

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085606.D
 Acq On : 31 Jan 2025 16:52
 Operator : JC\MD
 Sample : PB166357ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

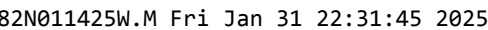
Quant Time: Jan 31 22:31:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

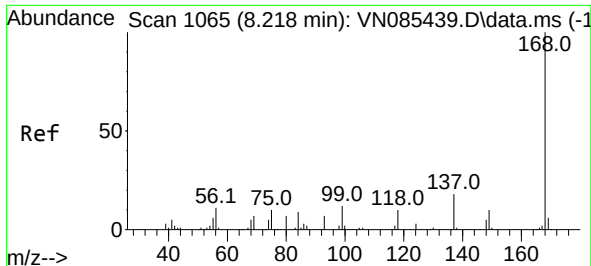
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	168494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	343770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156269	57.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.920%
35) Dibromofluoromethane	8.165	113	117254	49.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.320%
50) Toluene-d8	10.565	98	436816	51.550	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.847	95	130030	44.860	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	639	0.259	ug/l #	41
11) Tert butyl alcohol	5.518	59	83	0.267	ug/l #	71
16) Acetone	4.436	43	38748	44.092	ug/l	98
18) Methyl Acetate	5.042	43	3411	1.276	ug/l #	77
20) Methylene Chloride	5.277	84	7764	3.569	ug/l	91
25) 2-Butanone	7.489	43	4534	3.506	ug/l #	88
30) Chloroform	7.971	83	1572	0.383	ug/l	92
31) Cyclohexane	8.224	56	4946	1.433	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15867	4.740	ug/l #	50
37) Ethyl Acetate	7.565	43	3935	1.165	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18921	4.938	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1009	0.266	ug/l #	76
43) Isopropyl Acetate	8.688	43	228449	42.200	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	1918	0.747	ug/l #	43
48) Methyl methacrylate	9.741	41	147752	60.648	ug/l #	47
49) 1,4-Dioxane	9.747	88	71	1.731	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12396	3.946	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	1118	0.313	ug/l #	53
54) cis-1,3-Dichloropropene	10.359	75	46887	12.300	ug/l #	68
56) Ethyl methacrylate	10.988	69	2588	2.572	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	7354	1.834	ug/l #	43
59) 2-Hexanone	11.200	43	90607	40.991	ug/l #	57
71) Bromoform	12.847	173	1224	0.673	ug/l #	1
74) N-amyl acetate	12.482	43	1395	0.408	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72479	31.643	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72479	85.612	ug/l #	3

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

Quant Time: Jan 31 22:31:36 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

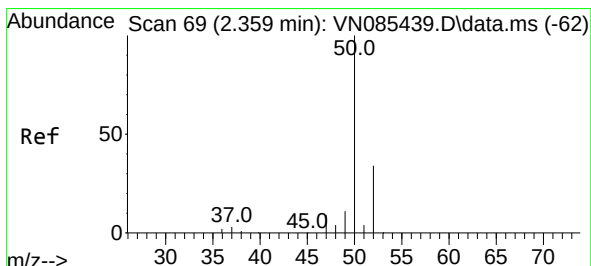
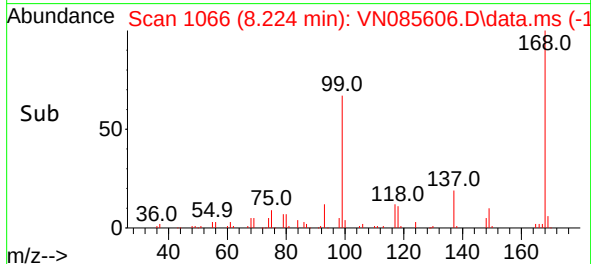
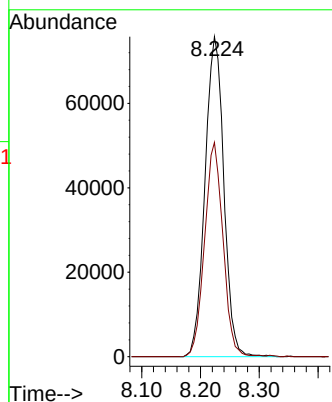
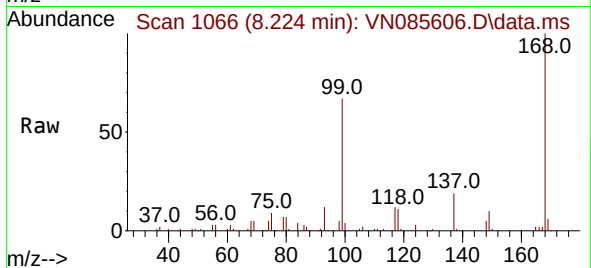




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

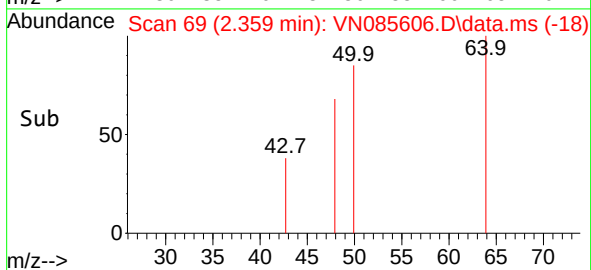
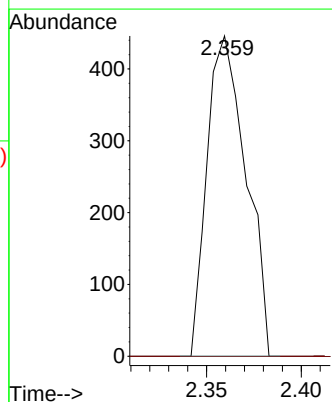
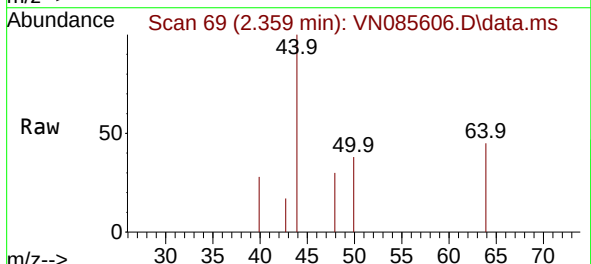
Instrument :
MSVOA_N
ClientSampleId :

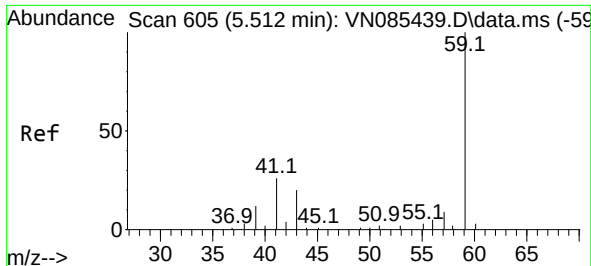
Tgt Ion:168 Resp: 168494
Ion Ratio Lower Upper
168 100
99 66.9 53.6 80.4



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 50 Resp: 639
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

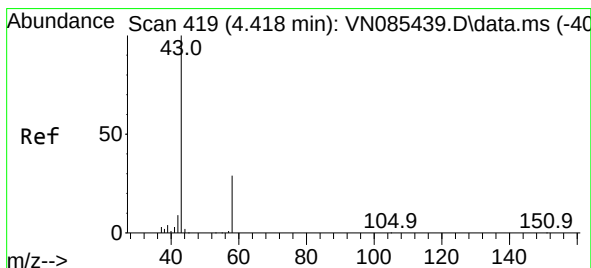
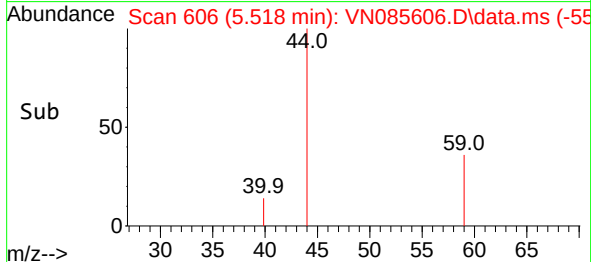
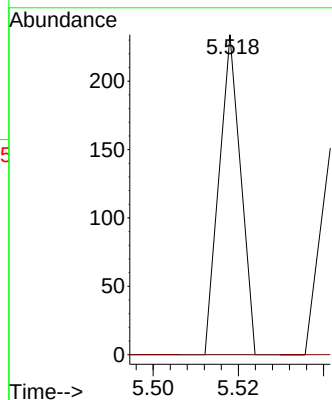
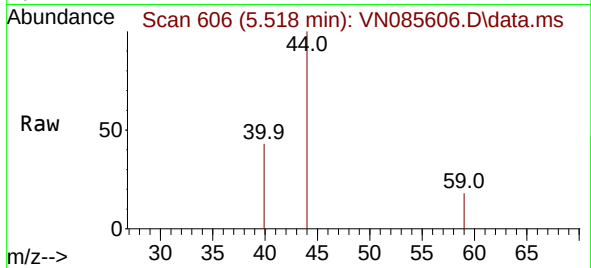




#11
Tert butyl alcohol
Concen: 0.267 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

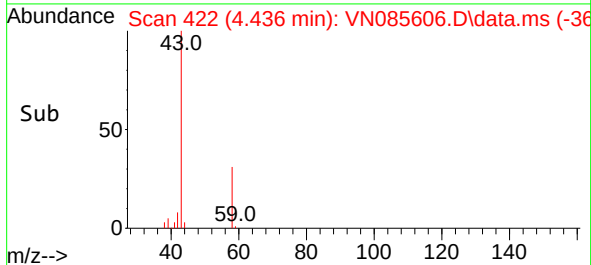
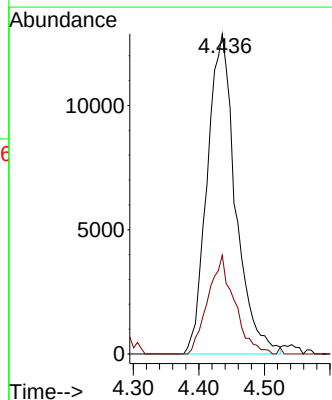
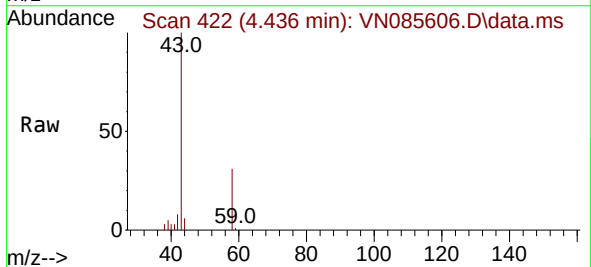
Instrument :
MSVOA_N
ClientSampleId :

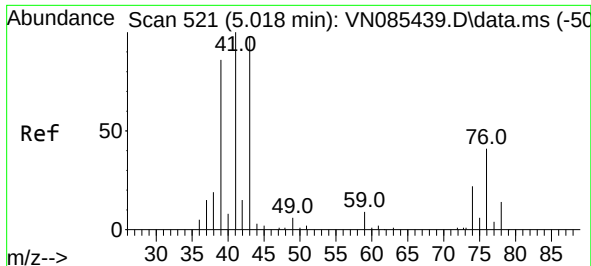
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 44.092 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

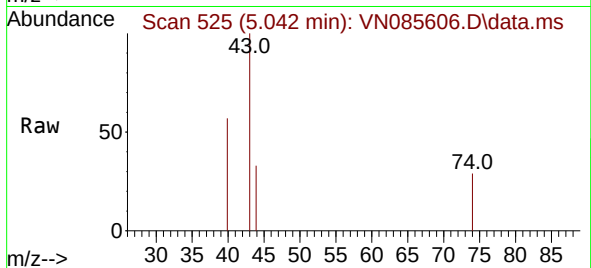
Tgt Ion: 43 Resp: 38748
Ion Ratio Lower Upper
43 100
58 30.9 23.8 35.6



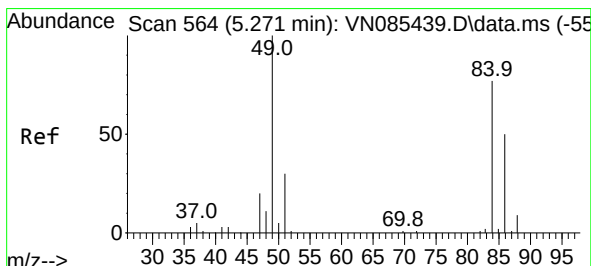
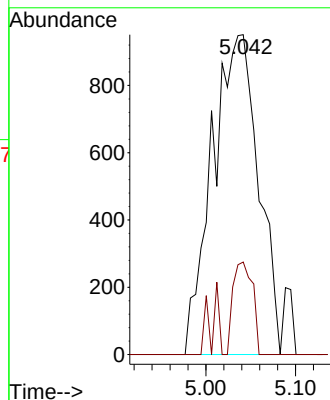
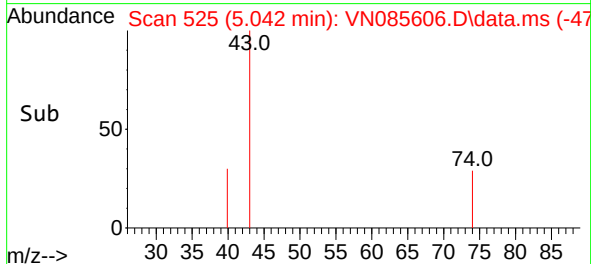


#18
Methyl Acetate
Concen: 1.276 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

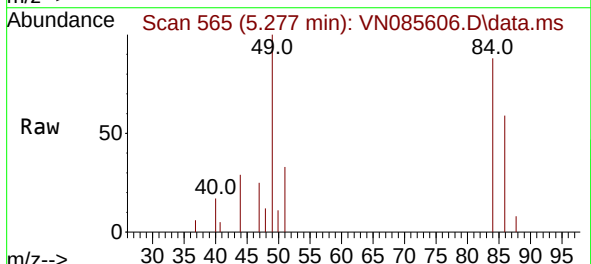
Instrument :
MSVOA_N
ClientSampleId :



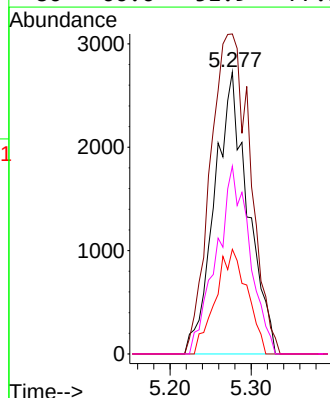
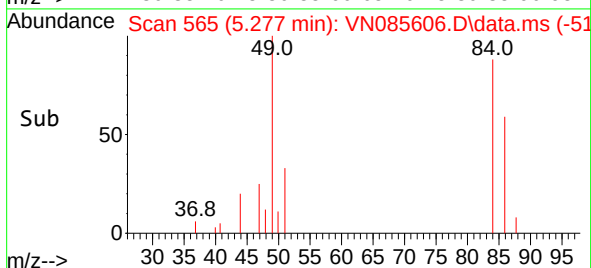
Tgt Ion: 43 Resp: 3411
Ion Ratio Lower Upper
43 100
74 12.2 18.6 28.0#

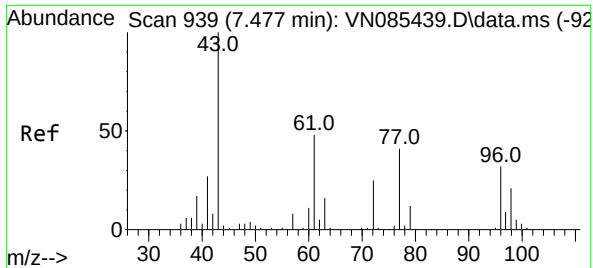


#20
Methylene Chloride
Concen: 3.569 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52



Tgt Ion: 84 Resp: 7764
Ion Ratio Lower Upper
84 100
49 113.5 104.1 156.1
51 37.1 31.0 46.4
86 66.6 51.9 77.9

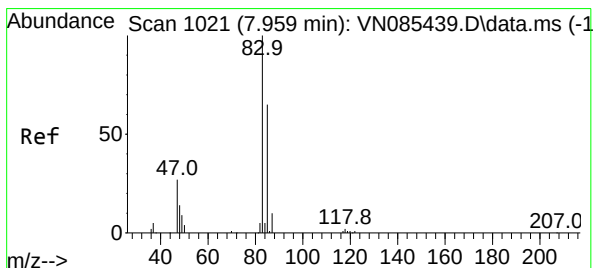
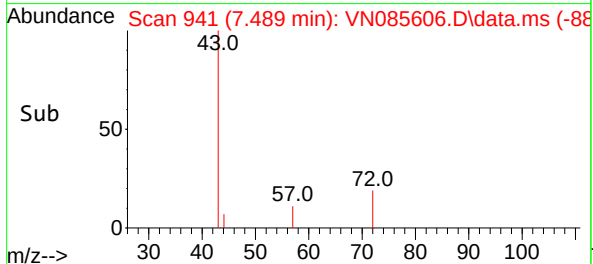
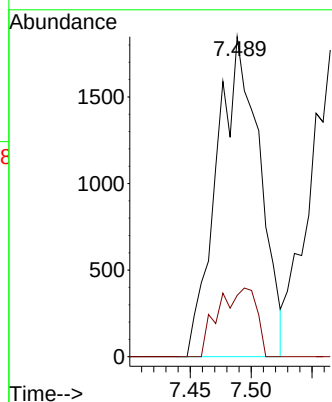
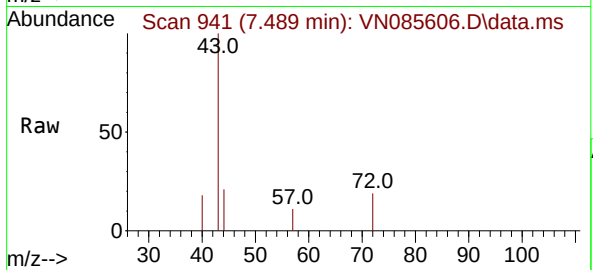




#25
2-Butanone
Concen: 3.506 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

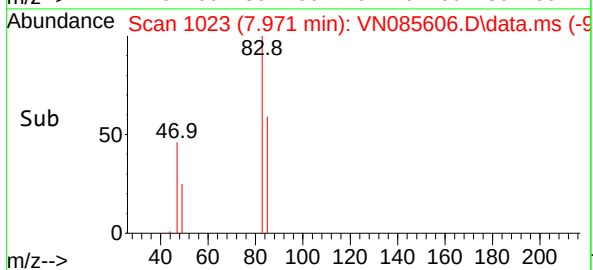
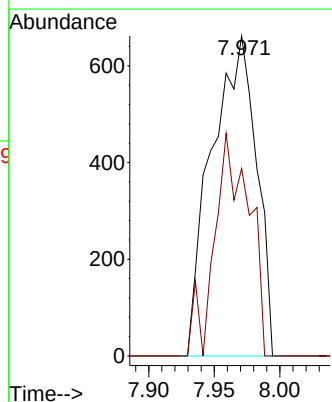
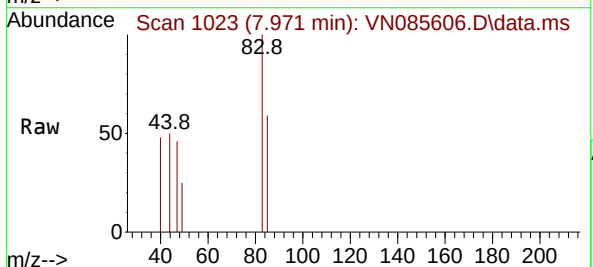
Instrument :
MSVOA_N
ClientSampleId :

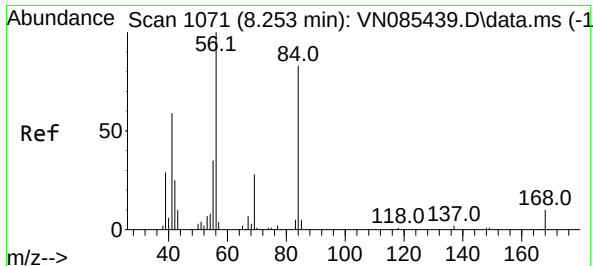
Tgt Ion: 43 Resp: 4534
Ion Ratio Lower Upper
43 100
72 19.2 20.2 30.4#



#30
Chloroform
Concen: 0.383 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

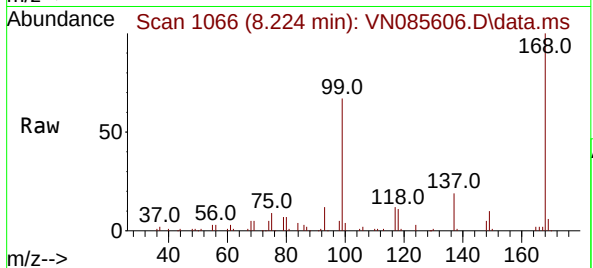
Tgt Ion: 83 Resp: 1572
Ion Ratio Lower Upper
83 100
85 58.6 51.8 77.6



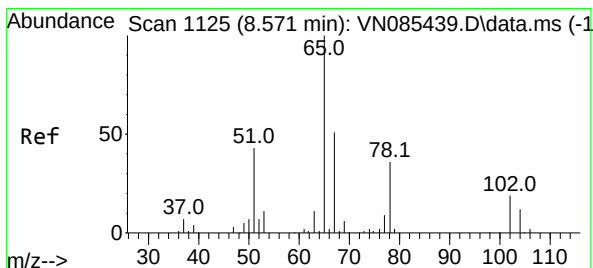
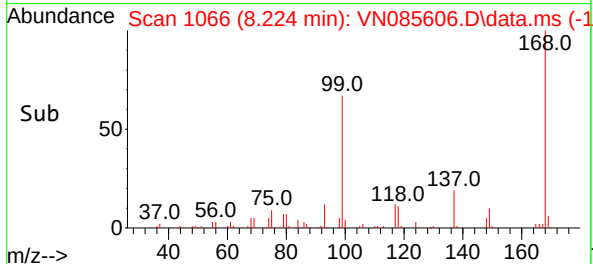
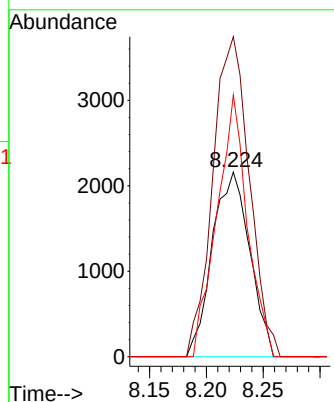


#31
Cyclohexane
Concen: 1.433 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

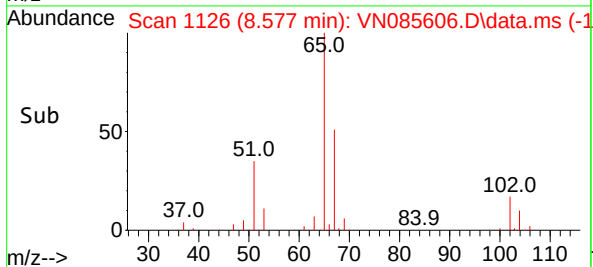
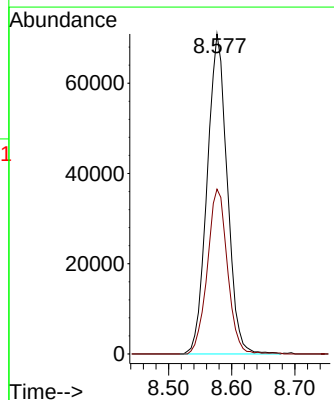
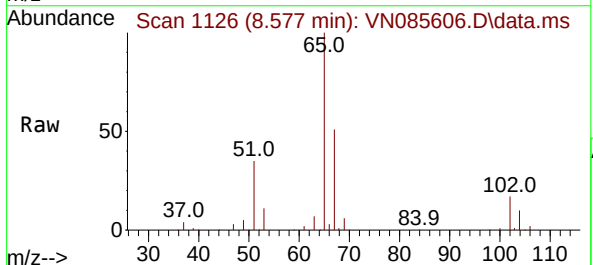


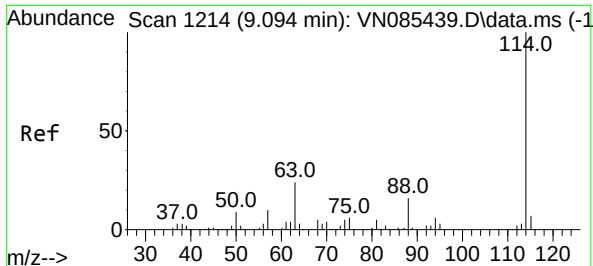
Tgt Ion: 56 Resp: 4946
Ion Ratio Lower Upper
56 100
69 173.2 22.2 33.4#
84 141.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.455 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 65 Resp: 156269
Ion Ratio Lower Upper
65 100
67 51.5 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: VN085606.D

Acq: 31 Jan 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

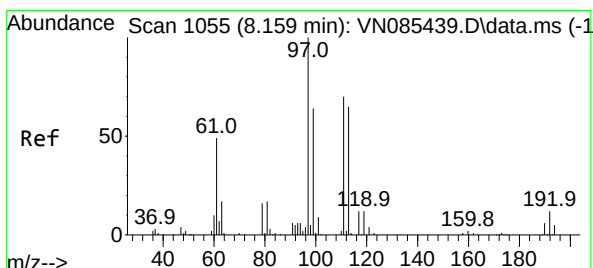
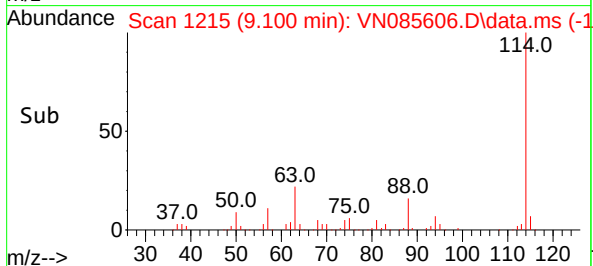
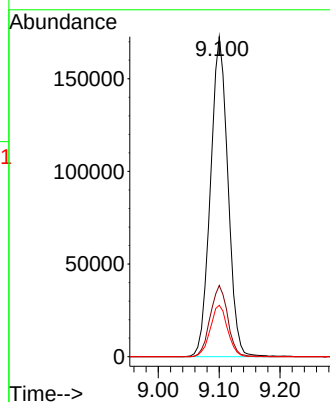
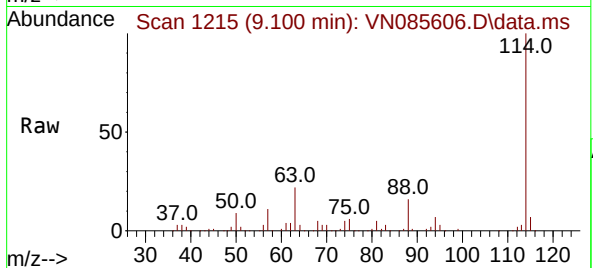
Tgt Ion:114 Resp: 343770

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.165 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085606.D

Acq: 31 Jan 2025 16:52

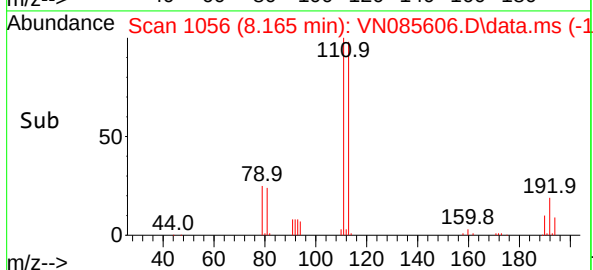
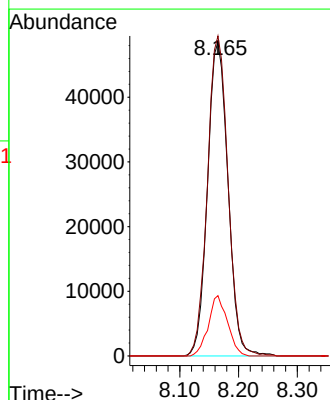
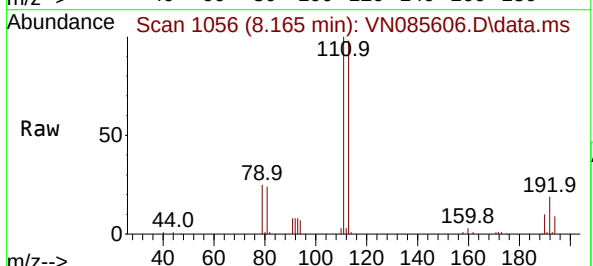
Tgt Ion:113 Resp: 117254

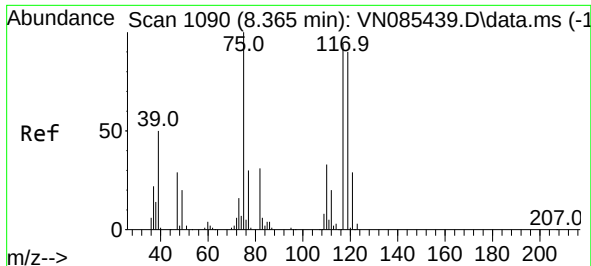
Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

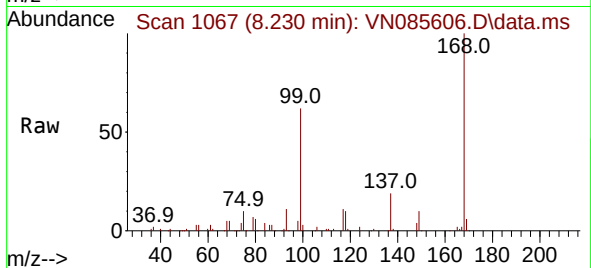
192 18.0 14.3 21.5



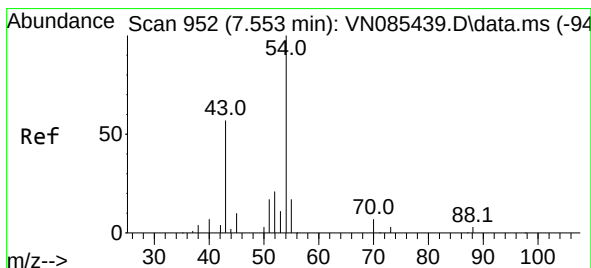
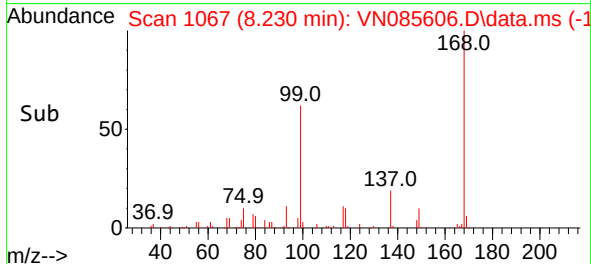
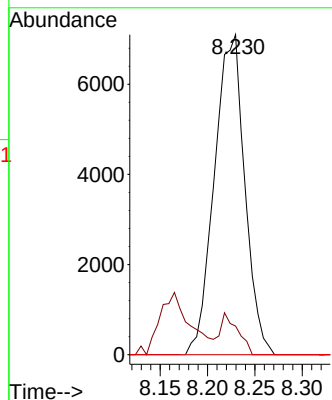


#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

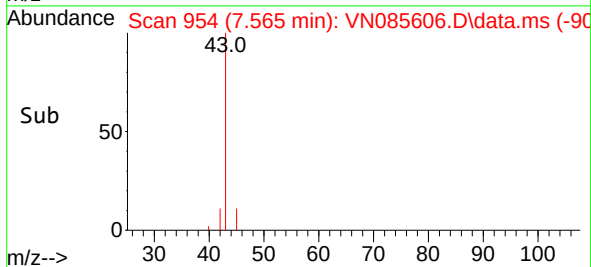
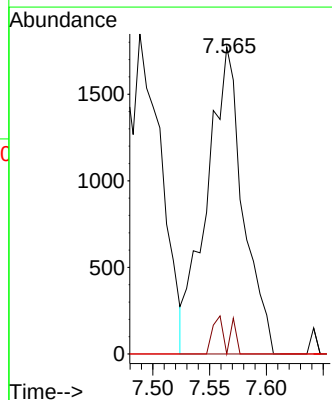
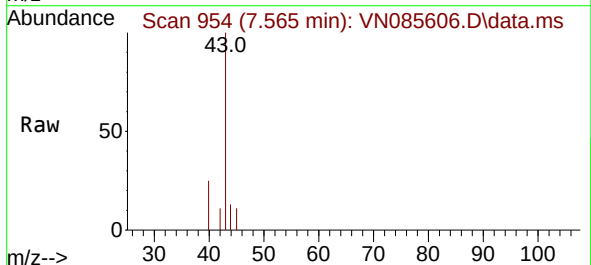


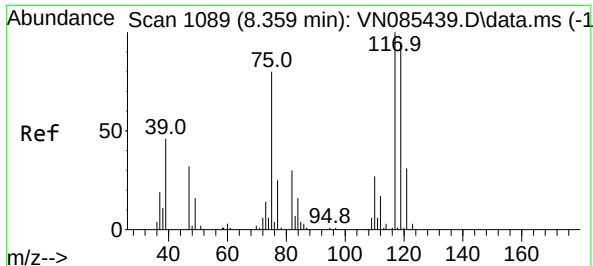
Tgt Ion: 75 Resp: 15867
Ion Ratio Lower Upper
75 100
110 7.5 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.165 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

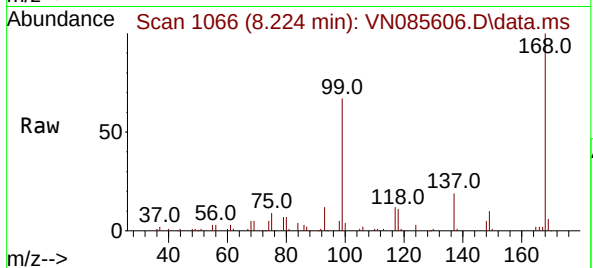
Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
61 5.3 10.9 16.3#
70 0.0 7.5 11.3#



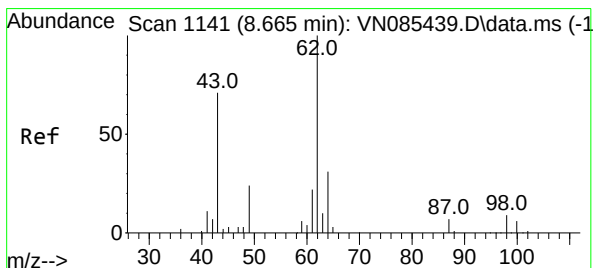
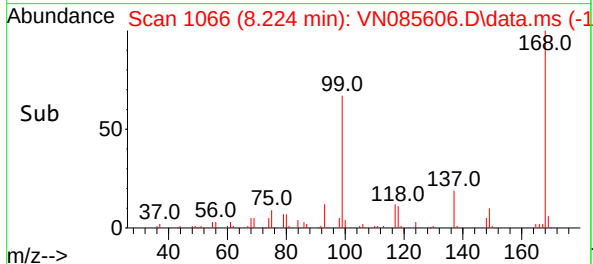
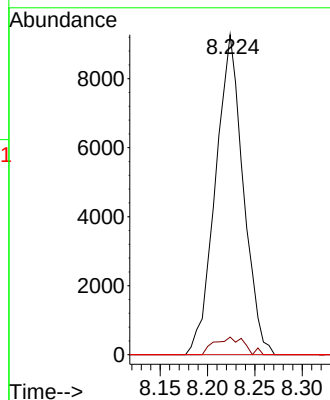


#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

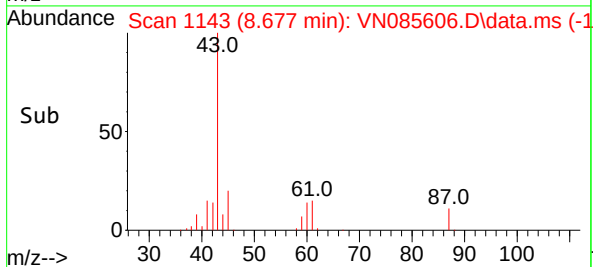
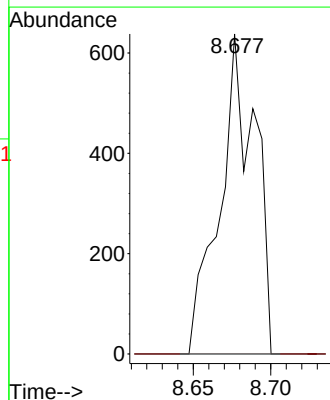
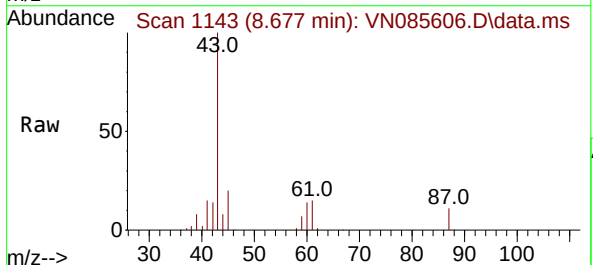


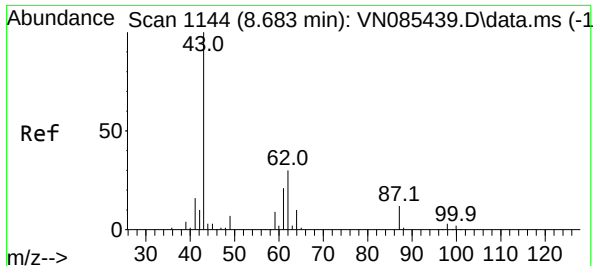
Tgt Ion:117 Resp: 18921
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.266 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

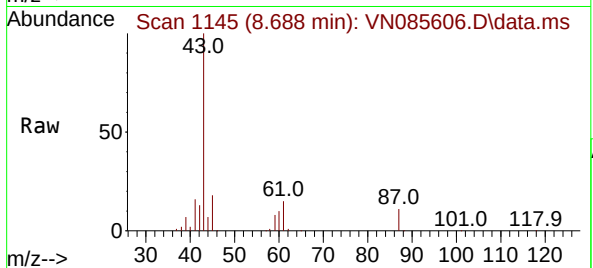
Tgt Ion: 62 Resp: 1009
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



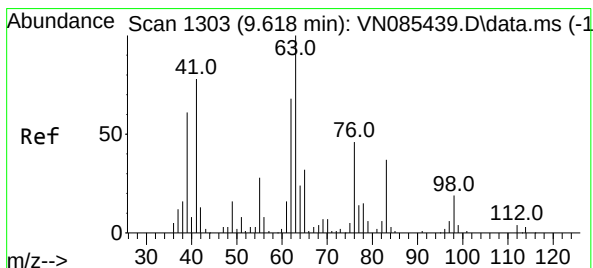
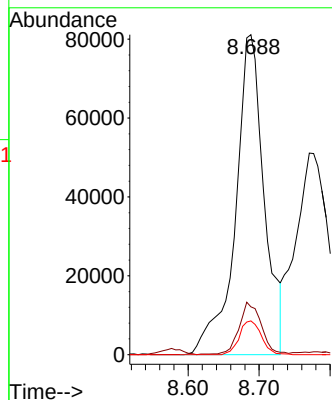
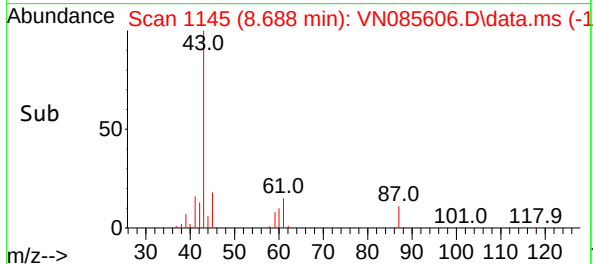


#43
Isopropyl Acetate
Concen: 42.200 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

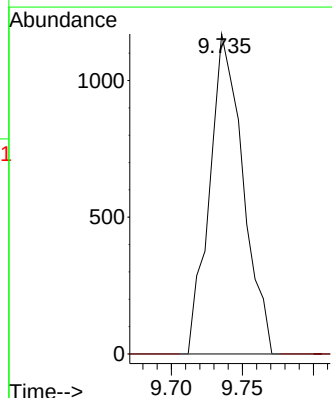
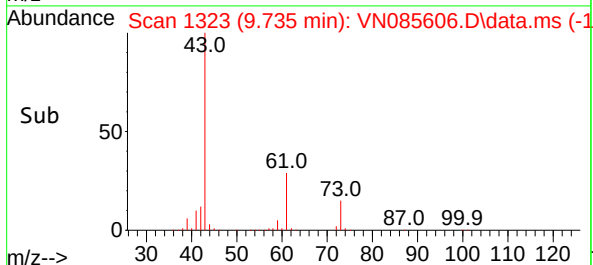
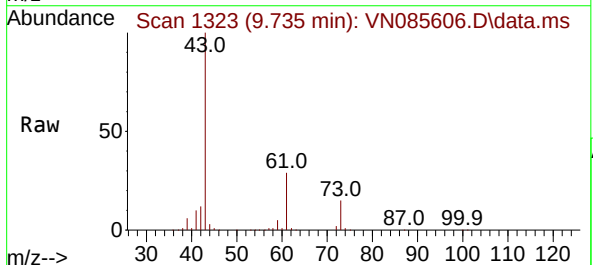


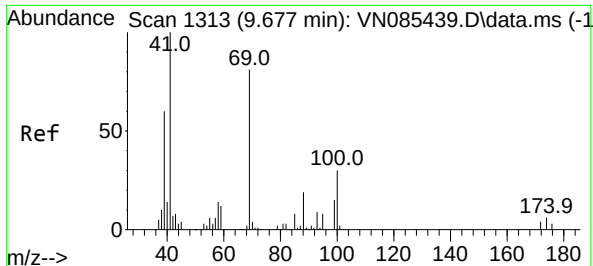
Tgt Ion: 43 Resp: 228449
Ion Ratio Lower Upper
43 100
61 12.8 20.7 31.1#
87 8.1 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.747 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

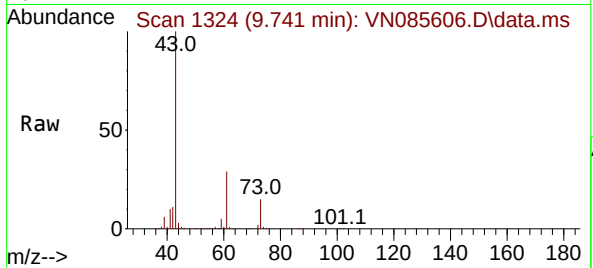
Tgt Ion: 63 Resp: 1918
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



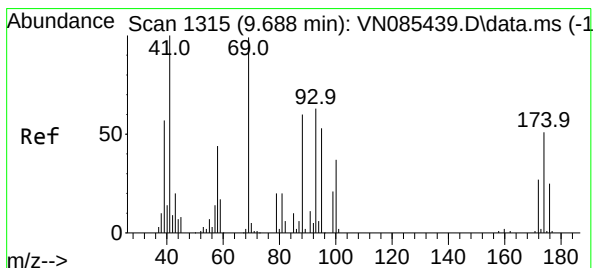
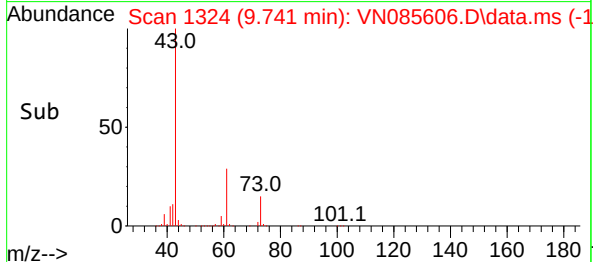
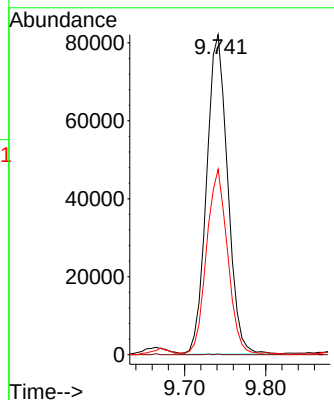


#48
Methyl methacrylate
Concen: 60.648 ug/l
RT: 9.741 min Scan# 1313
Delta R.T. 0.064 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

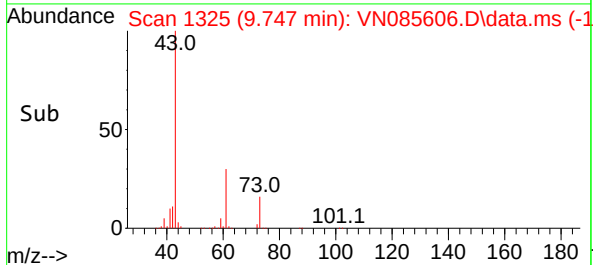
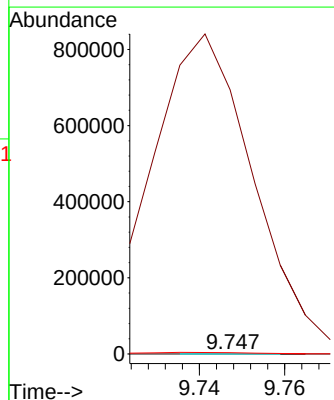
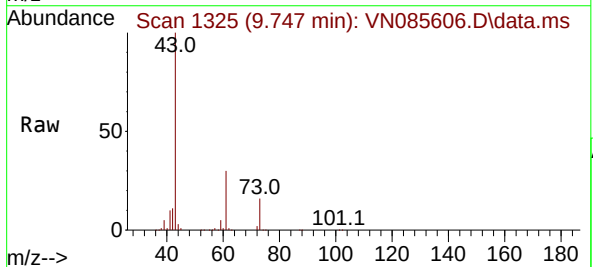


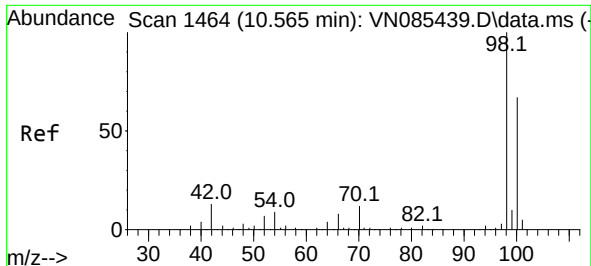
Tgt Ion: 41 Resp: 147752
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 58.6 49.0 73.6



#49
1,4-Dioxane
Concen: 1.731 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 2054370.4 26.6 39.8#
58 11483.1 59.5 89.3#

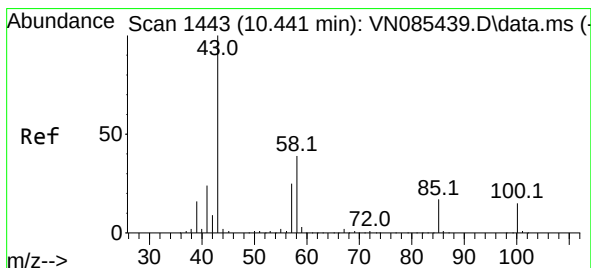
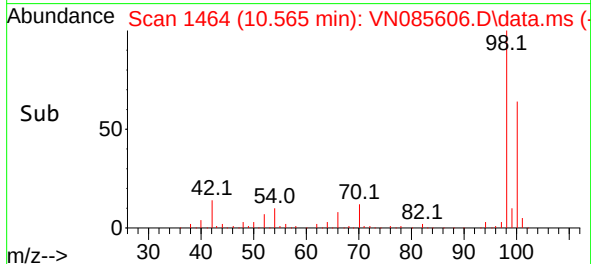
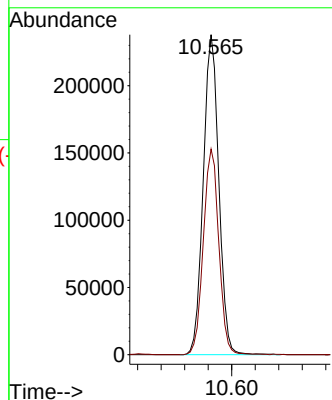
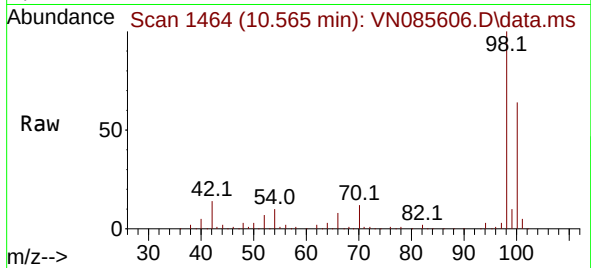




#50
Toluene-d8
Concen: 51.550 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

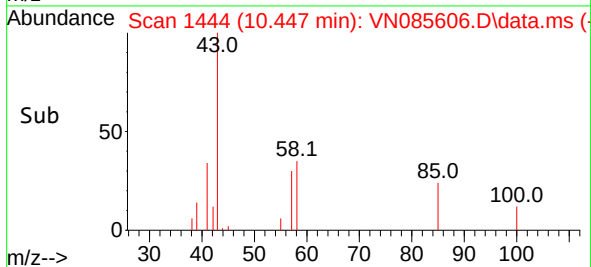
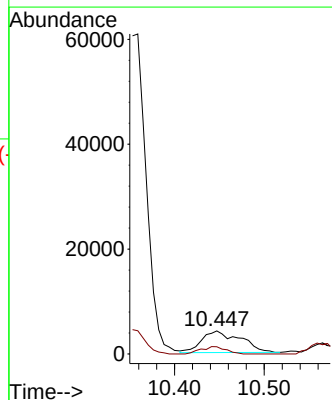
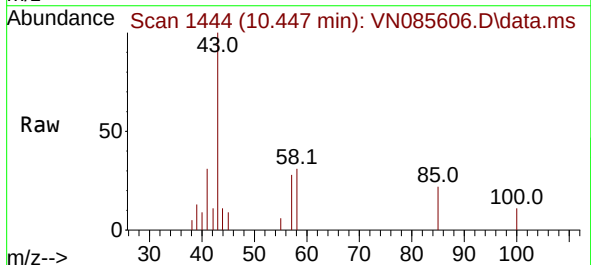
Instrument :
MSVOA_N
ClientSampleId :

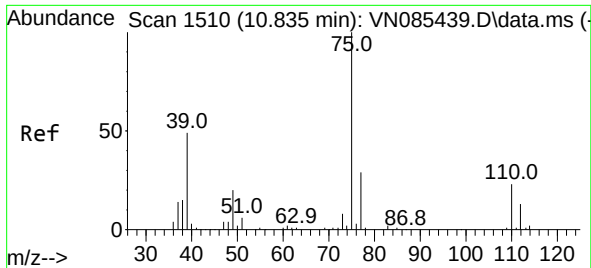
Tgt Ion: 98 Resp: 436816
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.946 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 43 Resp: 12396
Ion Ratio Lower Upper
43 100
58 21.9 30.5 45.7#

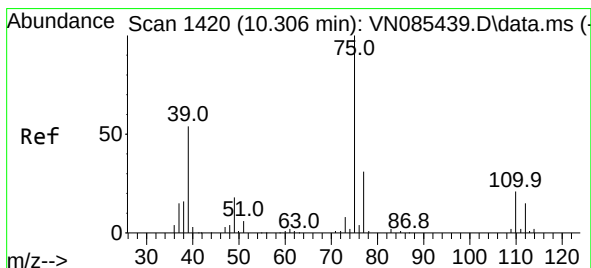
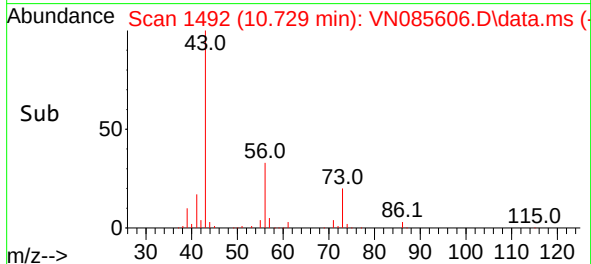
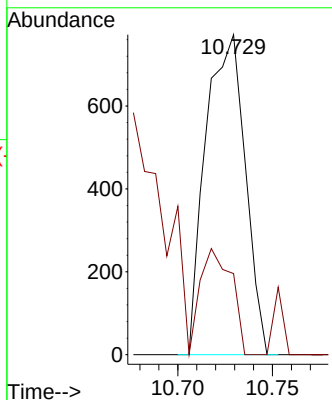
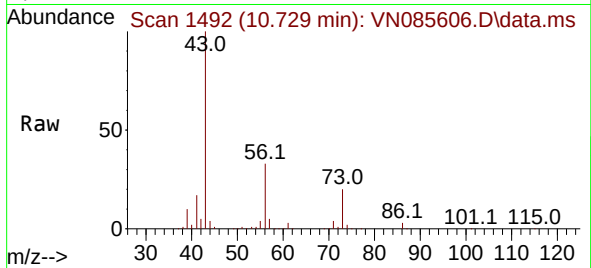




#53
 t-1,3-Dichloropropene
 Concen: 0.313 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN085606.D
 Acq: 31 Jan 2025 16:52

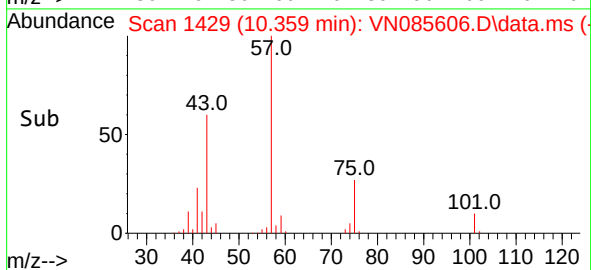
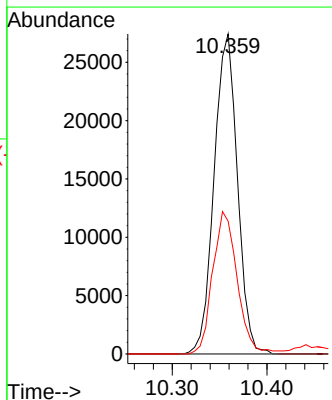
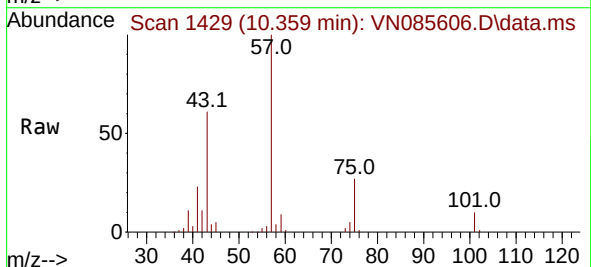
Instrument :
 MSVOA_N
 ClientSampleId :

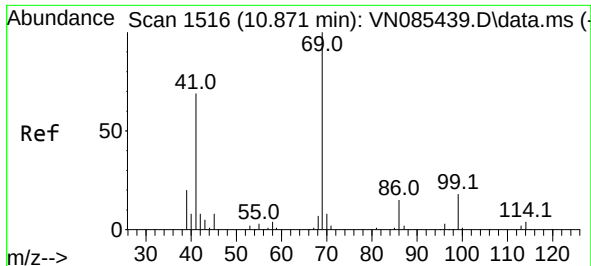
Tgt Ion: 75 Resp: 1118
 Ion Ratio Lower Upper
 75 100
 77 4.3 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.300 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085606.D
 Acq: 31 Jan 2025 16:52

Tgt Ion: 75 Resp: 46887
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 41.5 43.1 64.7#

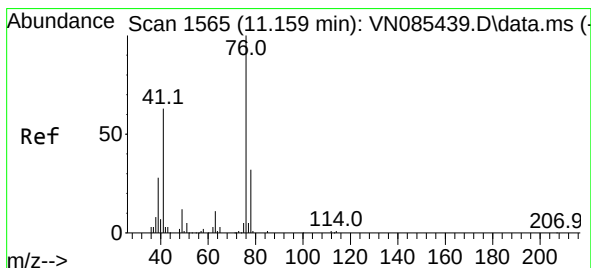
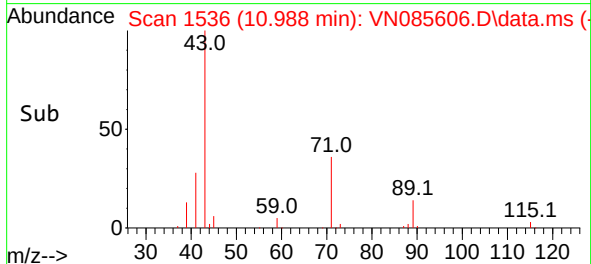
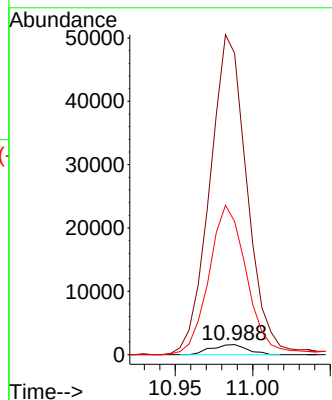
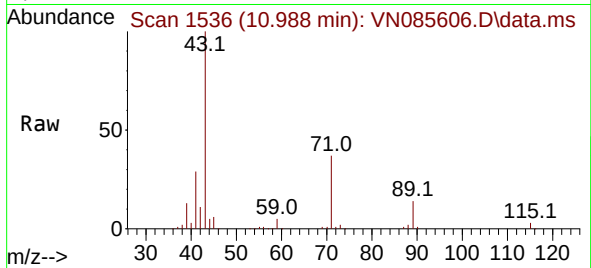




#56
Ethyl methacrylate
Concen: 2.572 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

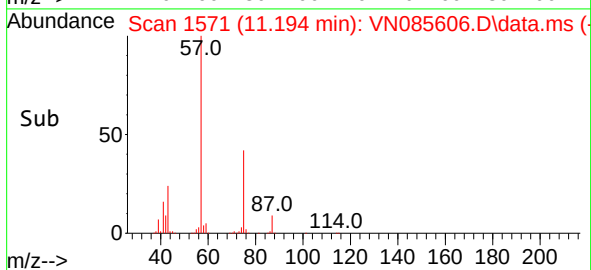
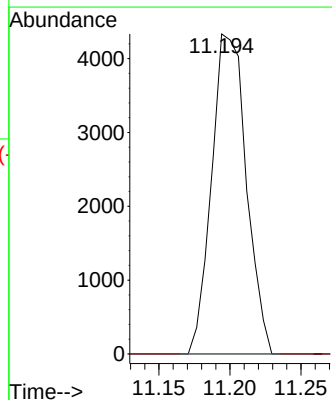
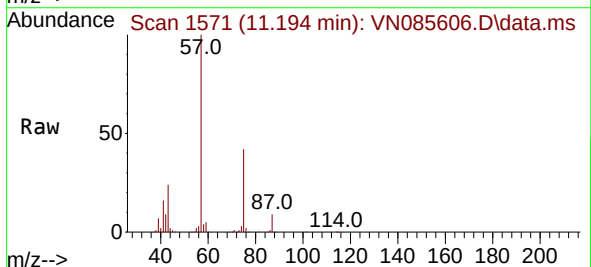
Instrument :
MSVOA_N
ClientSampleId :

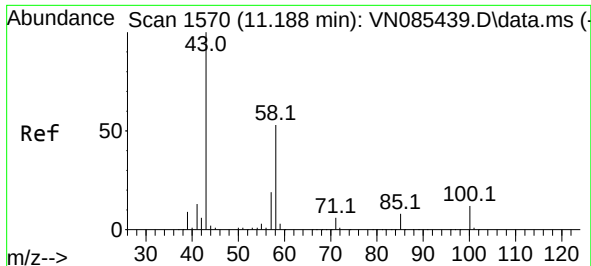
Tgt Ion: 69 Resp: 2588
Ion Ratio Lower Upper
69 100
41 3273.6 54.6 82.0#
39 1552.2 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.834 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 76 Resp: 7354
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

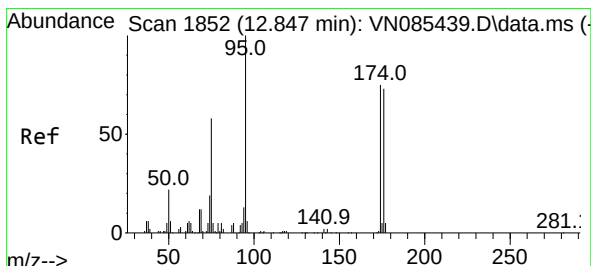
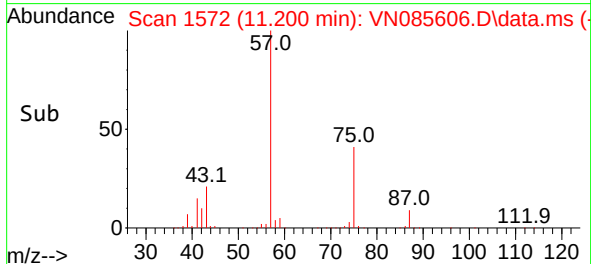
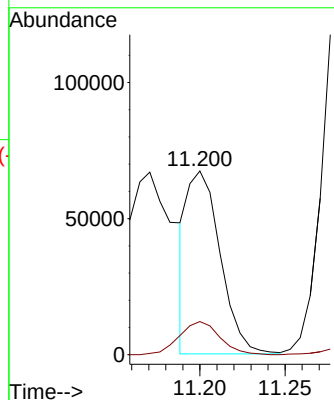
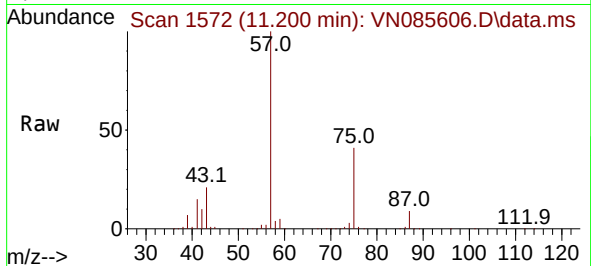




#59
2-Hexanone
Concen: 40.991 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

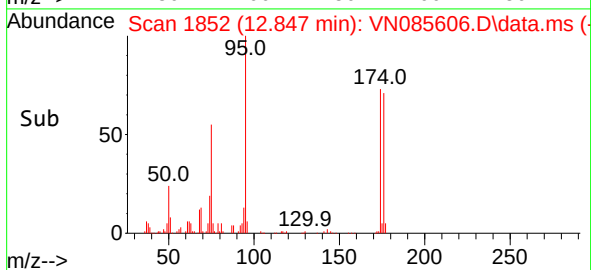
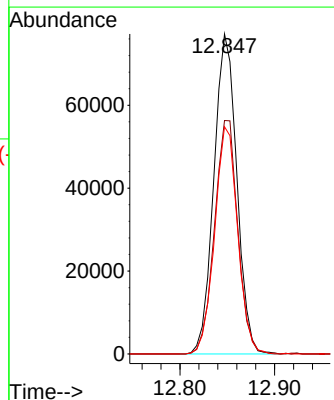
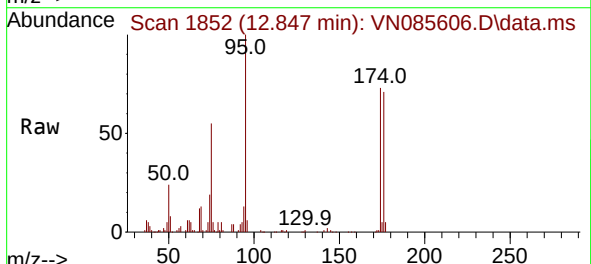
Instrument :
MSVOA_N
ClientSampleId :

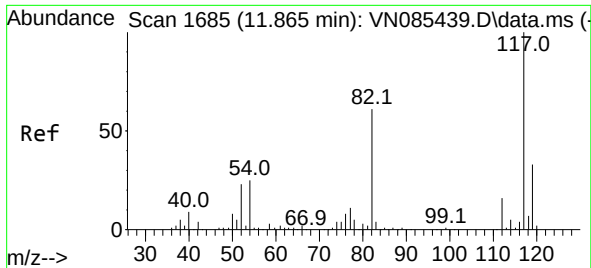
Tgt Ion: 43 Resp: 90607
Ion Ratio Lower Upper
43 100
58 22.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 95 Resp: 130030
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.0
176 71.3 0.0 142.4

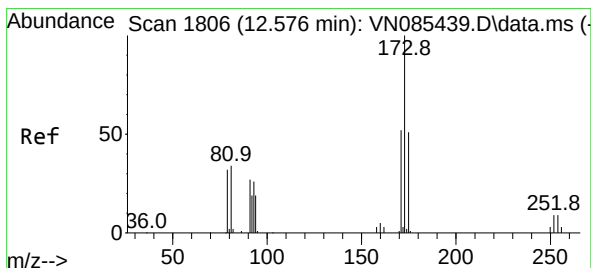
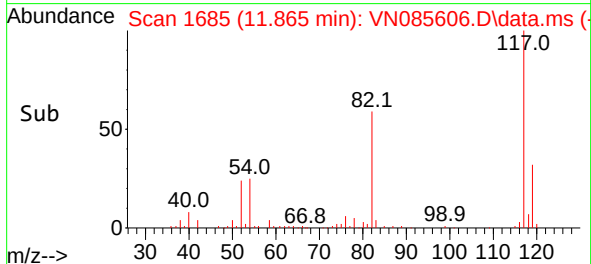
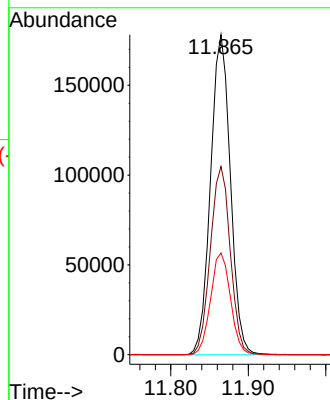
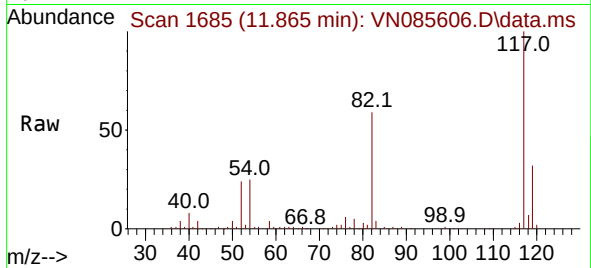




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

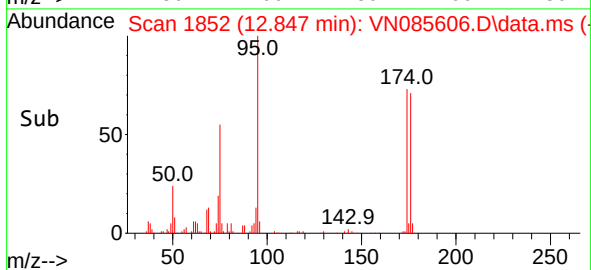
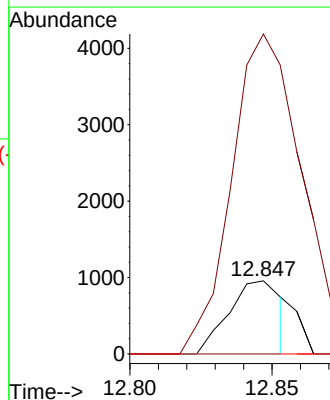
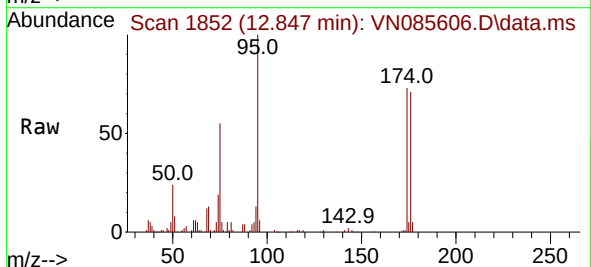
Instrument :
MSVOA_N
ClientSampleId :

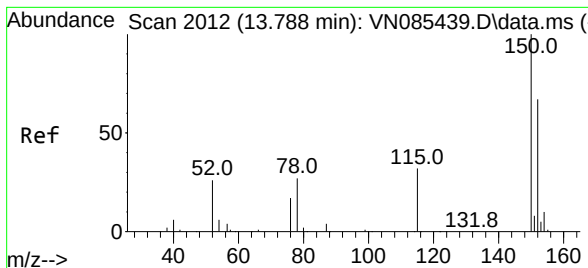
Tgt Ion:117 Resp: 316221
Ion Ratio Lower Upper
117 100
82 58.8 48.6 72.8
119 31.8 26.6 39.8



#71
Bromoform
Concen: 0.673 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion:173 Resp: 1224
Ion Ratio Lower Upper
173 100
175 434.0 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# 20

Delta R.T. 0.006 min

Lab File: VN085606.D

Acq: 31 Jan 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

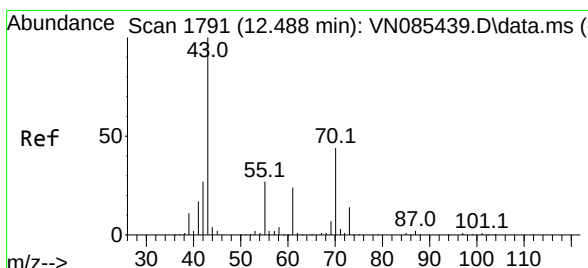
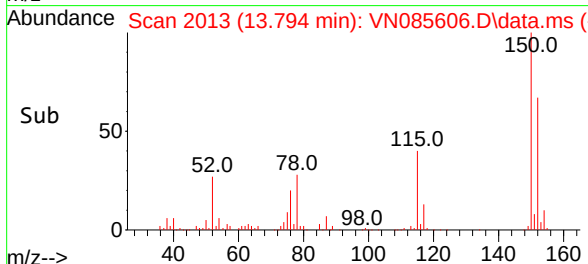
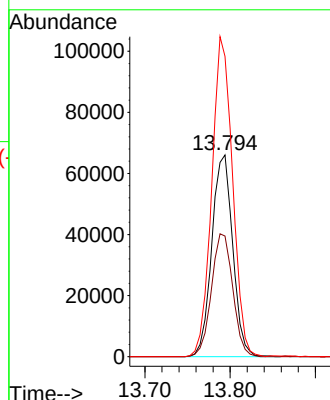
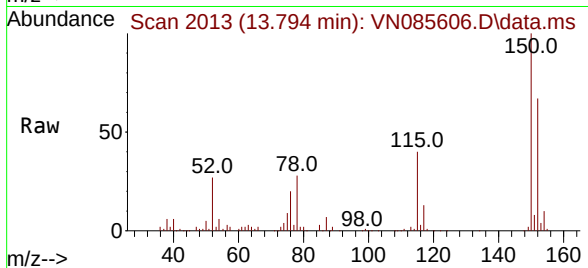
Tgt Ion:152 Resp: 112694

Ion Ratio Lower Upper

152 100

115 62.0 31.1 93.3

150 157.4 0.0 343.6



#74

N-ethyl acetate

Concen: 0.408 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VN085606.D

Acq: 31 Jan 2025 16:52

Tgt Ion: 43 Resp: 1395

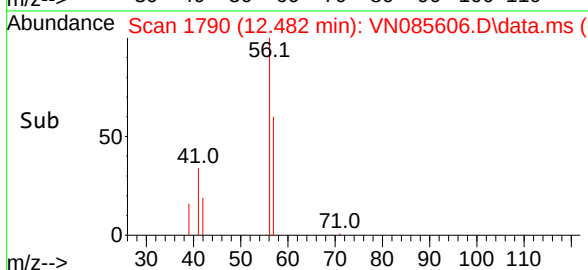
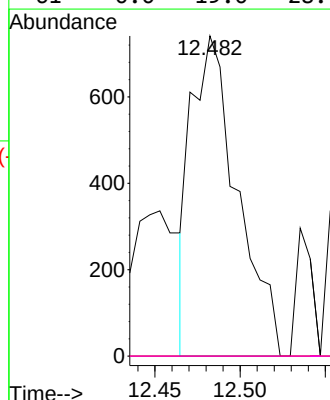
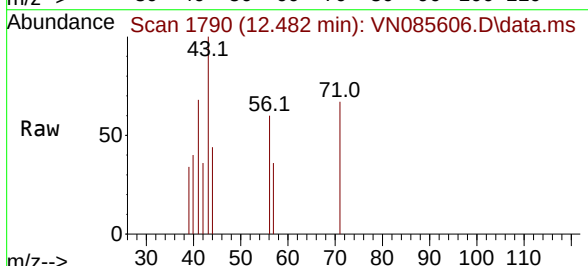
Ion Ratio Lower Upper

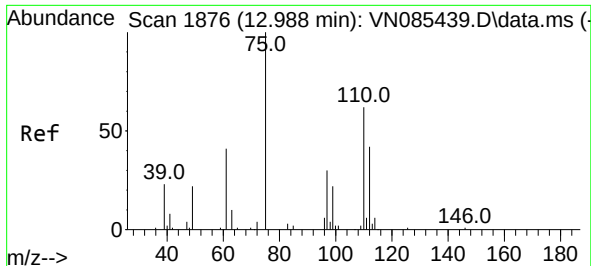
43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#

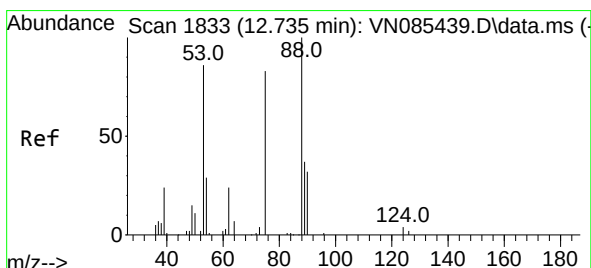
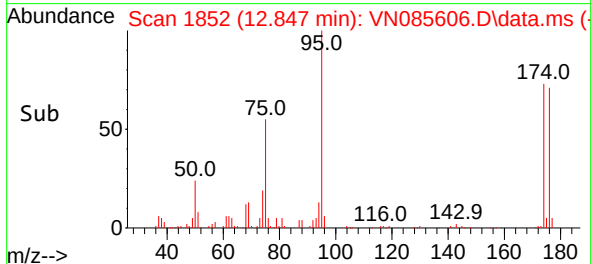
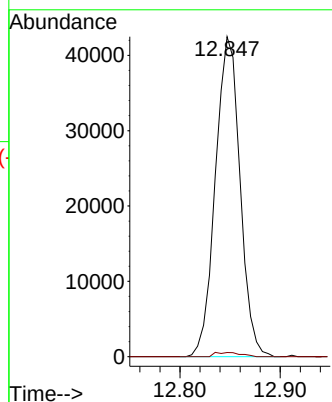
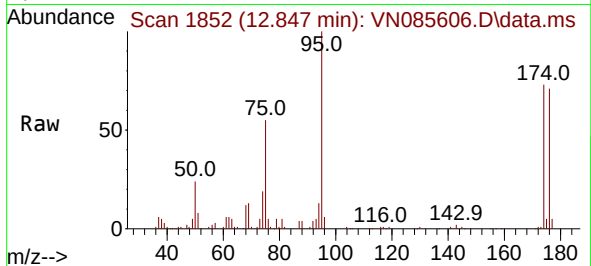




#76
1,2,3-Trichloropropane
Concen: 31.643 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 72479
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085606.D
Acq: 31 Jan 2025 16:52

Tgt Ion: 75 Resp: 72479
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

