

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085686.D
 Acq On : 05 Feb 2025 18:47
 Operator : JC\MD
 Sample : Q1287-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

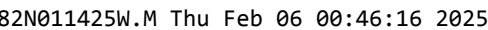
Quant Time: Feb 06 00:46:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

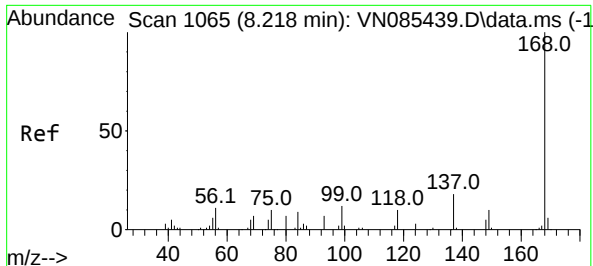
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	214897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	421189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	176929	51.005	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.000%	
35) Dibromofluoromethane	8.165	113	143588	49.140	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.280%	
50) Toluene-d8	10.565	98	545550	52.548	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.100%	
62) 4-Bromofluorobenzene	12.847	95	166055	46.758	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.520%	
Target Compounds						
					Qvalue	
13) Acrolein	4.177	56	113	0.208	ug/l	91
16) Acetone	4.430	43	47416	42.305	ug/l	90
18) Methyl Acetate	5.024	43	3526	1.035	ug/l #	72
20) Methylene Chloride	5.271	84	3746	1.350	ug/l #	74
25) 2-Butanone	7.489	43	5143	3.118	ug/l	91
29) Tetrahydrofuran	7.841	42	341	0.326	ug/l #	49
30) Chloroform	7.953	83	2007	0.383	ug/l #	78
31) Cyclohexane	8.218	56	5342	1.213	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	19606	4.781	ug/l #	49
37) Ethyl Acetate	7.559	43	3892	0.940	ug/l #	87
38) Carbon Tetrachloride	8.224	117	24516	5.222	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1173	0.253	ug/l #	76
43) Isopropyl Acetate	8.688	43	182895	27.575	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1797	0.571	ug/l #	43
48) Methyl methacrylate	9.665	41	4409	1.477	ug/l #	44
49) 1,4-Dioxane	9.735	88	66	1.313	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11816	3.070	ug/l #	76
53) t-1,3-Dichloropropene	10.724	75	898	0.205	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	52598	11.262	ug/l #	60
56) Ethyl methacrylate	10.977	69	1954	2.326	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7908	1.610	ug/l #	43
59) 2-Hexanone	11.200	43	95602	35.301	ug/l #	55
74) N-amyl acetate	12.482	43	1079	0.241	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	87435	29.105	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87435	78.745	ug/l #	3
95) Naphthalene	15.641	128	11231	1.691	ug/l	97

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

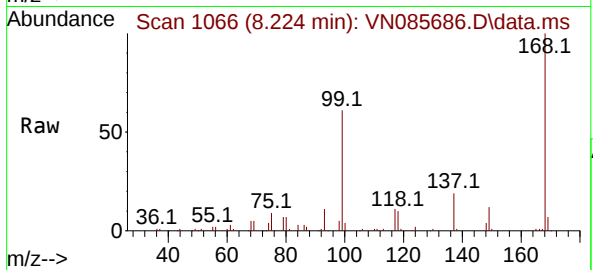
Quant Time: Feb 06 00:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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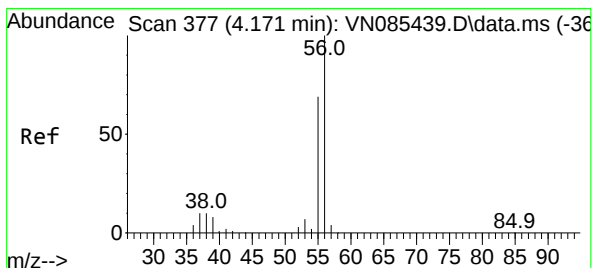
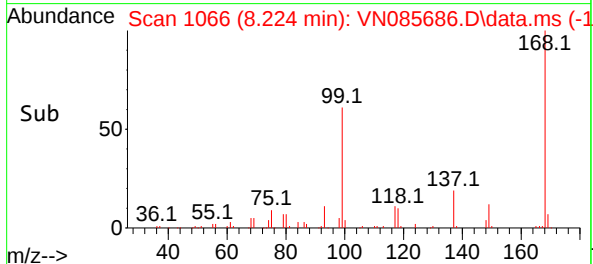
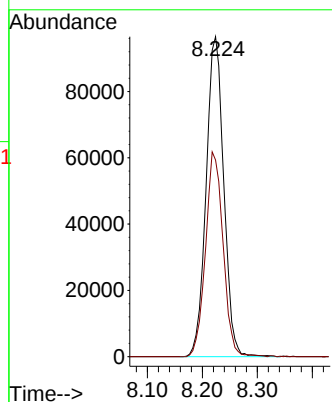


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

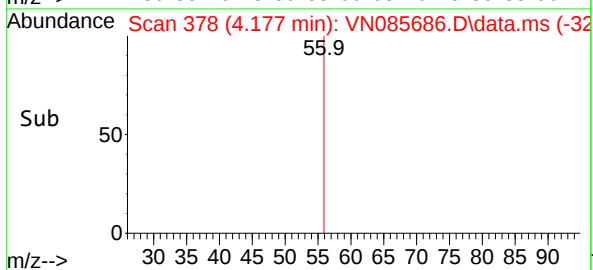
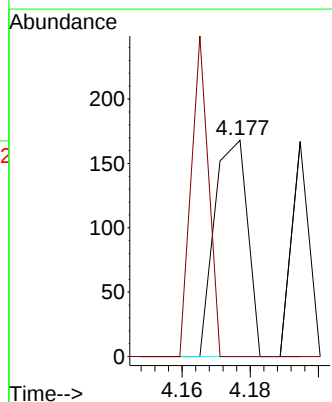
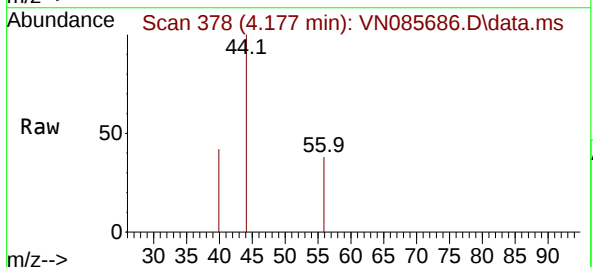


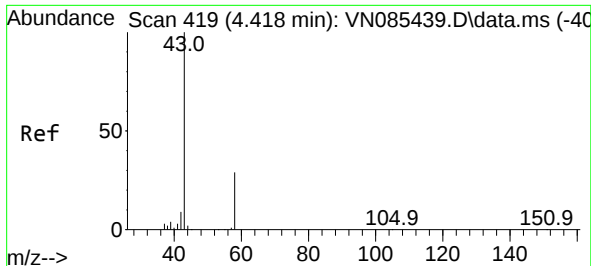
Tgt Ion:168 Resp: 214897
Ion Ratio Lower Upper
168 100
99 61.5 53.6 80.4



#13
Acrolein
Concen: 0.208 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 77.9 56.3 84.5

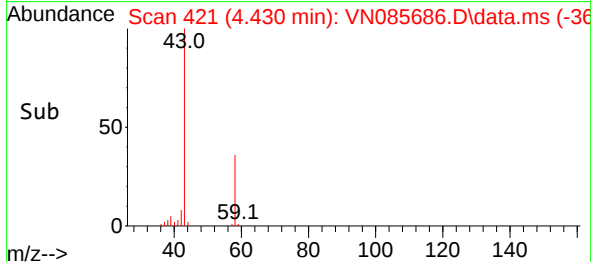
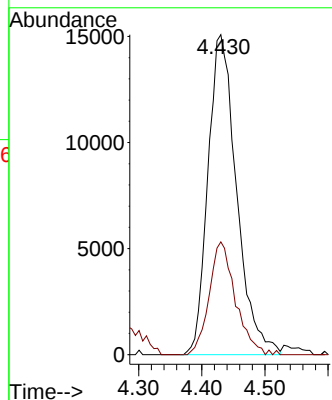
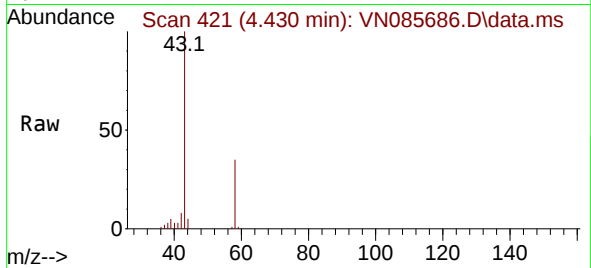




#16
Acetone
Concen: 42.305 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

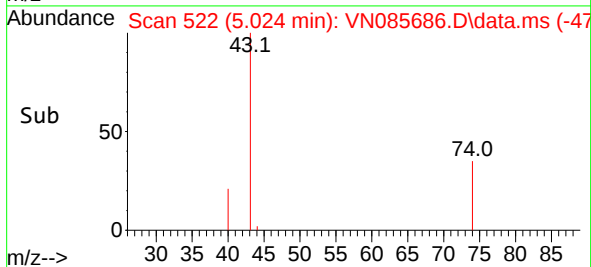
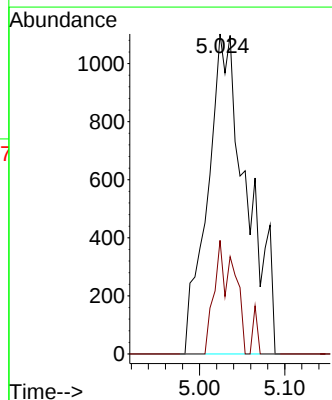
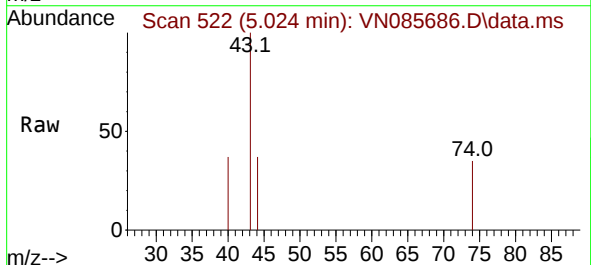
Instrument :
MSVOA_N
ClientSampleId :

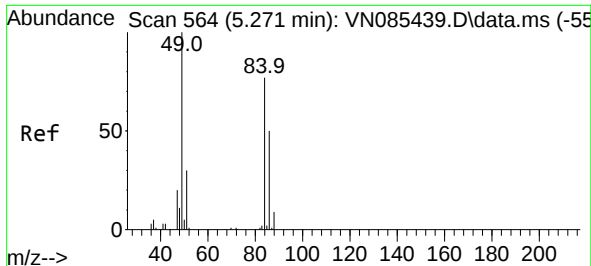
Tgt Ion: 43 Resp: 47416
Ion Ratio Lower Upper
43 100
58 35.2 23.8 35.6



#18
Methyl Acetate
Concen: 1.035 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

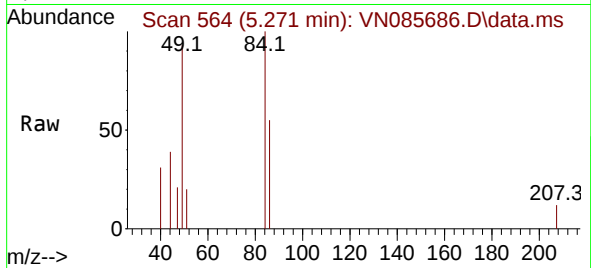
Tgt Ion: 43 Resp: 3526
Ion Ratio Lower Upper
43 100
74 9.6 18.6 28.0#



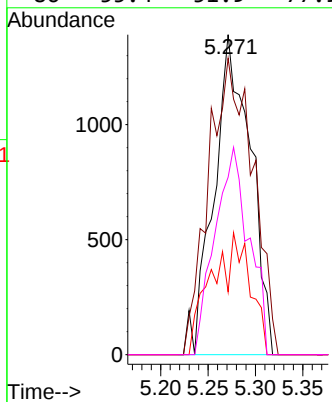
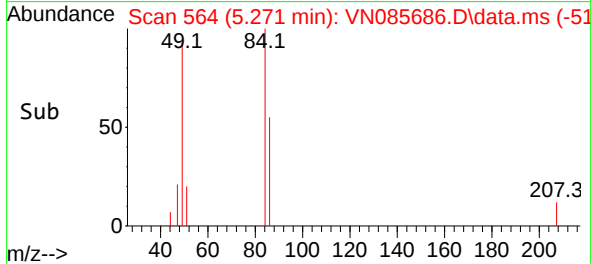


#20
Methylene Chloride
Concen: 1.350 ug/l
RT: 5.271 min Scan# 501
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

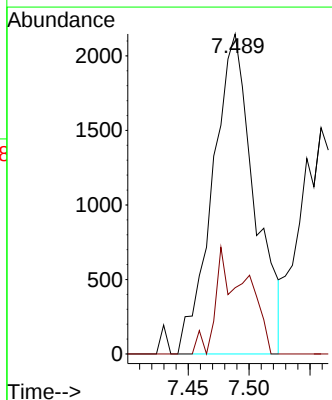
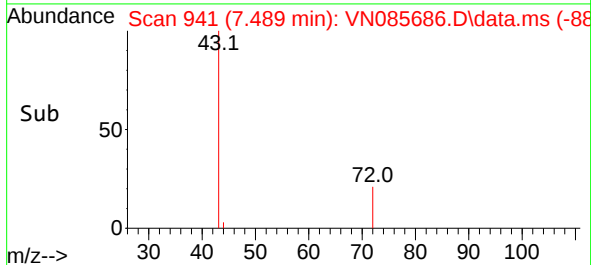
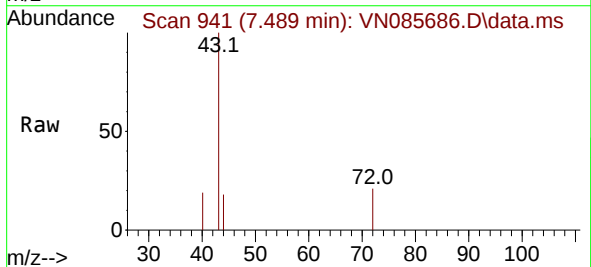


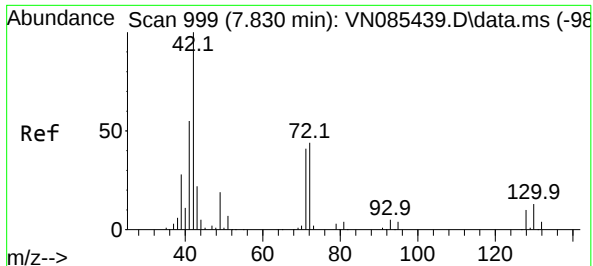
Tgt Ion:	84	Resp:	3746
Ion	Ratio	Lower	Upper
84	100		
49	92.6	104.1	156.1#
51	19.6	31.0	46.4#
86	55.4	51.9	77.9



#25
2-Butanone
Concen: 3.118 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion:	43	Resp:	5143
Ion	Ratio	Lower	Upper
43	100		
72	20.7	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

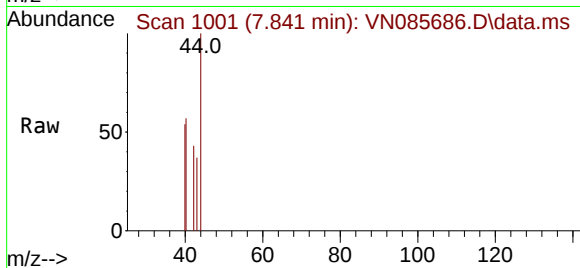
Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

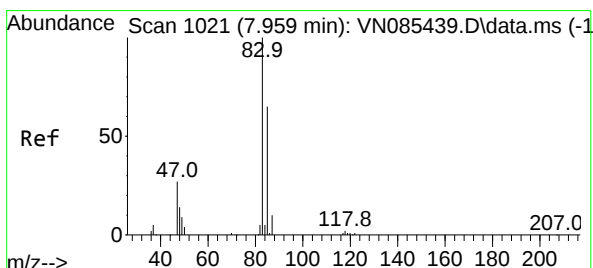
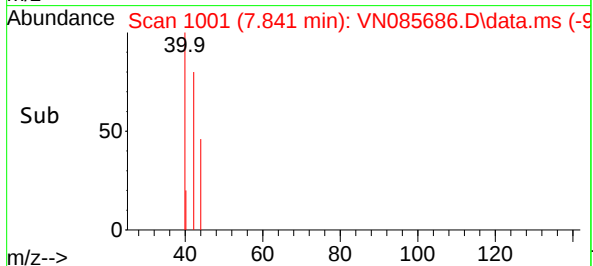
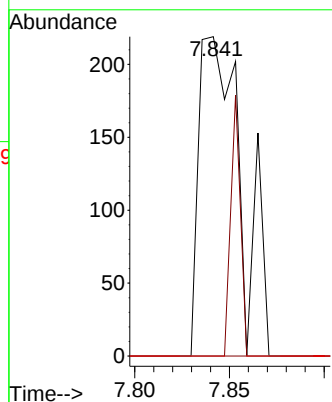
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	341
Ion	Ratio	Lower	Upper
42	100		
72	18.5	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.383 ug/l

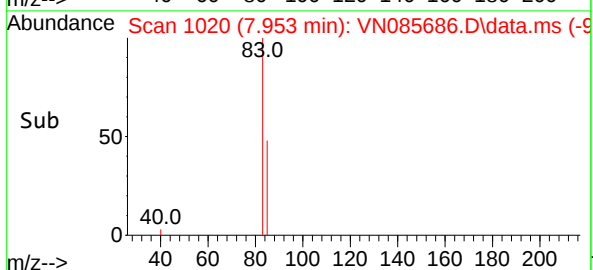
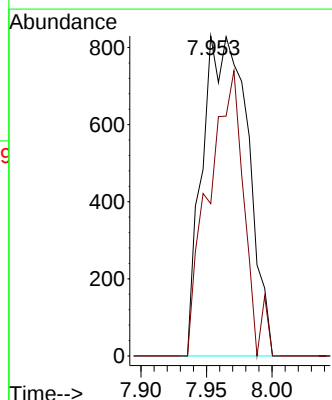
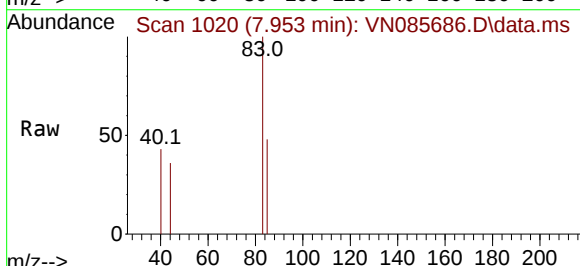
RT: 7.953 min Scan# 1020

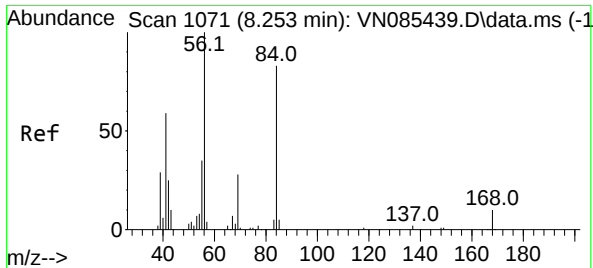
Delta R.T. -0.006 min

Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

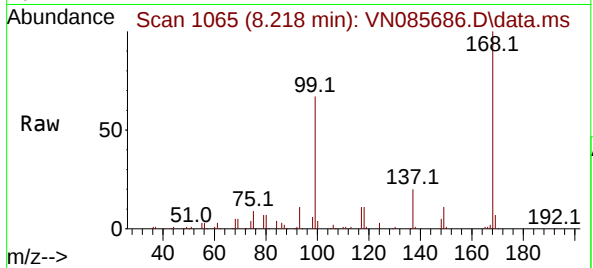
Tgt Ion:	83	Resp:	2007
Ion	Ratio	Lower	Upper
83	100		
85	47.6	51.8	77.6#



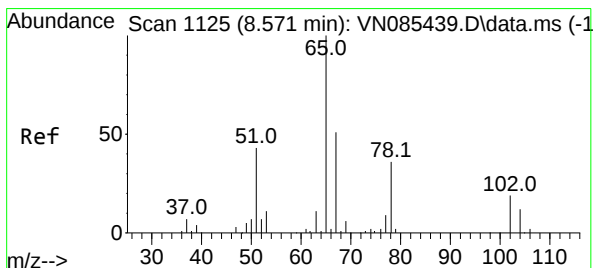
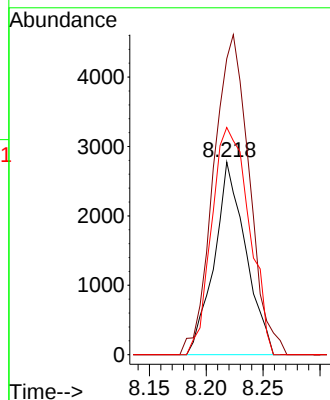
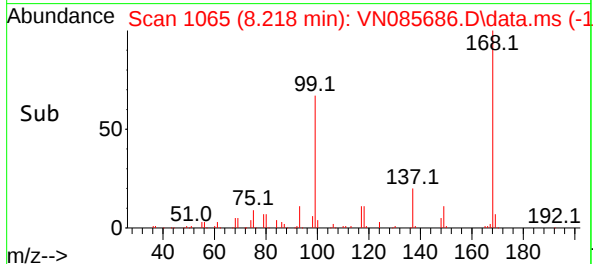


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

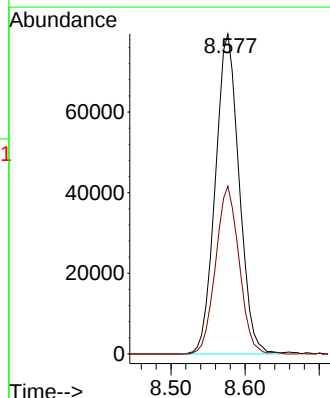
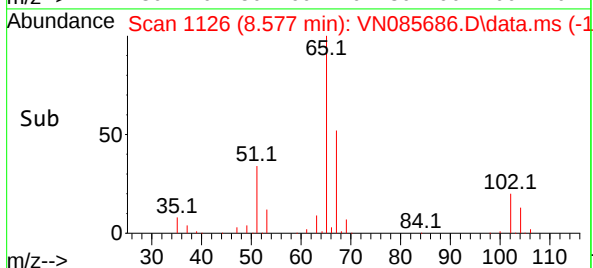
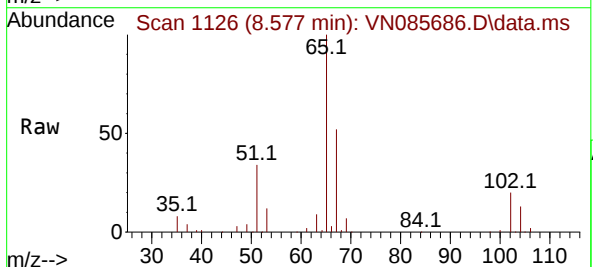


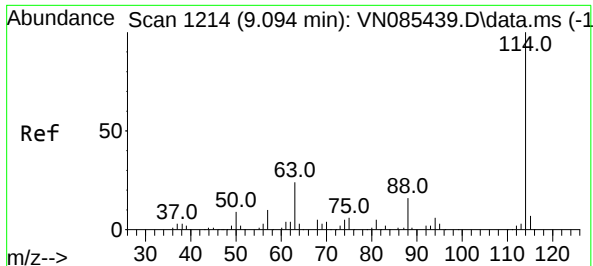
Tgt Ion: 56 Resp: 5342
Ion Ratio Lower Upper
56 100
69 153.7 22.2 33.4#
84 117.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.005 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 65 Resp: 176929
Ion Ratio Lower Upper
65 100
67 51.8 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: VN085686.D

Acq: 05 Feb 2025 18:47

Instrument :

MSVOA_N

ClientSampleId :

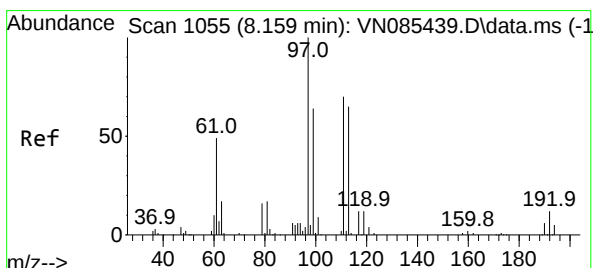
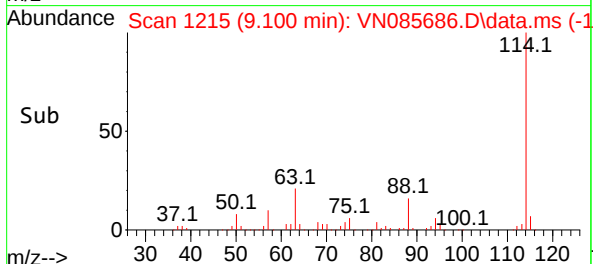
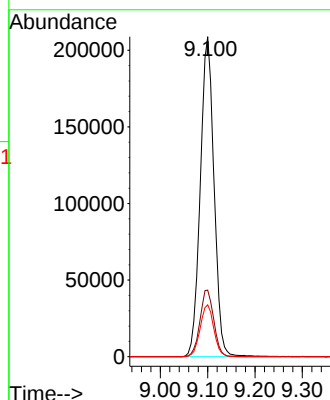
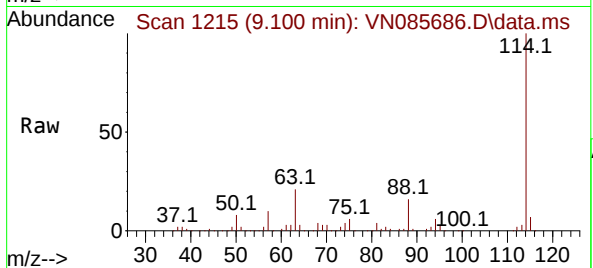
Tgt Ion:114 Resp: 421189

Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.140 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

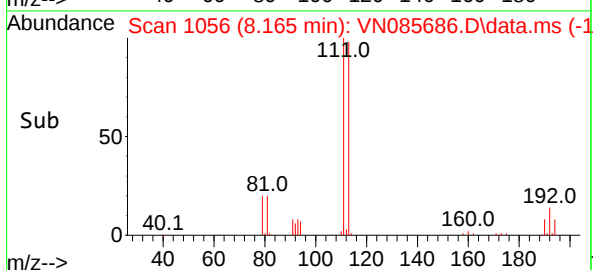
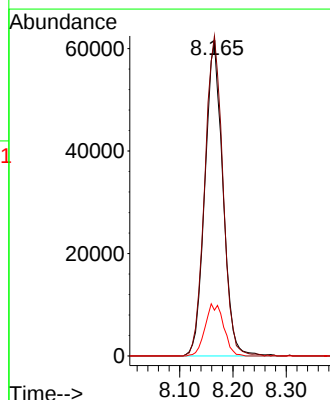
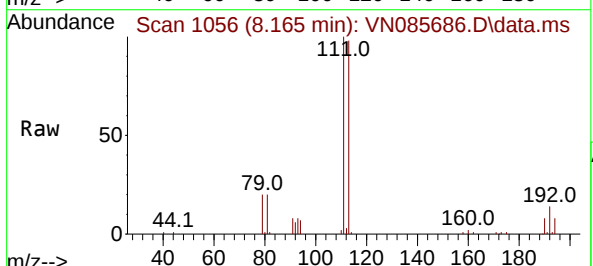
Tgt Ion:113 Resp: 143588

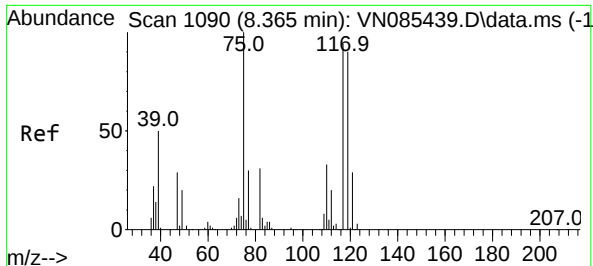
Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

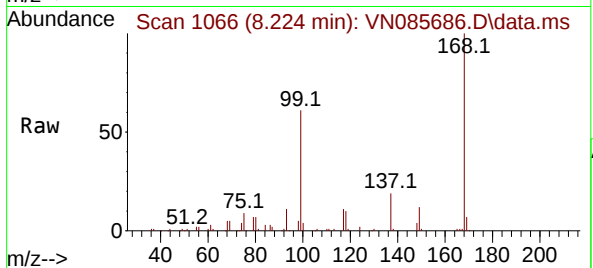
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Acq: 05 Feb 2025 18:47

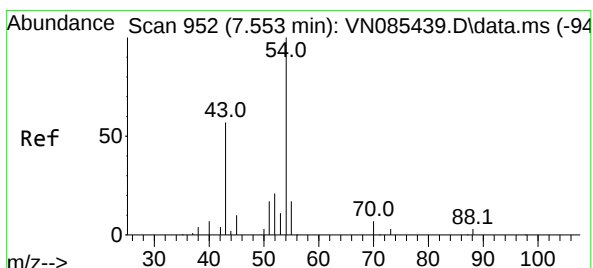
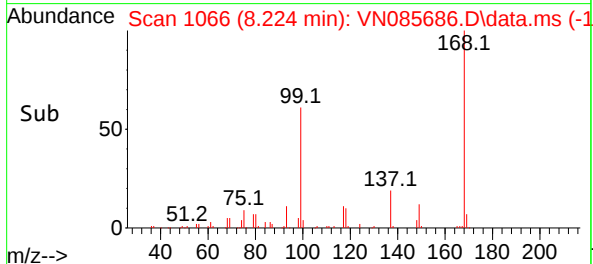
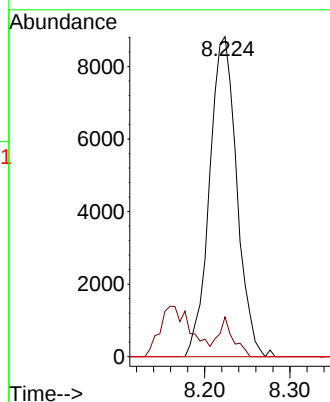
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 19606
Ion Ratio	Lower Upper
75	100
110	6.8 16.5 49.5#
77	0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.940 ug/l

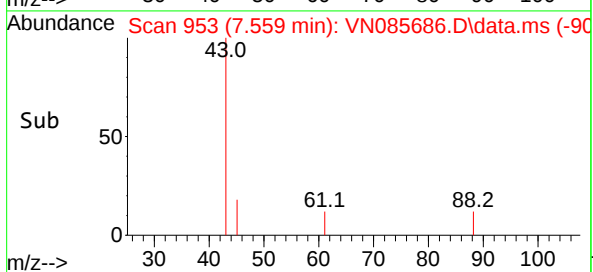
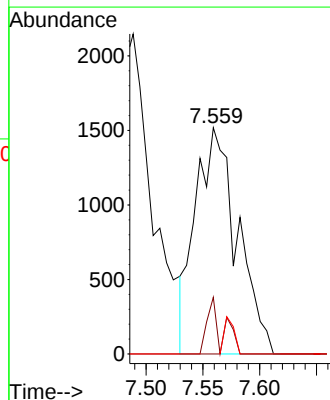
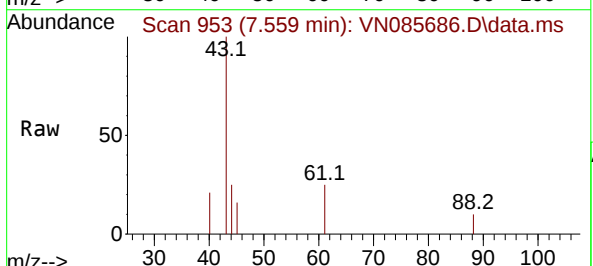
RT: 7.559 min Scan# 953

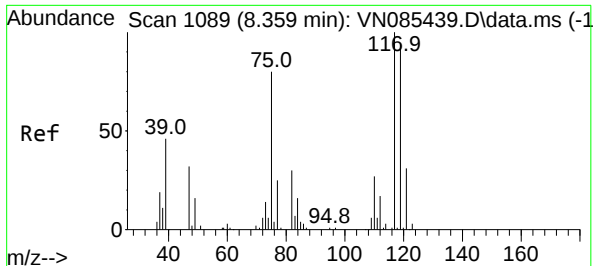
Delta R.T. 0.006 min

Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

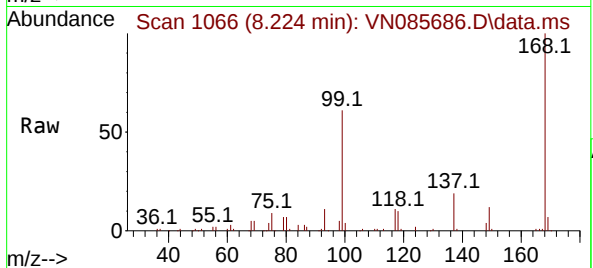
Tgt Ion: 43	Resp: 3892
Ion Ratio	Lower Upper
43	100
61	9.1 10.9 16.3#
70	3.9 7.5 11.3#



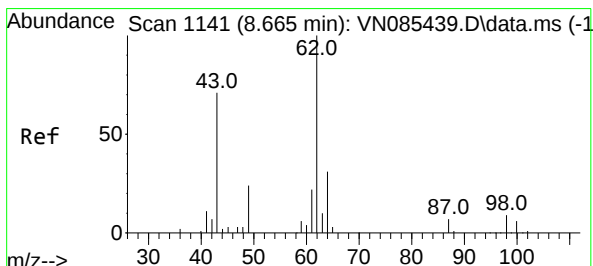
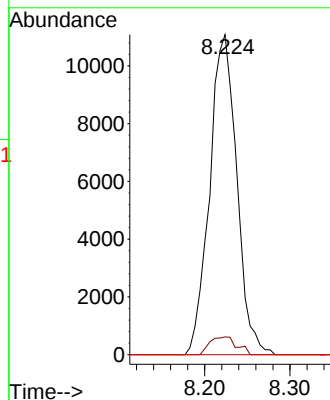
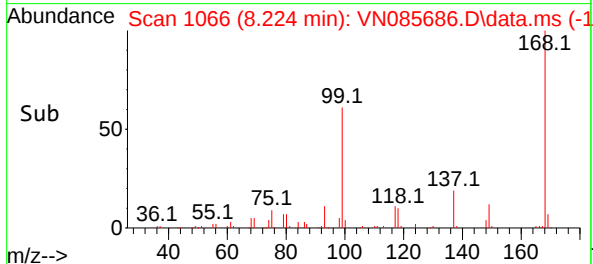


#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

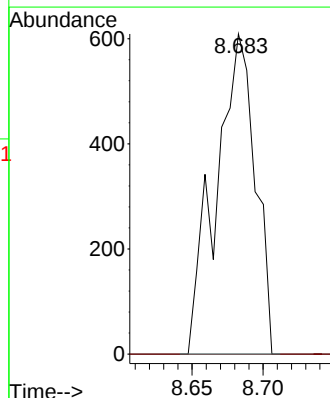
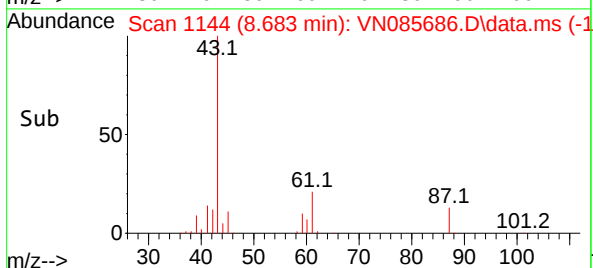
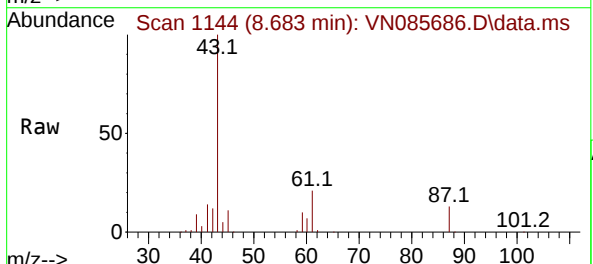


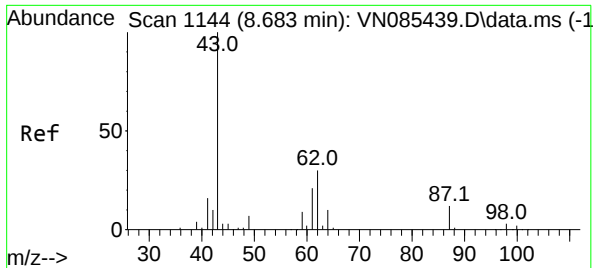
Tgt Ion:117 Resp: 24516
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 62 Resp: 1173
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

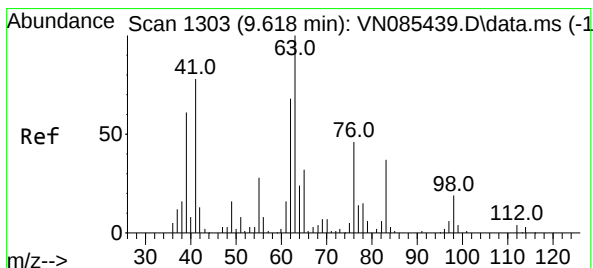
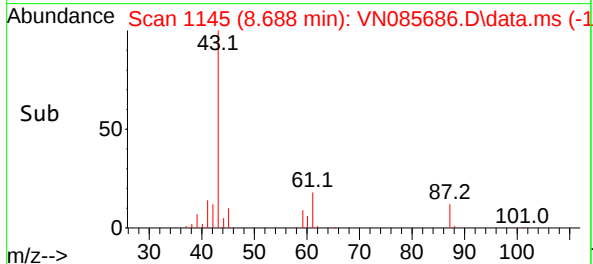
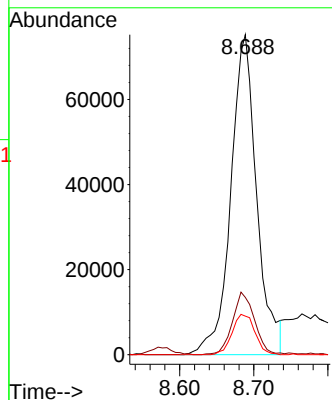
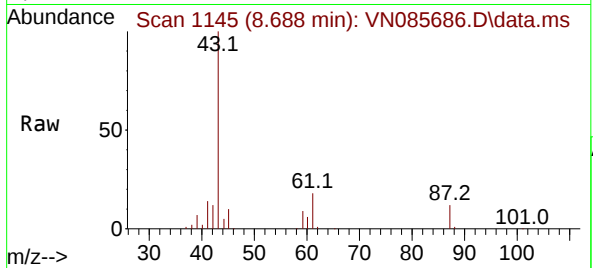




#43
Isopropyl Acetate
Concen: 27.575 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

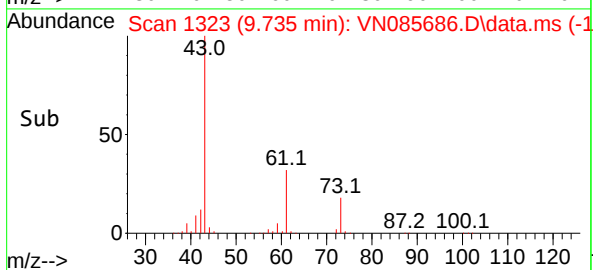
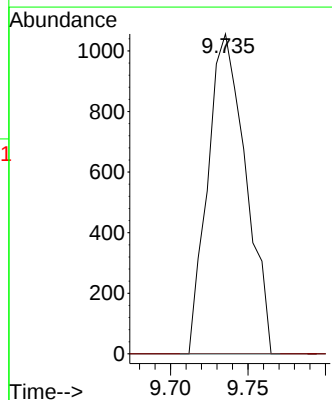
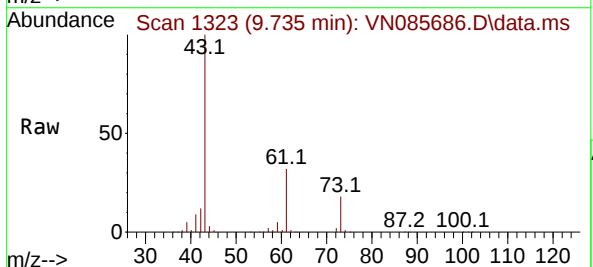
Instrument :
MSVOA_N
ClientSampleId :

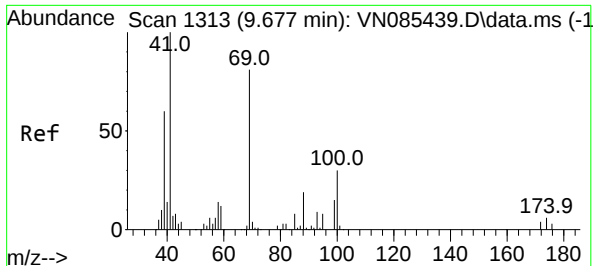
Tgt Ion: 43 Resp: 182895
Ion Ratio Lower Upper
43 100
61 16.7 20.7 31.1#
87 11.0 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 63 Resp: 1797
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.477 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

Instrument :

MSVOA_N

ClientSampleId :

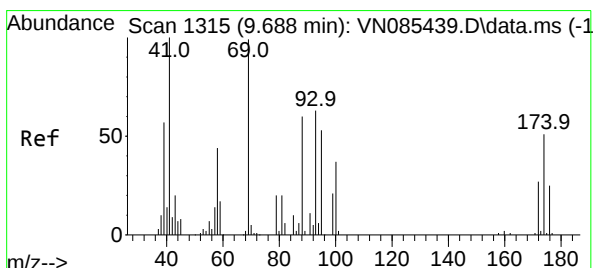
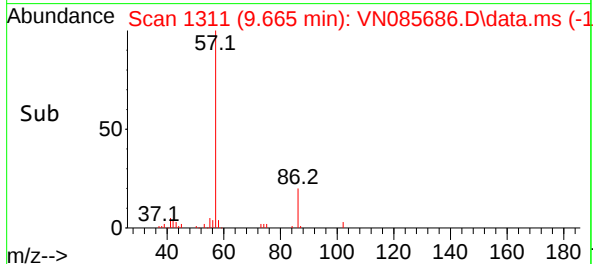
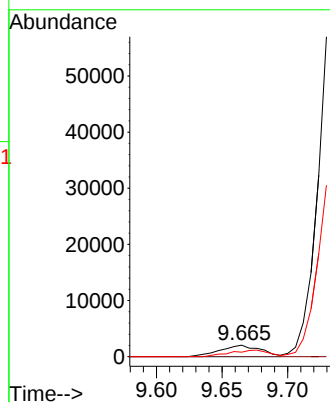
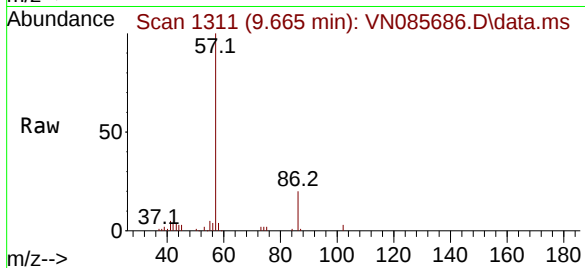
Tgt Ion: 41 Resp: 4409

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 54.1 49.0 73.6



#49

1,4-Dioxane

Concen: 1.313 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.047 min

Lab File: VN085686.D

Acq: 05 Feb 2025 18:47

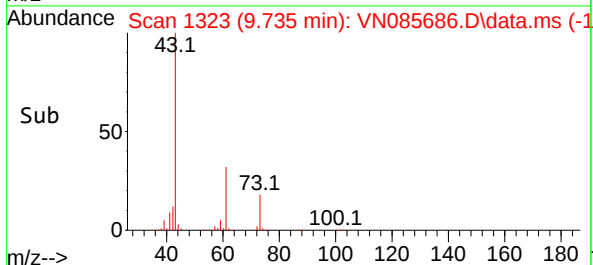
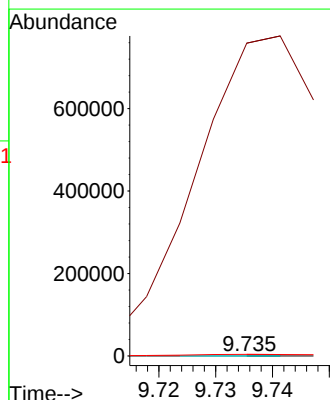
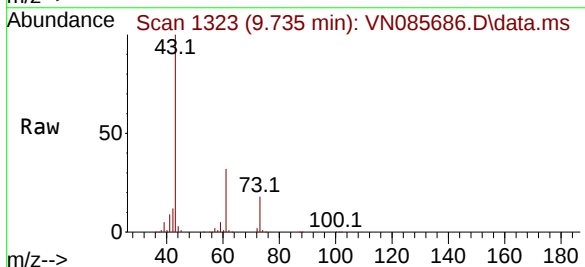
Tgt Ion: 88 Resp: 66

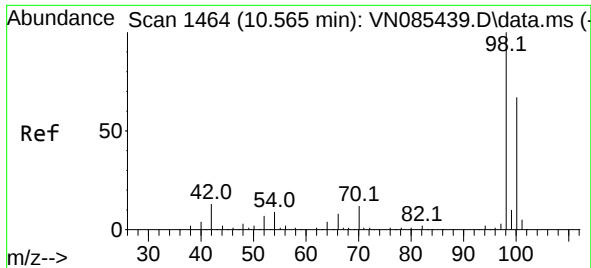
Ion Ratio Lower Upper

88 100

43 2141175.8 26.6 39.8#

58 11742.4 59.5 89.3#

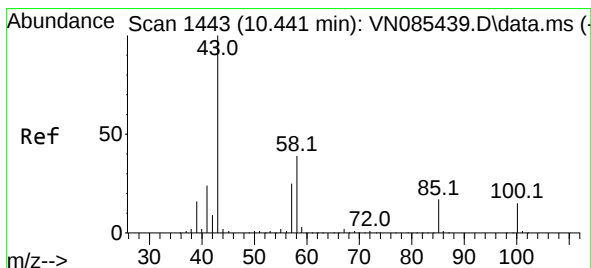
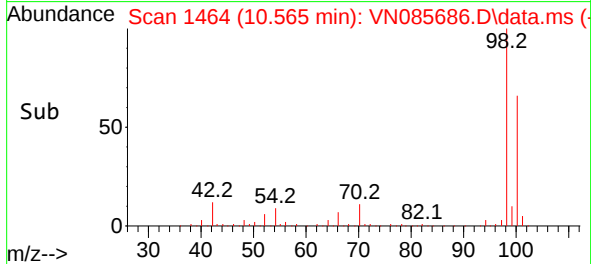
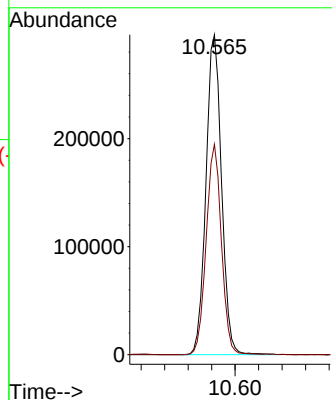
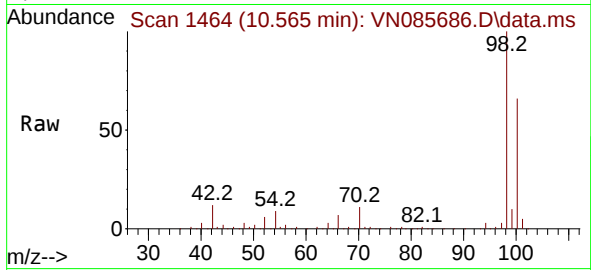




#50
Toluene-d8
Concen: 52.548 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

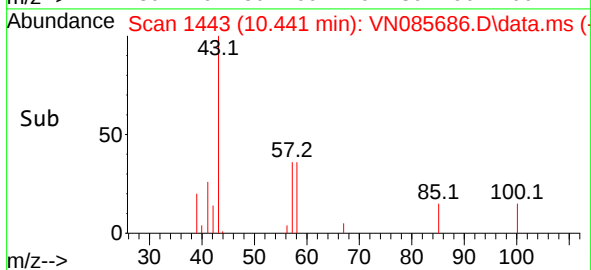
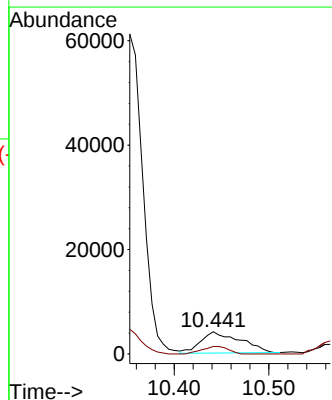
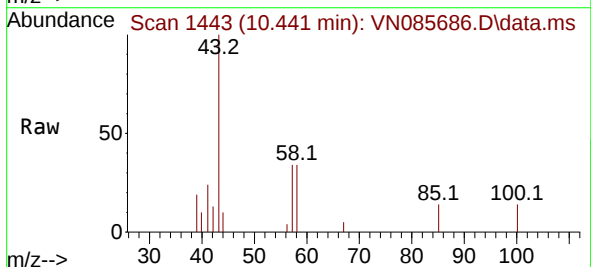
Instrument :
MSVOA_N
ClientSampleId :

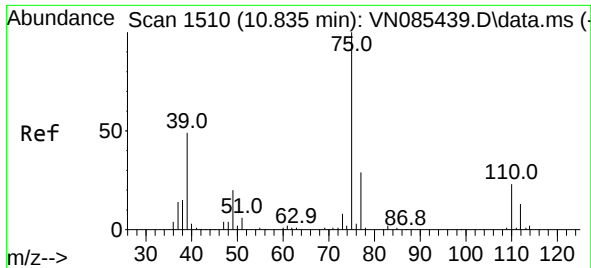
Tgt Ion: 98 Resp: 545550
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.070 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 43 Resp: 11816
Ion Ratio Lower Upper
43 100
58 23.3 30.5 45.7#

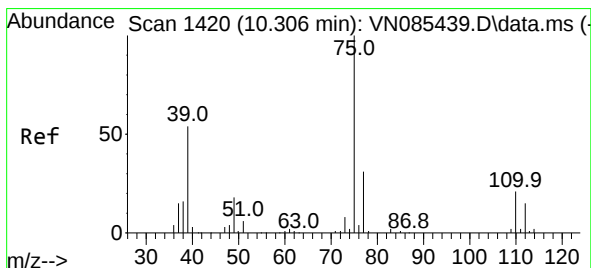
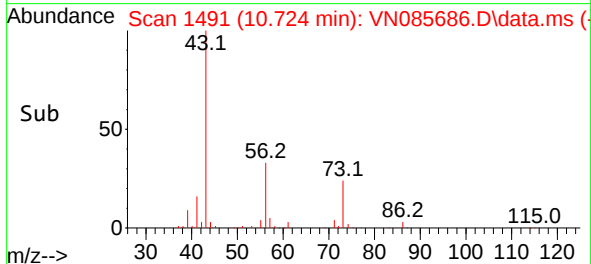
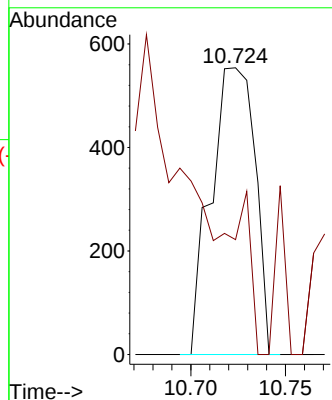
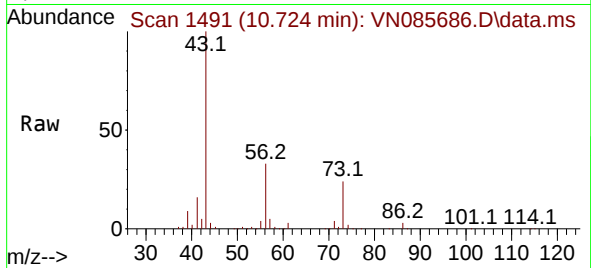




#53
 t-1,3-Dichloropropene
 Concen: 0.205 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085686.D
 Acq: 05 Feb 2025 18:47

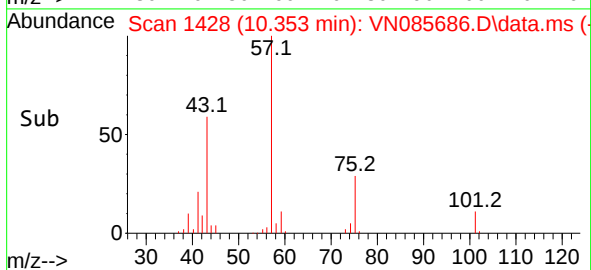
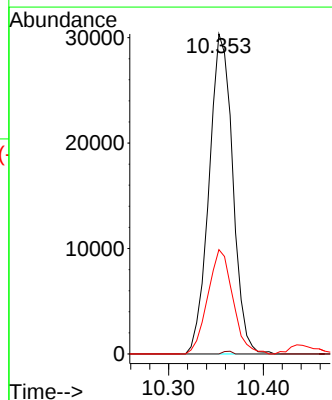
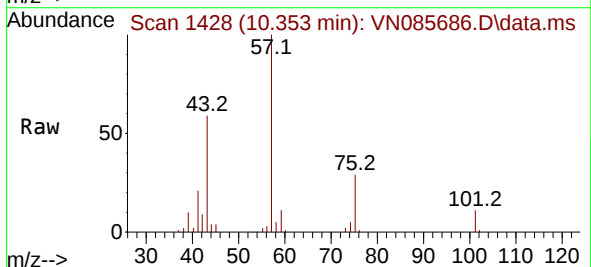
Instrument :
 MSVOA_N
 ClientSampleId :

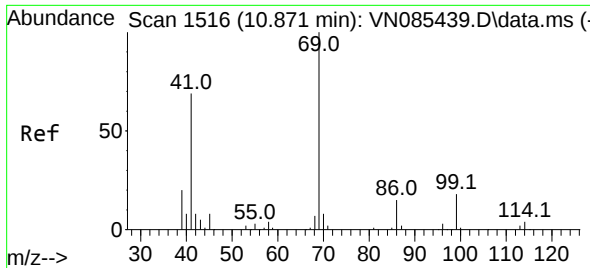
Tgt Ion: 75 Resp: 898
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.262 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085686.D
 Acq: 05 Feb 2025 18:47

Tgt Ion: 75 Resp: 52598
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 32.6 43.1 64.7#

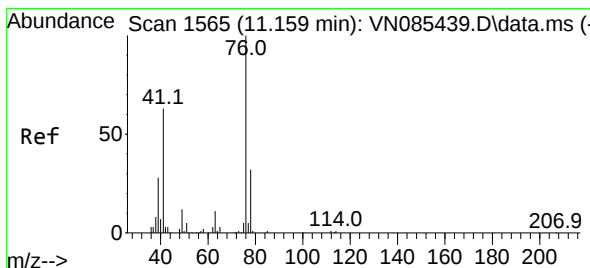
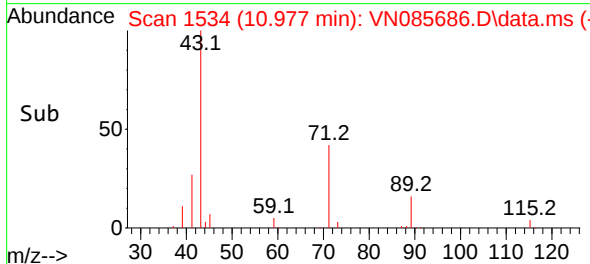
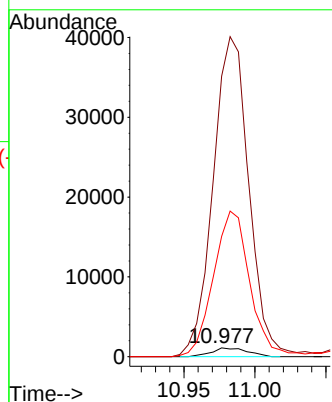
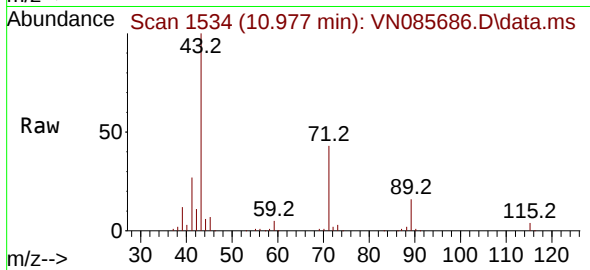




#56
Ethyl methacrylate
Concen: 2.326 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

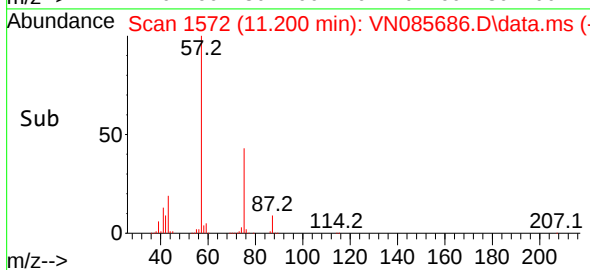
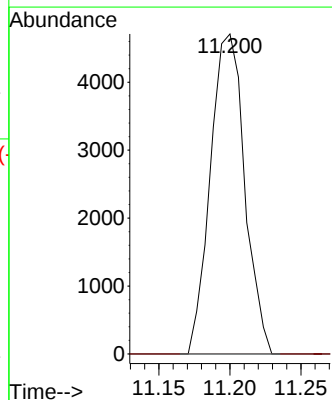
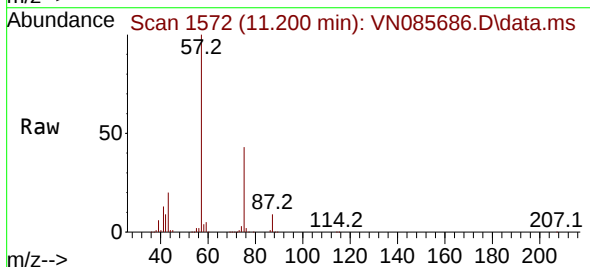
Instrument :
MSVOA_N
ClientSampleId :

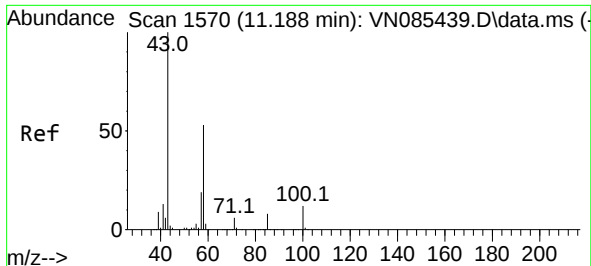
Tgt Ion: 69 Resp: 1954
Ion Ratio Lower Upper
69 100
41 3616.2 54.6 82.0#
39 1665.4 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.610 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 76 Resp: 7908
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

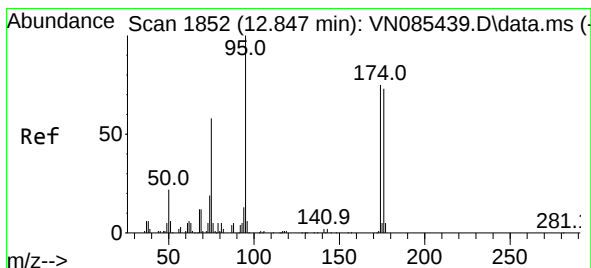
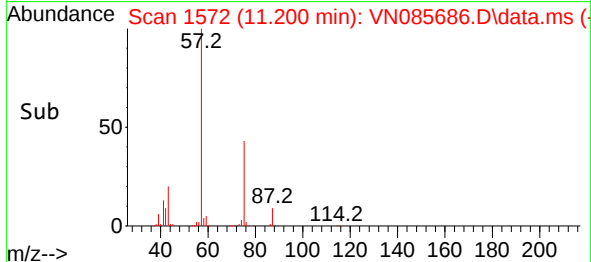
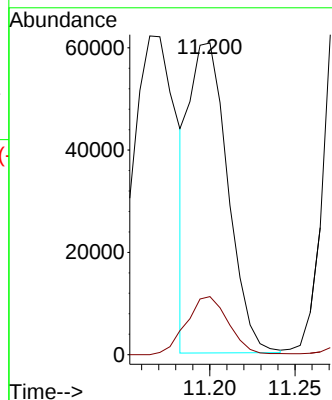
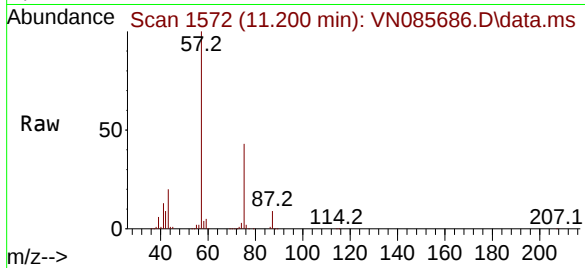




#59
2-Hexanone
Concen: 35.301 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

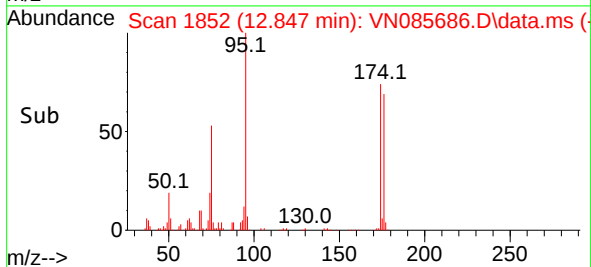
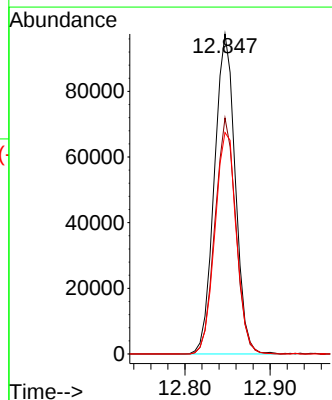
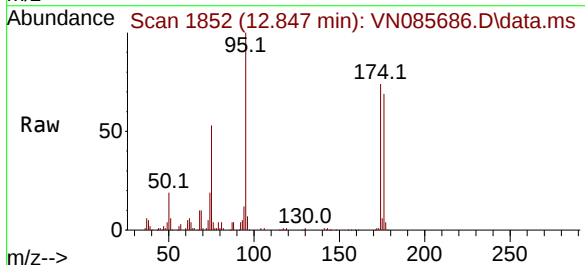
Instrument :
MSVOA_N
ClientSampleId :

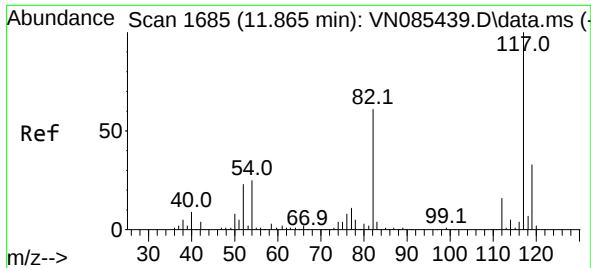
Tgt Ion: 43 Resp: 95602
Ion Ratio Lower Upper
43 100
58 20.7 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.758 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 95 Resp: 166055
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.0
176 71.4 0.0 142.4

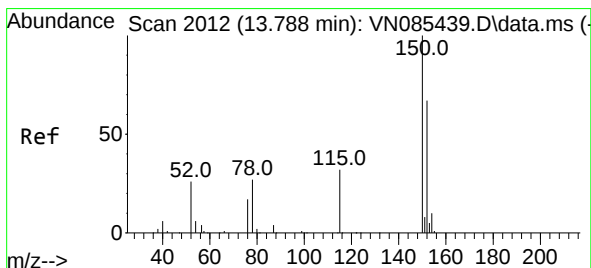
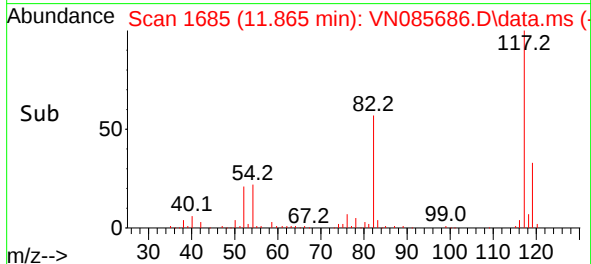
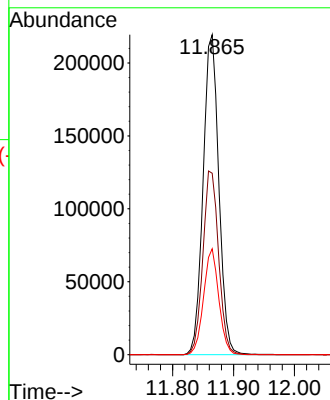
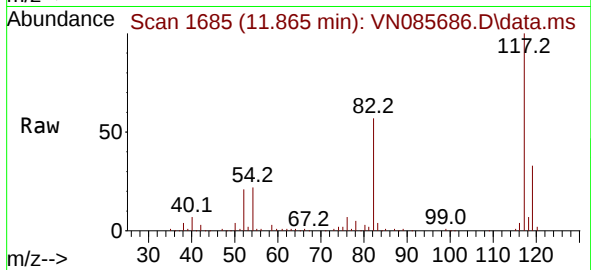




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

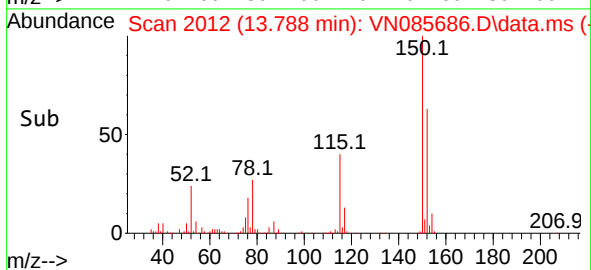
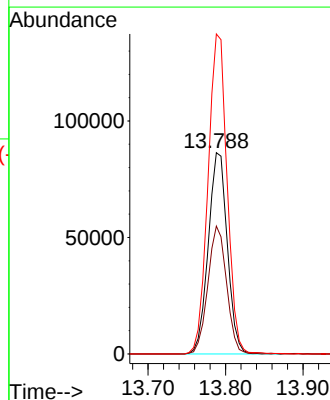
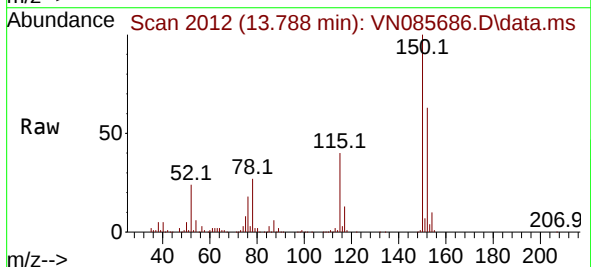
Instrument :
MSVOA_N
ClientSampleId :

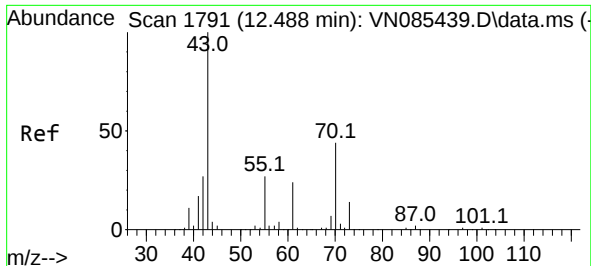
Tgt Ion:117 Resp: 392624
Ion Ratio Lower Upper
117 100
82 56.7 48.6 72.8
119 33.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

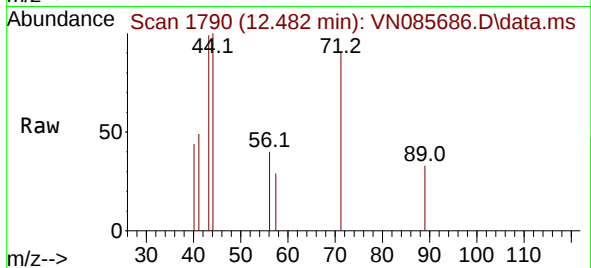
Tgt Ion:152 Resp: 147803
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.3
150 158.5 0.0 343.6



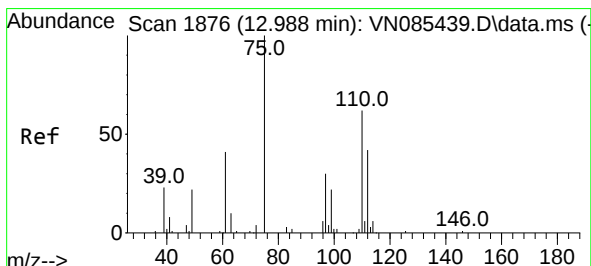
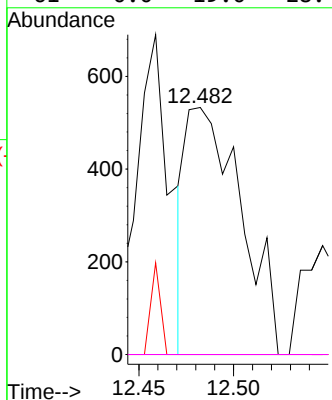
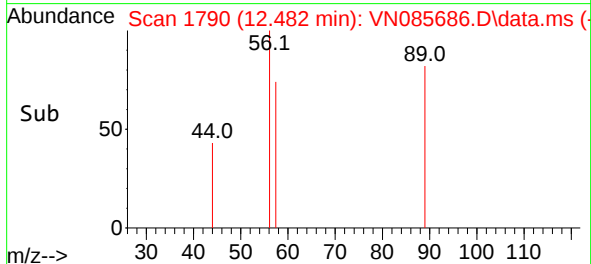


#74
N-amy1 acetate
Concen: 0.241 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

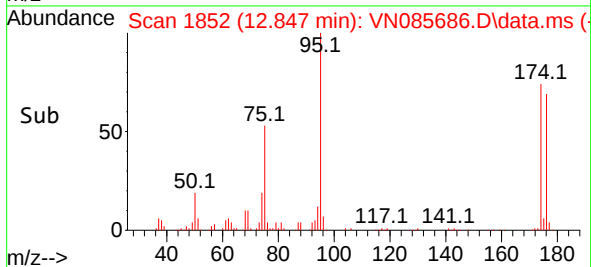
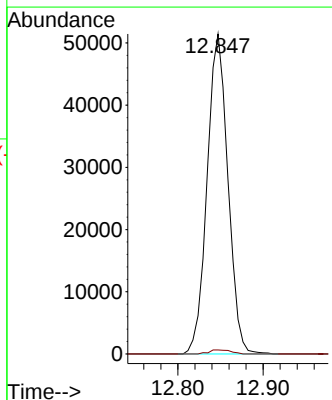
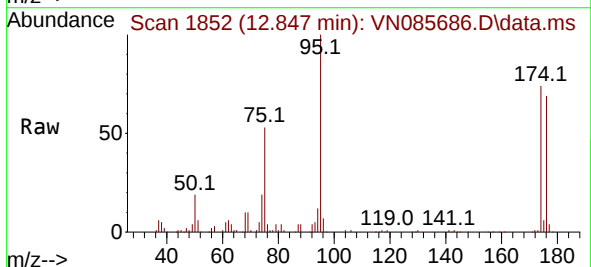


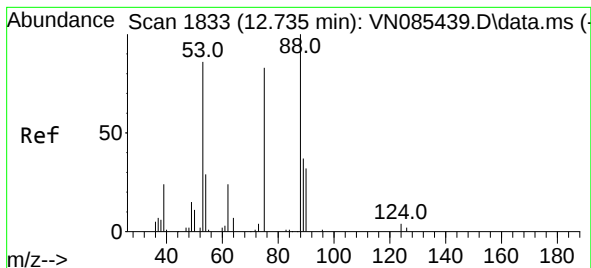
Tgt Ion: 43	Resp: 1079
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 0.0	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.105 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion: 75	Resp: 87435
Ion Ratio	Lower Upper
75 100	
77 1.3	109.7 329.2#

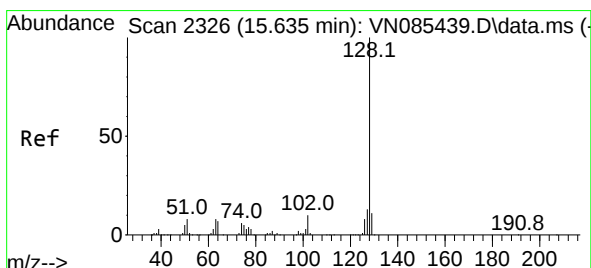
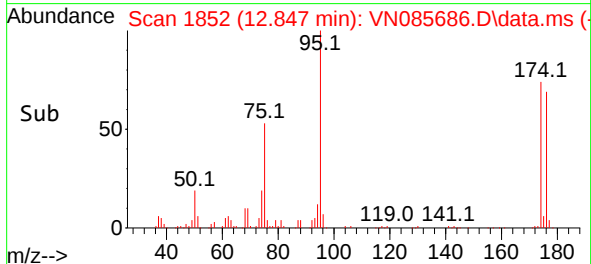
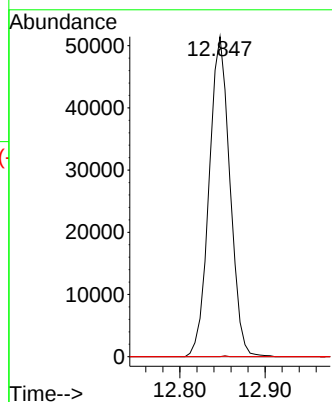
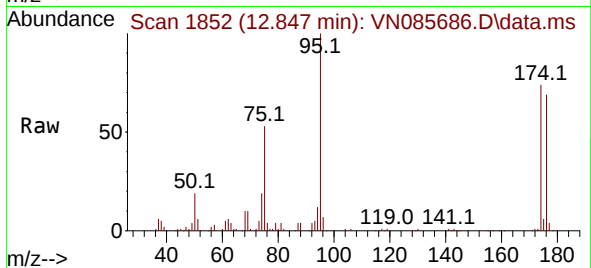




#81
trans-1,4-Dichloro-2-butene
Concen: 78.745 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 87435
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.691 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085686.D
Acq: 05 Feb 2025 18:47

Tgt Ion:128 Resp: 11231
Ion Ratio Lower Upper
128 100
127 12.5 10.6 16.0
129 9.1 8.8 13.2

