

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085557.D
 Acq On : 29 Jan 2025 15:04
 Operator : JC\MD
 Sample : Q1207-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:36:15 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)

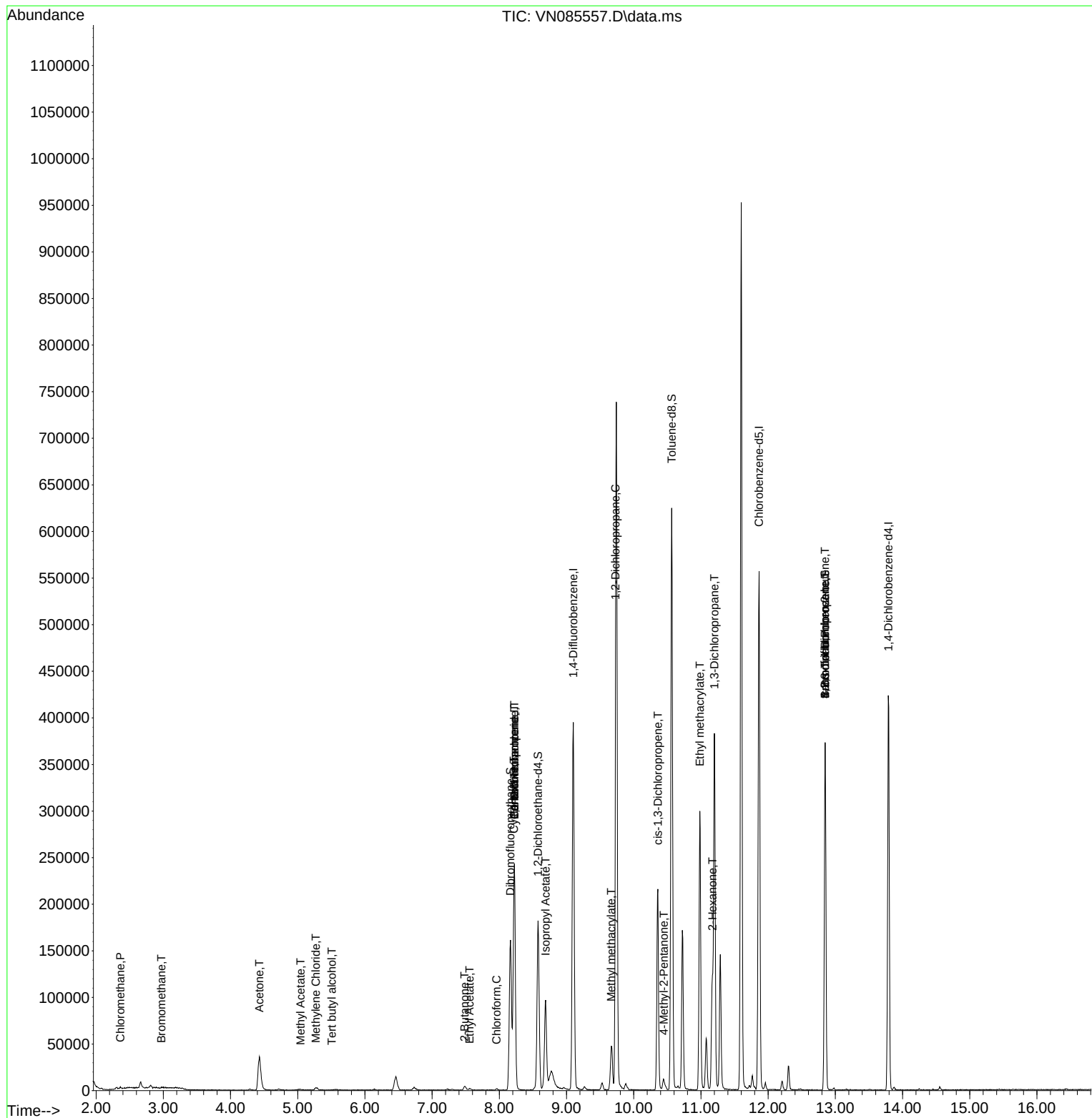
Internal Standards						
1) Pentafluorobenzene	8.224	168	163592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151357	57.317	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.640%		
35) Dibromofluoromethane	8.165	113	112222	50.969	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.940%		
50) Toluene-d8	10.565	98	410833	52.517	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.040%		
62) 4-Bromofluorobenzene	12.847	95	119370	44.608	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 89.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	495	0.206	ug/l #	61
5) Bromomethane	2.971	94	375	0.258	ug/l #	74
11) Tert butyl alcohol	5.506	59	67	0.222	ug/l #	71
16) Acetone	4.430	43	68391	80.155	ug/l	98
18) Methyl Acetate	5.042	43	2494	0.961	ug/l #	58
20) Methylene Chloride	5.271	84	1785	0.845	ug/l #	90
25) 2-Butanone	7.483	43	7005	5.579	ug/l	96
30) Chloroform	7.959	83	1395	0.350	ug/l	90
31) Cyclohexane	8.218	56	4792	1.430	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	14907	4.824	ug/l #	51
37) Ethyl Acetate	7.559	43	2895	0.928	ug/l #	79
38) Carbon Tetrachloride	8.224	117	18074	5.109	ug/l #	17
43) Isopropyl Acetate	8.689	43	107795	21.568	ug/l #	87
45) 1,2-Dichloropropane	9.730	63	850	0.358	ug/l #	43
48) Methyl methacrylate	9.665	41	3671	1.632	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	11960	4.124	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	34103	9.690	ug/l #	75
56) Ethyl methacrylate	10.983	69	1825	2.420	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3656	0.988	ug/l #	43
59) 2-Hexanone	11.171	43	97298	47.680	ug/l #	26
71) Bromoform	12.847	173	973	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68105	30.817	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68105	83.378	ug/l #	3

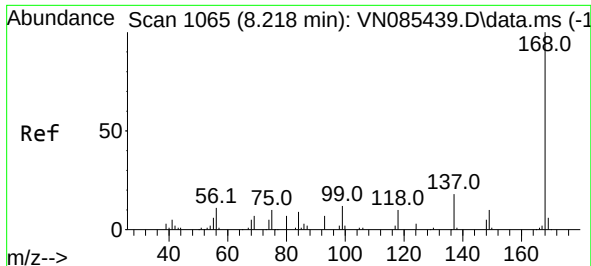
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

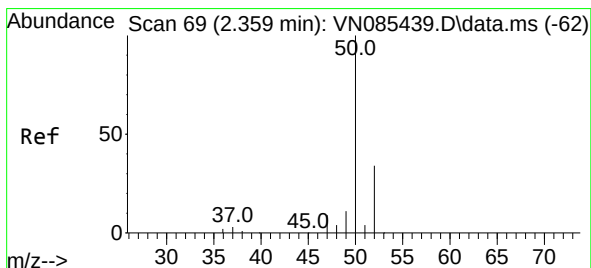
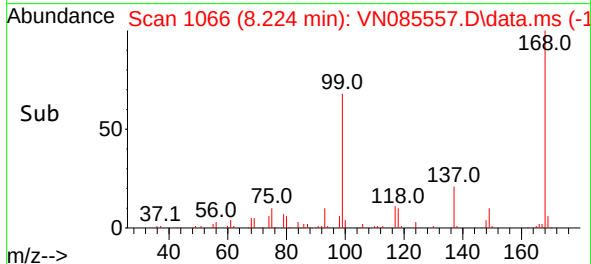
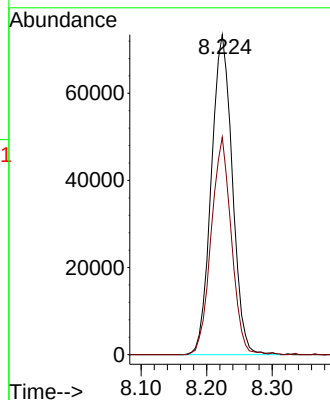
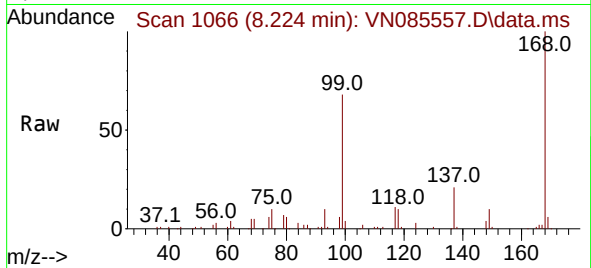




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

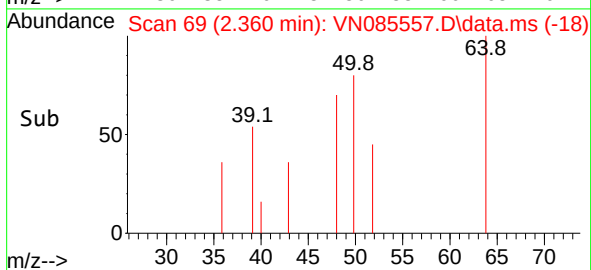
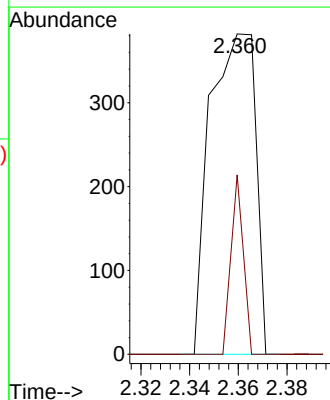
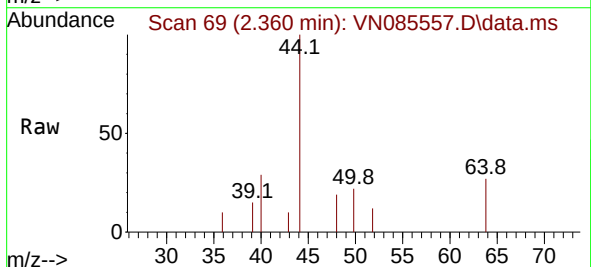
Instrument :
MSVOA_N
ClientSampleId :

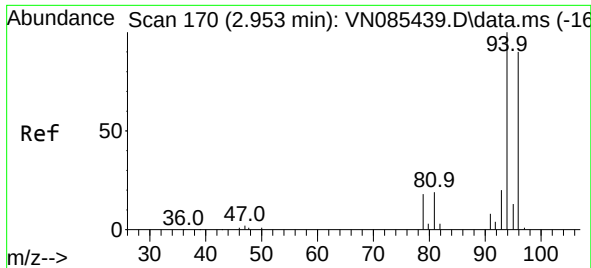
Tgt Ion:168 Resp: 163592
Ion Ratio Lower Upper
168 100
99 68.0 53.6 80.4



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

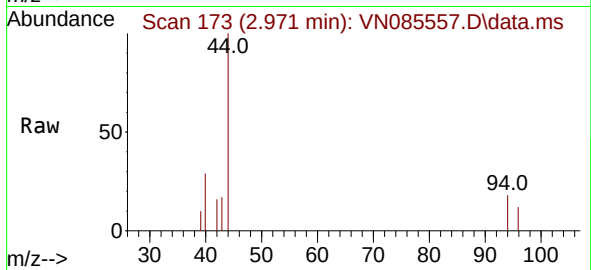
Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 56.0 27.0 40.6#



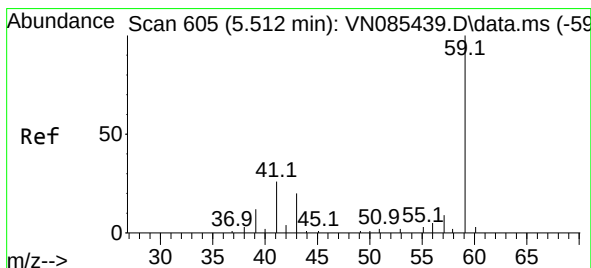
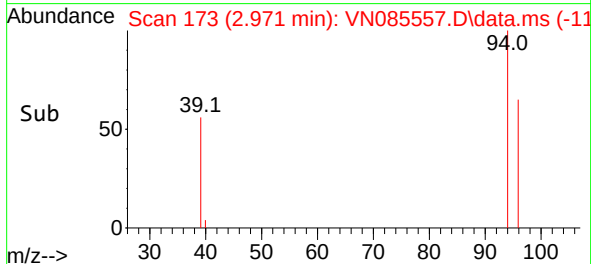
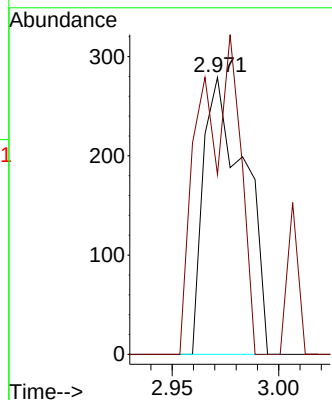


#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

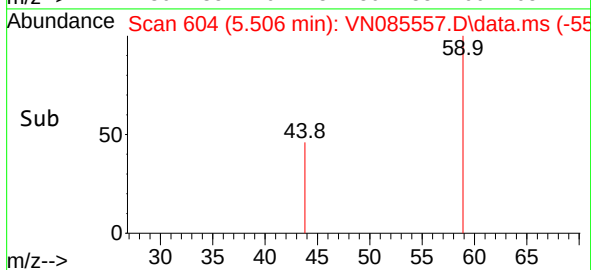
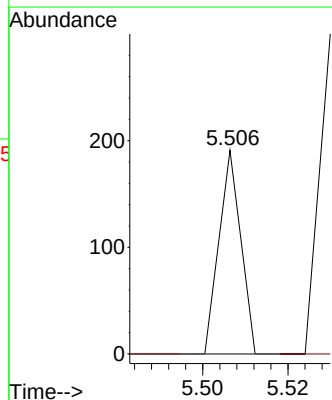
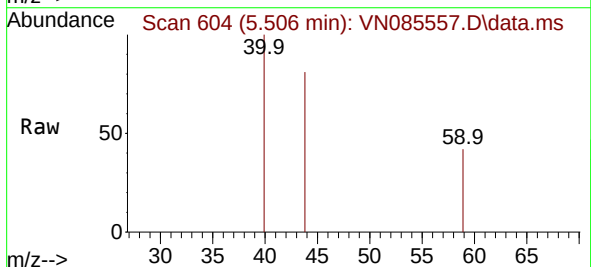


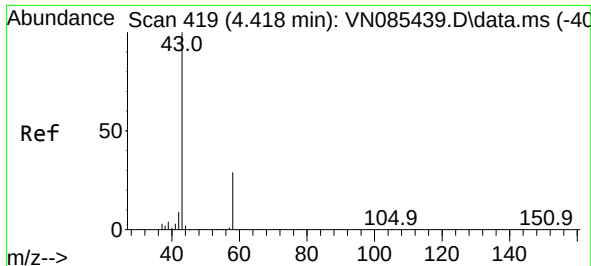
Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 64.9 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

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

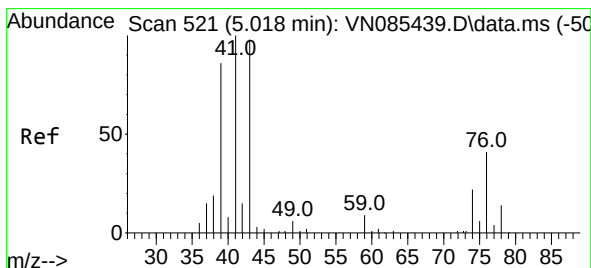
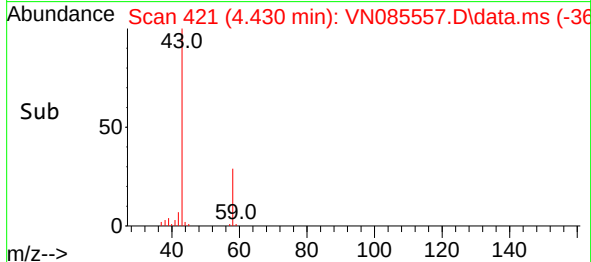
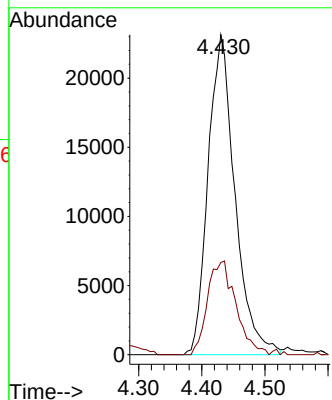
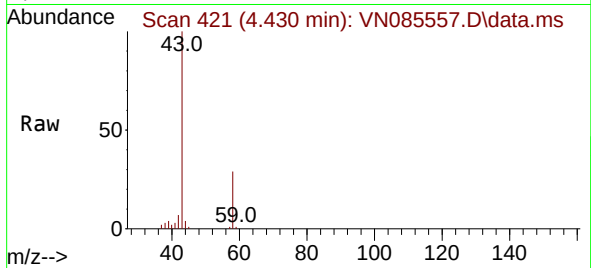




#16
Acetone
Concen: 80.155 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

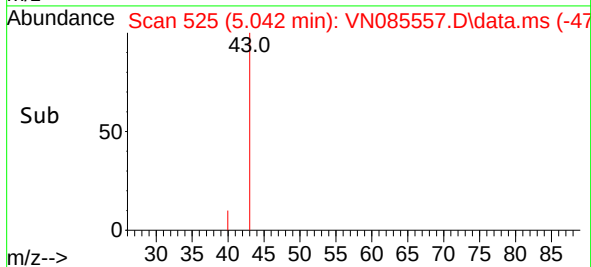
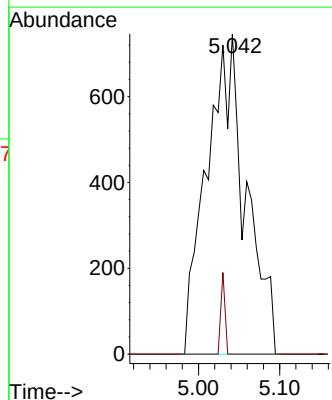
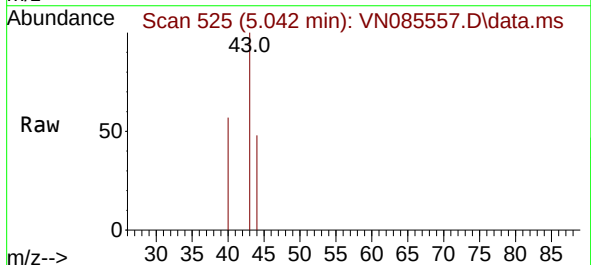
Instrument :
MSVOA_N
ClientSampleId :

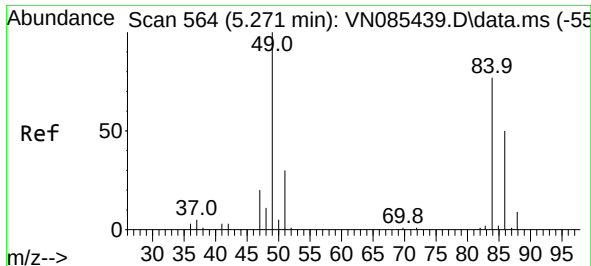
Tgt Ion: 43 Resp: 68391
Ion Ratio Lower Upper
43 100
58 28.8 23.8 35.6



#18
Methyl Acetate
Concen: 0.961 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.024 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

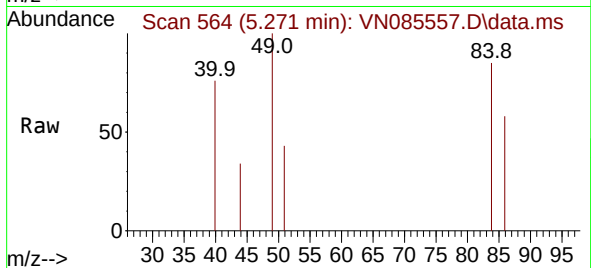
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
74 2.7 18.6 28.0#



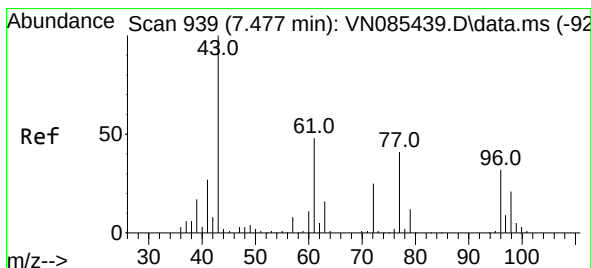
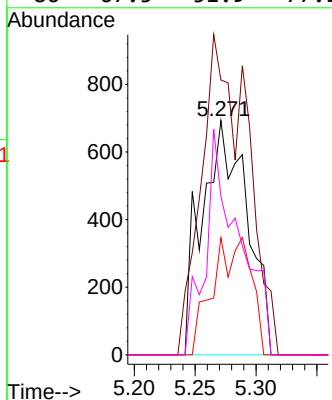


#20
Methylene Chloride
Concen: 0.845 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

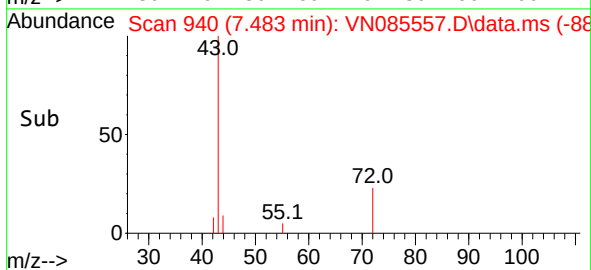
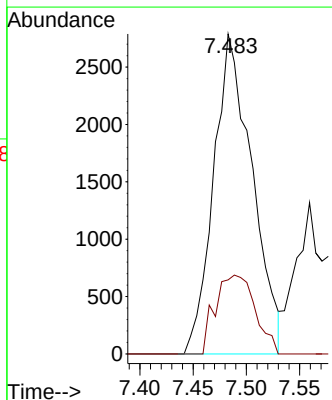
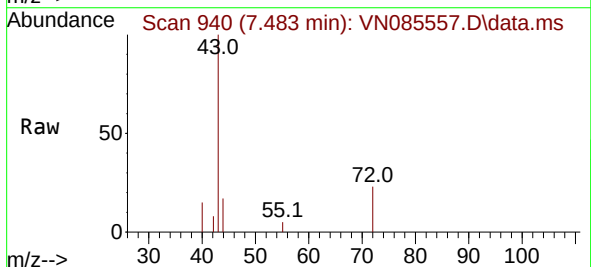


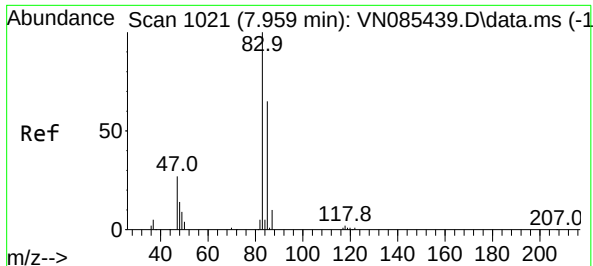
Tgt Ion:	84	Resp:	1785
Ion	Ratio	Lower	Upper
84	100		
49	117.3	104.1	156.1
51	49.9	31.0	46.4#
86	67.5	51.9	77.9



#25
2-Butanone
Concen: 5.579 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Tgt Ion:	43	Resp:	7005
Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.2	30.4





#30

Chloroform

Concen: 0.350 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

Instrument :

MSVOA_N

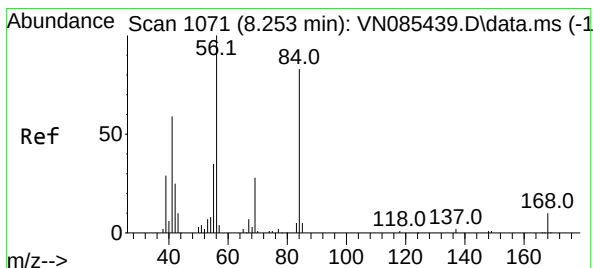
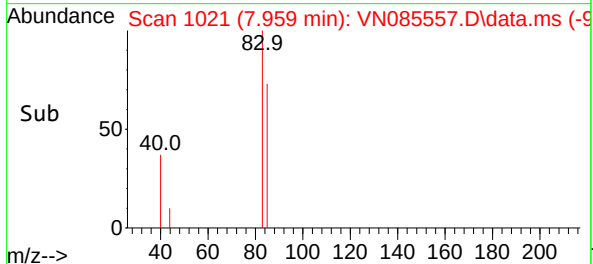
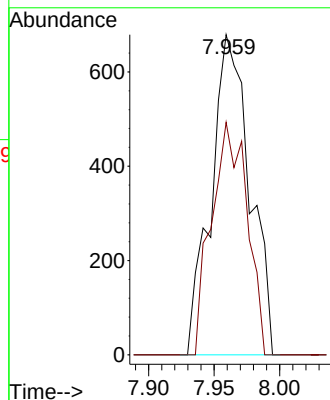
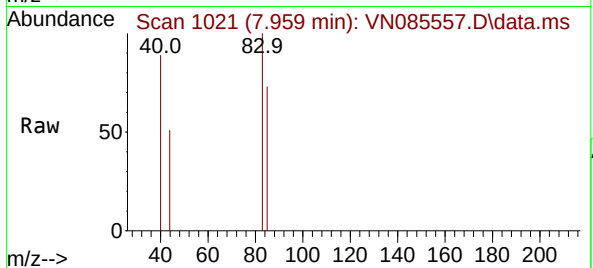
ClientSampleId :

Tgt Ion: 83 Resp: 1395

Ion Ratio Lower Upper

83 100

85 72.6 51.8 77.6



#31

Cyclohexane

Concen: 1.430 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

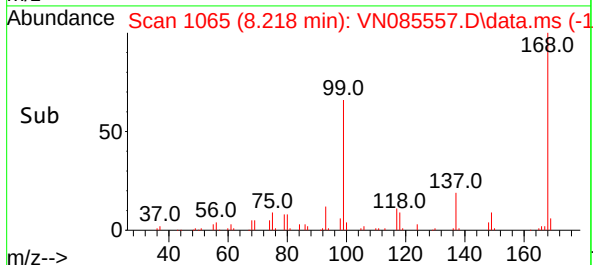
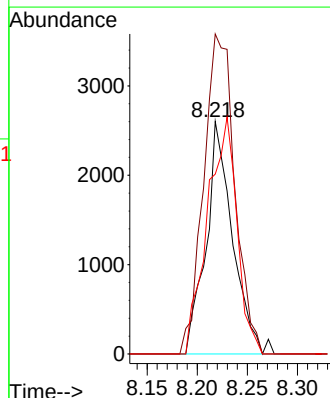
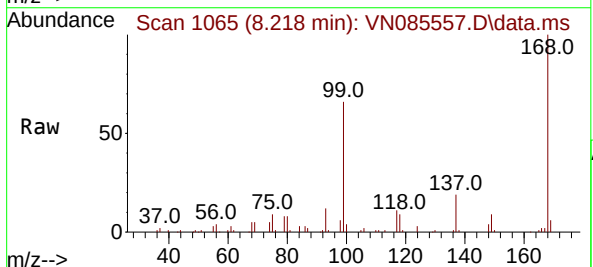
Tgt Ion: 56 Resp: 4792

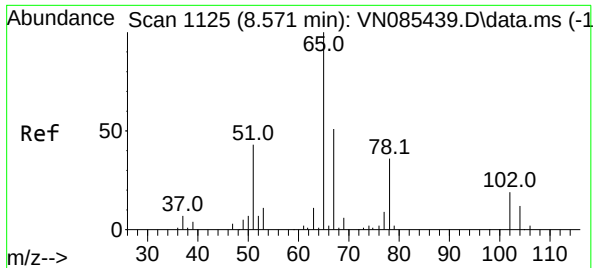
Ion Ratio Lower Upper

56 100

69 137.7 22.2 33.4#

84 77.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 57.317 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

Instrument :

MSVOA_N

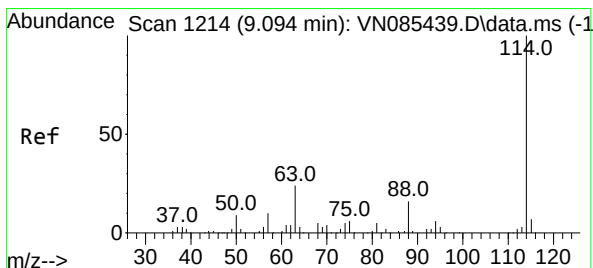
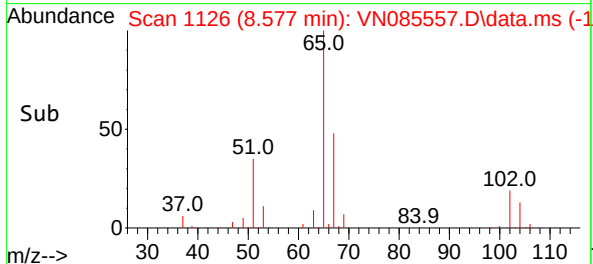
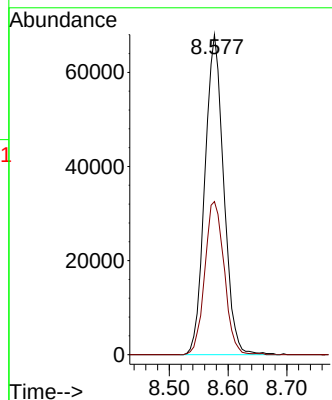
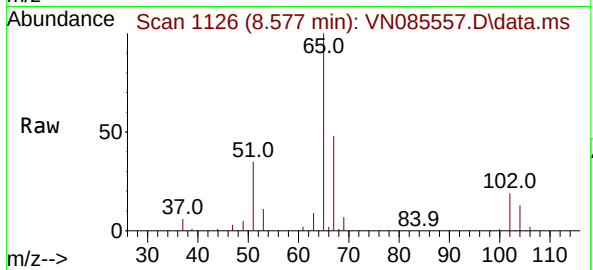
ClientSampleId :

Tgt Ion: 65 Resp: 151357

Ion Ratio Lower Upper

65 100

67 49.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

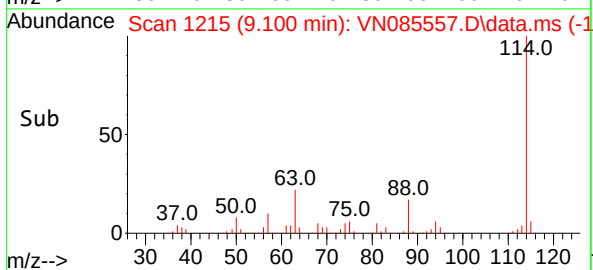
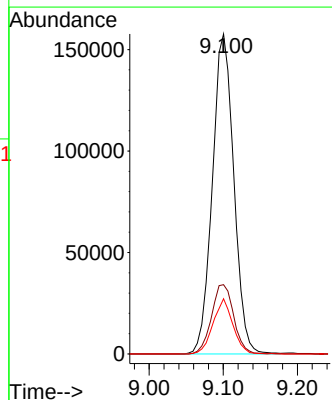
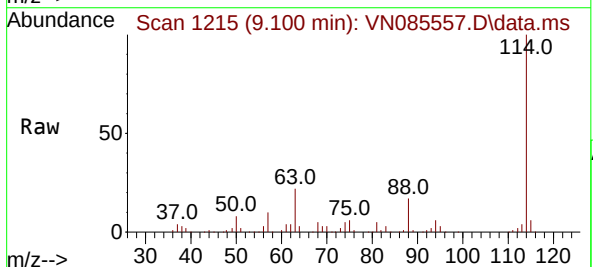
Tgt Ion: 114 Resp: 317371

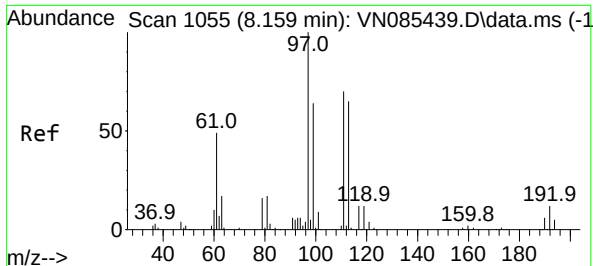
Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.6

88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.969 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

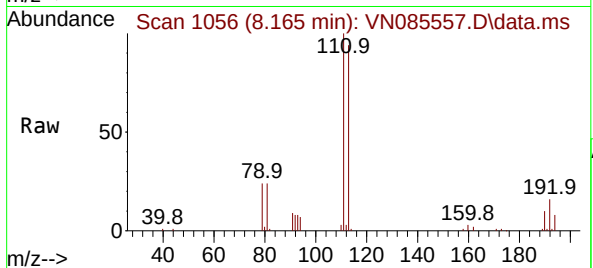
Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :



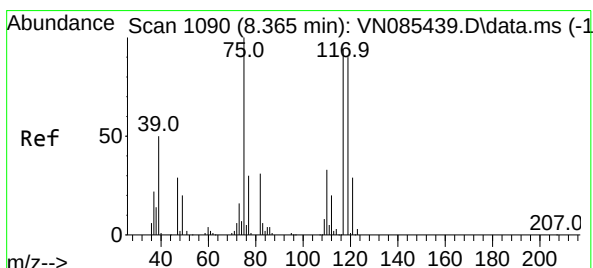
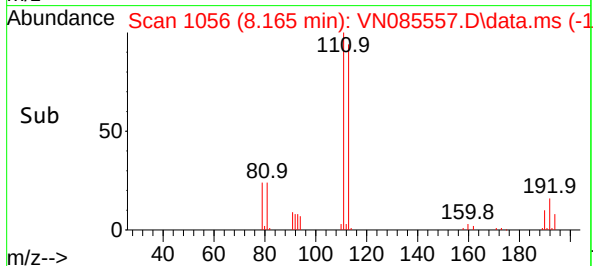
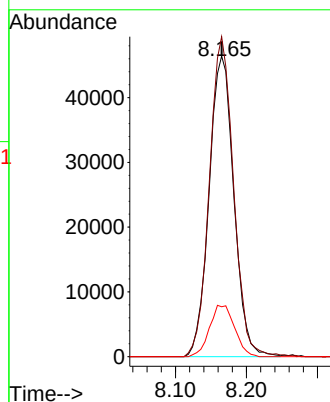
Tgt Ion:113 Resp: 112222

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 17.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

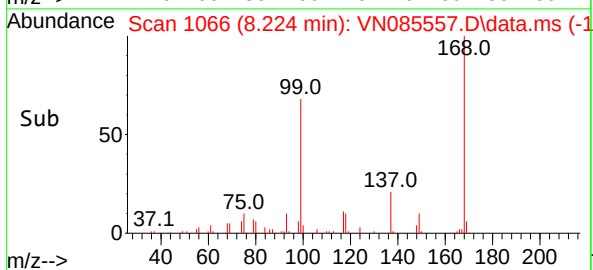
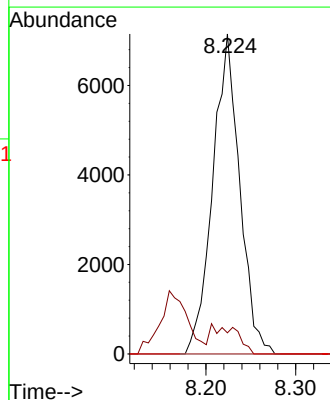
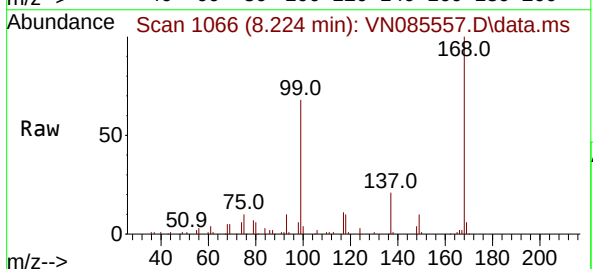
Tgt Ion: 75 Resp: 14907

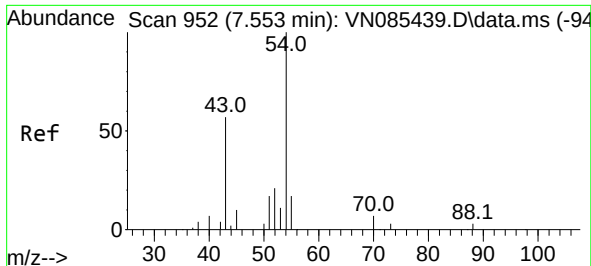
Ion Ratio Lower Upper

75 100

110 8.7 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.928 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085557.D

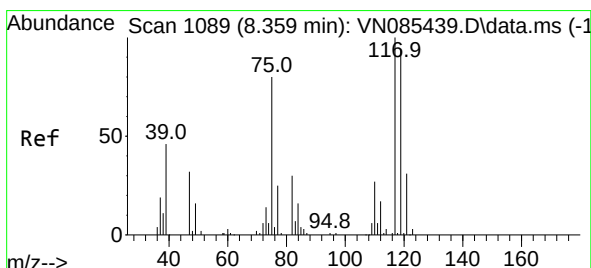
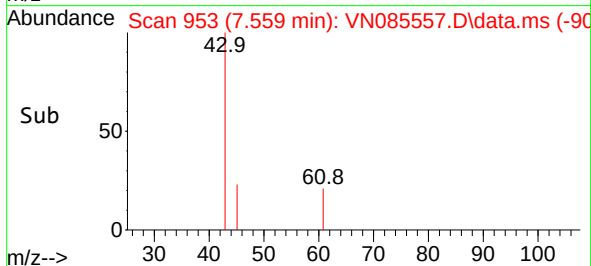
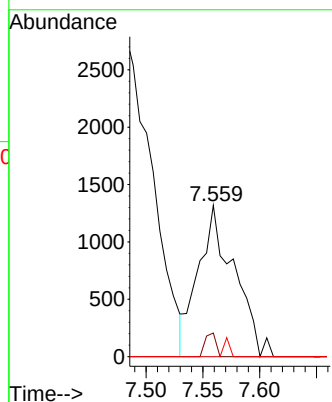
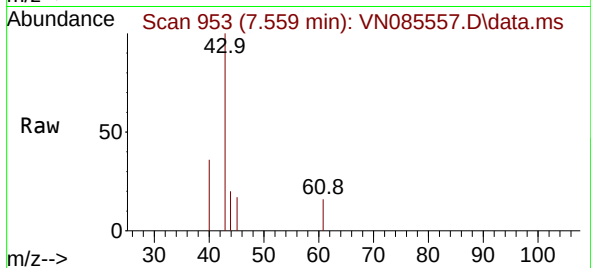
Acq: 29 Jan 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	2895
Ion	Ratio	Lower	Upper
43	100		
61	4.7	10.9	16.3#
70	2.0	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 5.109 ug/l

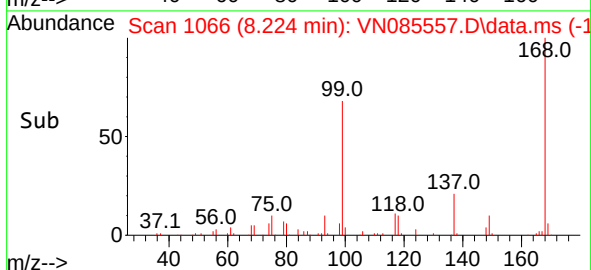
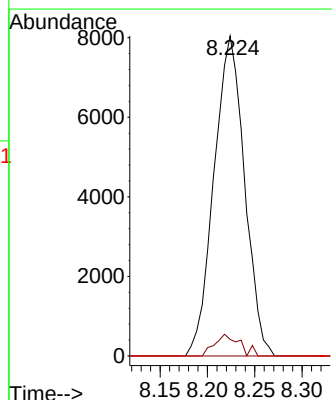
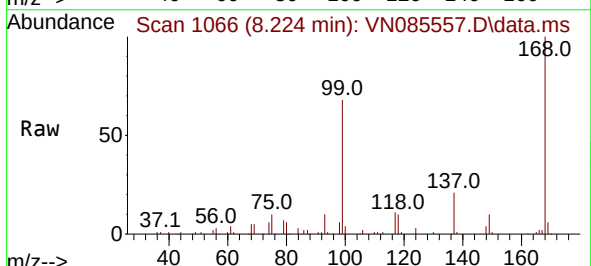
RT: 8.224 min Scan# 1066

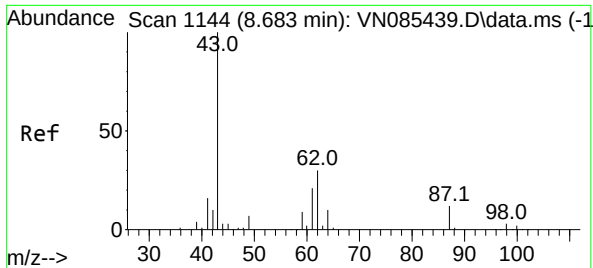
Delta R.T. -0.135 min

Lab File: VN085557.D

Acq: 29 Jan 2025 15:04

Tgt Ion:	117	Resp:	18074
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.4	113.2#
121	0.0	24.6	37.0#

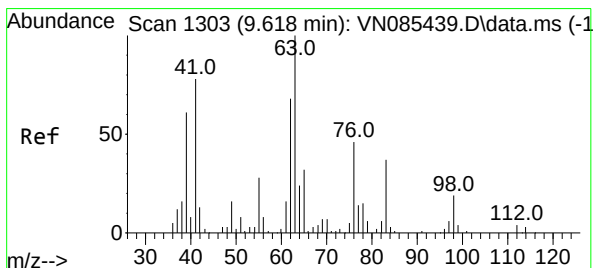
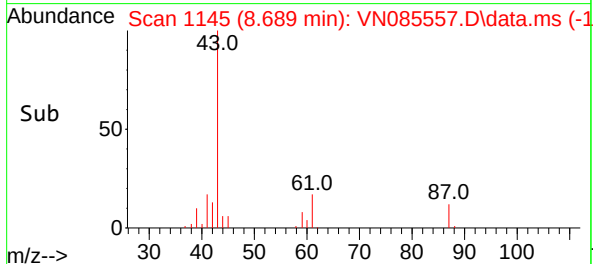
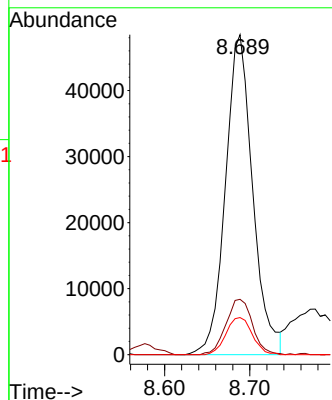
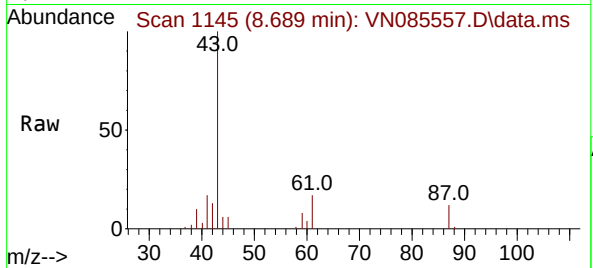




#43
Isopropyl Acetate
Concen: 21.568 ug/l
RT: 8.689 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

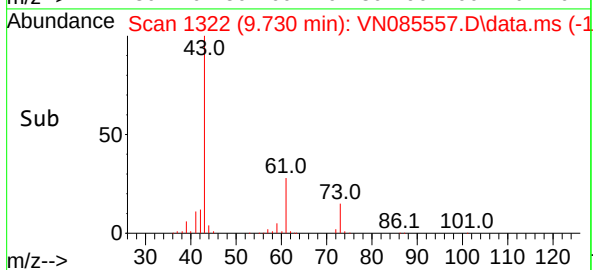
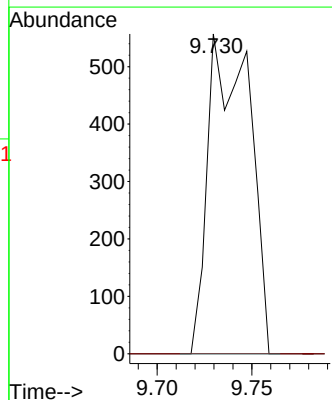
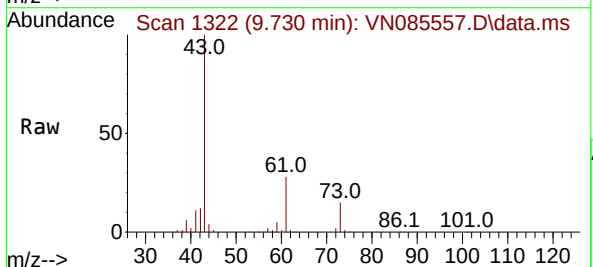
Instrument :
MSVOA_N
ClientSampleId :

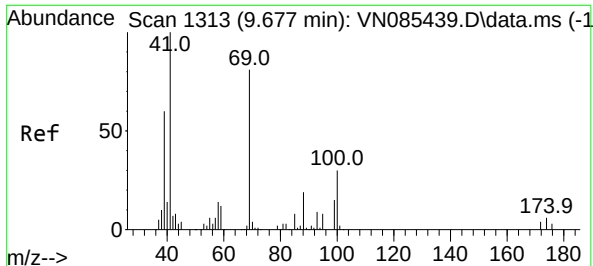
Tgt Ion: 43 Resp: 107795
Ion Ratio Lower Upper
43 100
61 16.8 20.7 31.1#
87 11.2 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.358 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

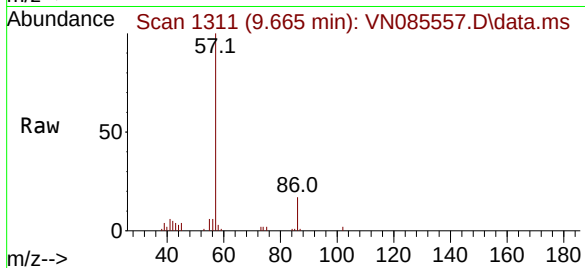
Tgt Ion: 63 Resp: 850
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



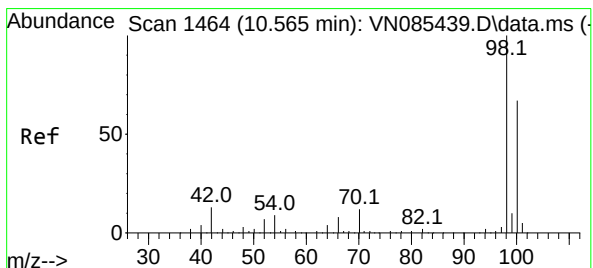
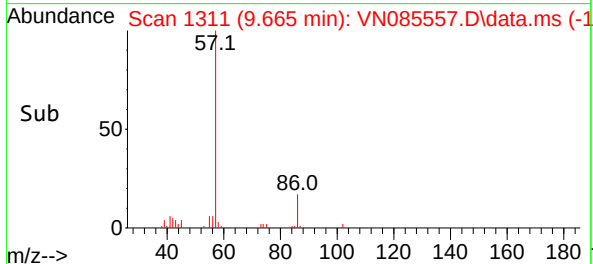
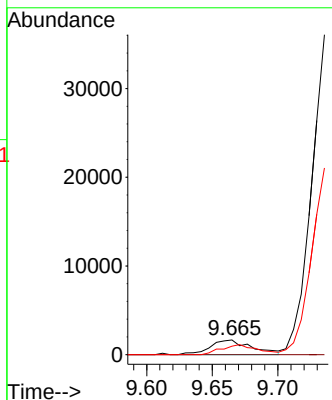


#48
Methyl methacrylate
Concen: 1.632 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

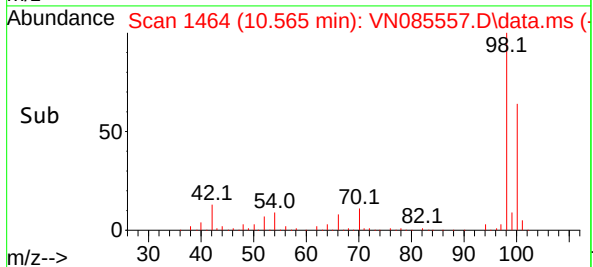
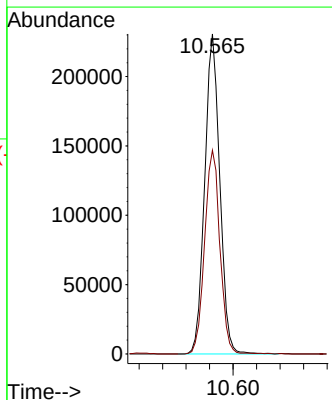
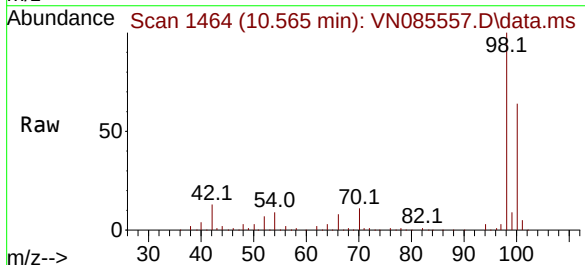


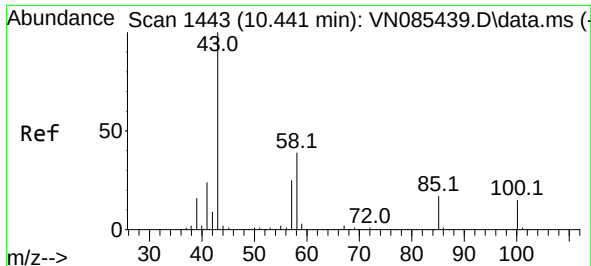
Tgt Ion: 41 Resp: 3671
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 59.2 49.0 73.6



#50
Toluene-d8
Concen: 52.517 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Tgt Ion: 98 Resp: 410833
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

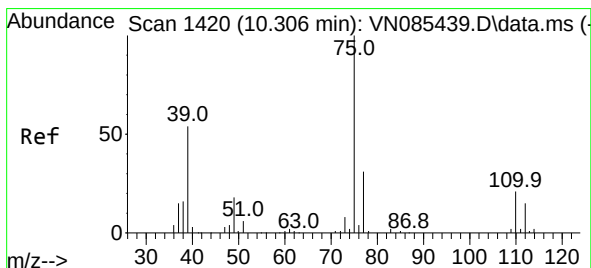
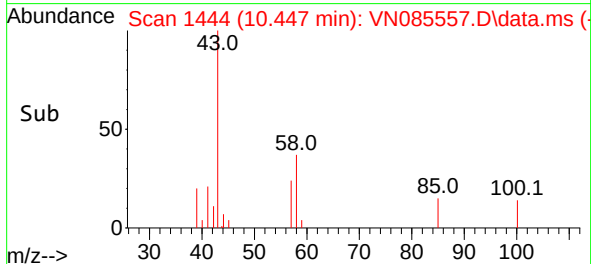
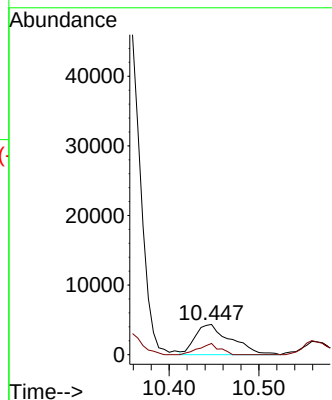
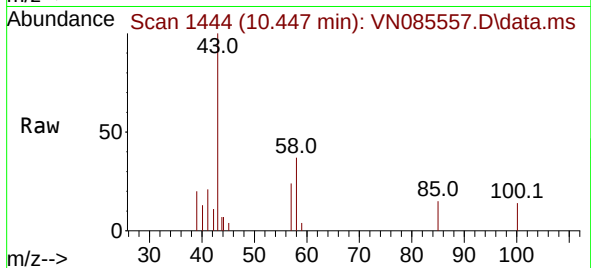




#51
4-Methyl-2-Pentanone
Concen: 4.124 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

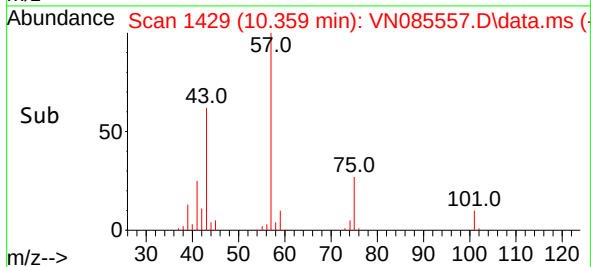
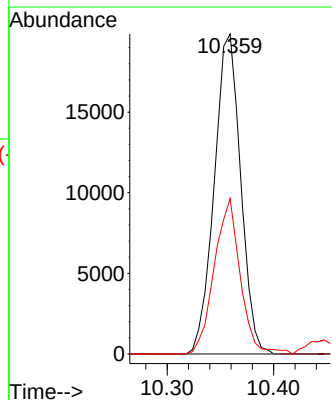
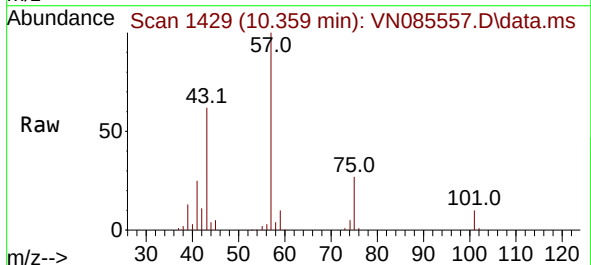
Instrument :
MSVOA_N
ClientSampleId :

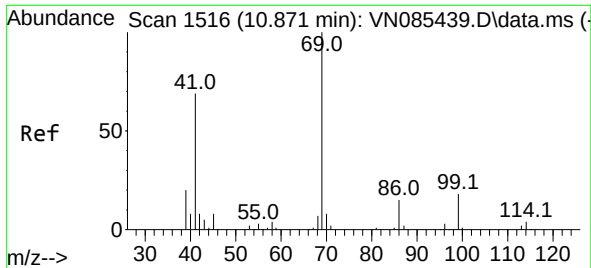
Tgt Ion: 43 Resp: 11960
Ion Ratio Lower Upper
43 100
58 21.9 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.690 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Tgt Ion: 75 Resp: 34103
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 48.6 43.1 64.7

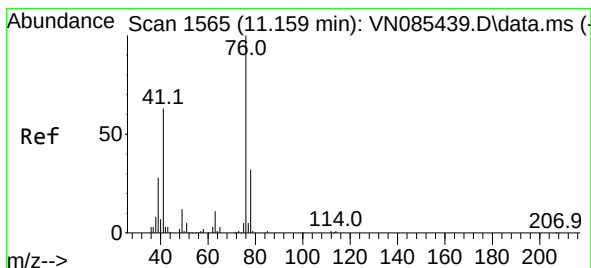
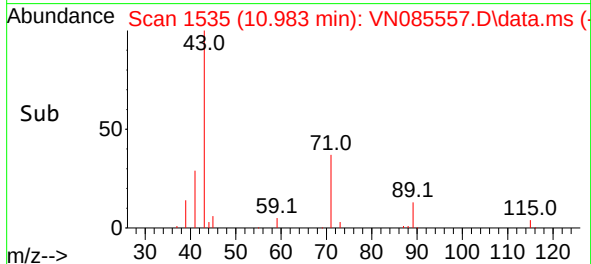
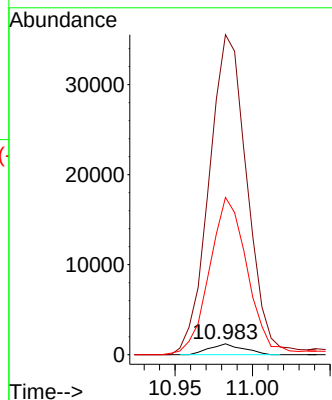
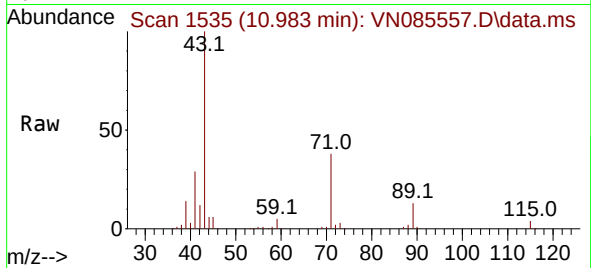




#56
Ethyl methacrylate
Concen: 2.420 ug/l
RT: 10.983 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

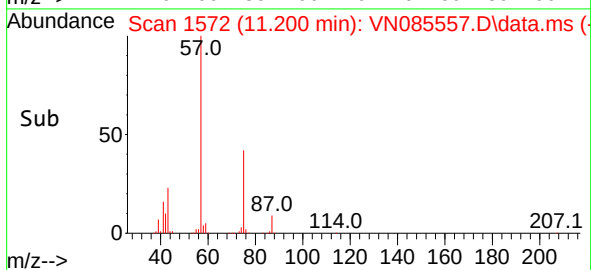
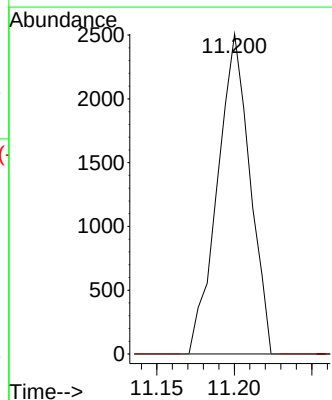
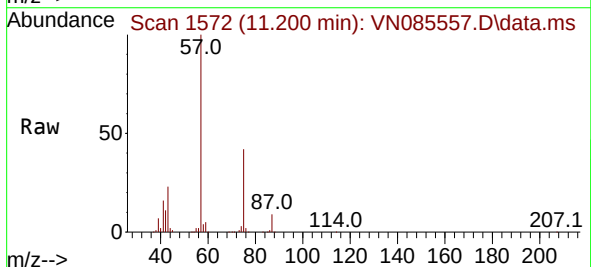
Instrument :
MSVOA_N
ClientSampleId :

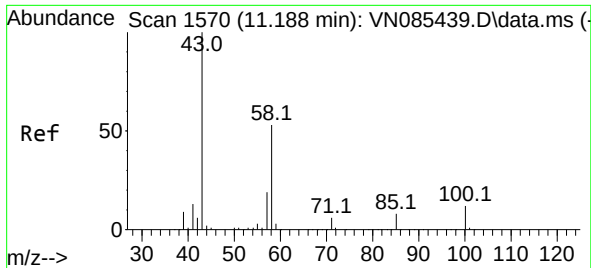
Tgt Ion: 69 Resp: 1825
Ion Ratio Lower Upper
69 100
41 3329.1 54.6 82.0#
39 1628.1 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.988 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Tgt Ion: 76 Resp: 3656
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

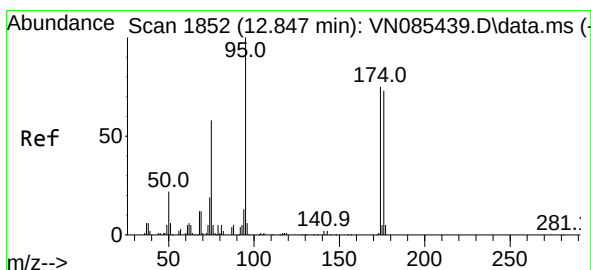
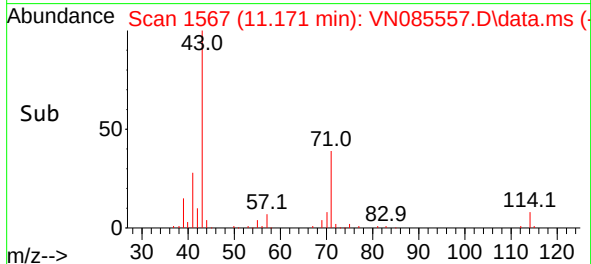
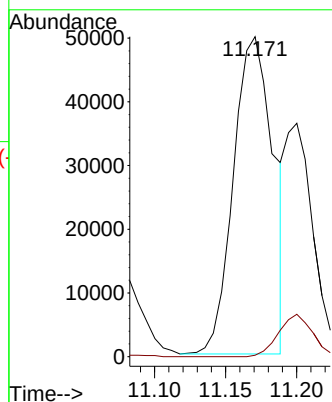
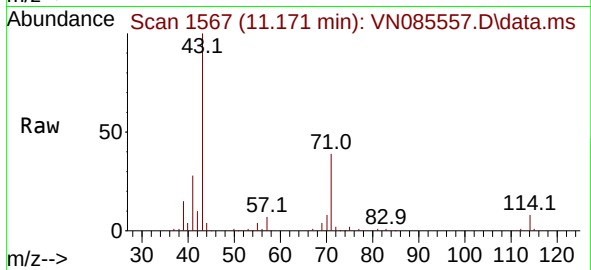




#59
2-Hexanone
Concen: 47.680 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

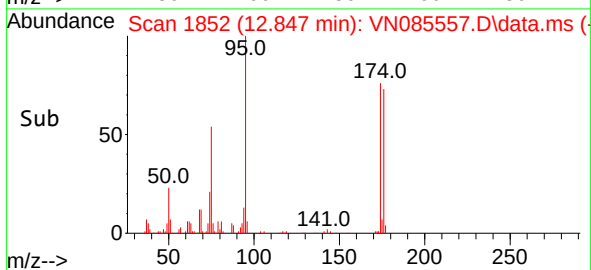
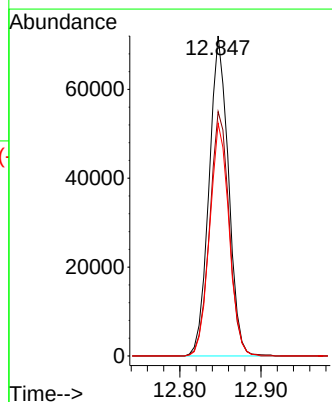
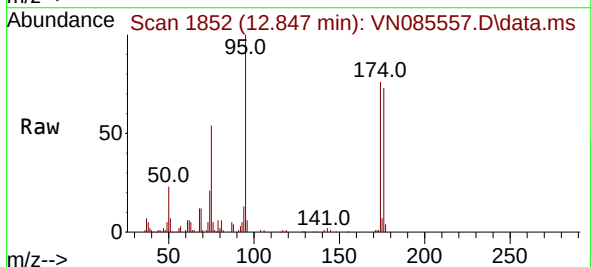
Instrument :
MSVOA_N
ClientSampleId :

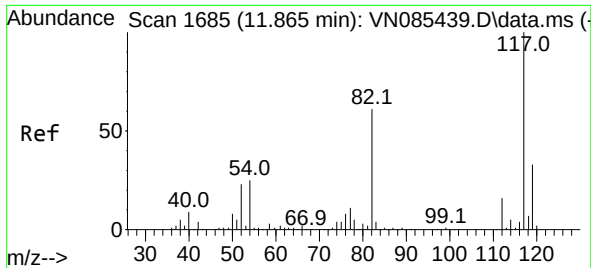
Tgt Ion: 43 Resp: 97298
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Tgt Ion: 95 Resp: 119370
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 72.7 0.0 142.4

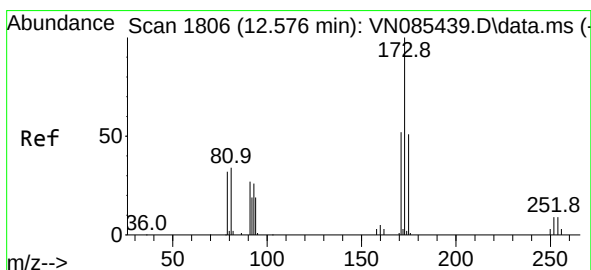
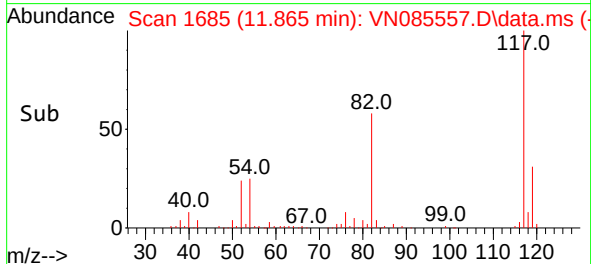
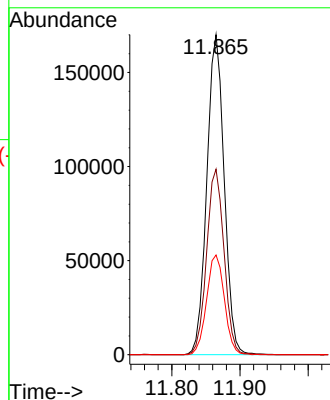
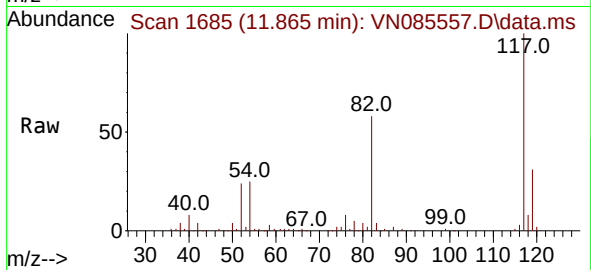




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

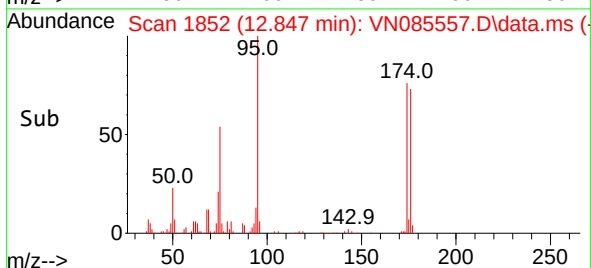
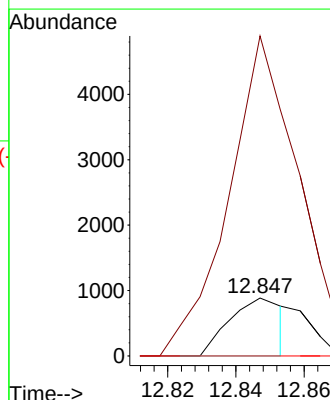
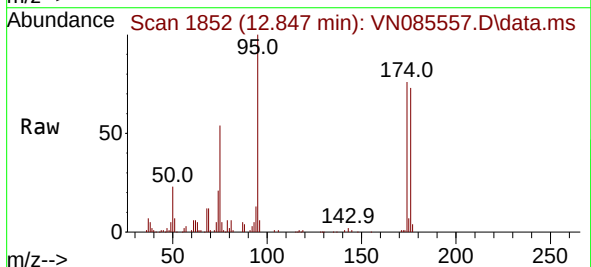
Instrument :
MSVOA_N
ClientSampleId :

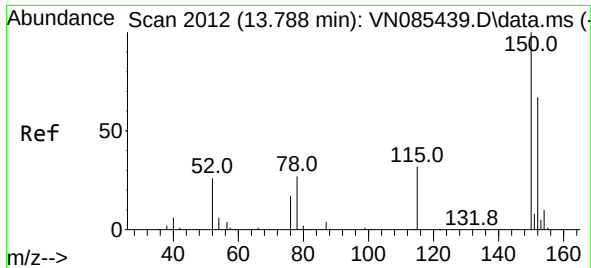
Tgt Ion:117 Resp: 301389
Ion Ratio Lower Upper
117 100
82 58.0 48.6 72.8
119 31.2 26.6 39.8



#71
Bromoform
Concen: 0.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

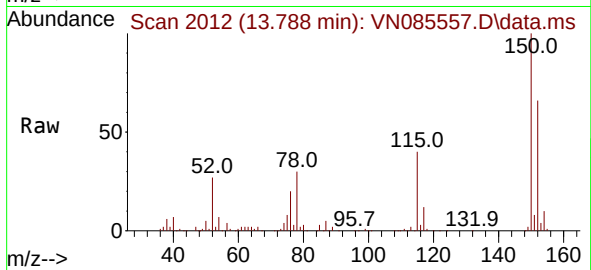
Tgt Ion:173 Resp: 973
Ion Ratio Lower Upper
173 100
175 546.8 24.4 73.2#
254 0.0 0.0 0.0



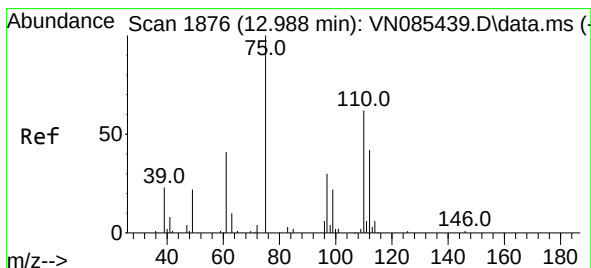
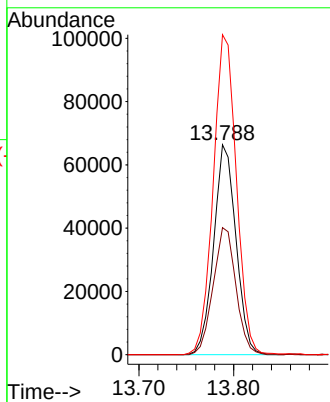
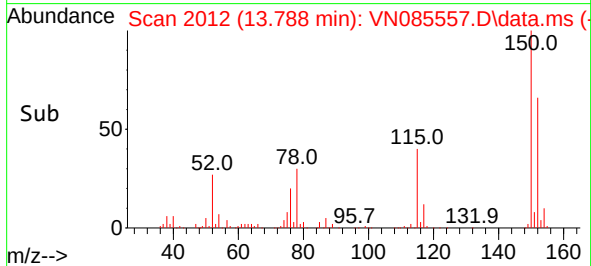


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

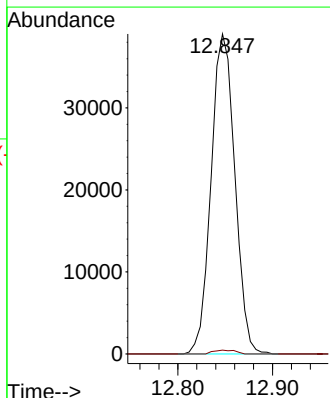
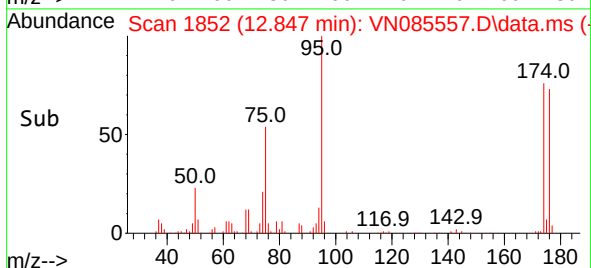
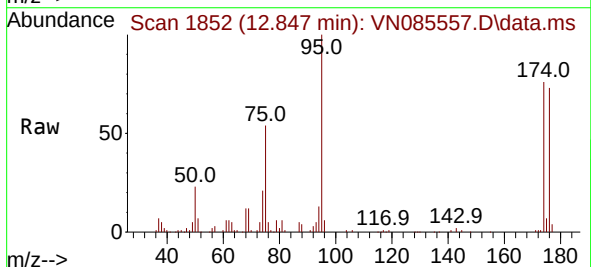


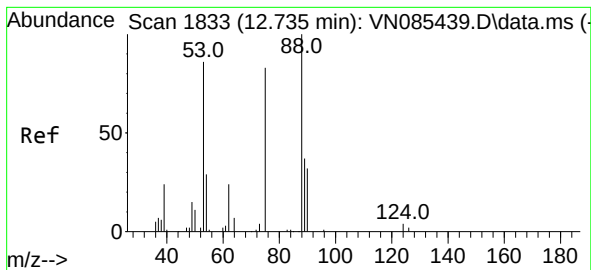
Tgt Ion:152 Resp: 108730
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 158.4 0.0 343.6



#76
1,2,3-Trichloropropane
Concen: 30.817 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085557.D
Acq: 29 Jan 2025 15:04

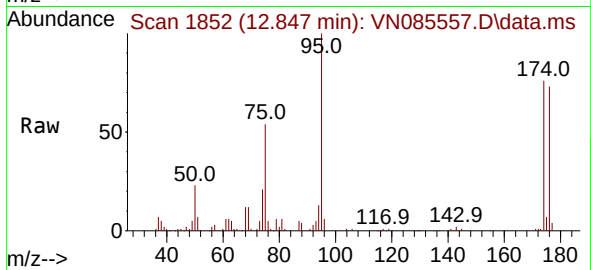
Tgt Ion: 75 Resp: 68105
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.378 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085557.D
 Acq: 29 Jan 2025 15:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68105
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.6 143.4#
 89 0.0 37.0 55.6#

