

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085573.D
 Acq On : 29 Jan 2025 21:31
 Operator : JC\MD
 Sample : PB166319ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:43:48 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

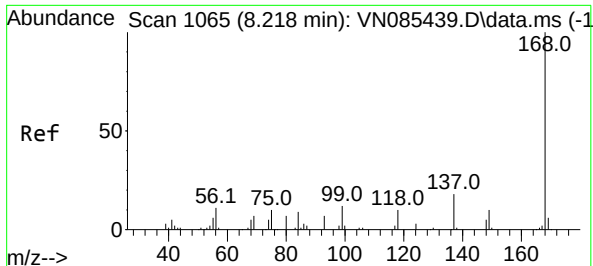
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	158804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150051	58.535	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.080%			
35) Dibromofluoromethane	8.165	113	113428	50.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	10.565	98	419323	52.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.847	95	122747	44.788	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.580%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	441	1.502	ug/l #	71
16) Acetone	4.430	43	65798	79.441	ug/l	98
18) Methyl Acetate	5.030	43	2947	1.170	ug/l #	63
20) Methylene Chloride	5.289	84	1650	0.805	ug/l #	83
25) 2-Butanone	7.489	43	6585	5.403	ug/l	100
29) Tetrahydrofuran	7.847	42	249	0.322	ug/l #	34
30) Chloroform	7.965	83	2813	0.727	ug/l	86
31) Cyclohexane	8.230	56	4796	1.474	ug/l #	9
36) 1,1-Dichloropropene	8.224	75	15965	5.045	ug/l #	50
37) Ethyl Acetate	7.559	43	3266	1.022	ug/l #	76
38) Carbon Tetrachloride	8.224	117	17843	4.925	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1103	0.308	ug/l #	76
43) Isopropyl Acetate	8.688	43	365886	71.484	ug/l #	68
45) 1,2-Dichloropropane	9.735	63	1477	0.608	ug/l #	43
48) Methyl methacrylate	9.659	41	3938	1.710	ug/l #	48
49) 1,4-Dioxane	9.735	88	70	1.805	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11822	3.980	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	38726	10.745	ug/l #	75
56) Ethyl methacrylate	10.977	69	2269	2.525	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6006	1.584	ug/l #	43
59) 2-Hexanone	11.200	43	74680	35.734	ug/l #	58
71) Bromoform	12.847	173	1020	0.585	ug/l #	1
74) N-amyl acetate	12.588	43	712	0.218	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68688	31.418	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68688	85.003	ug/l #	3

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

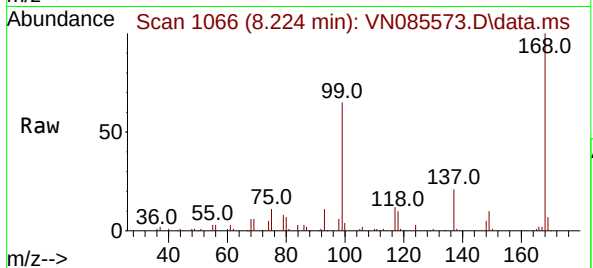
Quant Time: Jan 30 00:43:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



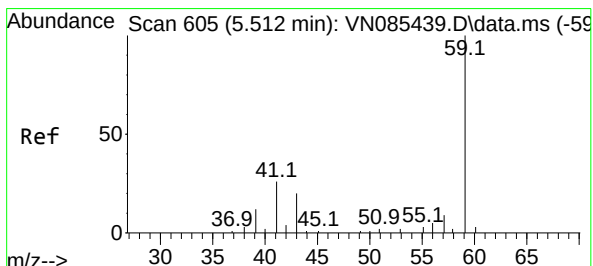
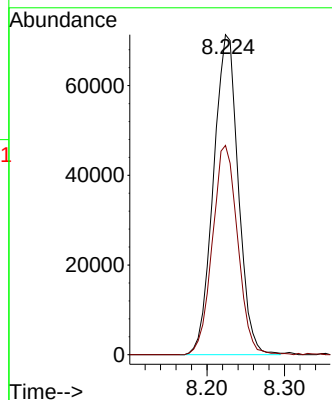
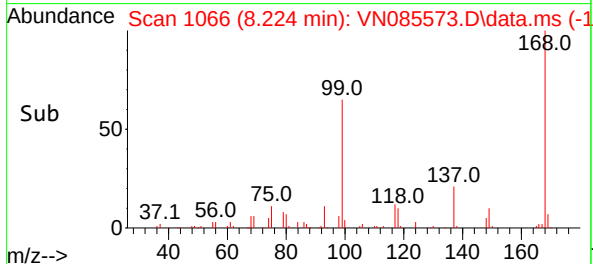


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

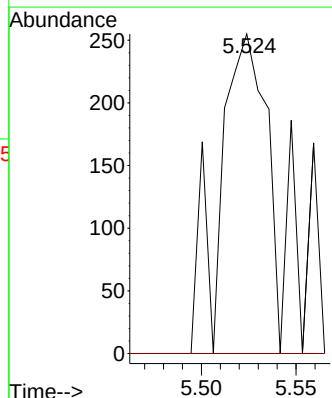
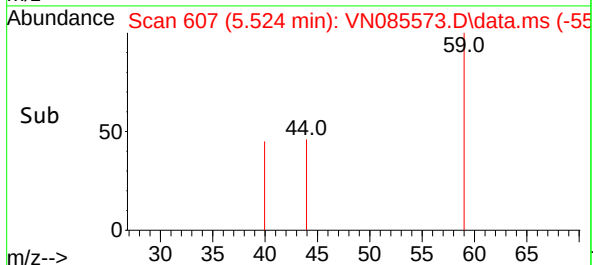
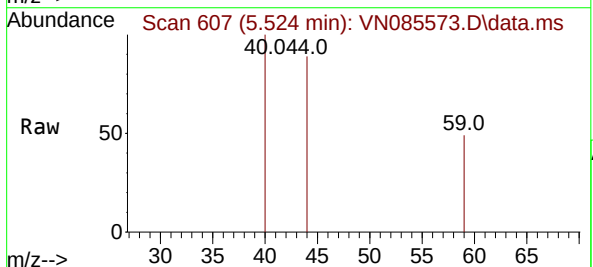


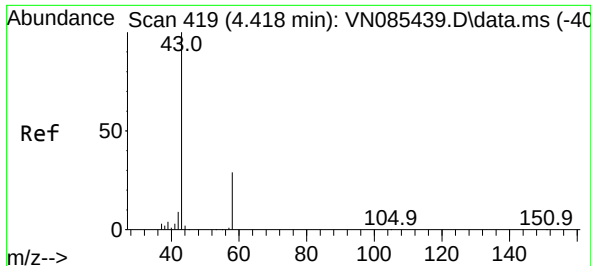
Tgt Ion:168 Resp: 158804
Ion Ratio Lower Upper
168 100
99 65.4 53.6 80.4



#11
Tert butyl alcohol
Concen: 1.502 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 59 Resp: 441
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

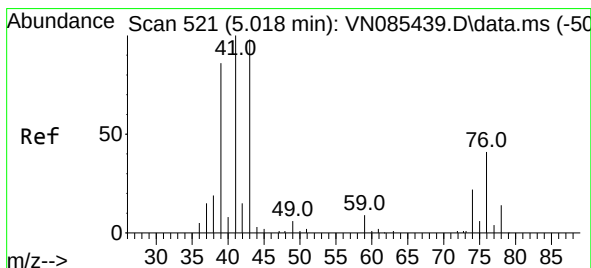
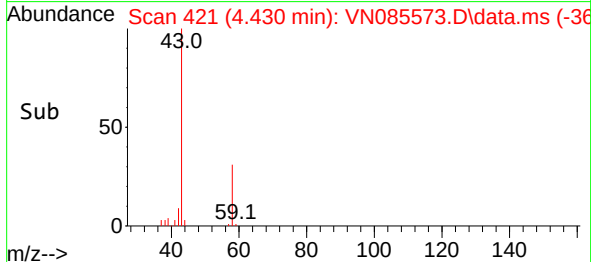
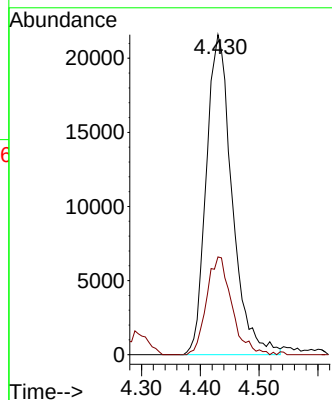
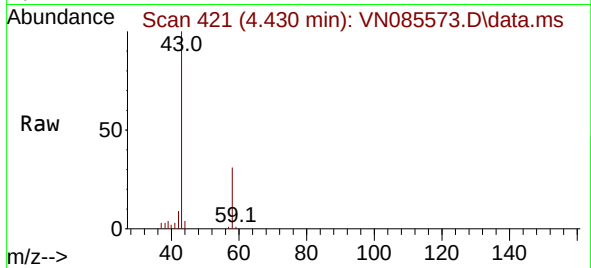




#16
Acetone
Concen: 79.441 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

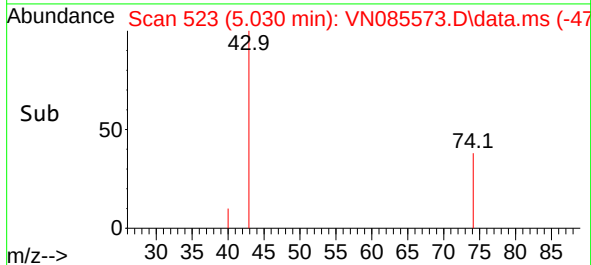
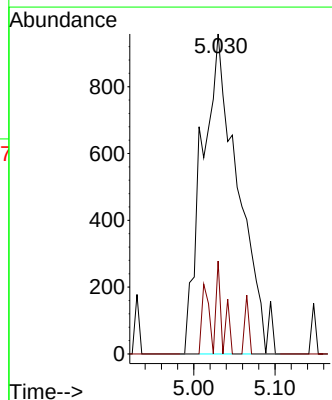
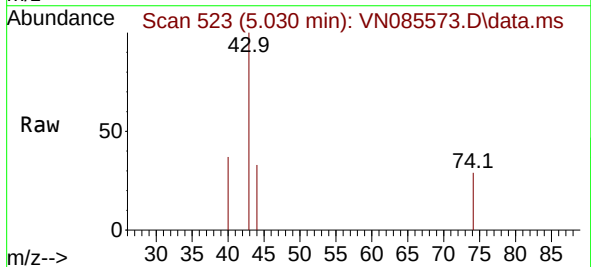
Instrument :
MSVOA_N
ClientSampleId :

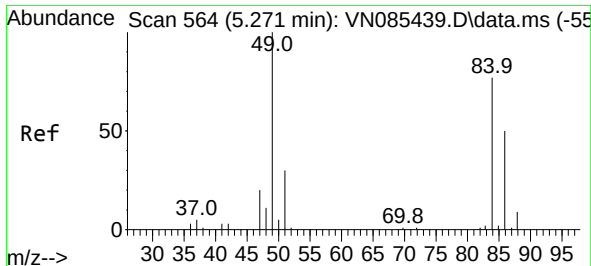
Tgt Ion: 43 Resp: 65798
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.6



#18
Methyl Acetate
Concen: 1.170 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

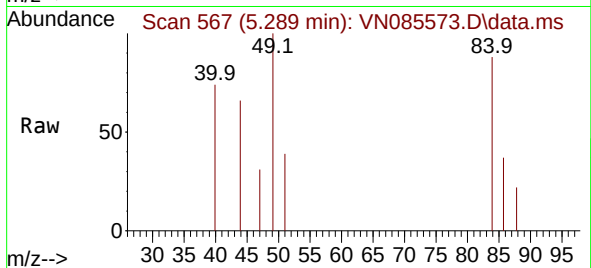
Tgt Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
74 5.3 18.6 28.0#



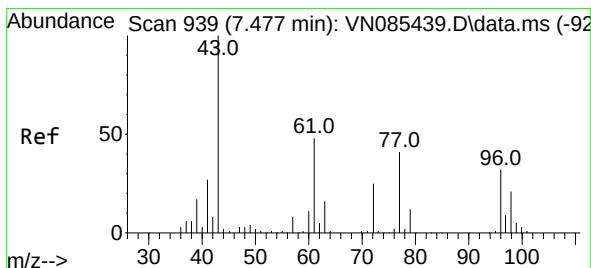
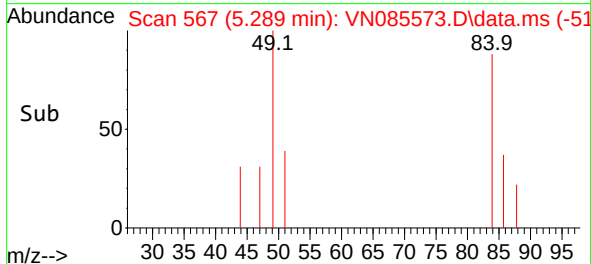
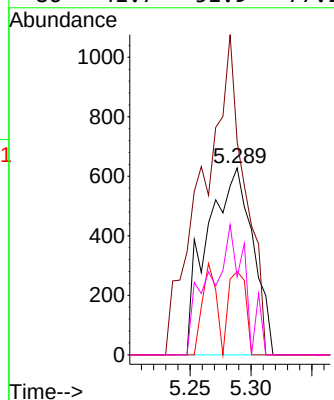


#20
Methylene Chloride
Concen: 0.805 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

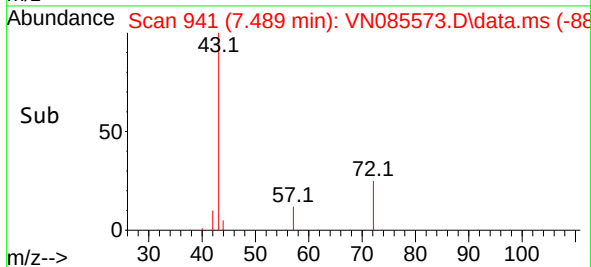
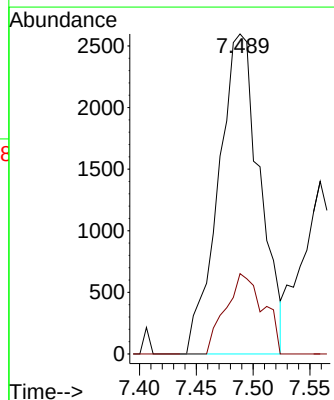
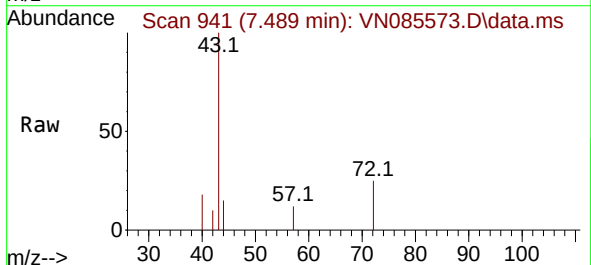


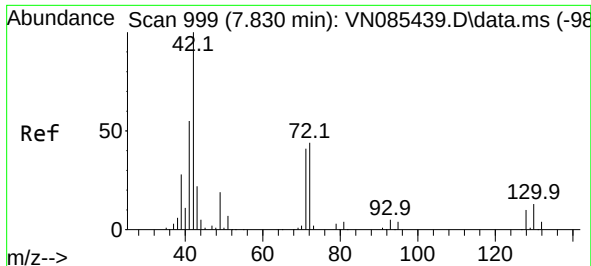
Tgt Ion:	84	Resp:	1650
Ion	Ratio	Lower	Upper
84	100		
49	114.0	104.1	156.1
51	44.6	31.0	46.4
86	41.7	51.9	77.9



#25
2-Butanone
Concen: 5.403 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion:	43	Resp:	6585
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

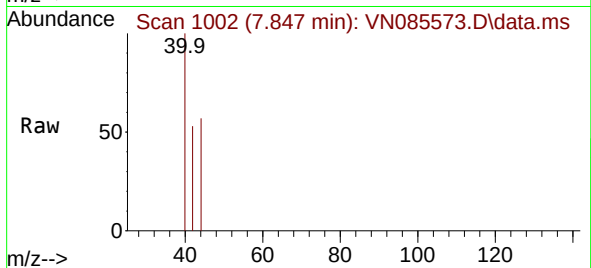
Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

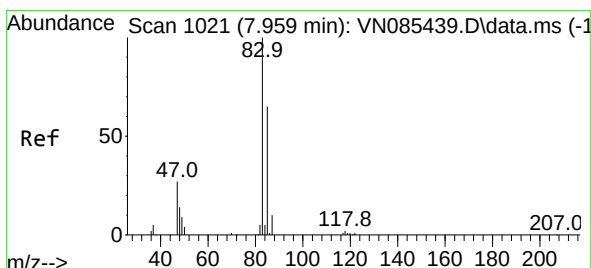
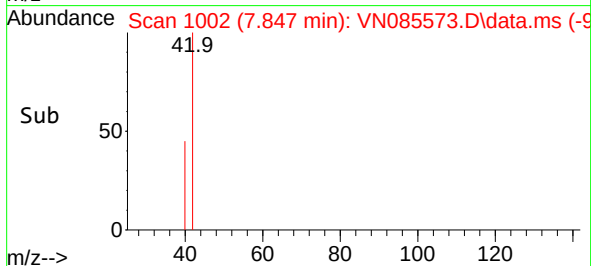
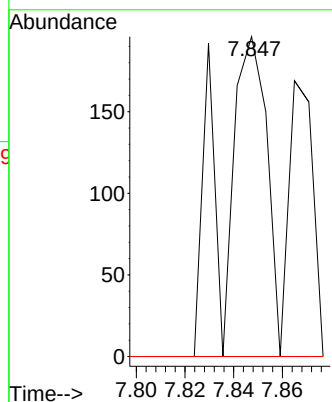
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	249
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.727 ug/l

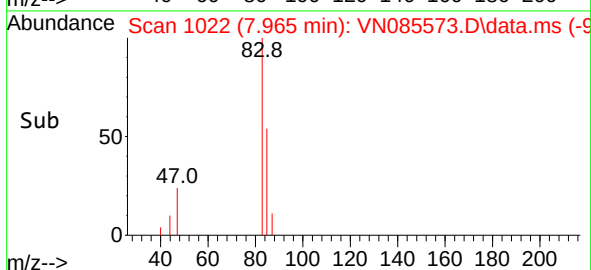
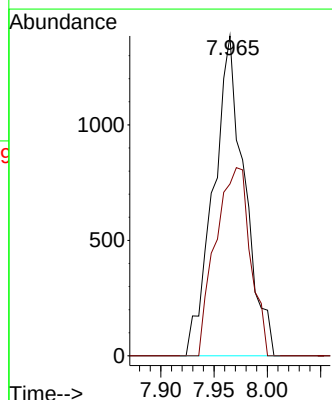
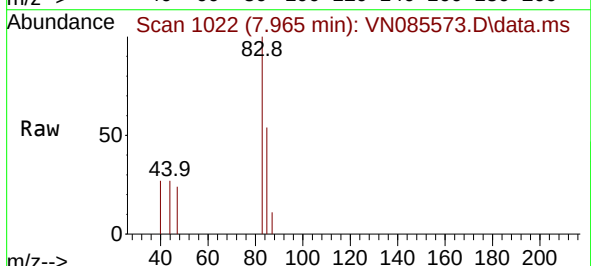
RT: 7.965 min Scan# 1022

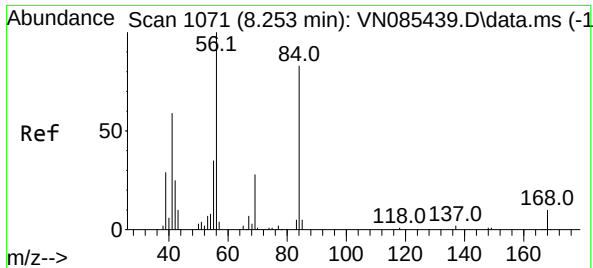
Delta R.T. 0.006 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

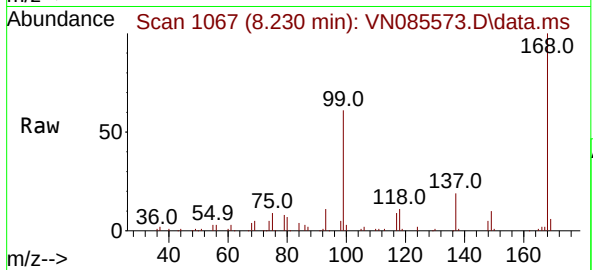
Tgt Ion:	83	Resp:	2813
Ion	Ratio	Lower	Upper
83	100		
85	53.7	51.8	77.6



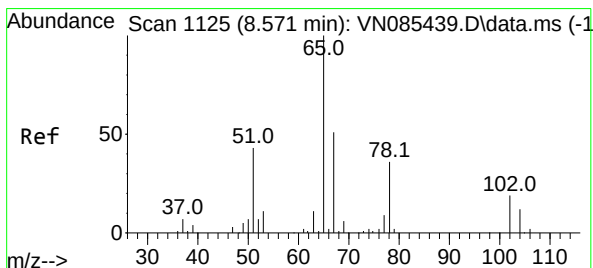
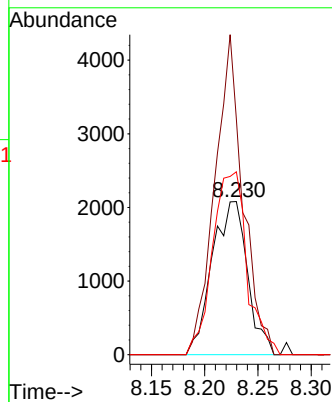
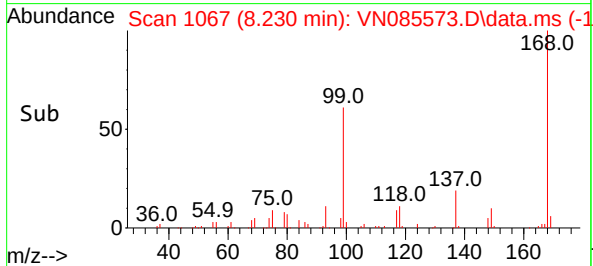


#31
Cyclohexane
Concen: 1.474 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

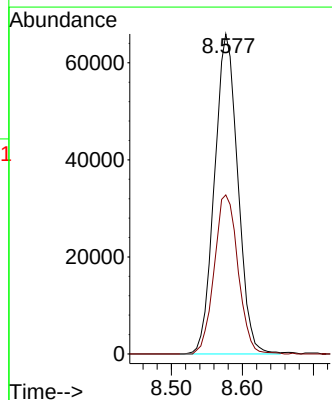
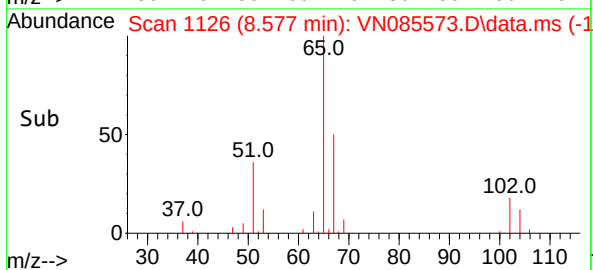
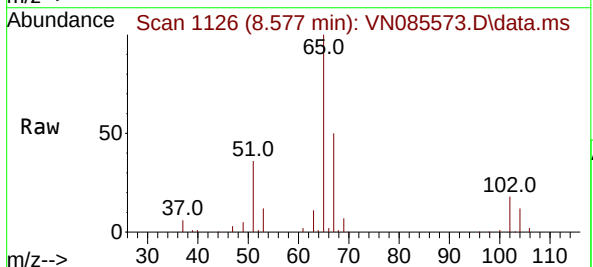


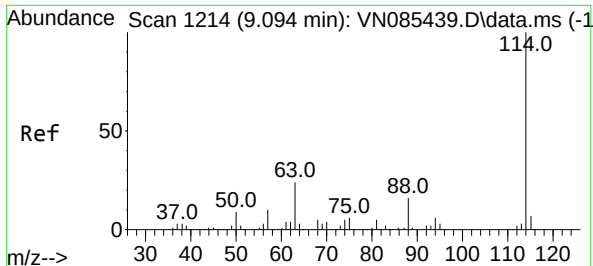
Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 153.8 22.2 33.4#
84 119.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.535 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 65 Resp: 150051
Ion Ratio Lower Upper
65 100
67 50.7 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: VN085573.D

Acq: 29 Jan 2025 21:31

Instrument :

MSVOA_N

ClientSampleId :

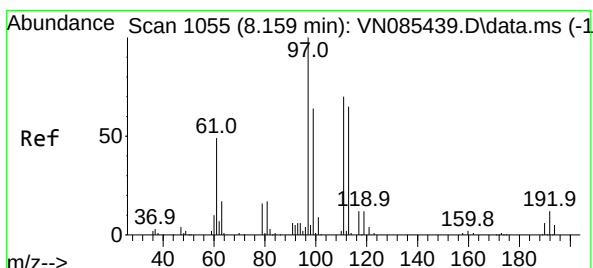
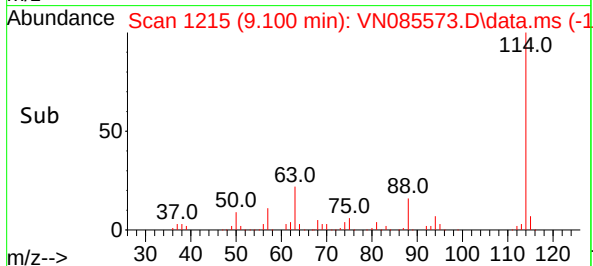
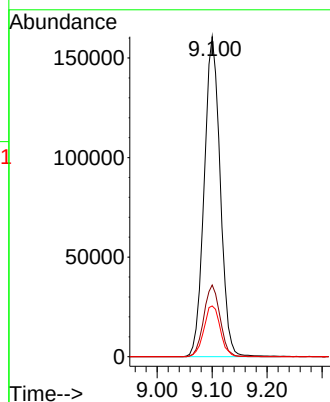
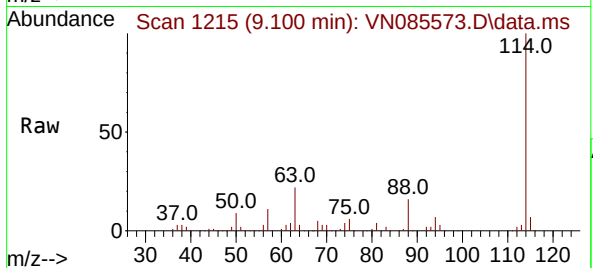
Tgt Ion:114 Resp: 325032

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.6

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.302 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

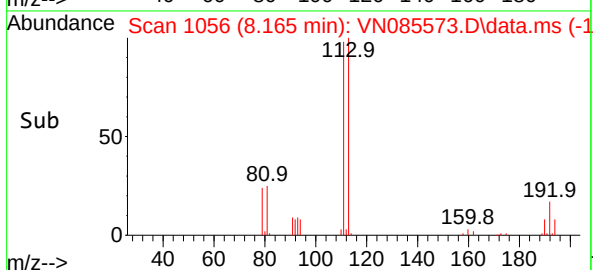
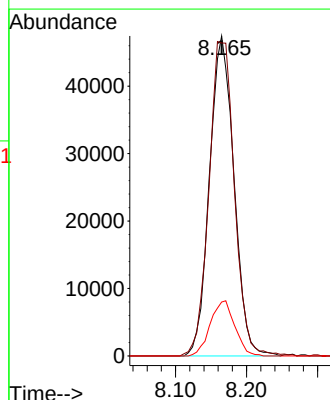
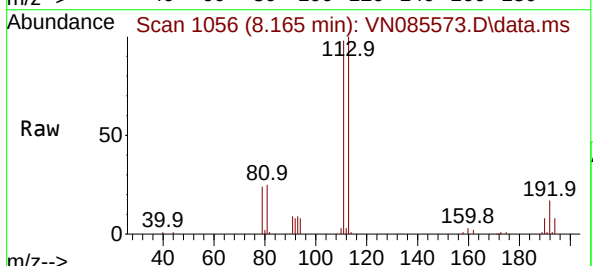
Tgt Ion:113 Resp: 113428

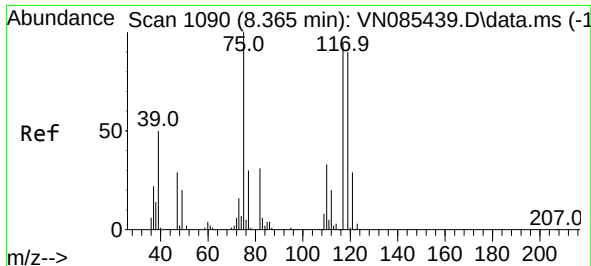
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.045 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

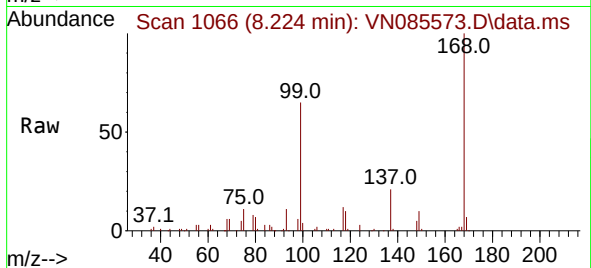
Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

Instrument :

MSVOA_N

ClientSampleId :



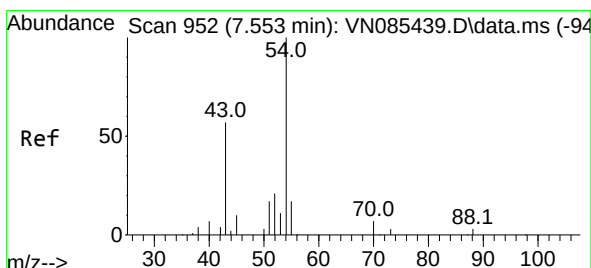
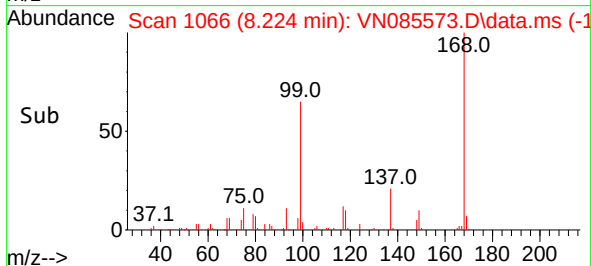
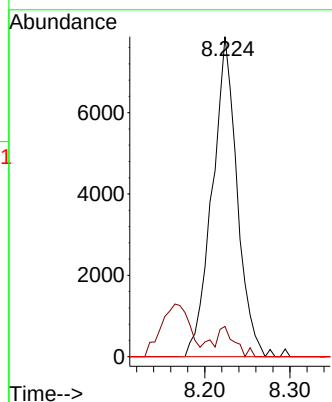
Tgt Ion: 75 Resp: 15965

Ion Ratio Lower Upper

75 100

110 7.5 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.022 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

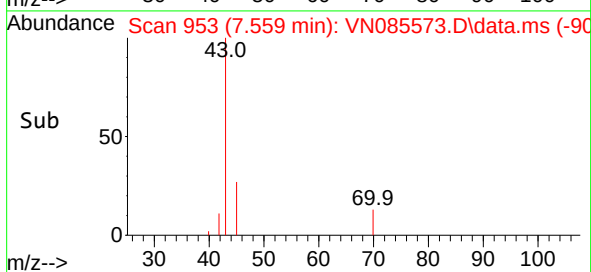
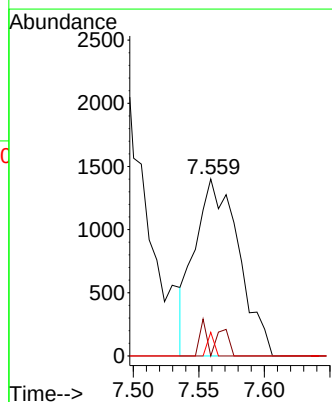
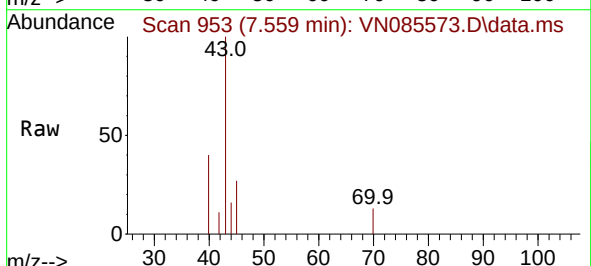
Tgt Ion: 43 Resp: 3266

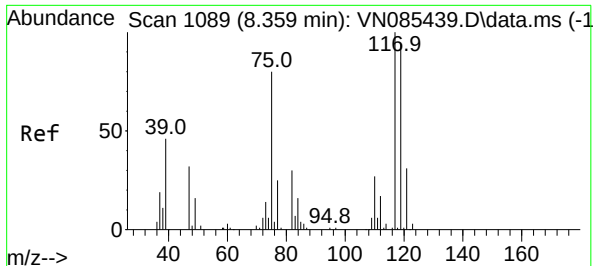
Ion Ratio Lower Upper

43 100

61 3.2 10.9 16.3#

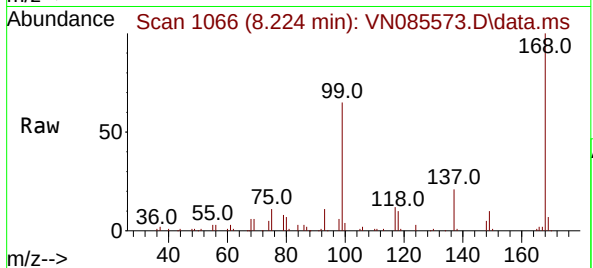
70 2.0 7.5 11.3#



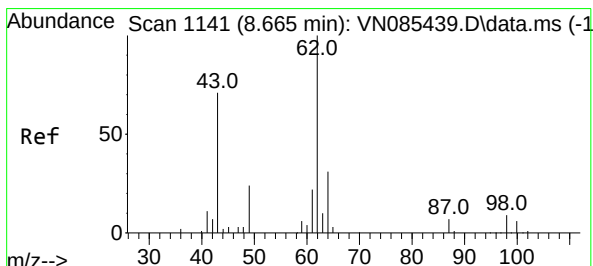
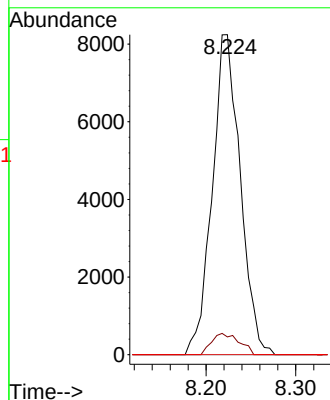
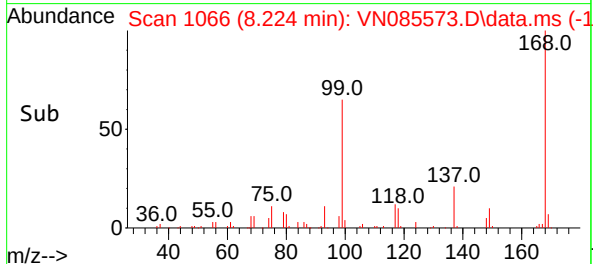


#38
Carbon Tetrachloride
Concen: 4.925 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

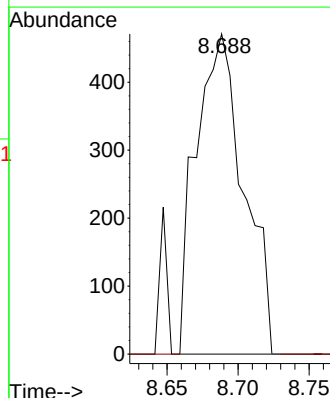
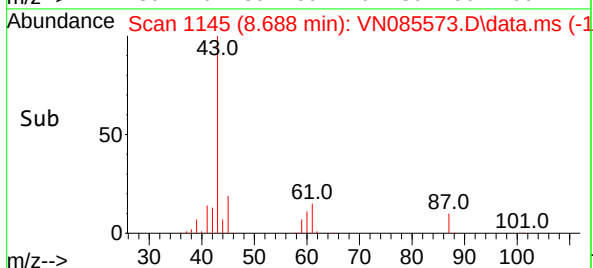
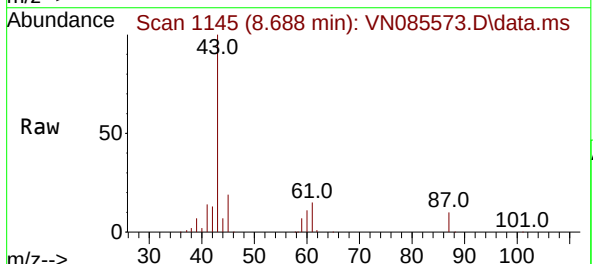


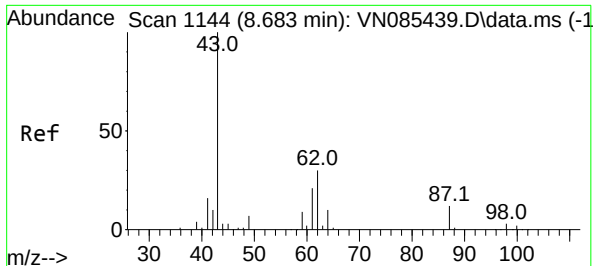
Tgt Ion:117 Resp: 17843
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.308 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.024 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 62 Resp: 1103
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 71.484 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

Instrument :

MSVOA_N

ClientSampleId :

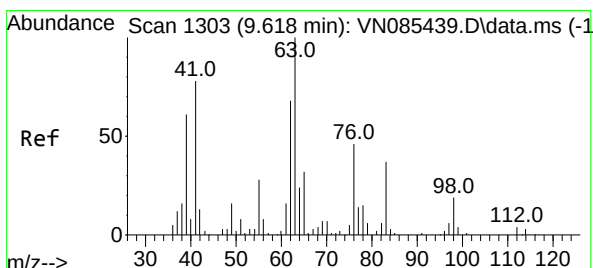
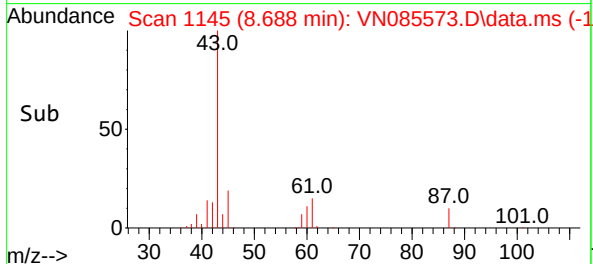
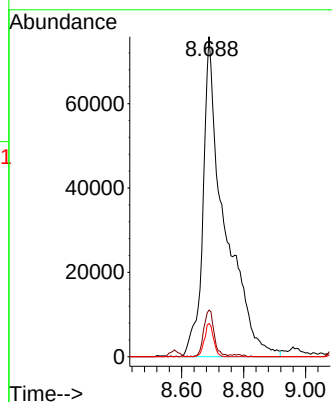
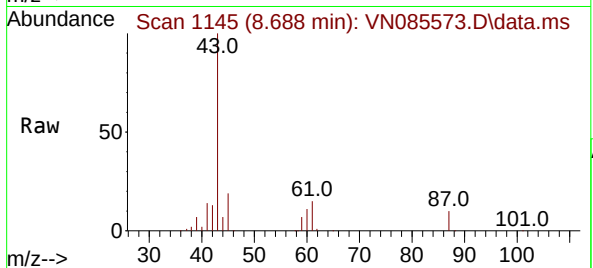
Tgt Ion: 43 Resp: 365886

Ion Ratio Lower Upper

43 100

61 7.0 20.7 31.1#

87 4.4 9.8 14.8#



#45

1,2-Dichloropropane

Concen: 0.608 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN085573.D

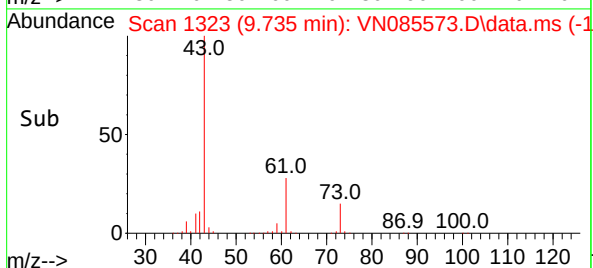
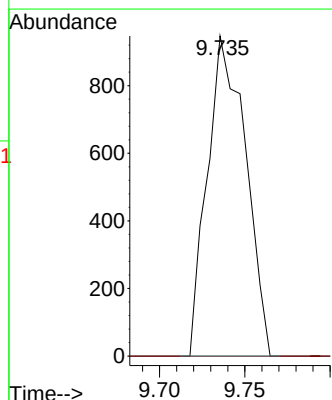
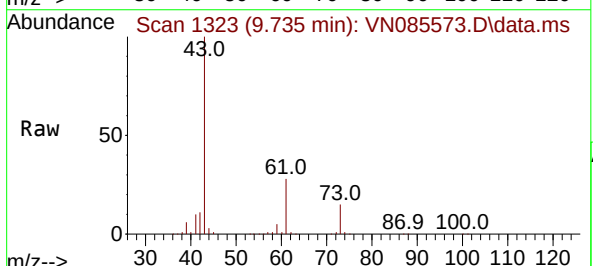
Acq: 29 Jan 2025 21:31

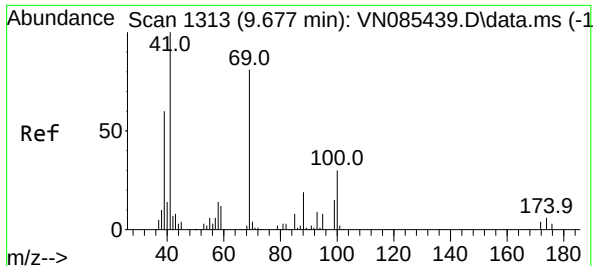
Tgt Ion: 63 Resp: 1477

Ion Ratio Lower Upper

63 100

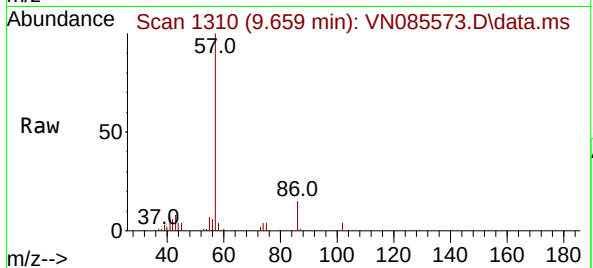
65 0.0 25.6 38.4#



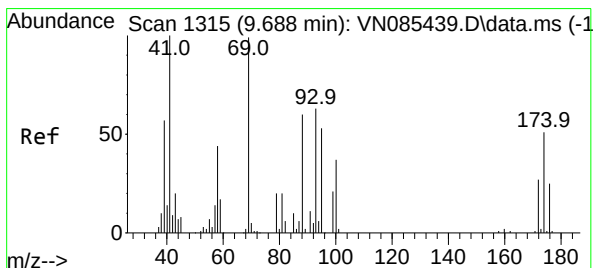
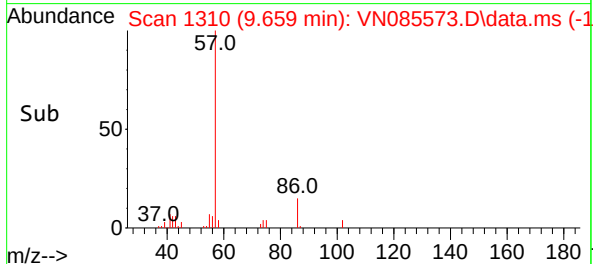
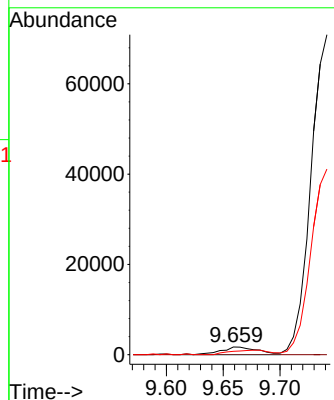


#48
Methyl methacrylate
Concen: 1.710 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

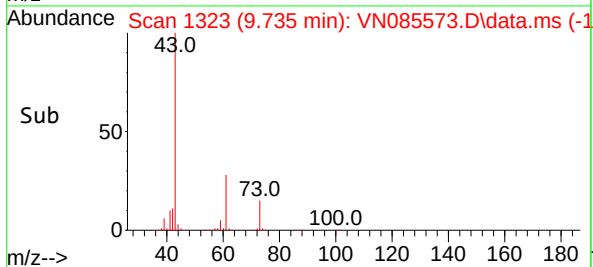
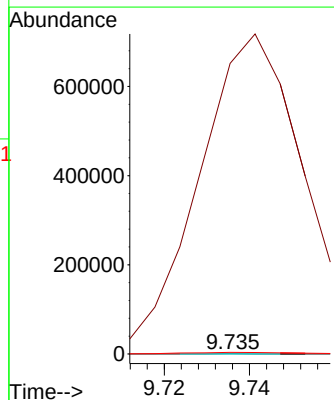
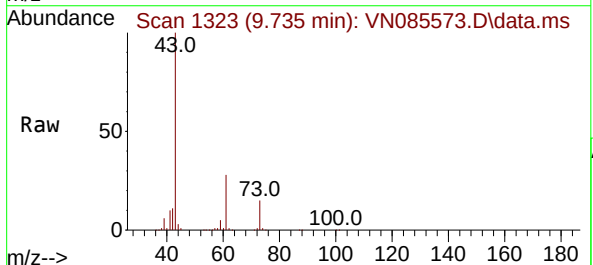


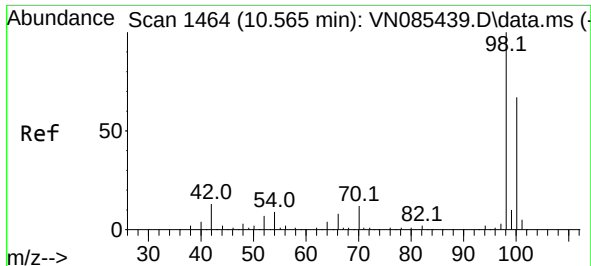
Tgt Ion: 41 Resp: 3938
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 62.0 49.0 73.6



#49
1,4-Dioxane
Concen: 1.805 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.047 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 1797978.6 26.6 39.8#
58 9917.1 59.5 89.3#

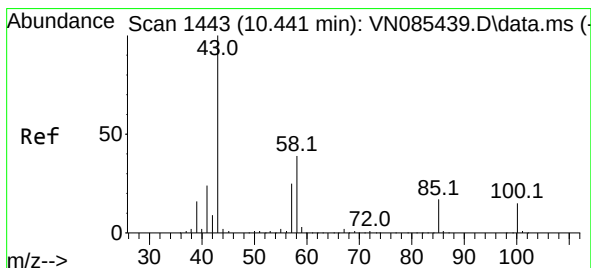
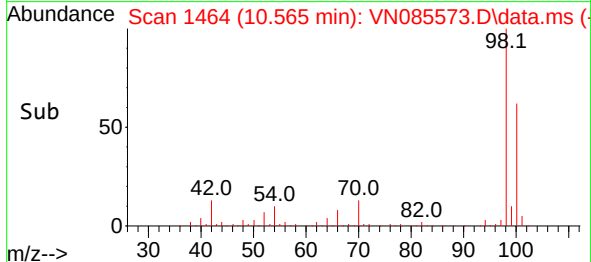
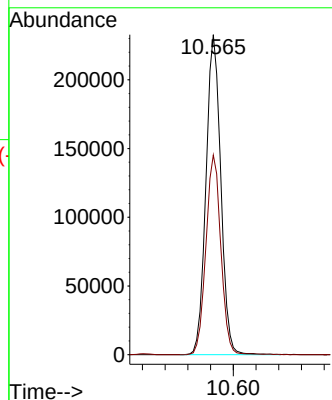
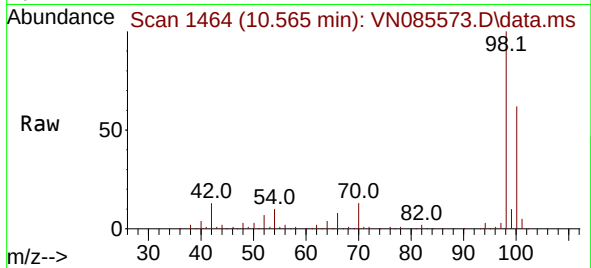




#50
Toluene-d8
Concen: 52.339 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

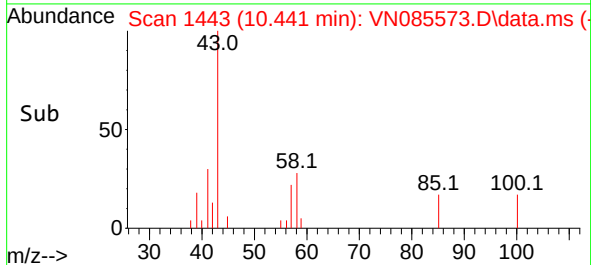
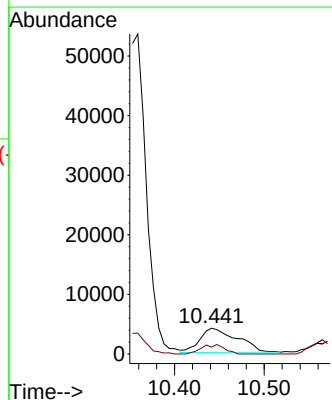
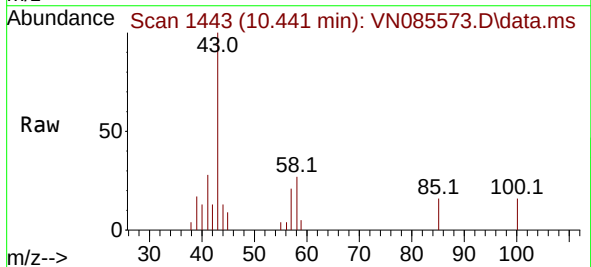
Instrument :
MSVOA_N
ClientSampleId :

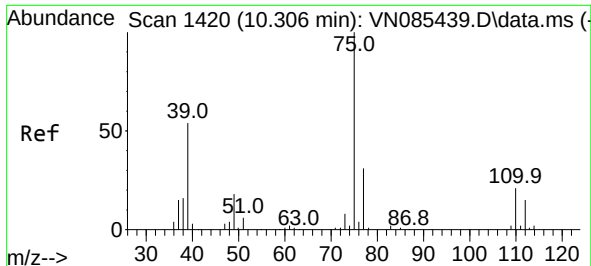
Tgt Ion: 98 Resp: 419323
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.980 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 43 Resp: 11822
Ion Ratio Lower Upper
43 100
58 23.7 30.5 45.7#

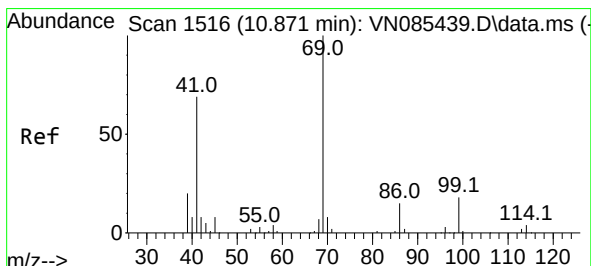
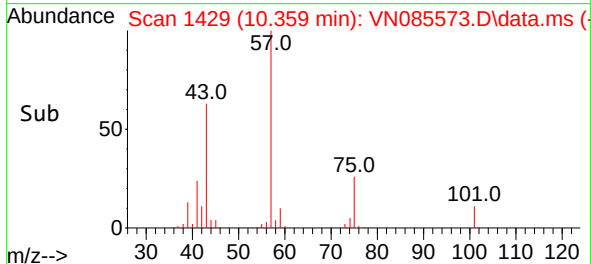
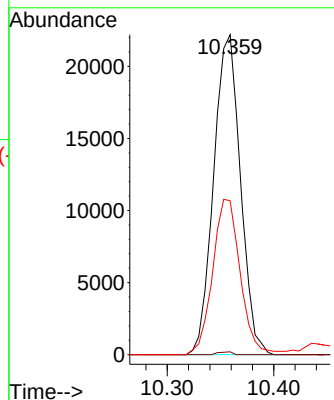
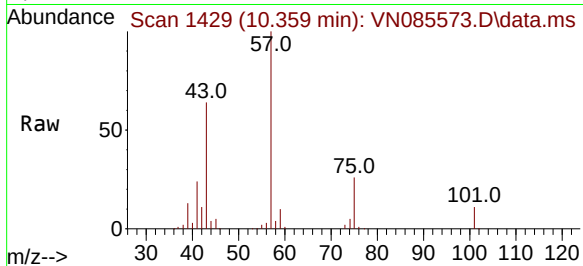




#54
 cis-1,3-Dichloropropene
 Concen: 10.745 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085573.D
 Acq: 29 Jan 2025 21:31

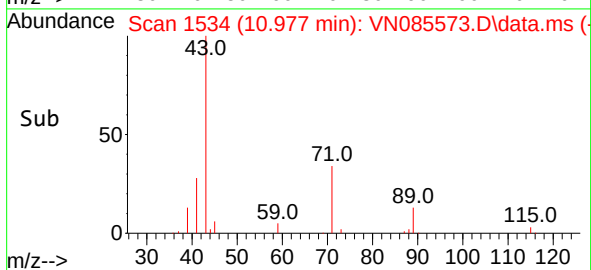
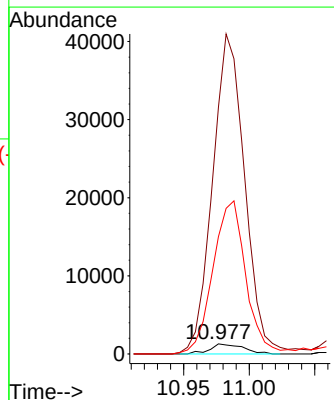
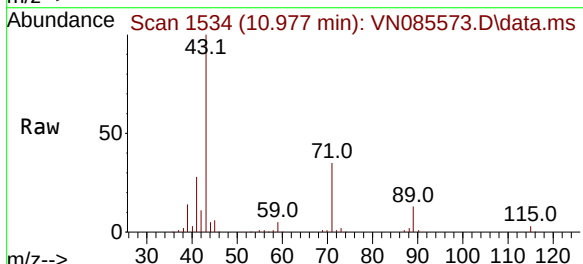
Instrument :
 MSVOA_N
 ClientSampleId :

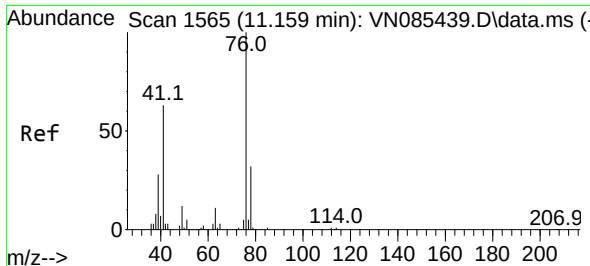
Tgt Ion: 75 Resp: 38726
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 48.1 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.525 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085573.D
 Acq: 29 Jan 2025 21:31

Tgt Ion: 69 Resp: 2269
 Ion Ratio Lower Upper
 69 100
 41 3098.5 54.6 82.0#
 39 1510.9 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.584 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

Instrument :

MSVOA_N

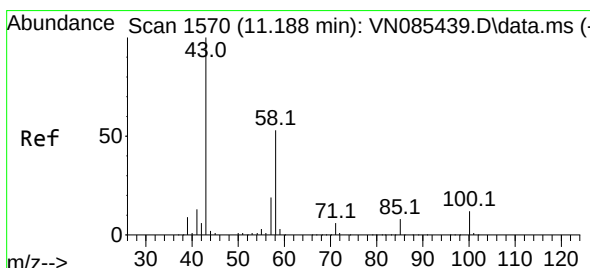
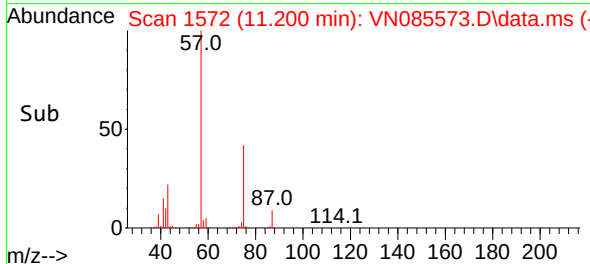
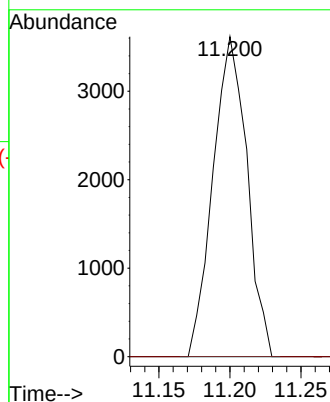
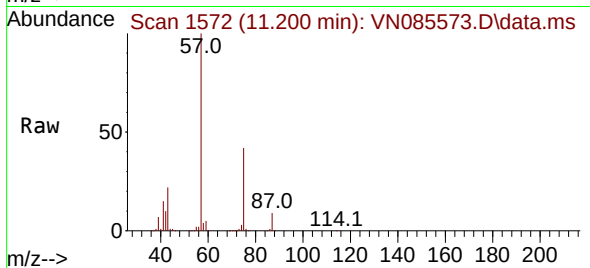
ClientSampleId :

Tgt Ion: 76 Resp: 6006

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 35.734 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085573.D

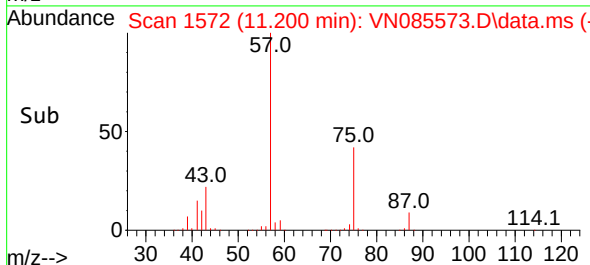
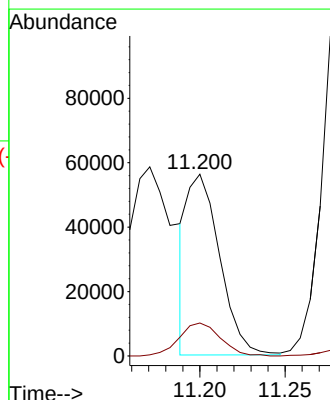
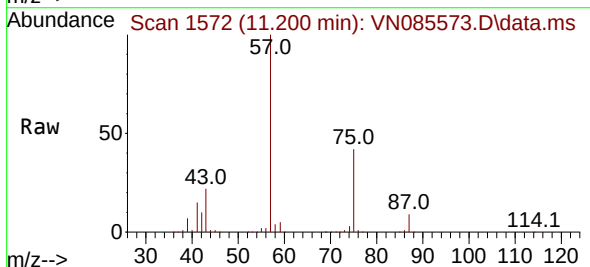
Acq: 29 Jan 2025 21:31

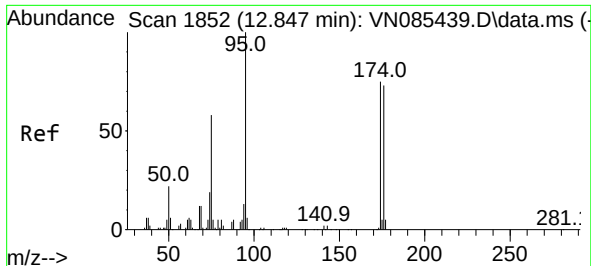
Tgt Ion: 43 Resp: 74680

Ion Ratio Lower Upper

43 100

58 23.1 26.2 78.6#

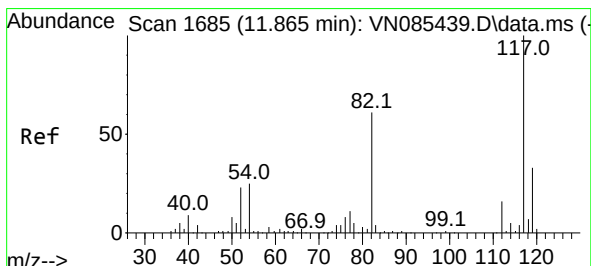
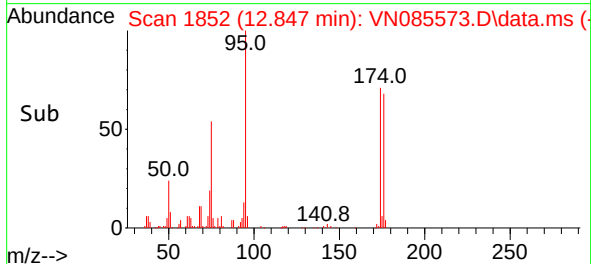
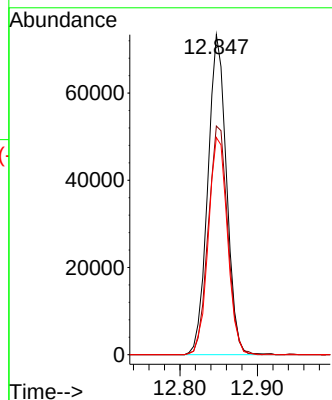
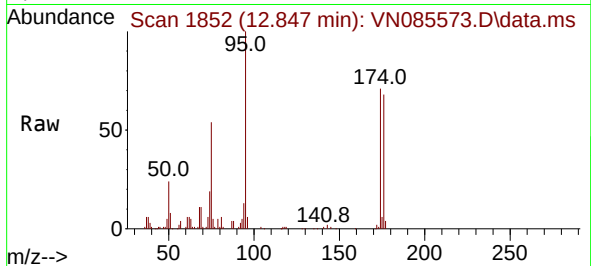




#62
4-Bromofluorobenzene
Concen: 44.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

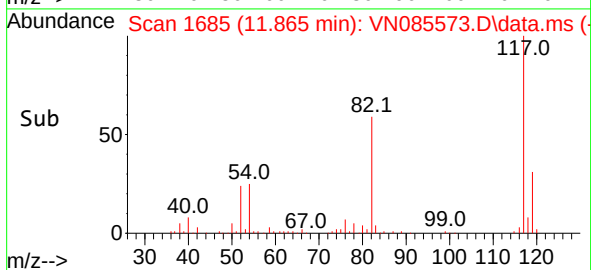
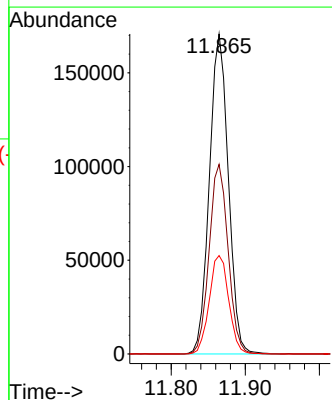
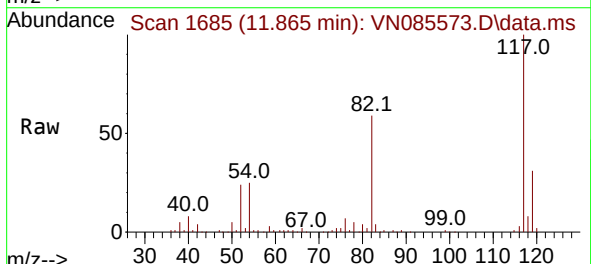
Instrument :
MSVOA_N
ClientSampleId :

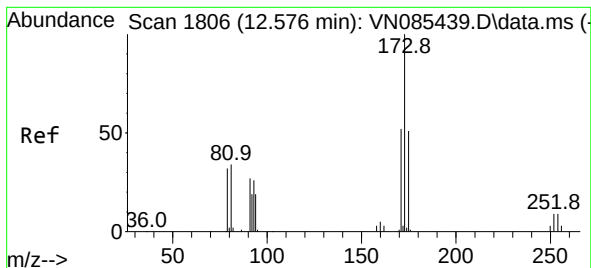
Tgt Ion: 95 Resp: 122747
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.0
176 69.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Tgt Ion: 117 Resp: 303081
Ion Ratio Lower Upper
117 100
82 59.3 48.6 72.8
119 30.7 26.6 39.8





#71

Bromoform

Concen: 0.585 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085573.D

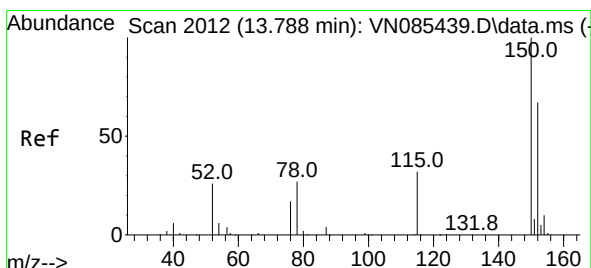
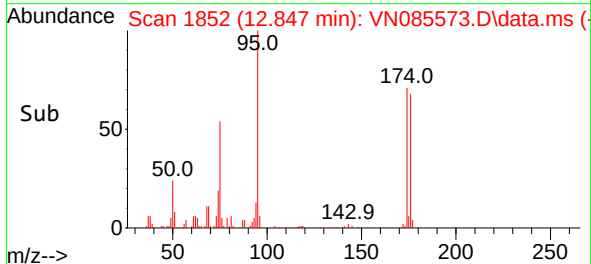
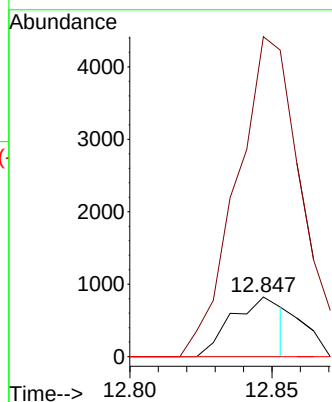
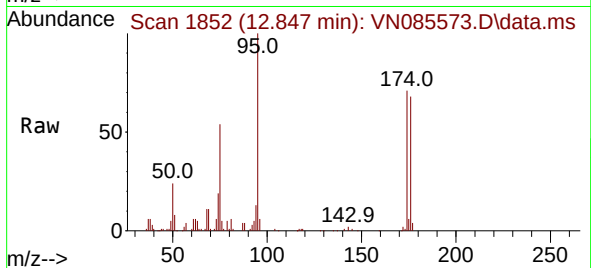
Acq: 29 Jan 2025 21:31

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	1020
Ion Ratio	Lower	Upper	
173	100		
175	513.3	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

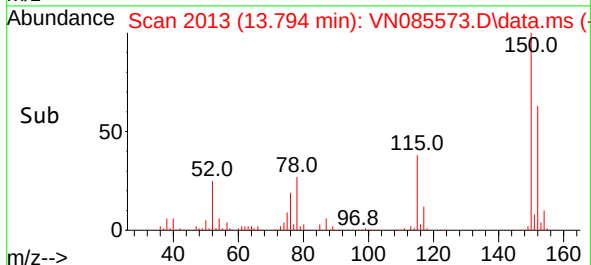
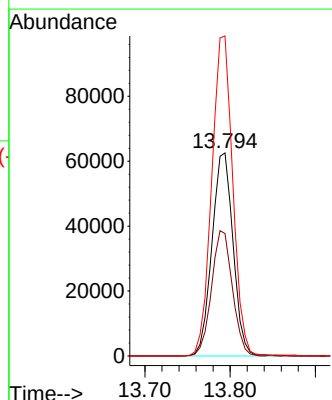
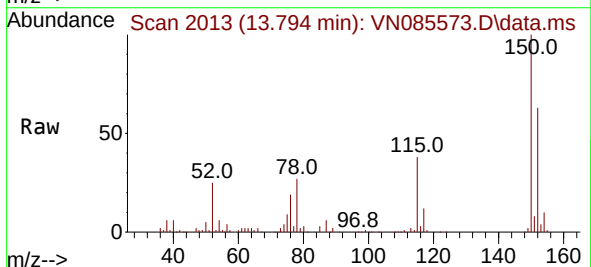
RT: 13.794 min Scan# 2013

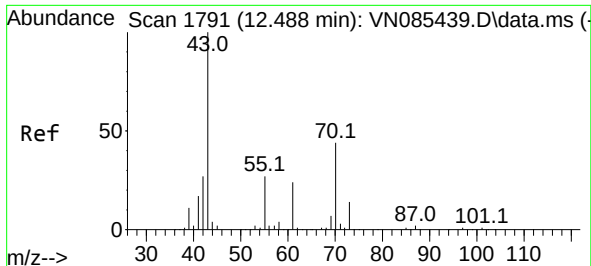
Delta R.T. 0.006 min

Lab File: VN085573.D

Acq: 29 Jan 2025 21:31

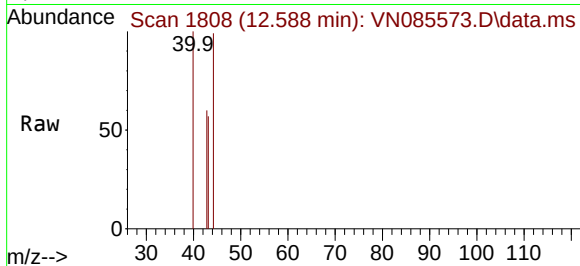
Tgt Ion:	152	Resp:	107565
Ion Ratio	Lower	Upper	
152	100		
115	61.0	31.1	93.3
150	156.8	0.0	343.6



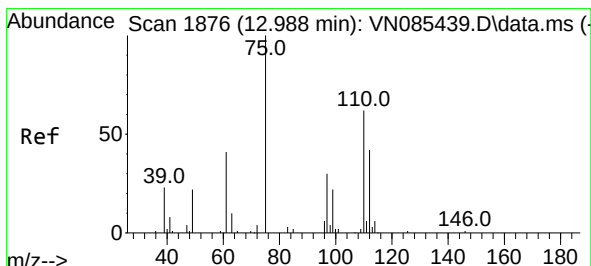
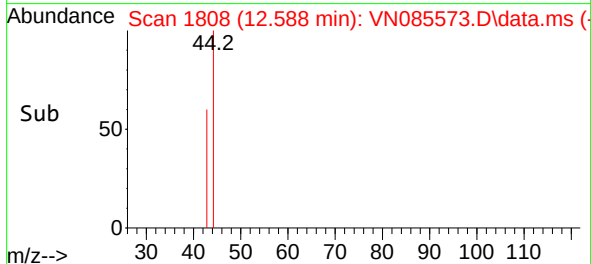
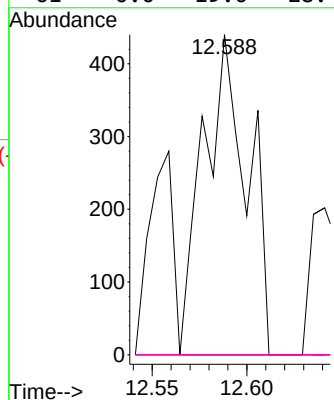


#74
N-amy1 acetate
Concen: 0.218 ug/l
RT: 12.588 min Scan# 1808
Delta R.T. 0.100 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

Instrument :
MSVOA_N
ClientSampleId :

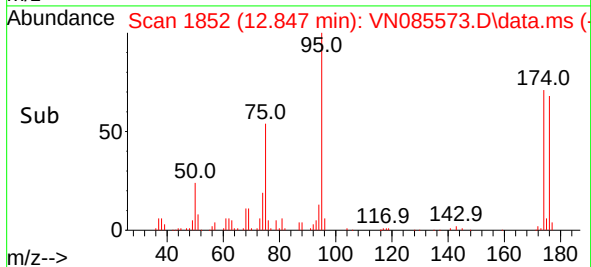
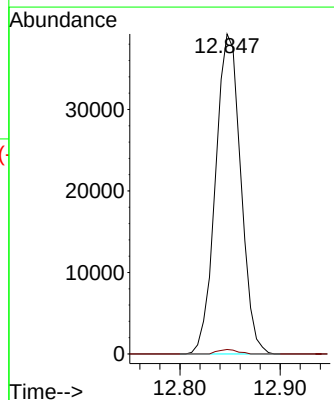
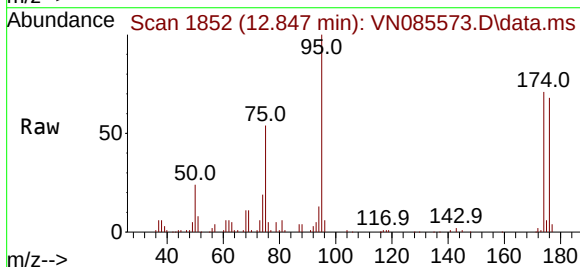


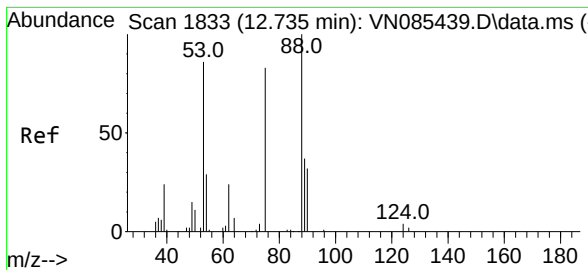
Tgt Ion: 43	Resp: 712
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 0.0	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085573.D
Acq: 29 Jan 2025 21:31

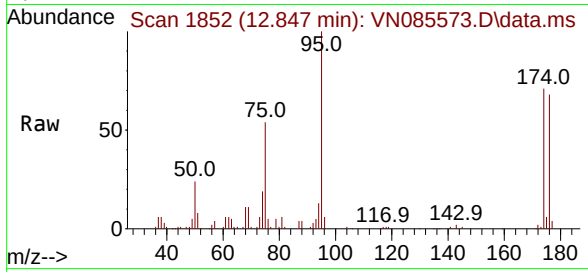
Tgt Ion: 75	Resp: 68688
Ion Ratio	Lower Upper
75 100	
77 1.1	109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.003 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085573.D
 Acq: 29 Jan 2025 21:31

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68688
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.6 143.4#
 89 0.0 37.0 55.6#

