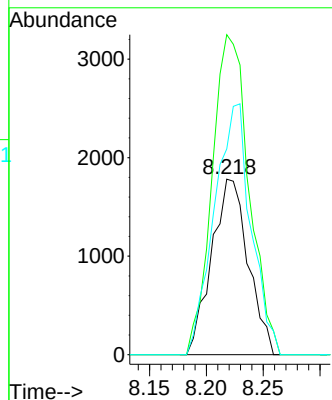


#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

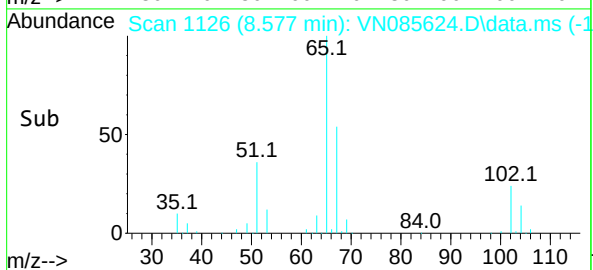
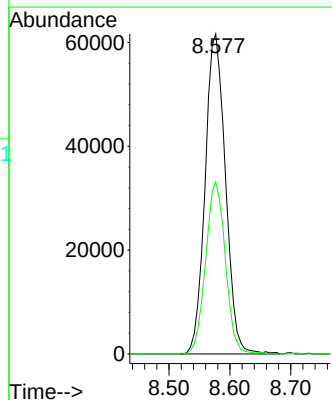
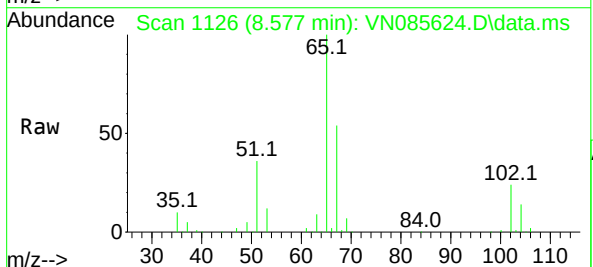


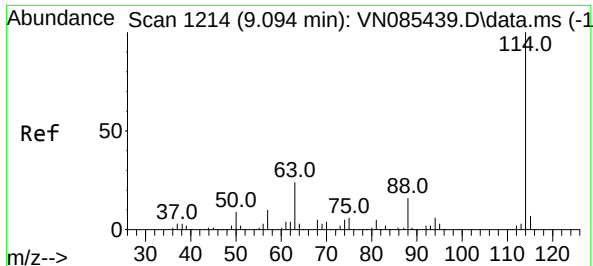
Tgt Ion: 56 Resp: 3984
Ion Ratio Lower Upper
56 100
69 182.3 22.2 33.4#
84 117.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.418 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 65 Resp: 143006
Ion Ratio Lower Upper
65 100
67 52.0 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: VN085624.D

Acq: 03 Feb 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

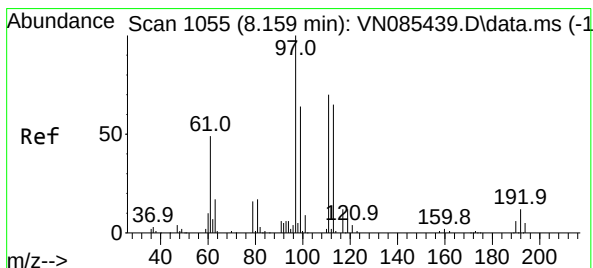
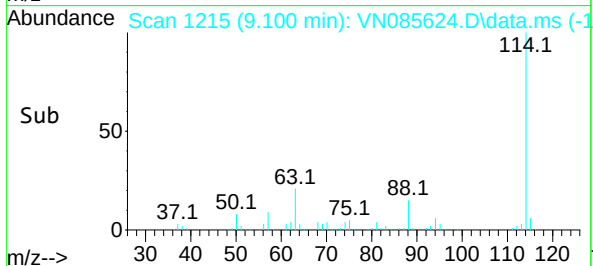
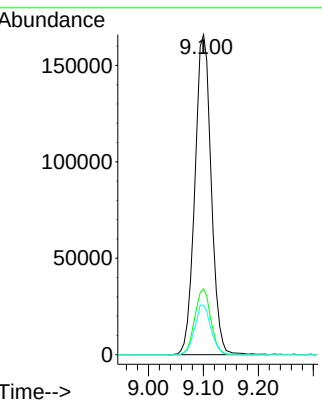
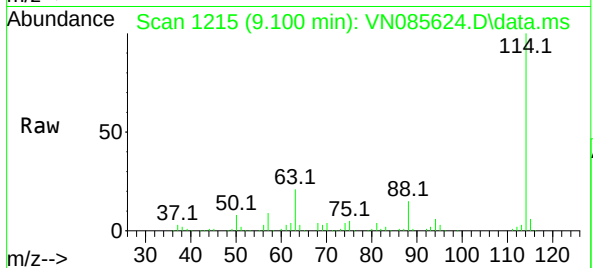
Tgt Ion:114 Resp: 341580

Ion Ratio Lower Upper

114 100

63 20.5 0.0 47.6

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.668 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

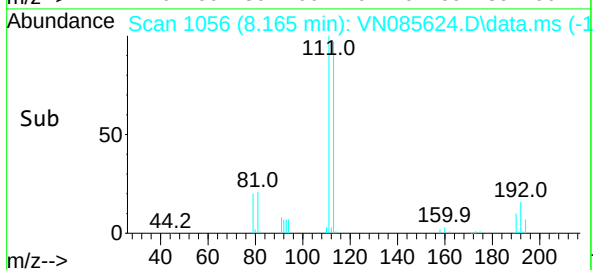
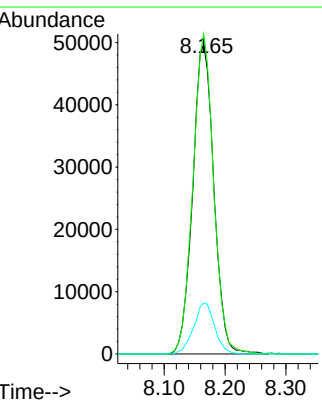
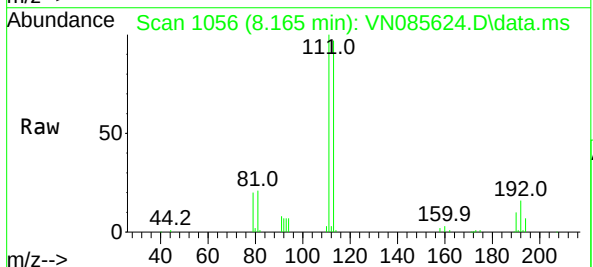
Tgt Ion:113 Resp: 120069

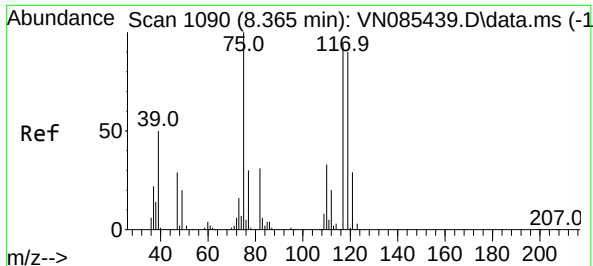
Ion Ratio Lower Upper

113 100

111 101.2 82.7 124.1

192 16.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.557 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

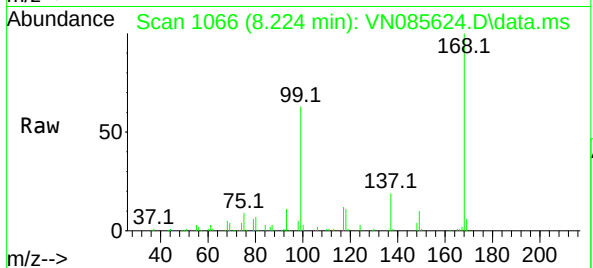
Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

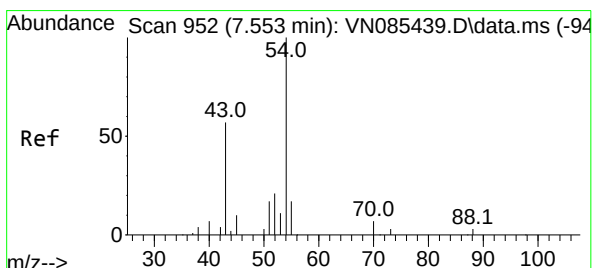
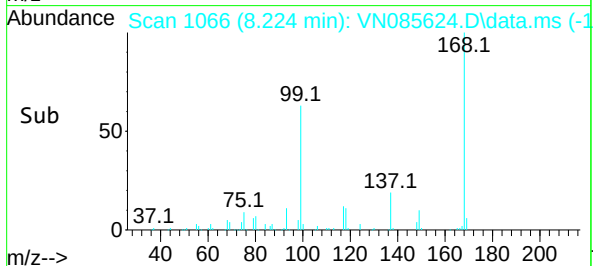
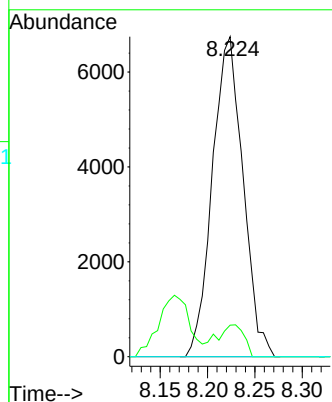
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15156
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.5	49.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 1.012 ug/l

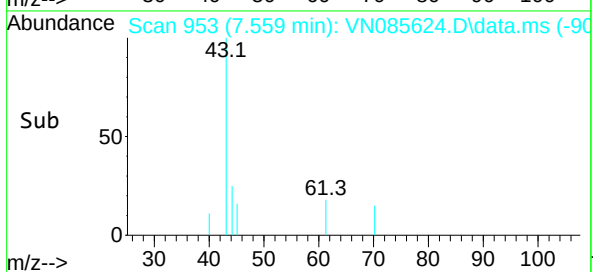
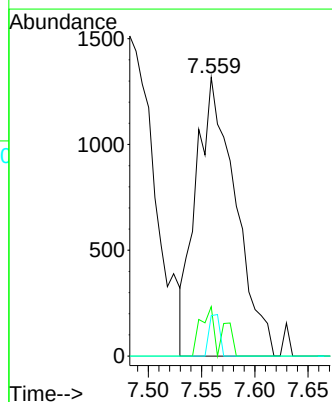
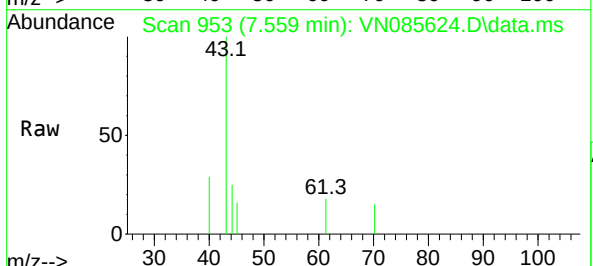
RT: 7.559 min Scan# 953

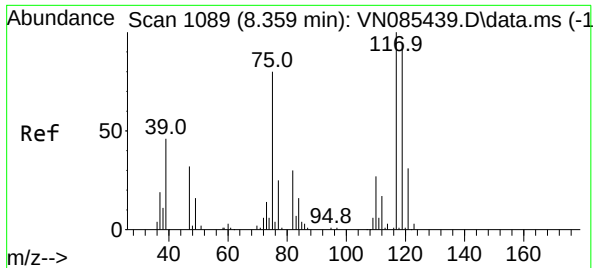
Delta R.T. 0.006 min

Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

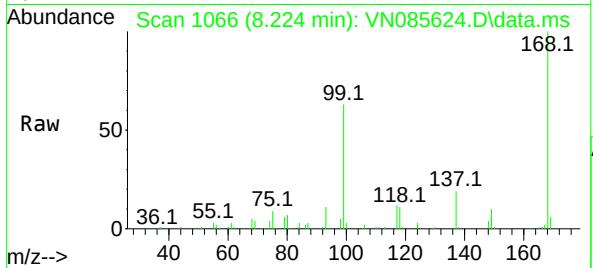
Tgt Ion:	43	Resp:	3397
Ion	Ratio	Lower	Upper
43	100		
61	5.9	10.9	16.3#
70	4.0	7.5	11.3#



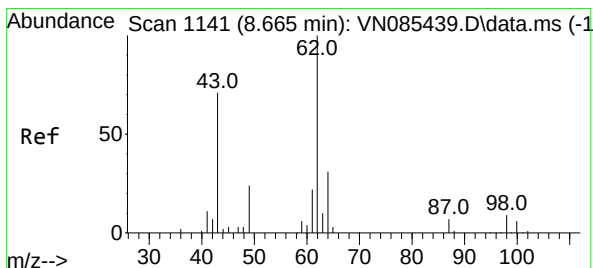
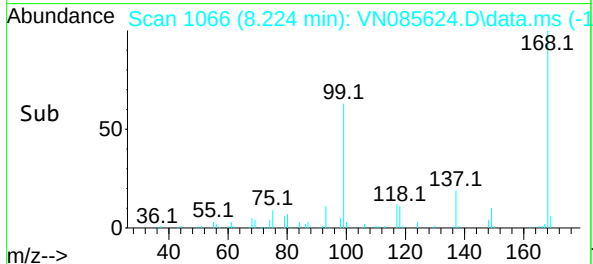
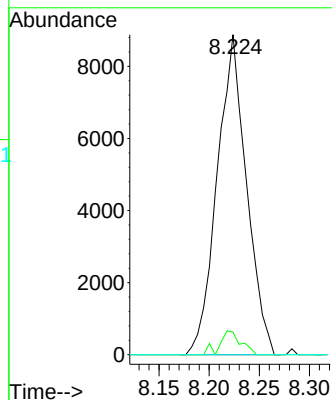


#38
Carbon Tetrachloride
Concen: 4.755 ug/l
RT: 8.224 min Scan# 1104
Delta R.T. -0.135 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

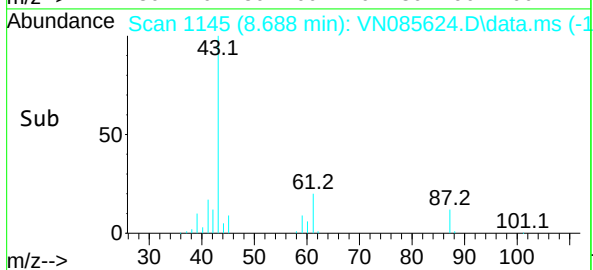
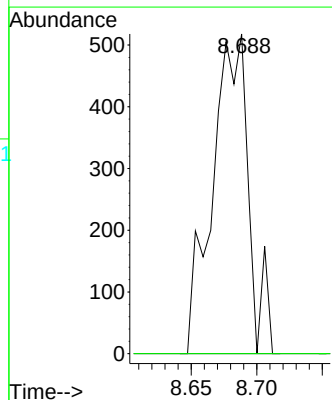
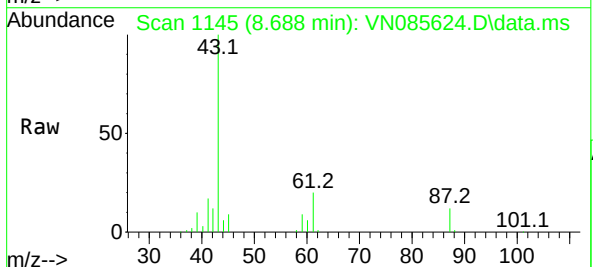


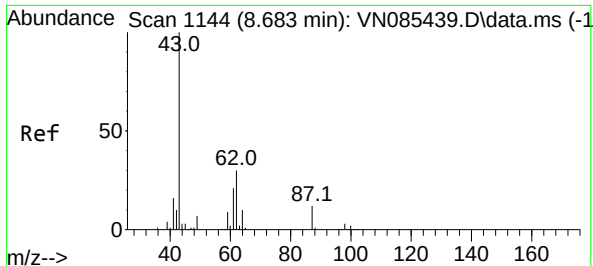
Tgt Ion:117 Resp: 18104
Ion Ratio Lower Upper
117 100
119 7.1 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.024 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 62 Resp: 997
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 27.501 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

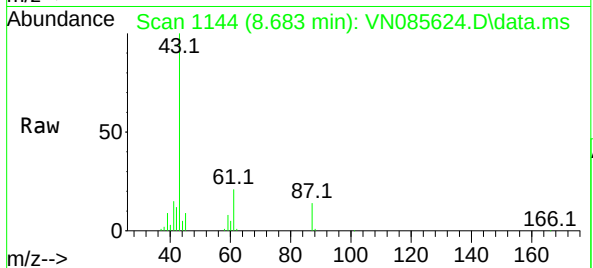
Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :



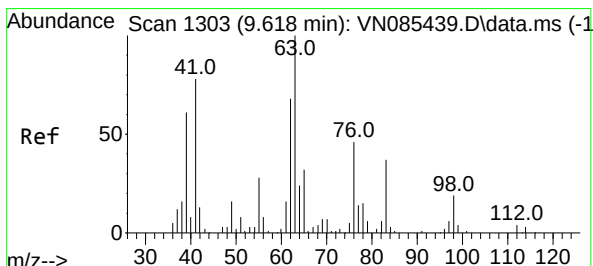
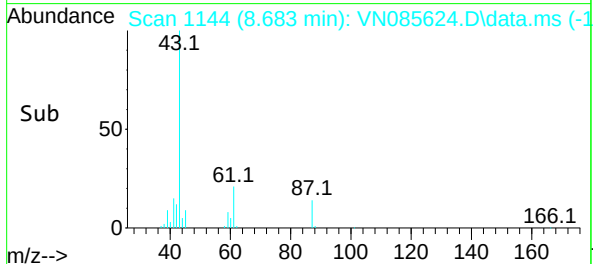
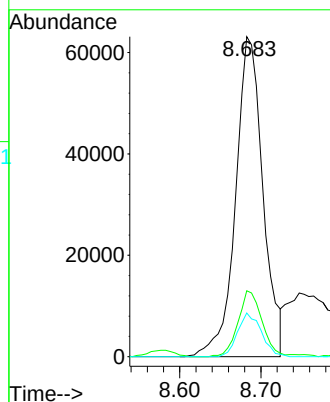
Tgt Ion: 43 Resp: 147932

Ion Ratio Lower Upper

43 100

61 18.0 20.7 31.1#

87 11.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.749 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN085624.D

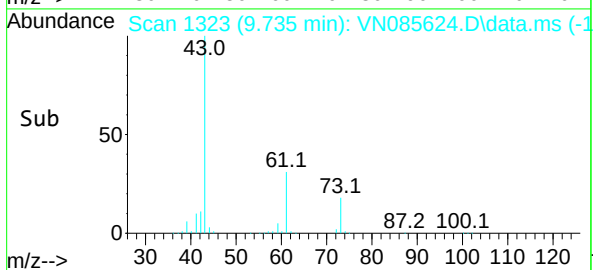
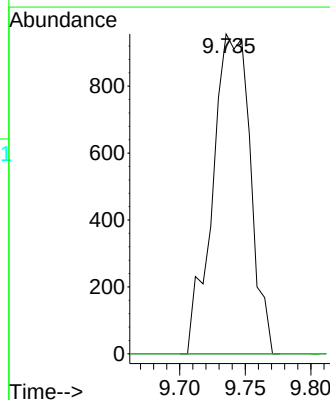
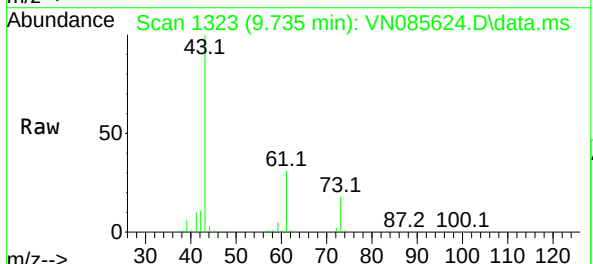
Acq: 03 Feb 2025 16:00

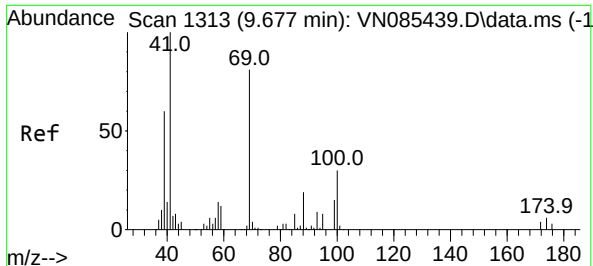
Tgt Ion: 63 Resp: 1912

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#

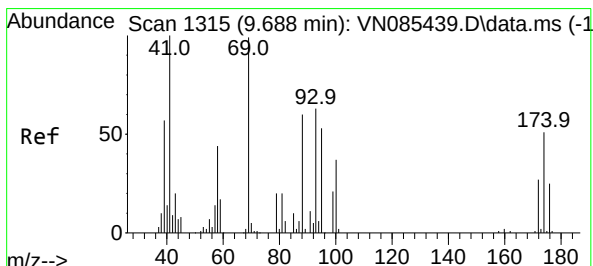
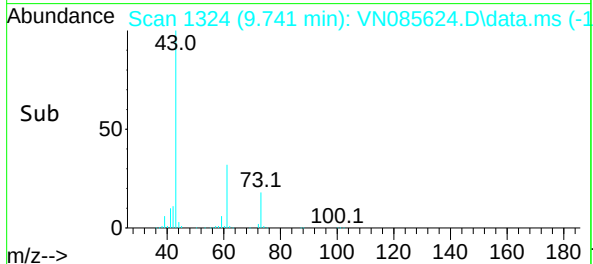
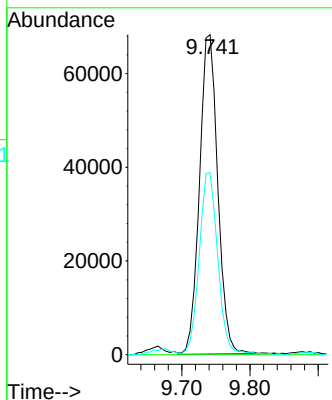
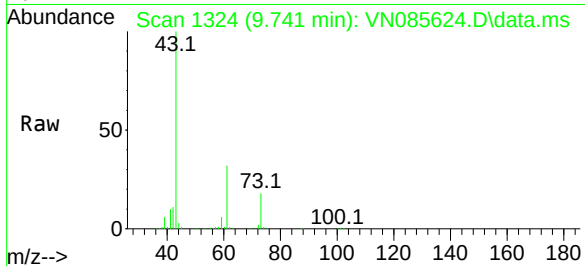




#48
Methyl methacrylate
Concen: 52.567 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.064 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

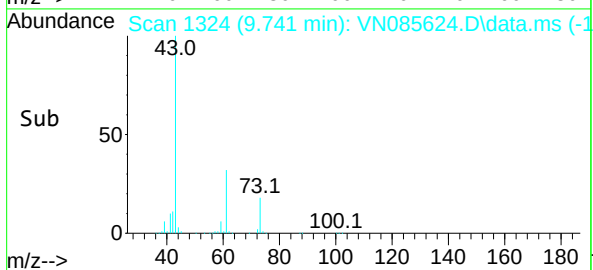
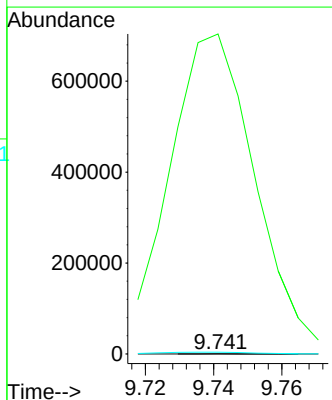
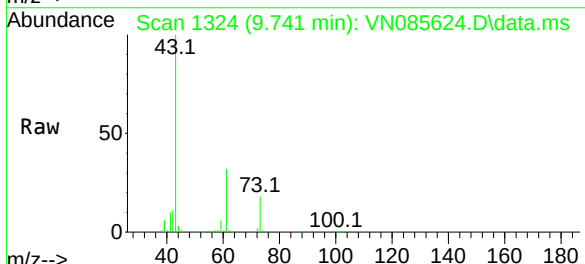
Instrument :
MSVOA_N
ClientSampleId :

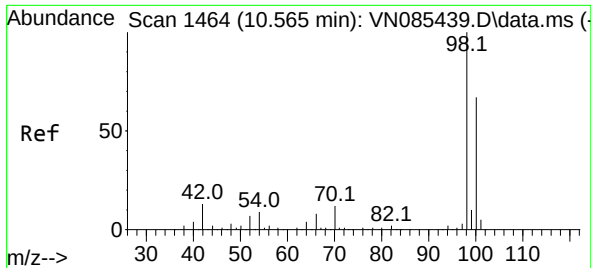
Tgt Ion: 41 Resp: 127250
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 58.2 49.0 73.6



#49
1,4-Dioxane
Concen: 3.557 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.053 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 873281.4 26.6 39.8#
58 5348.3 59.5 89.3#

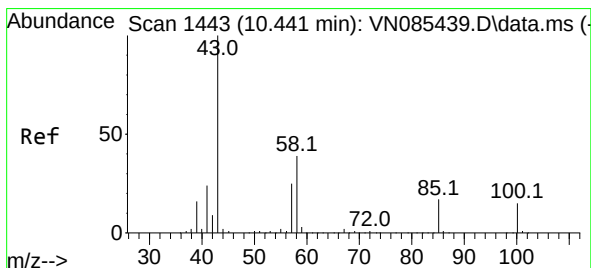
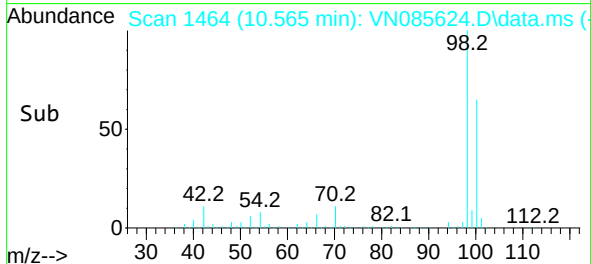
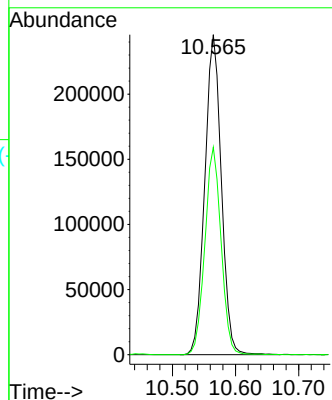
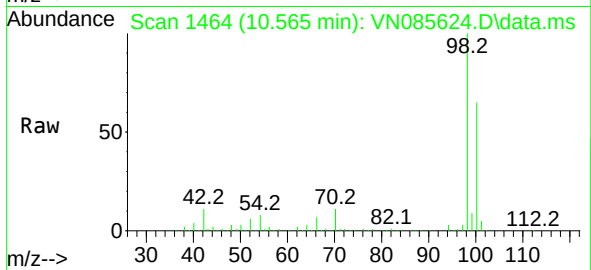




#50
Toluene-d8
Concen: 53.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

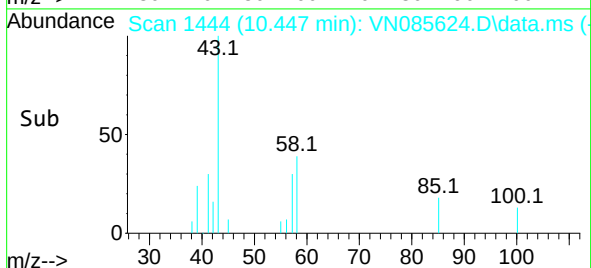
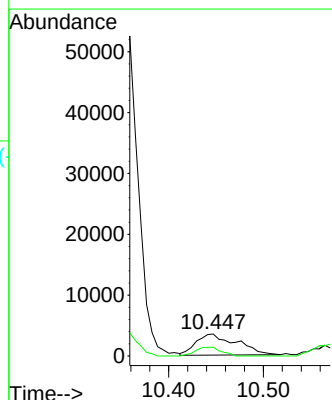
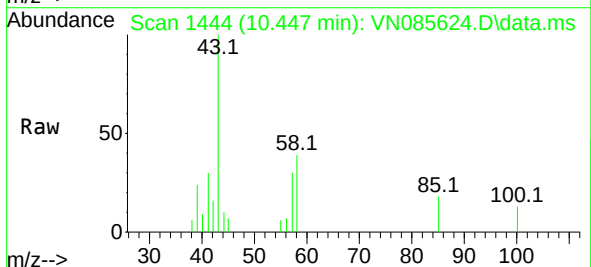
Instrument :
MSVOA_N
ClientSampleId :

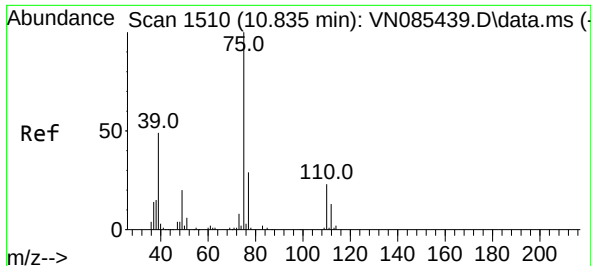
Tgt Ion: 98 Resp: 446904
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.313 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

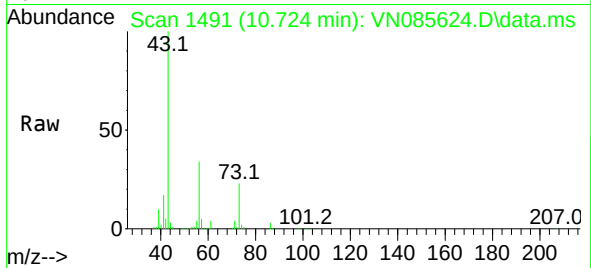
Tgt Ion: 43 Resp: 10340
Ion Ratio Lower Upper
43 100
58 26.1 30.5 45.7#



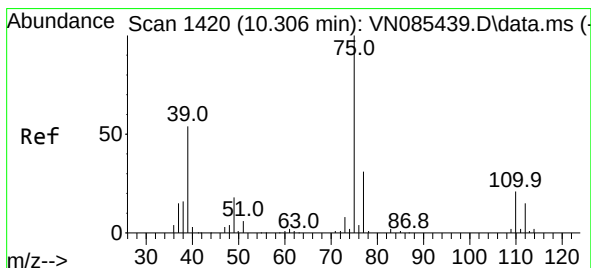
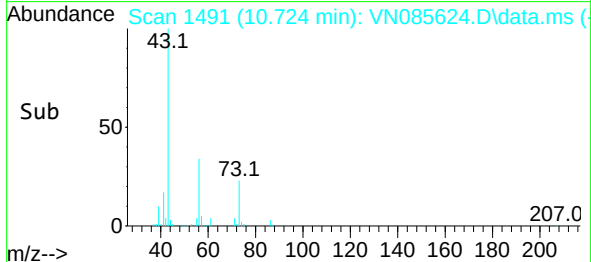
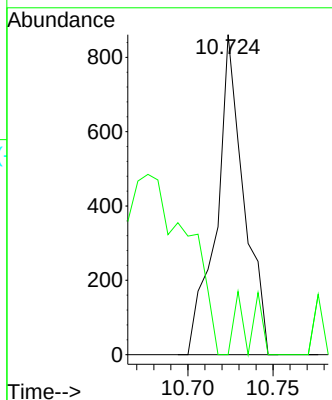


#53
t-1,3-Dichloropropene
Concen: 0.272 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :

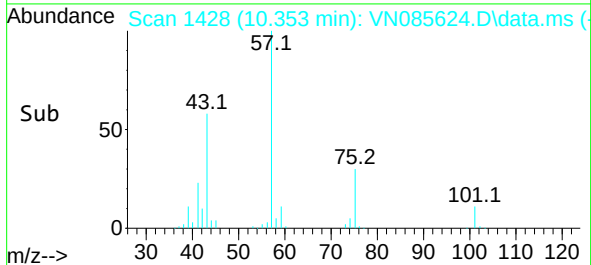
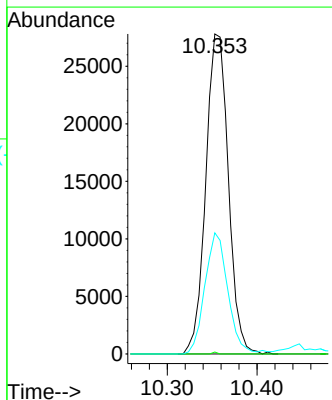
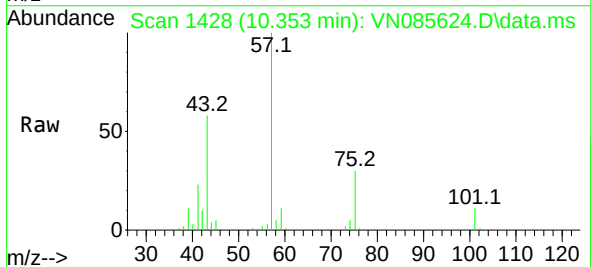


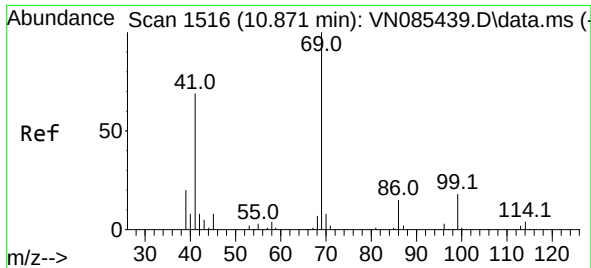
Tgt Ion: 75 Resp: 963
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.818 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 75 Resp: 48552
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 37.8 43.1 64.7#

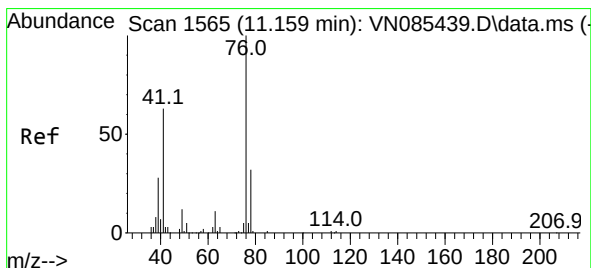
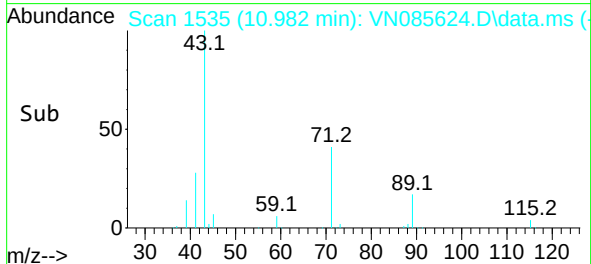
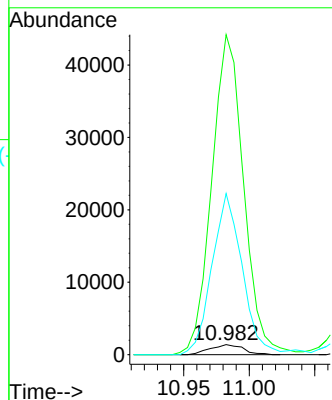
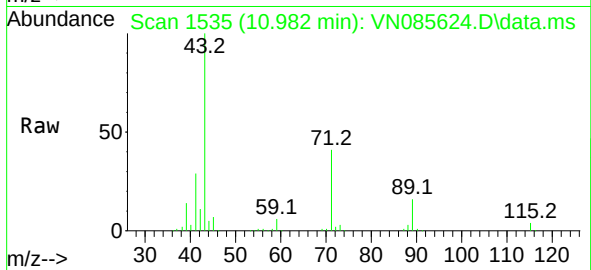




#56
Ethyl methacrylate
Concen: 2.546 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

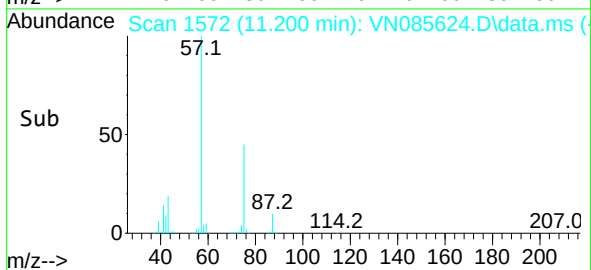
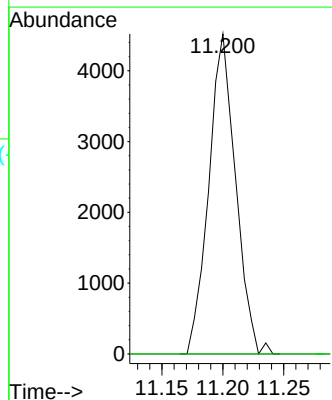
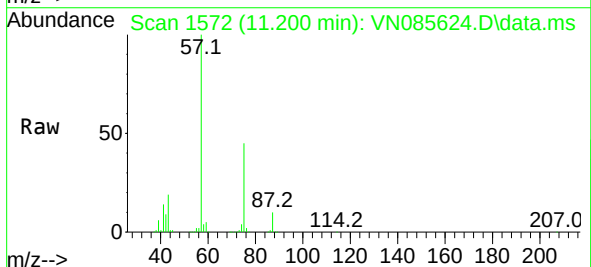
Instrument :
MSVOA_N
ClientSampleId :

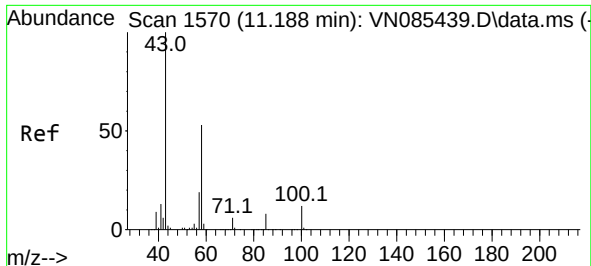
Tgt Ion: 69 Resp: 2471
Ion Ratio Lower Upper
69 100
41 3027.1 54.6 82.0#
39 1444.8 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.742 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 76 Resp: 6940
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

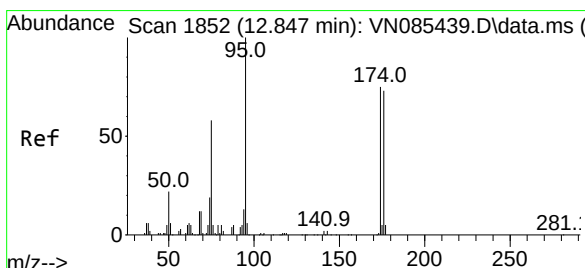
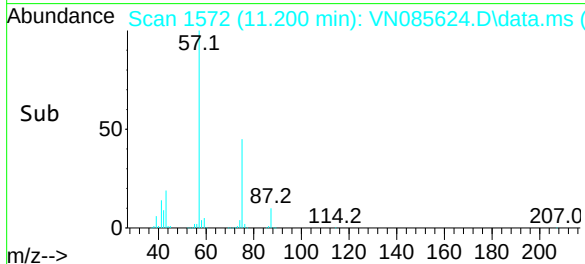
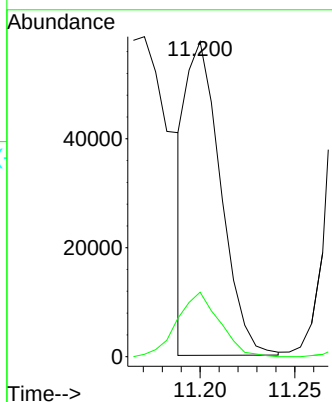
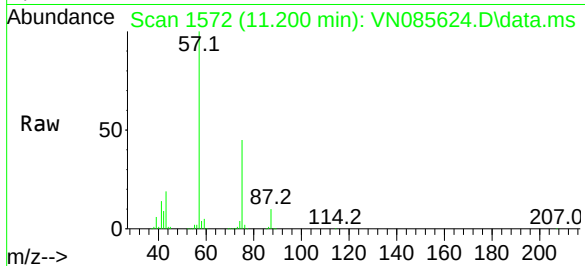




#59
2-Hexanone
Concen: 33.277 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

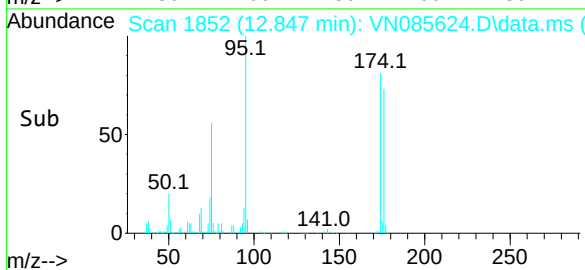
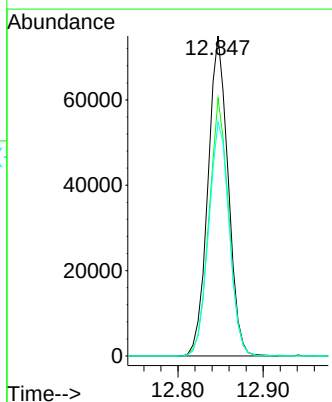
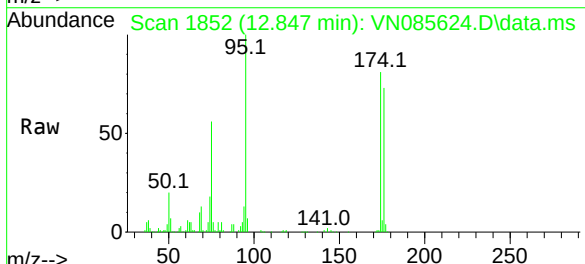
Instrument :
MSVOA_N
ClientSampleId :

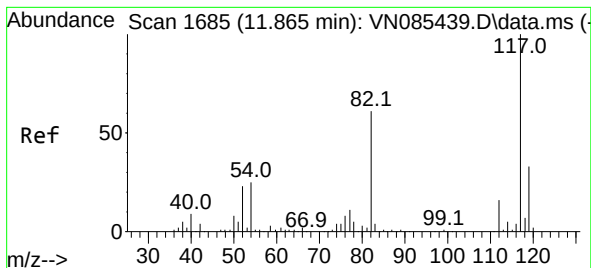
Tgt Ion: 43 Resp: 73087
Ion Ratio Lower Upper
43 100
58 25.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.738 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Tgt Ion: 95 Resp: 123090
Ion Ratio Lower Upper
95 100
174 78.2 0.0 145.0
176 74.6 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

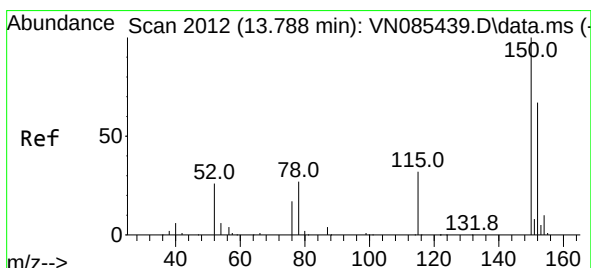
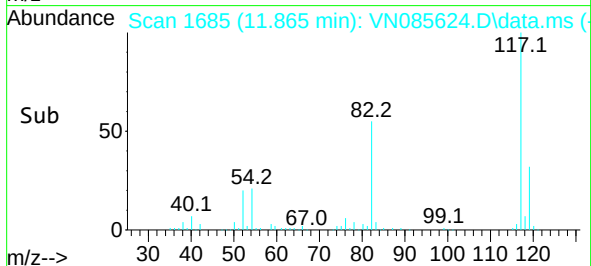
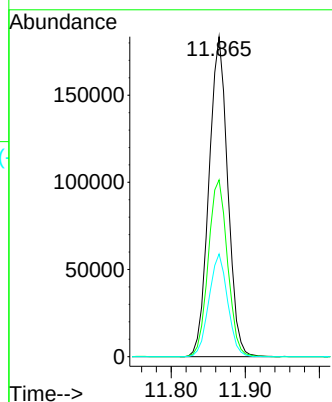
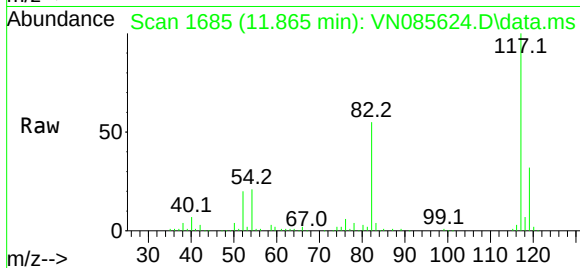
Tgt Ion:117 Resp: 322934

Ion Ratio Lower Upper

117 100

82 55.3 48.6 72.8

119 32.1 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085624.D

Acq: 03 Feb 2025 16:00

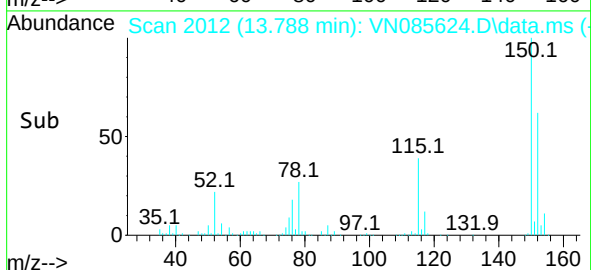
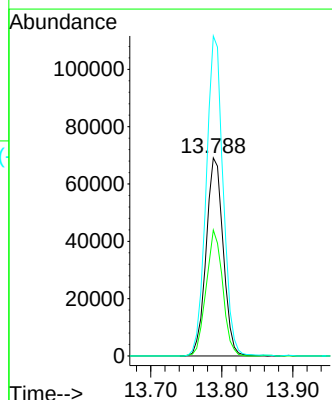
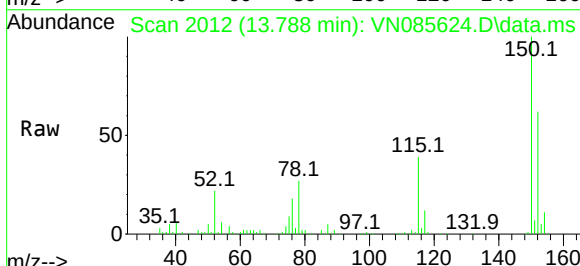
Tgt Ion:152 Resp: 115512

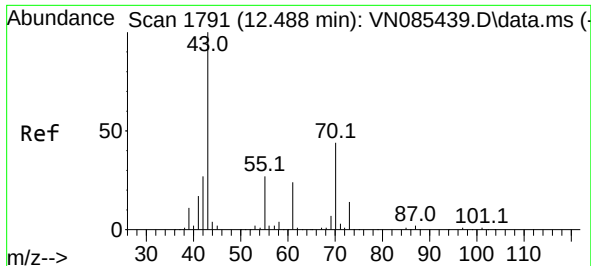
Ion Ratio Lower Upper

152 100

115 61.5 31.1 93.3

150 160.3 0.0 343.6

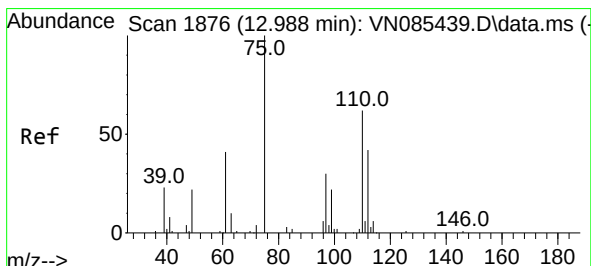
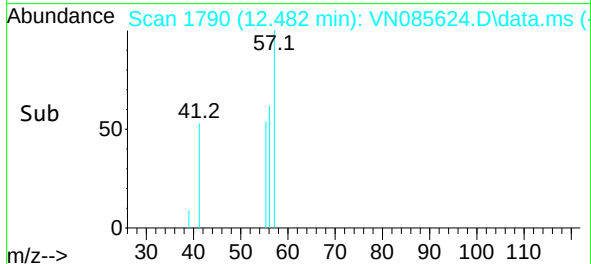
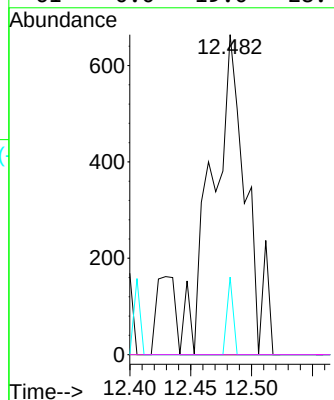
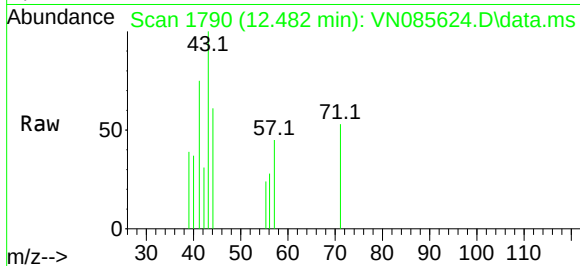




#74
N-amy1 acetate
Concen: 0.369 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

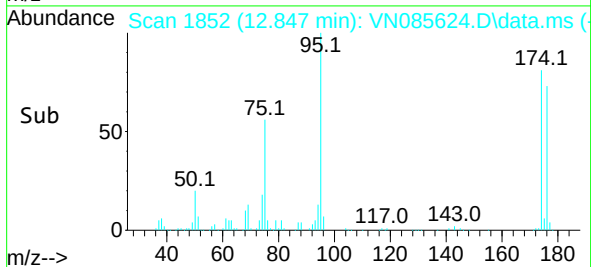
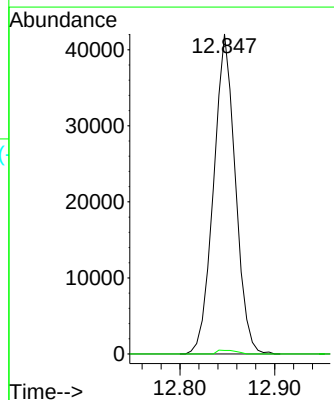
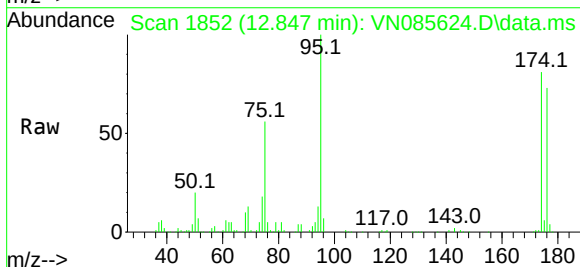
Instrument :
MSVOA_N
ClientSampleId :

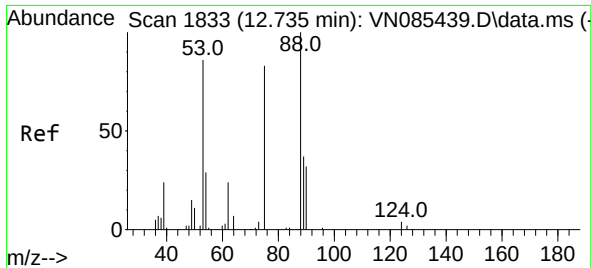
Tgt Ion: 43	Resp:	1292
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.0 51.0#
55	4.4	21.4 32.2#
61	0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 28.661 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

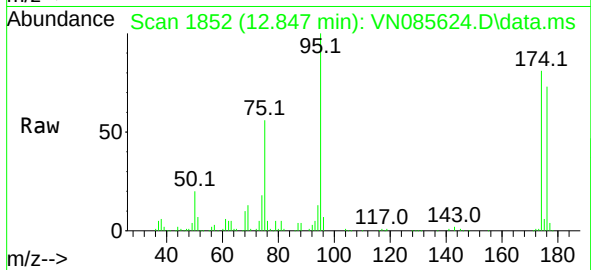
Tgt Ion: 75	Resp:	67291
Ion	Ratio	Lower Upper
75	100	
77	1.0	109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 77.545 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085624.D
Acq: 03 Feb 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 67291
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

