

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085712.D
 Acq On : 07 Feb 2025 21:30
 Operator : JC\MD
 Sample : Q1309-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

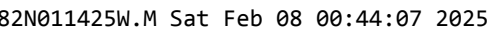
Instrument :
 MSVOA_N
 ClientSampleId :

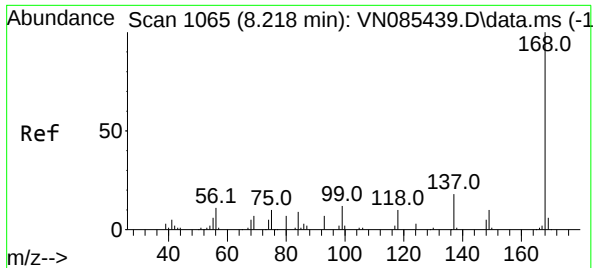
Quant Time: Feb 08 00:43:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	202703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	419706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	179366	54.818	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.640%	
35) Dibromofluoromethane	8.165	113	145665	50.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	540845	52.279	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.847	95	152381	43.059	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.120%	
Target Compounds						Qvalue
13) Acrolein	4.277	56	111	0.217	ug/l #	14
16) Acetone	4.430	43	30670	29.010	ug/l	95
18) Methyl Acetate	5.030	43	3984	1.239	ug/l	91
20) Methylene Chloride	5.277	84	2150	0.821	ug/l #	58
25) 2-Butanone	7.494	43	2108	1.355	ug/l #	87
30) Chloroform	7.965	83	1296	0.262	ug/l	98
31) Cyclohexane	8.224	56	4707	1.134	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18272	4.471	ug/l #	50
37) Ethyl Acetate	7.559	43	4006	0.971	ug/l	98
38) Carbon Tetrachloride	8.224	117	22021	4.707	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1286	0.278	ug/l #	76
43) Isopropyl Acetate	8.688	43	238954	36.154	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	2102	0.670	ug/l #	43
48) Methyl methacrylate	9.665	41	5196	1.747	ug/l #	43
51) 4-Methyl-2-Pentanone	10.435	43	5419	1.413	ug/l #	85
54) cis-1,3-Dichloropropene	10.353	75	56739	12.191	ug/l #	64
56) Ethyl methacrylate	10.982	69	2881	2.515	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8304	1.696	ug/l #	43
59) 2-Hexanone	11.200	43	88362	32.743	ug/l #	61
74) N-amyl acetate	12.476	43	2065	0.485	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	80660	28.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80660	76.437	ug/l #	3

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

Quant Time: Feb 08 00:43:56 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

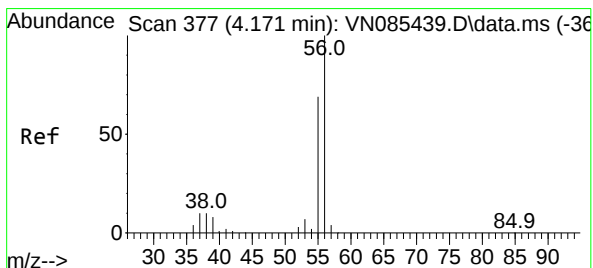
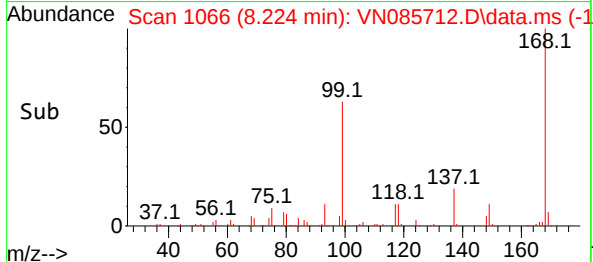
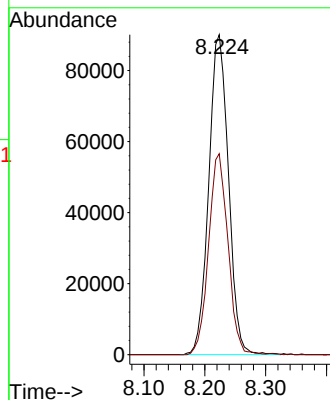
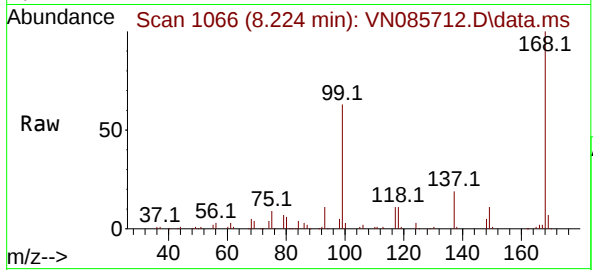




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

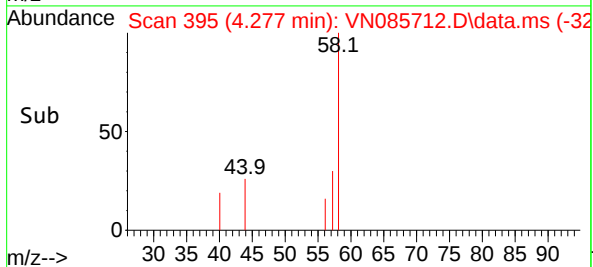
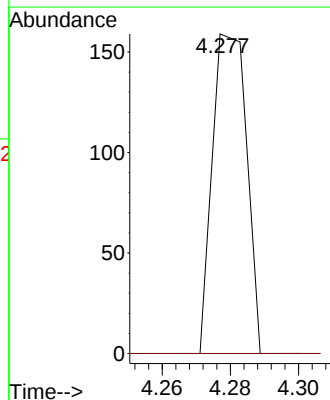
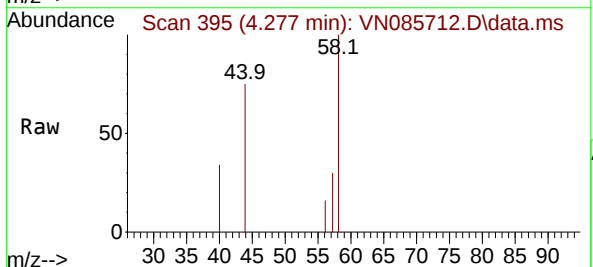
Instrument :
MSVOA_N
ClientSampleId :

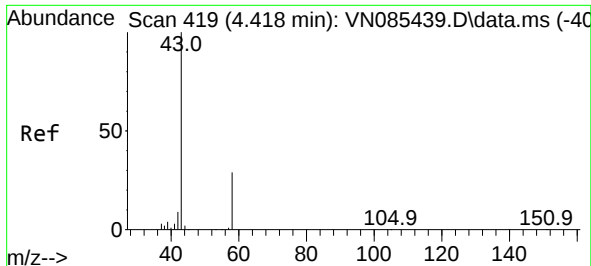
Tgt Ion:168 Resp: 202703
Ion Ratio Lower Upper
168 100
99 62.8 53.6 80.4



#13
Acrolein
Concen: 0.217 ug/l
RT: 4.277 min Scan# 395
Delta R.T. 0.106 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

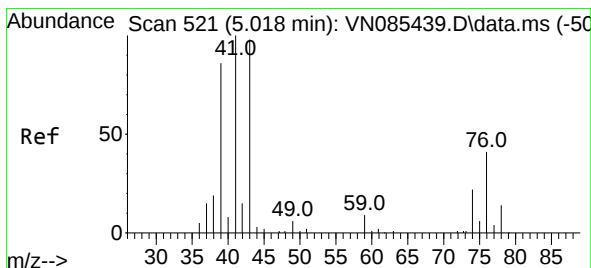
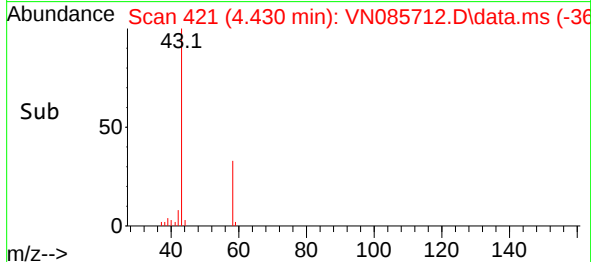
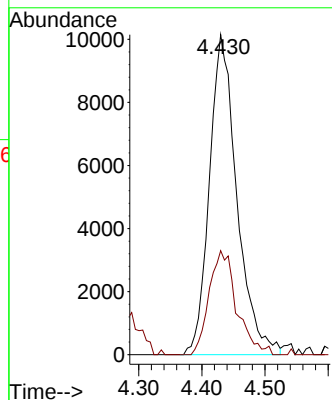
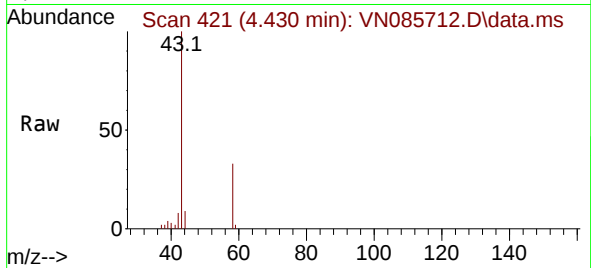




#16
Acetone
Concen: 29.010 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

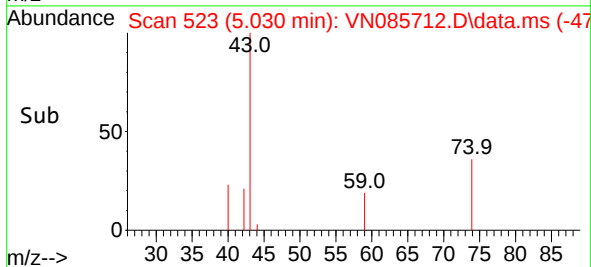
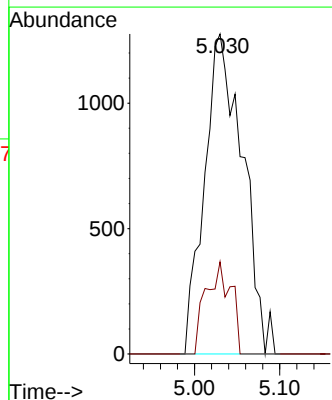
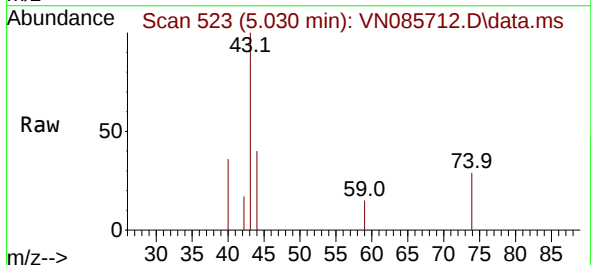
Instrument :
MSVOA_N
ClientSampleId :

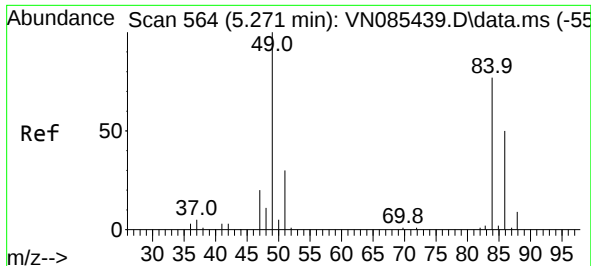
Tgt Ion: 43 Resp: 30670
Ion Ratio Lower Upper
43 100
58 32.5 23.8 35.6



#18
Methyl Acetate
Concen: 1.239 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

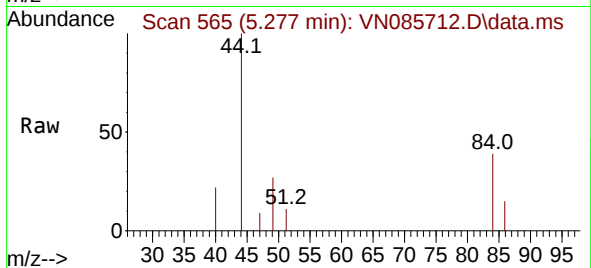
Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
74 18.7 18.6 28.0



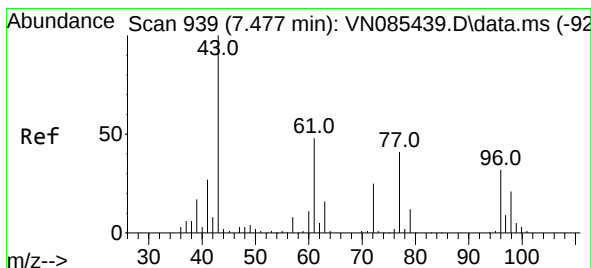
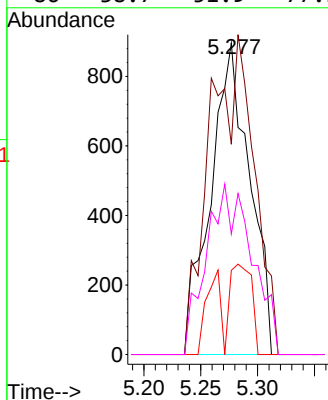
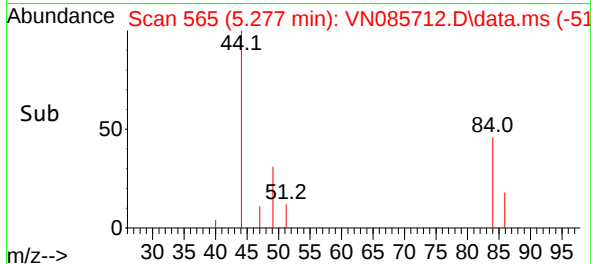


#20
Methylene Chloride
Concen: 0.821 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Instrument :
MSVOA_N
ClientSampleId :

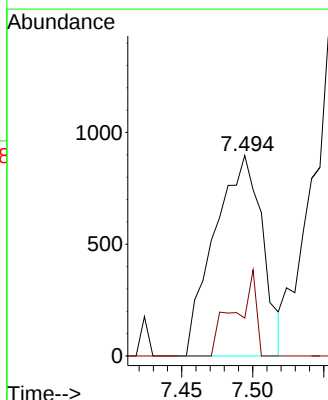
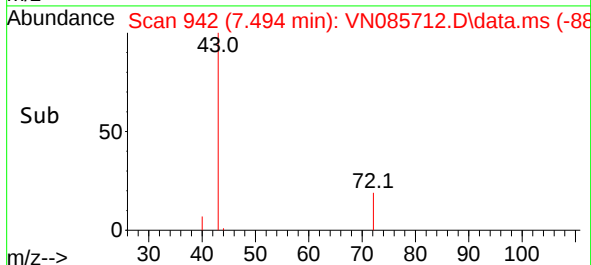
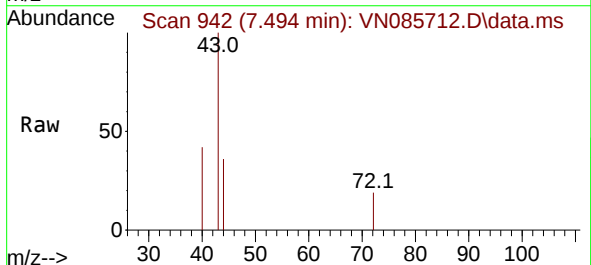


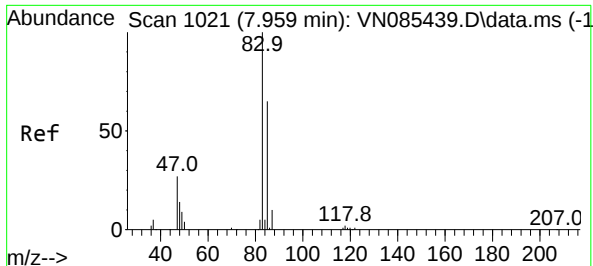
Tgt Ion: 84 Resp: 2150
Ion Ratio Lower Upper
84 100
49 67.5 104.1 156.1#
51 27.0 31.0 46.4#
86 38.7 51.9 77.9#



#25
2-Butanone
Concen: 1.355 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
72 19.0 20.2 30.4#





#30

Chloroform

Concen: 0.262 ug/l

RT: 7.965 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

Instrument :

MSVOA_N

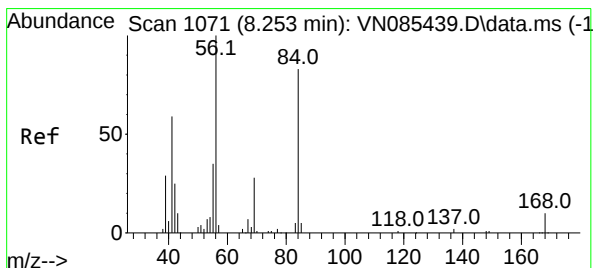
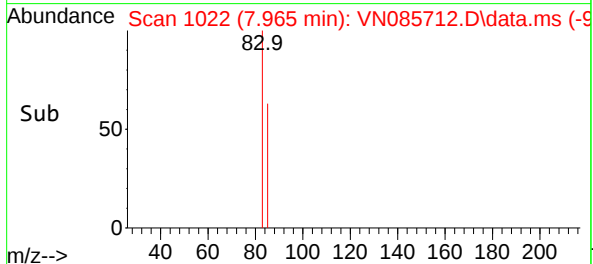
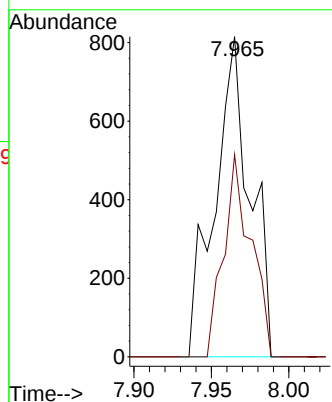
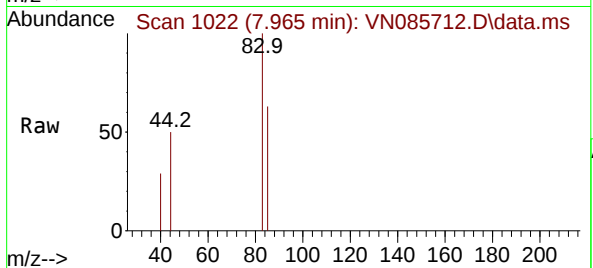
ClientSampleId :

Tgt Ion: 83 Resp: 1296

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.6



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

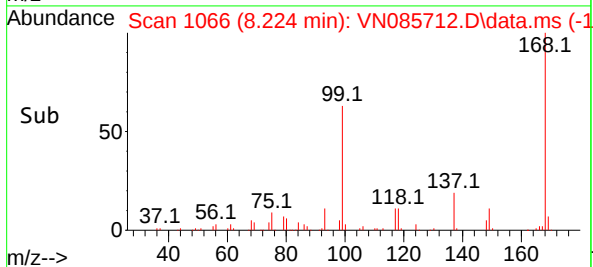
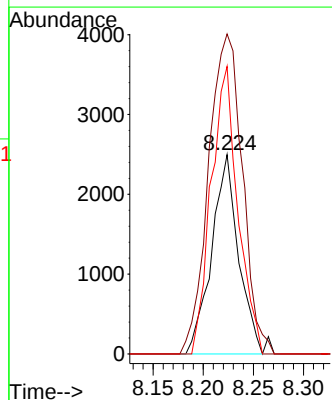
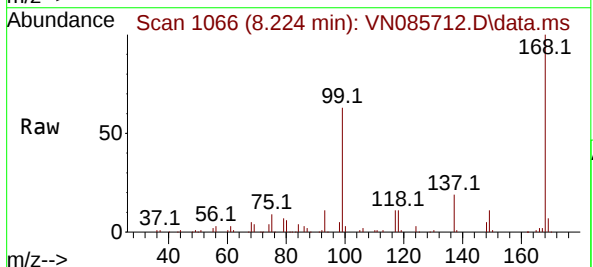
Tgt Ion: 56 Resp: 4707

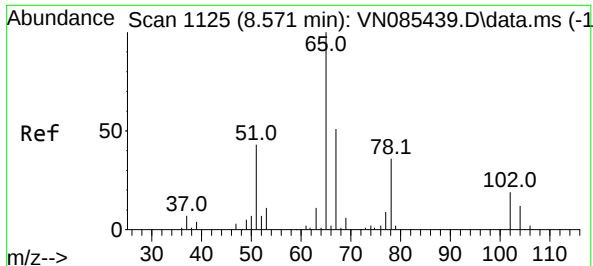
Ion Ratio Lower Upper

56 100

69 160.5 22.2 33.4#

84 144.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.818 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

Instrument :

MSVOA_N

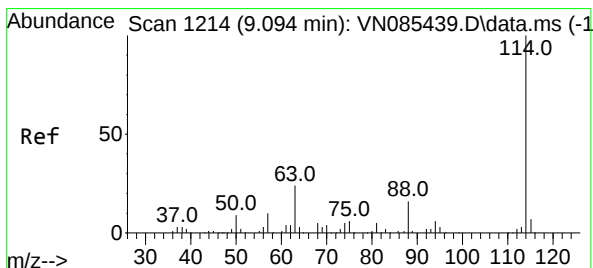
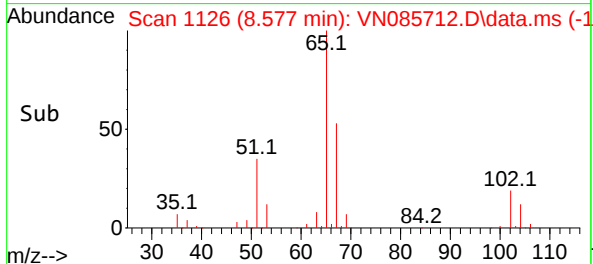
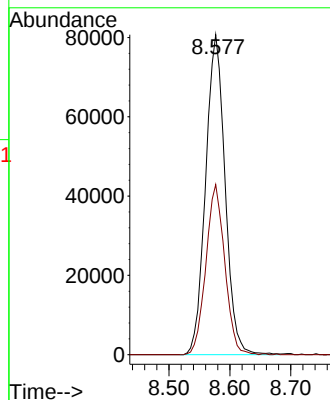
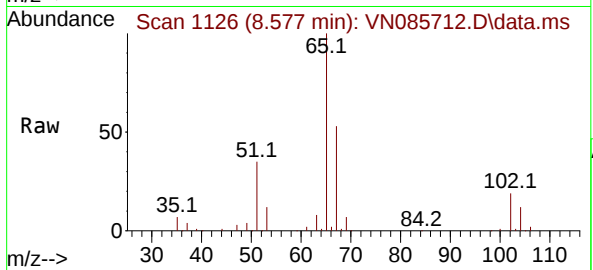
ClientSampleId :

Tgt Ion: 65 Resp: 179366

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

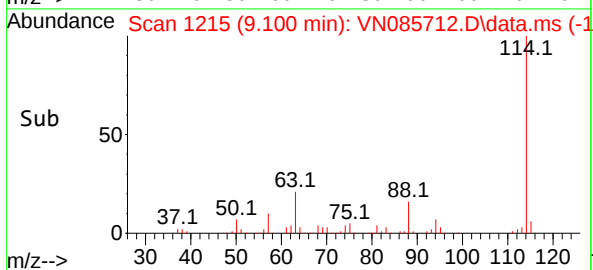
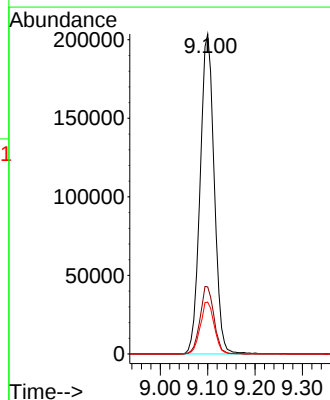
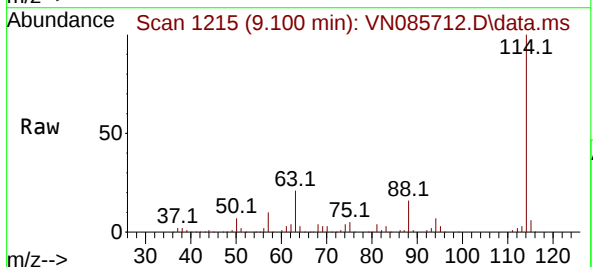
Tgt Ion: 114 Resp: 419706

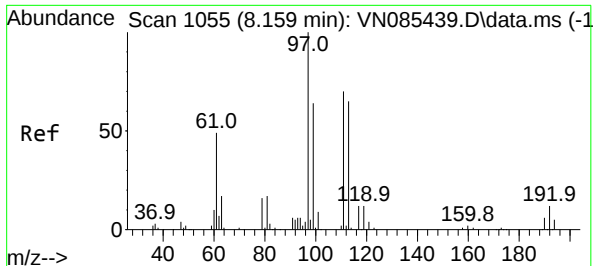
Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.6

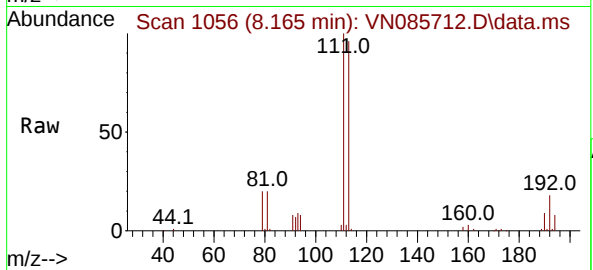
88 16.2 0.0 32.6



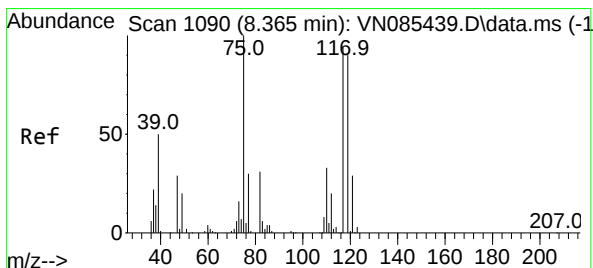
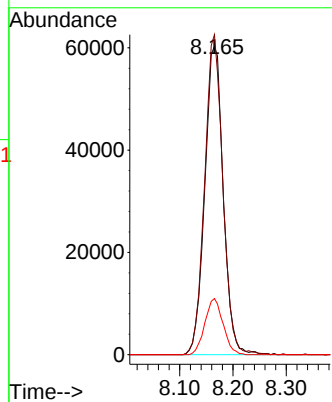
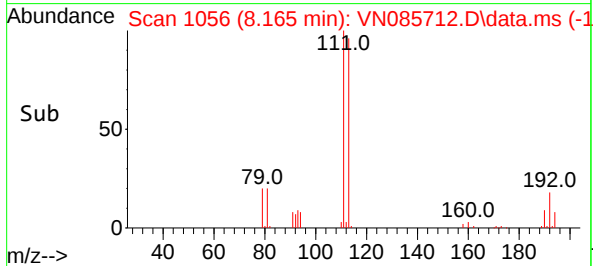


#35
Dibromofluoromethane
Concen: 50.027 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Instrument :
MSVOA_N
ClientSampleId :

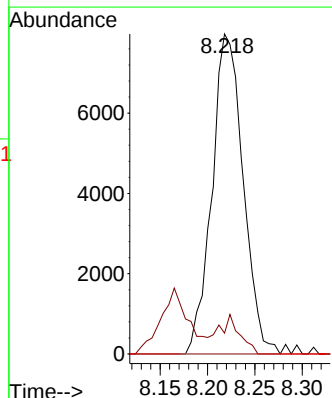
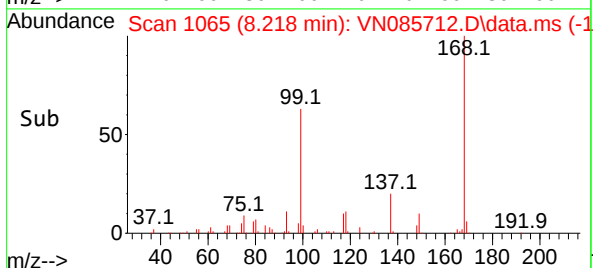
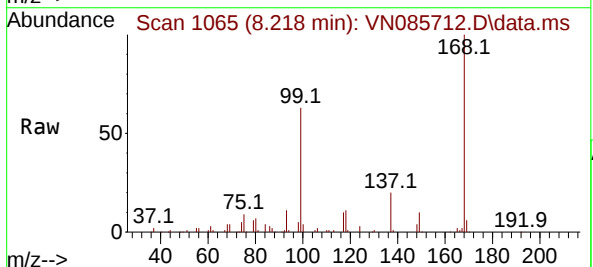


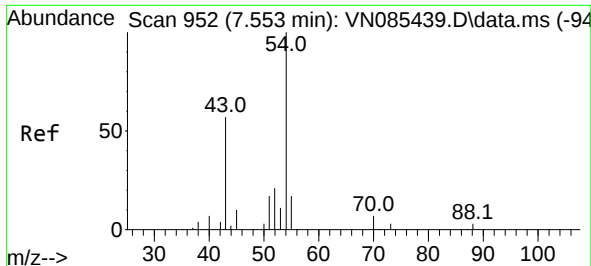
Tgt Ion:113 Resp: 145665
Ion Ratio Lower Upper
113 100
111 101.9 82.7 124.1
192 17.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 75 Resp: 18272
Ion Ratio Lower Upper
75 100
110 8.2 16.5 49.5#
77 0.0 24.4 36.6#

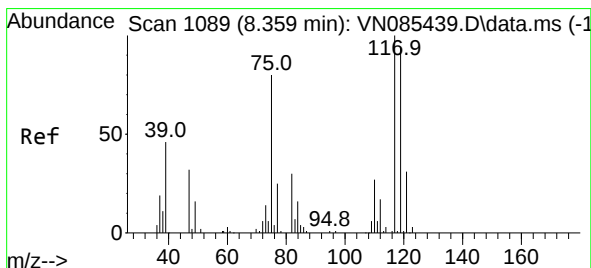
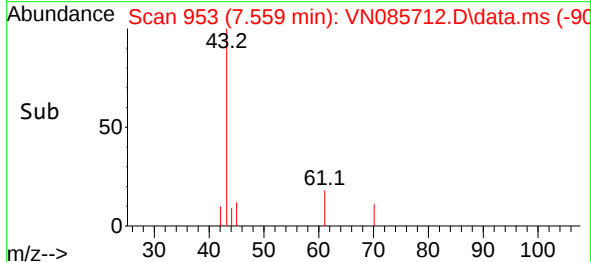
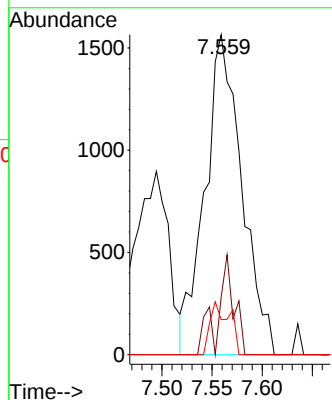
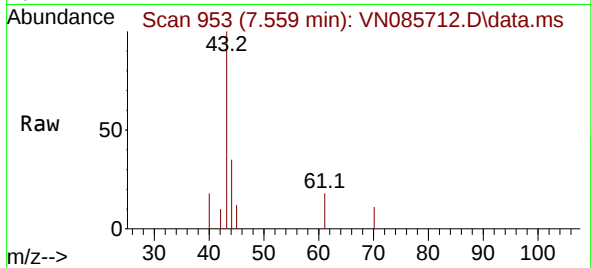




#37
Ethyl Acetate
Concen: 0.971 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

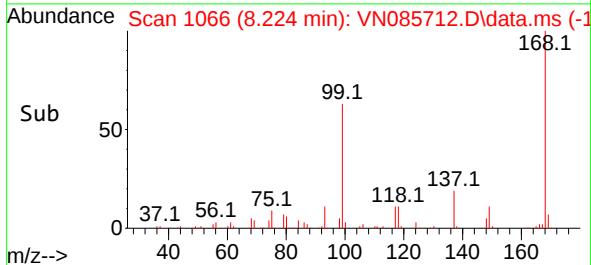
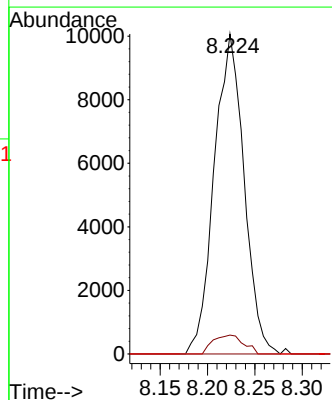
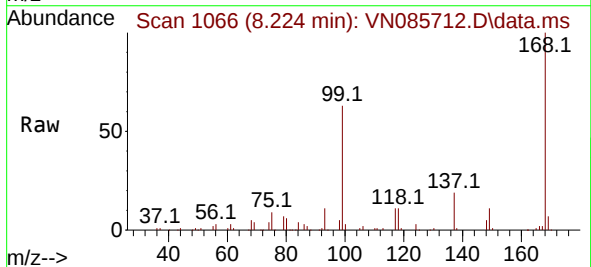
Instrument :
MSVOA_N
ClientSampleId :

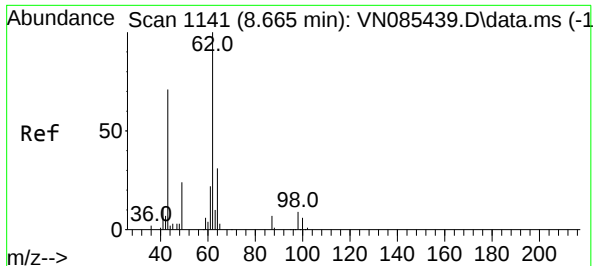
Tgt Ion: 43 Resp: 4006
Ion Ratio Lower Upper
43 100
61 14.3 10.9 16.3
70 8.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 4.707 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 117 Resp: 22021
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.278 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.024 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

Instrument :

MSVOA_N

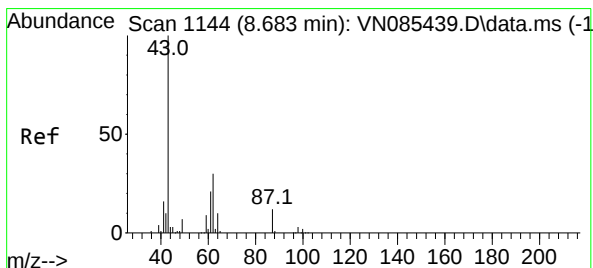
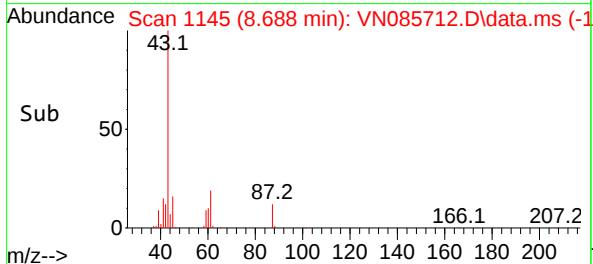
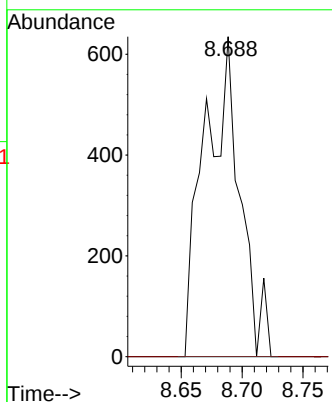
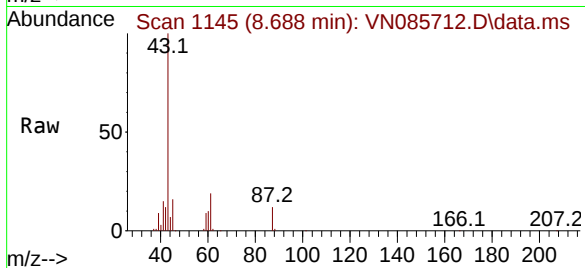
ClientSampleId :

Tgt Ion: 62 Resp: 1286

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 36.154 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

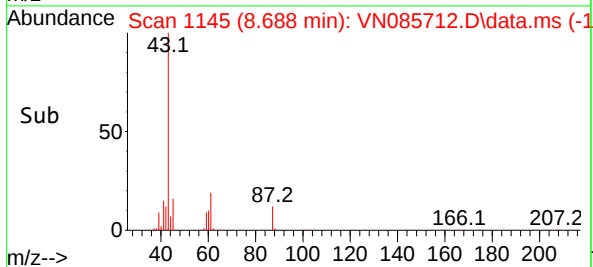
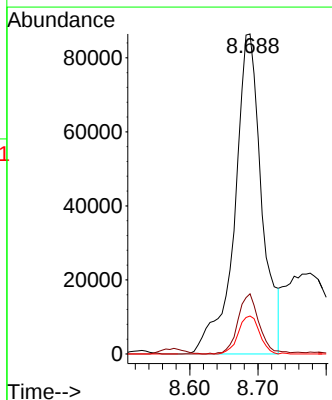
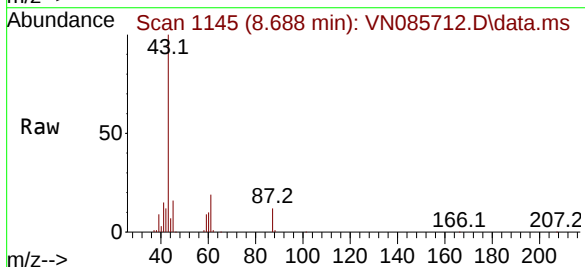
Tgt Ion: 43 Resp: 238954

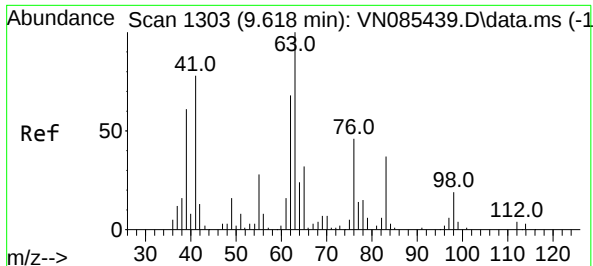
Ion Ratio Lower Upper

43 100

61 15.0 20.7 31.1#

87 9.3 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.670 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

Instrument :

MSVOA_N

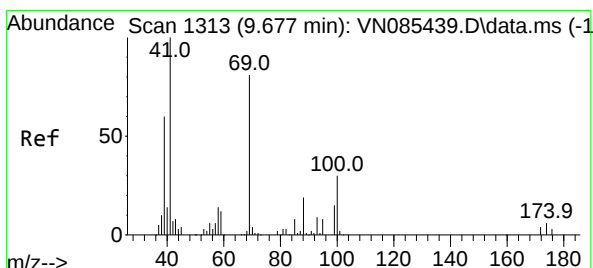
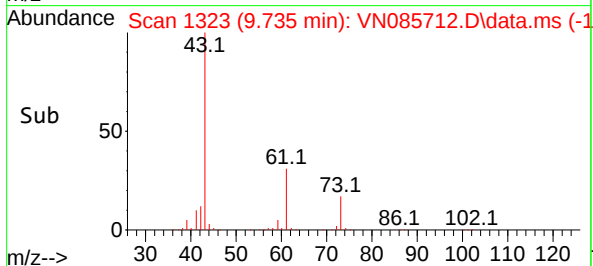
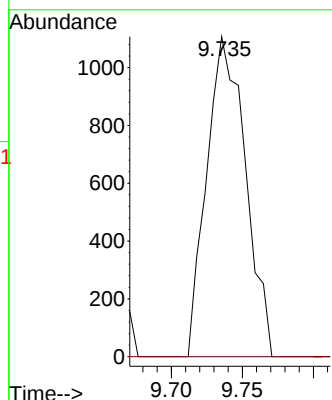
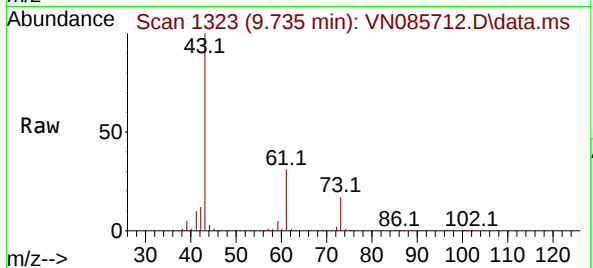
ClientSampleId :

Tgt Ion: 63 Resp: 2102

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.747 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

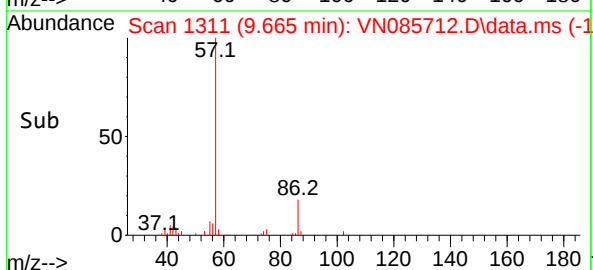
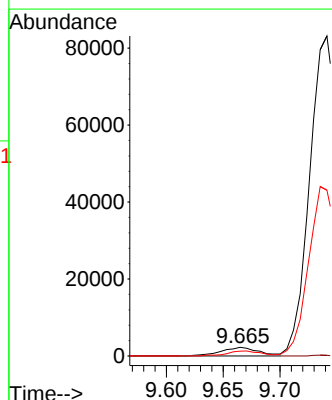
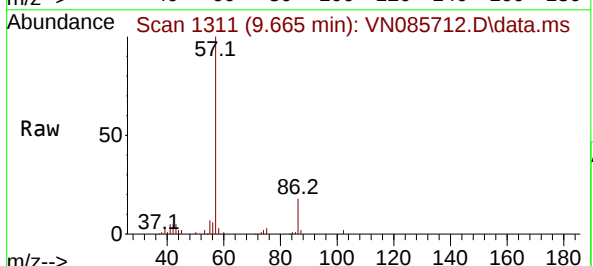
Tgt Ion: 41 Resp: 5196

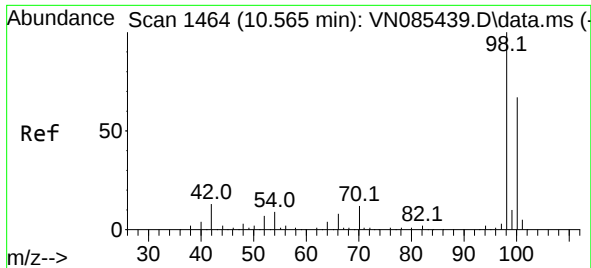
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 51.3 49.0 73.6

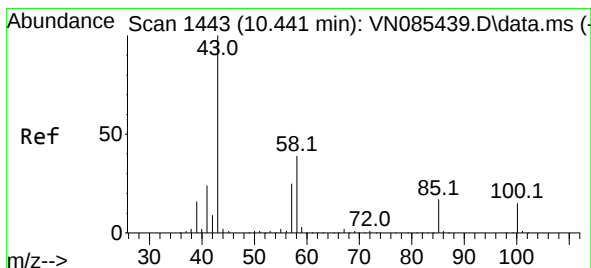
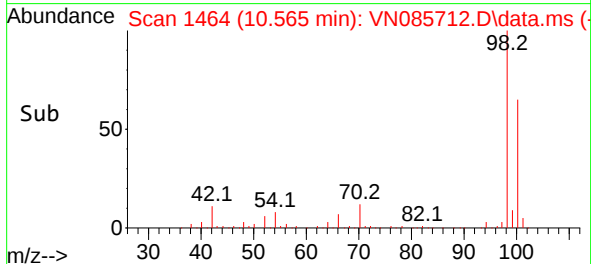
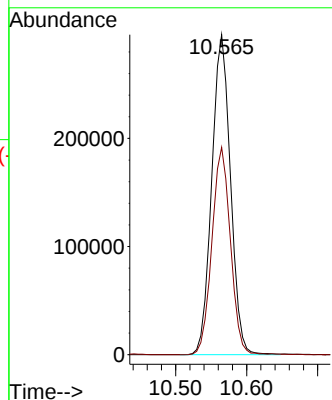
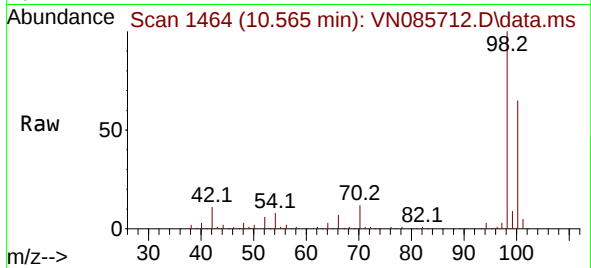




#50
Toluene-d8
Concen: 52.279 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

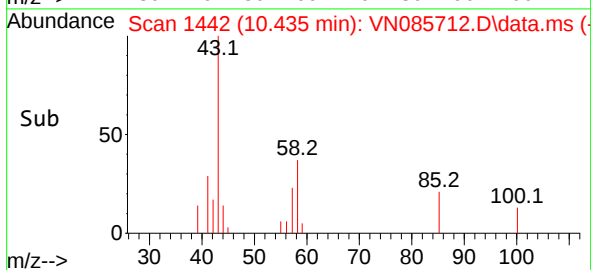
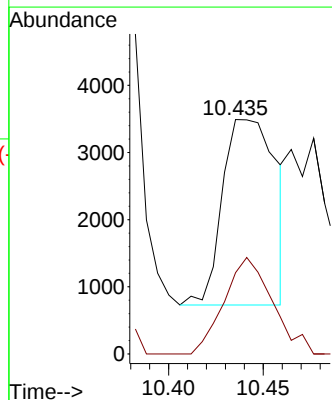
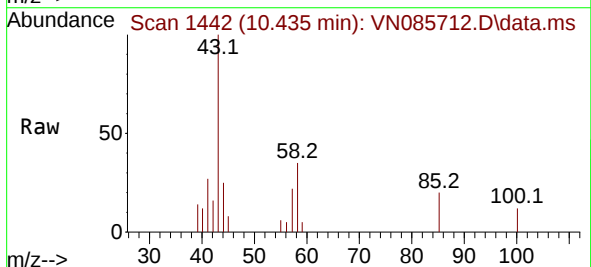
Instrument :
MSVOA_N
ClientSampleId :

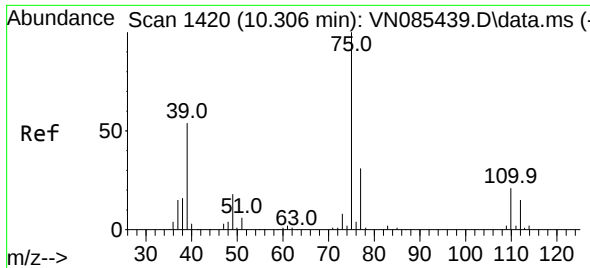
Tgt Ion: 98 Resp: 540845
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.413 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 43 Resp: 5419
Ion Ratio Lower Upper
43 100
58 47.0 30.5 45.7#

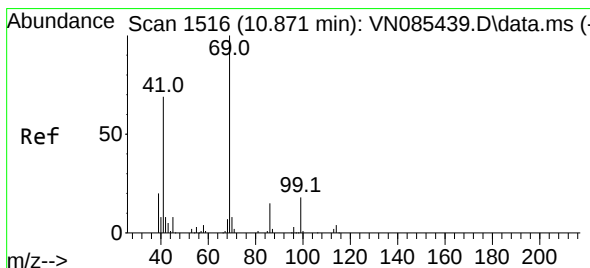
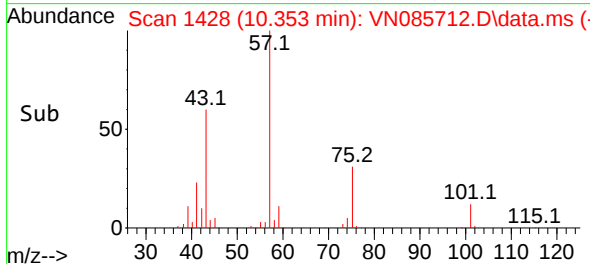
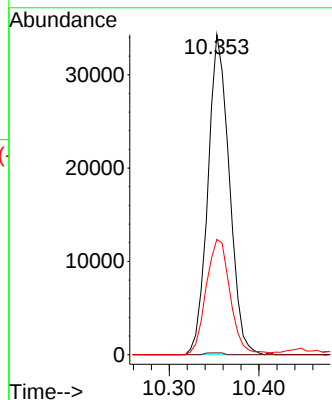
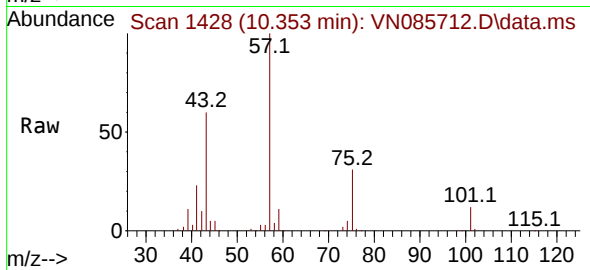




#54
cis-1,3-Dichloropropene
Concen: 12.191 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

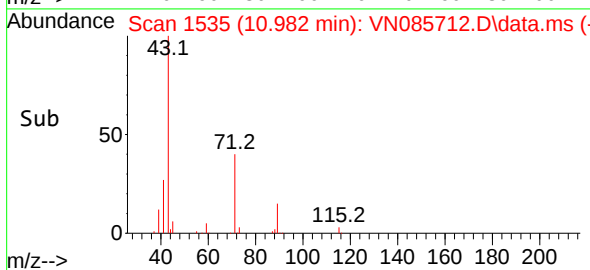
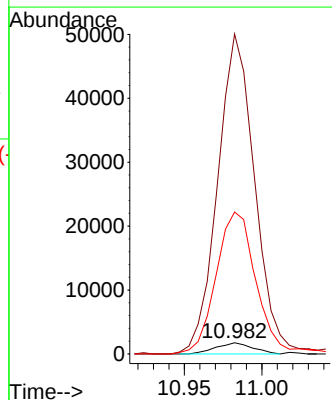
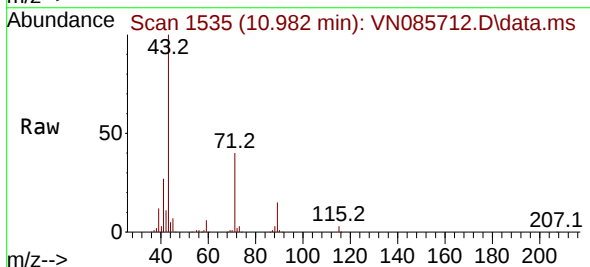
Instrument :
MSVOA_N
ClientSampleId :

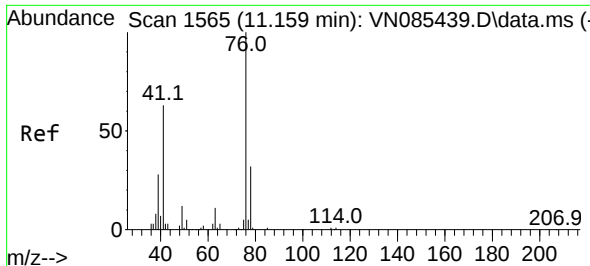
Tgt Ion: 75 Resp: 56739
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 36.0 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.515 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 69 Resp: 2881
Ion Ratio Lower Upper
69 100
41 2899.0 54.6 82.0#
39 1388.3 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.696 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085712.D

Acq: 07 Feb 2025 21:30

Instrument :

MSVOA_N

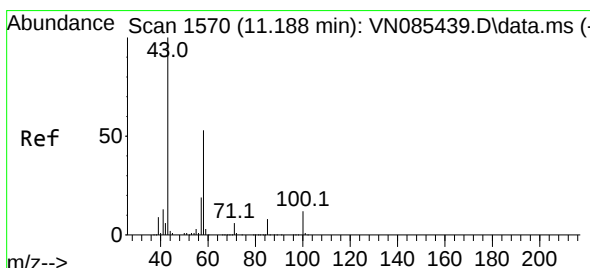
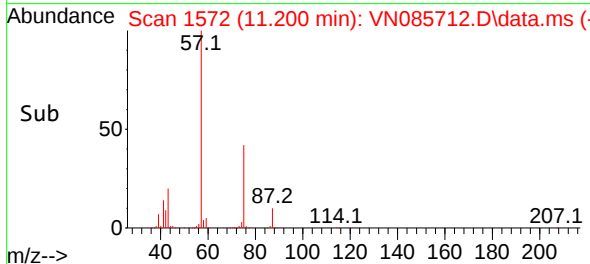
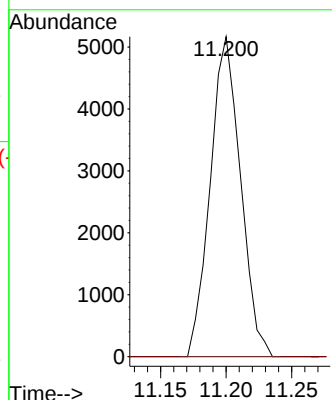
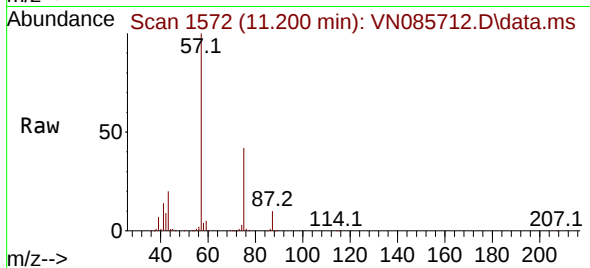
ClientSampleId :

Tgt Ion: 76 Resp: 8304

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 32.743 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085712.D

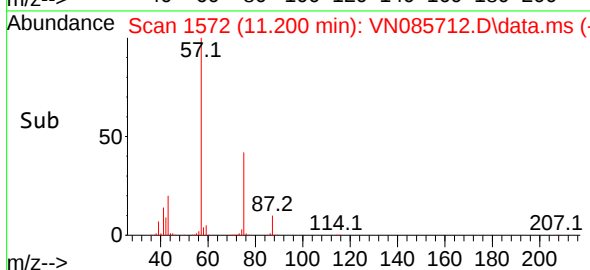
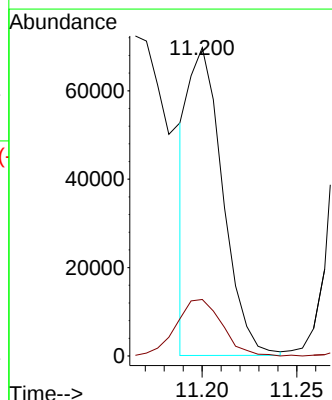
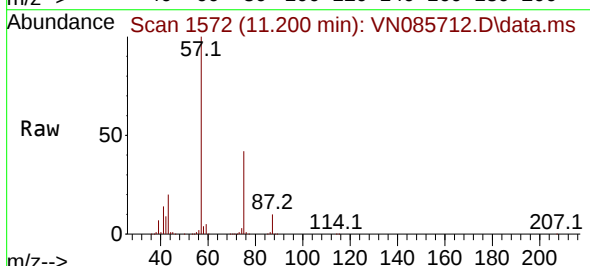
Acq: 07 Feb 2025 21:30

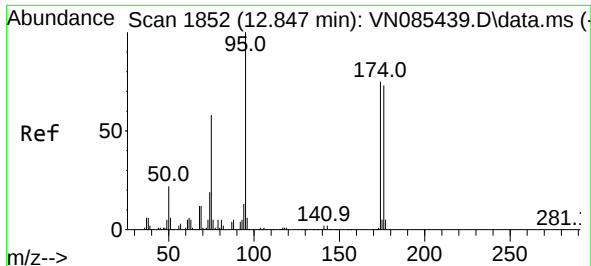
Tgt Ion: 43 Resp: 88362

Ion Ratio Lower Upper

43 100

58 24.6 26.2 78.6#

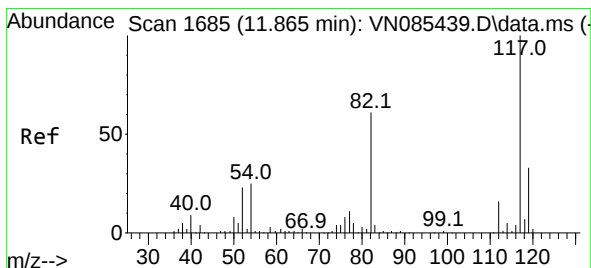
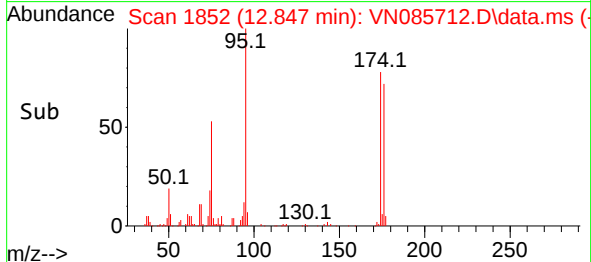
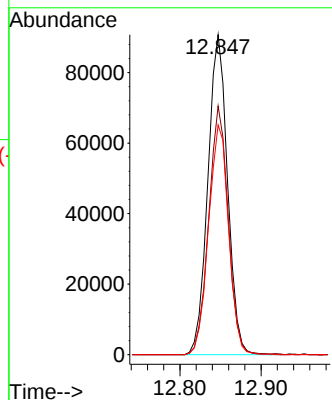
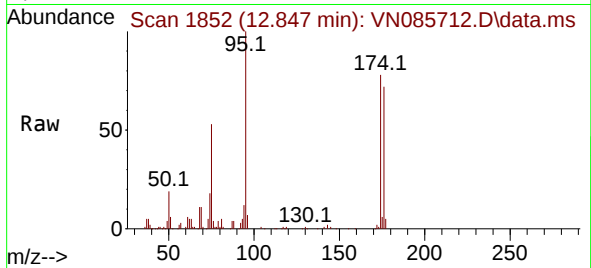




#62
4-Bromofluorobenzene
Concen: 43.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

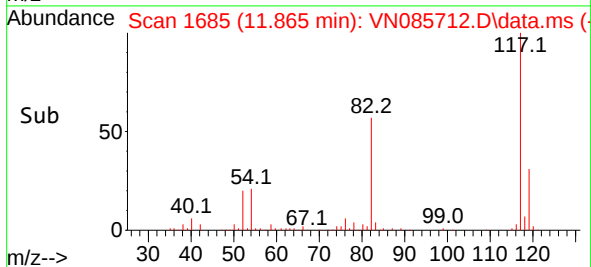
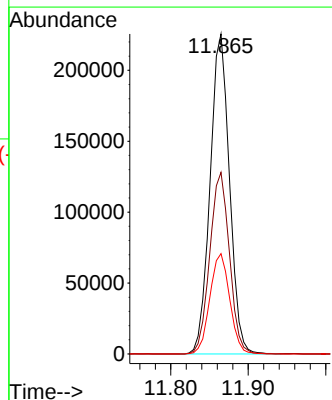
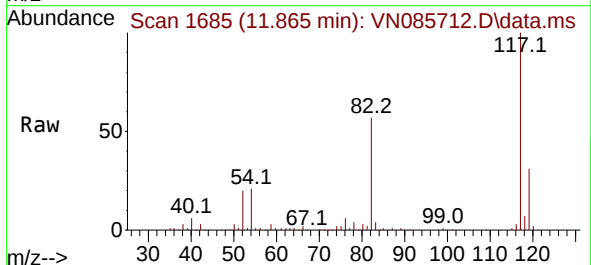
Instrument :
MSVOA_N
ClientSampleId :

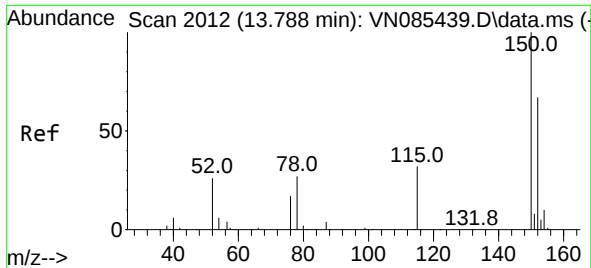
Tgt Ion: 95 Resp: 152381
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.0
176 73.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 117 Resp: 392979
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 31.3 26.6 39.8

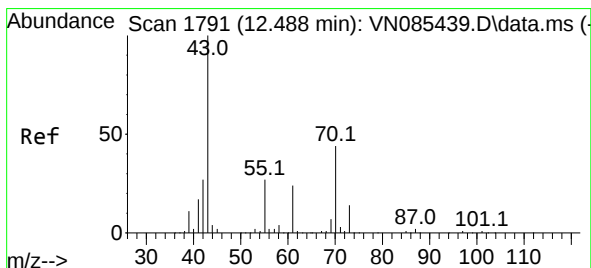
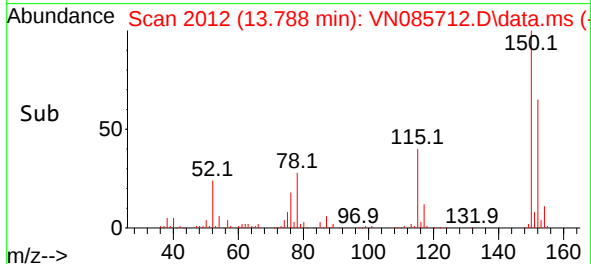
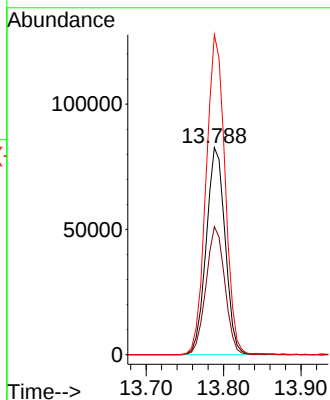
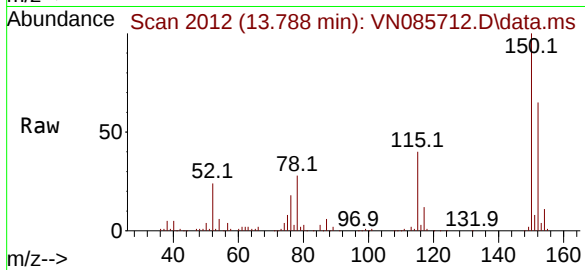




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

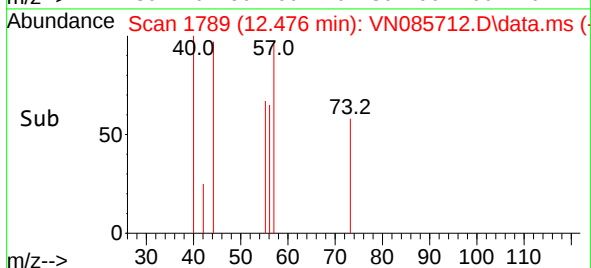
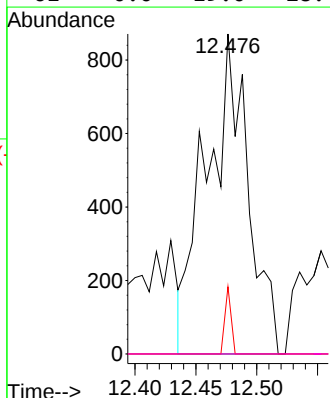
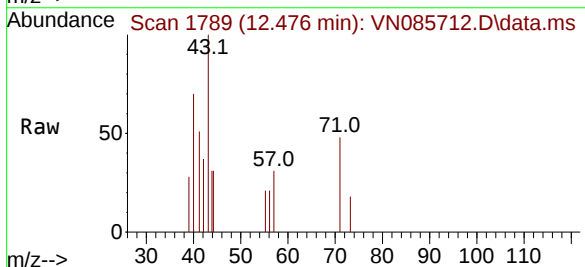
Instrument :
MSVOA_N
ClientSampleId :

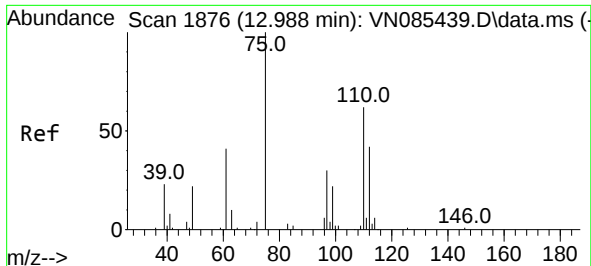
Tgt Ion:152 Resp: 140468
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 154.7 0.0 343.6



#74
N-ethyl acetate
Concen: 0.485 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.012 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 3.1 21.4 32.2#
61 0.0 19.0 28.4#

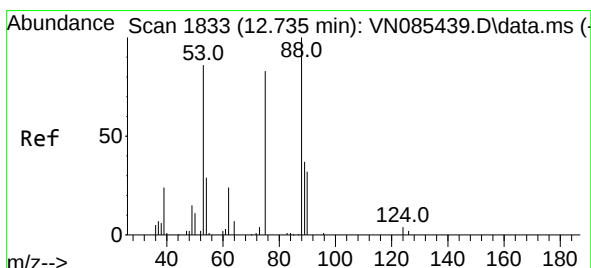
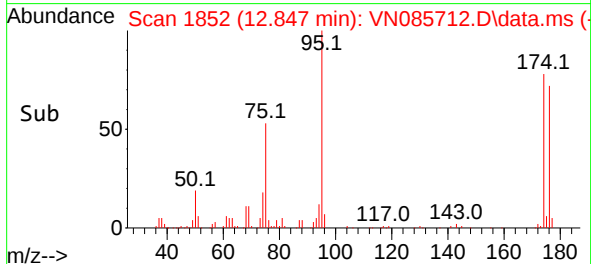
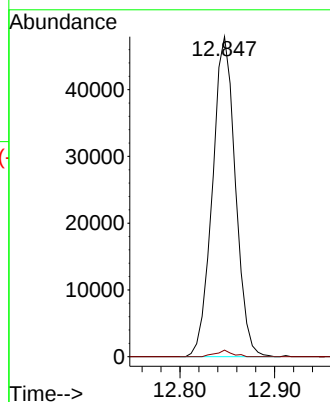
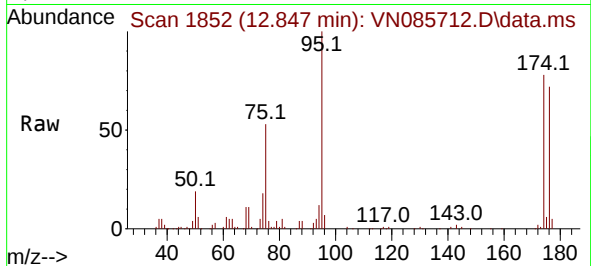




#76
1,2,3-Trichloropropane
Concen: 28.252 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80660
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085712.D
Acq: 07 Feb 2025 21:30

Tgt Ion: 75 Resp: 80660
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

