

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085539.D
 Acq On : 28 Jan 2025 15:25
 Operator : JC\MD
 Sample : Q1199-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 00:40:08 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)

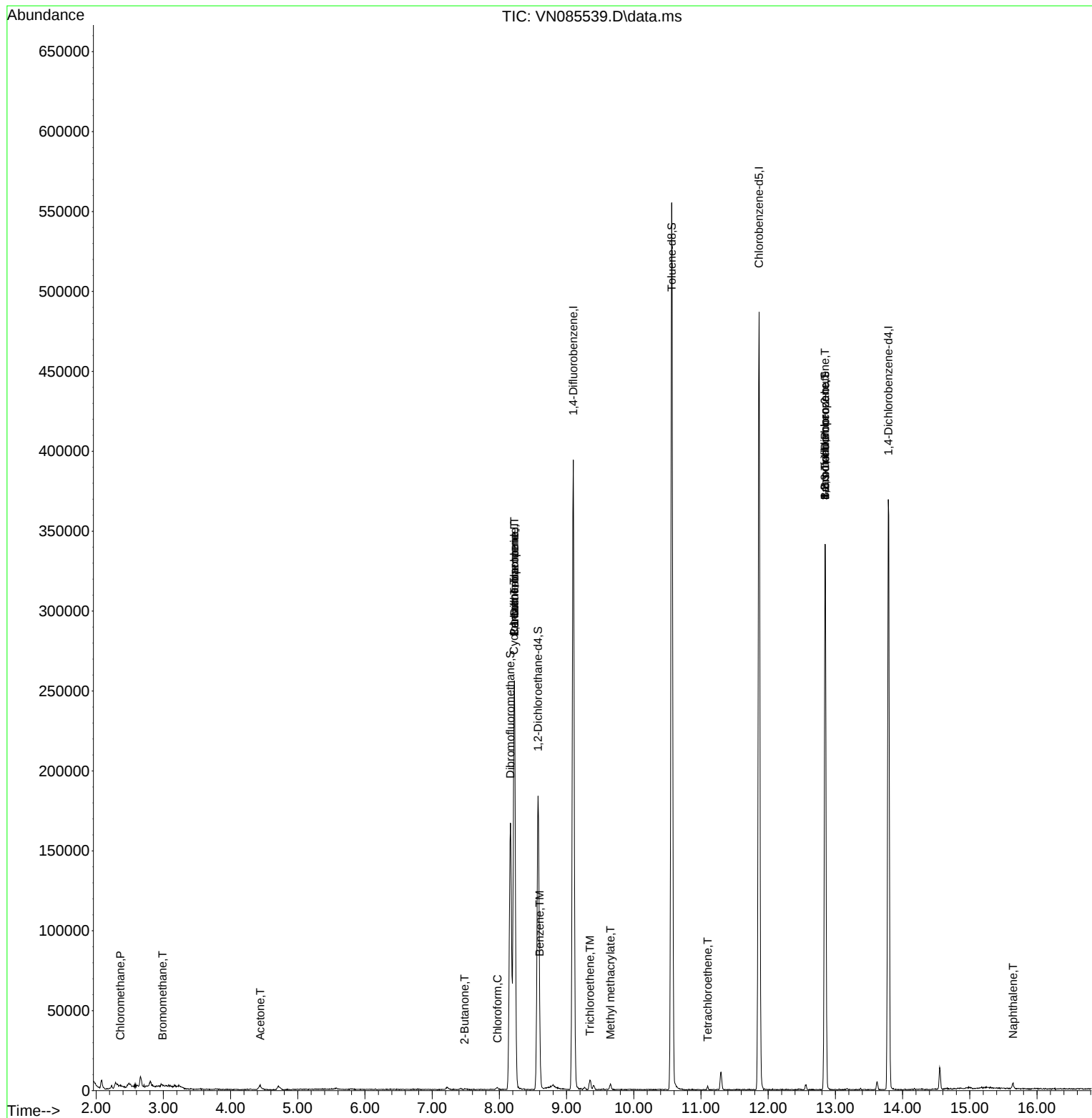
Internal Standards						
1) Pentafluorobenzene	8.224	168	175585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	154961	54.673	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.340%		
35) Dibromofluoromethane	8.165	113	117804	53.007	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.020%		
50) Toluene-d8	10.565	98	369236	46.761	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.520%		
62) 4-Bromofluorobenzene	12.847	95	111786	41.385	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 82.780%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	624	0.242	ug/l #	85
5) Bromomethane	2.989	94	333	0.213	ug/l #	5
16) Acetone	4.441	43	4790	5.230	ug/l	90
25) 2-Butanone	7.482	43	545	0.404	ug/l #	50
30) Chloroform	7.971	83	1465	0.343	ug/l	84
31) Cyclohexane	8.218	56	4511	1.254	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16073	5.153	ug/l #	51
38) Carbon Tetrachloride	8.224	117	19390	5.430	ug/l #	18
40) Benzene	8.600	78	3656	0.390	ug/l	98
44) Trichloroethene	9.347	130	2299	1.054	ug/l	96
48) Methyl methacrylate	9.653	41	1026	0.452	ug/l #	42
64) Tetrachloroethene	11.100	164	379	0.216	ug/l #	78
71) Bromoform	12.847	173	1278	0.863	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62273	31.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62273	86.194	ug/l #	3
95) Naphthalene	15.647	128	3437	0.796	ug/l	99

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

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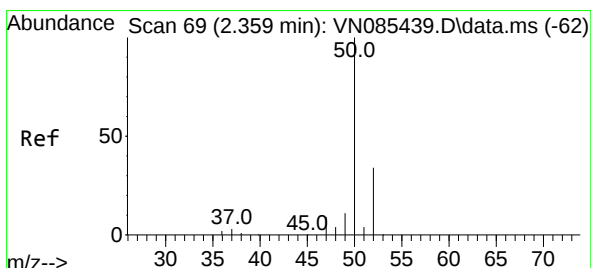
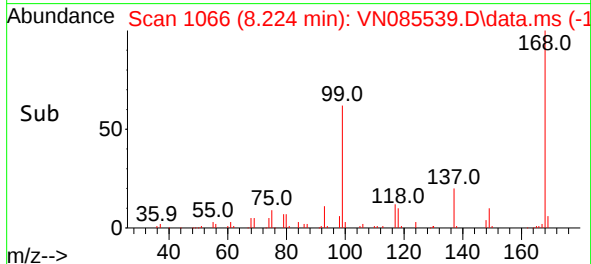
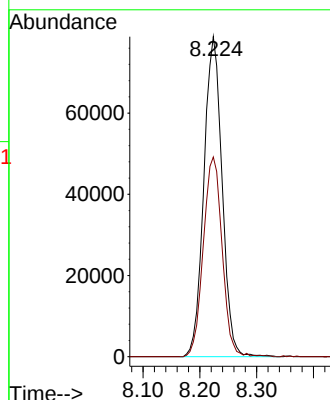
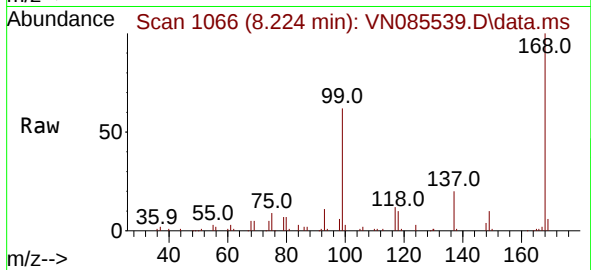




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

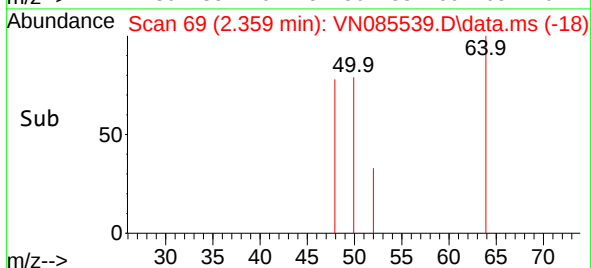
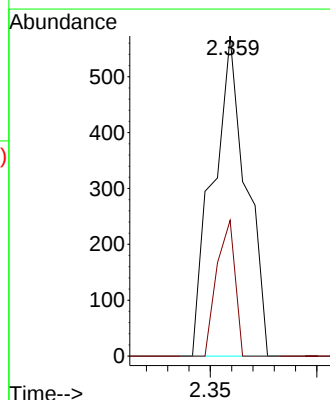
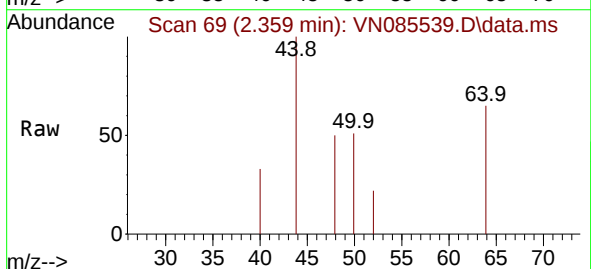
Instrument :
MSVOA_N
ClientSampleId :

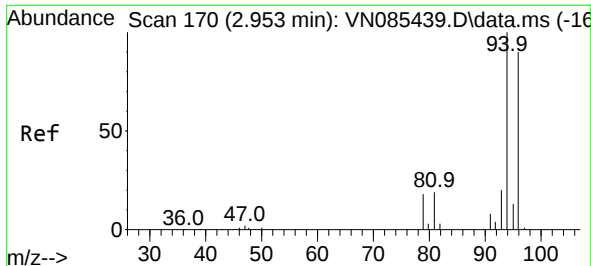
Tgt Ion:168 Resp: 175585
Ion Ratio Lower Upper
168 100
99 62.4 53.6 80.4



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 42.4 27.0 40.6#

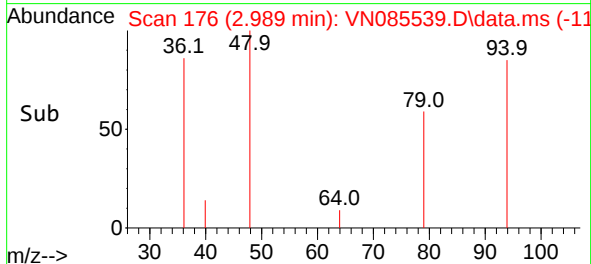
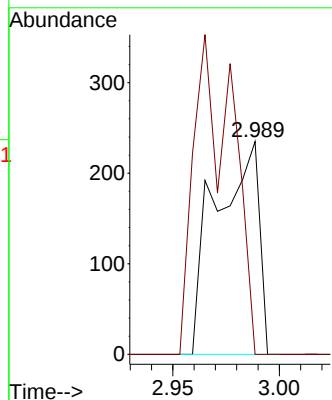
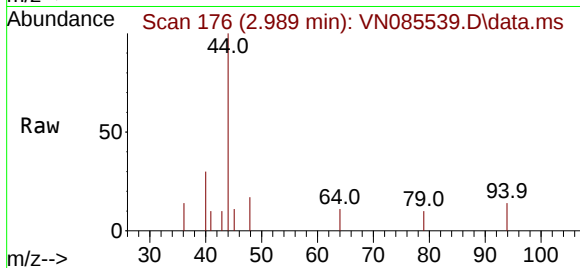




#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

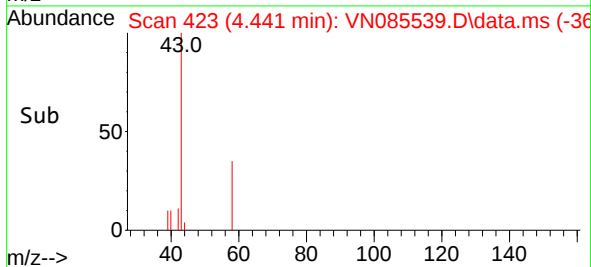
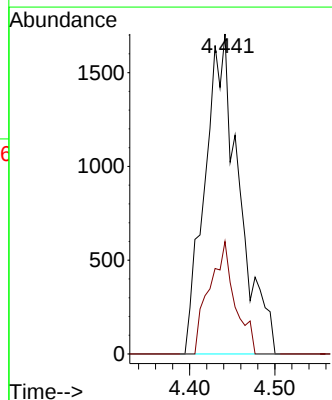
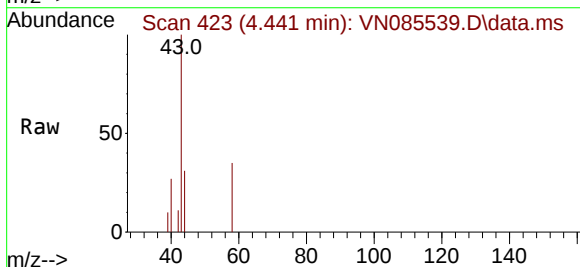
Instrument :
MSVOA_N
ClientSampleId :

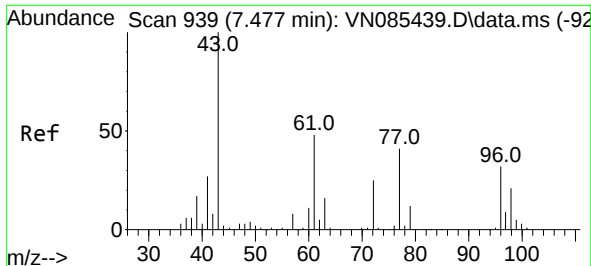
Tgt Ion: 94 Resp: 333
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



#16
Acetone
Concen: 5.230 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion: 43 Resp: 4790
Ion Ratio Lower Upper
43 100
58 35.2 23.8 35.6





#25

2-Butanone

Concen: 0.404 ug/l

RT: 7.482 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

Instrument :

MSVOA_N

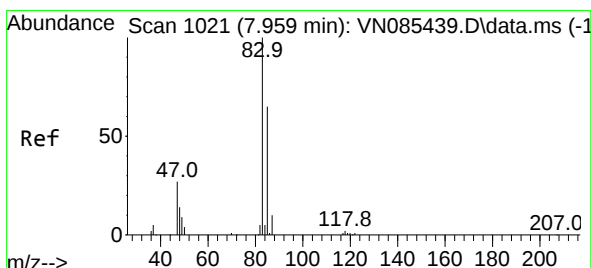
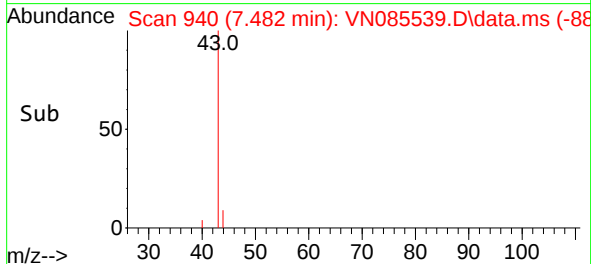
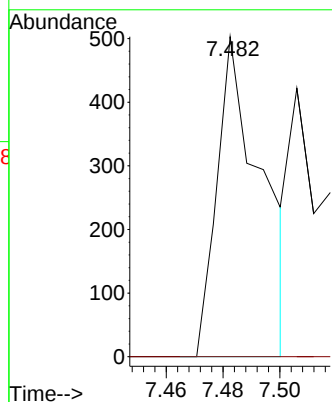
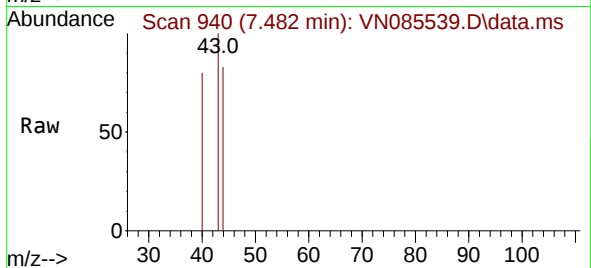
ClientSampleId :

Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



#30

Chloroform

Concen: 0.343 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085539.D

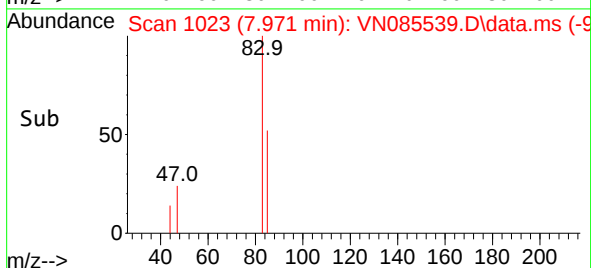
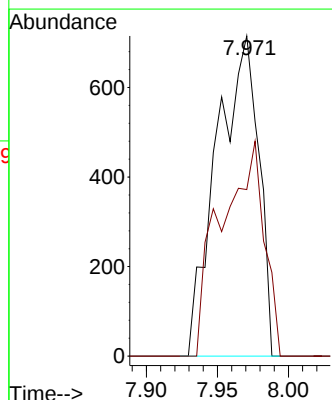
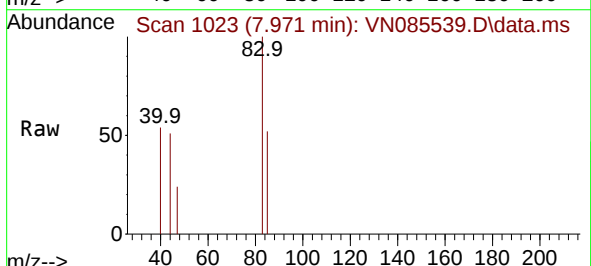
Acq: 28 Jan 2025 15:25

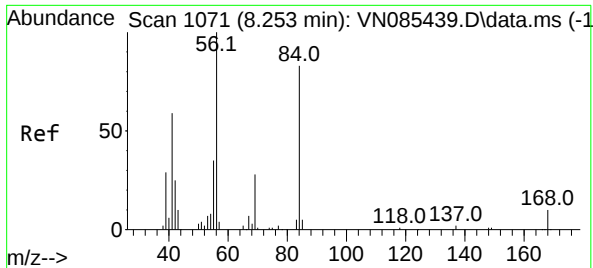
Tgt Ion: 83 Resp: 1465

Ion Ratio Lower Upper

83 100

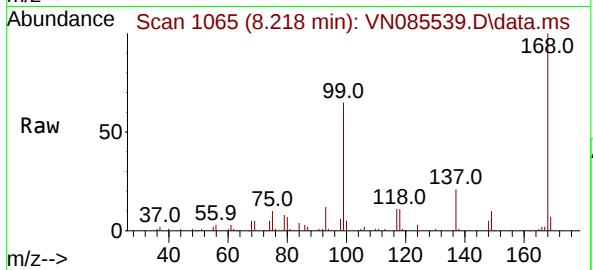
85 52.0 51.8 77.6



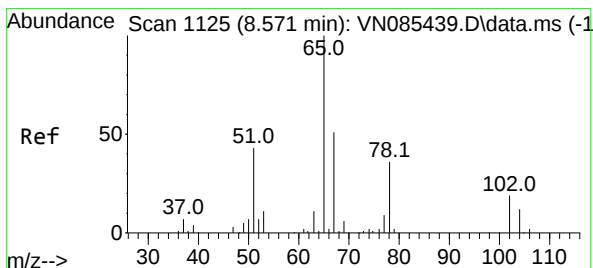
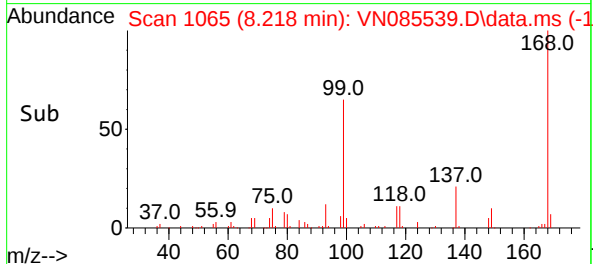
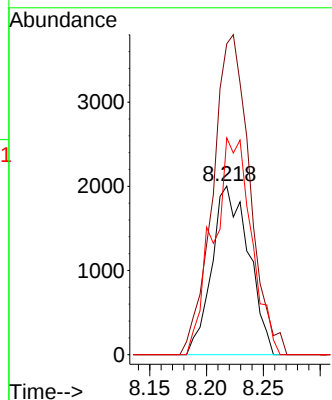


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :

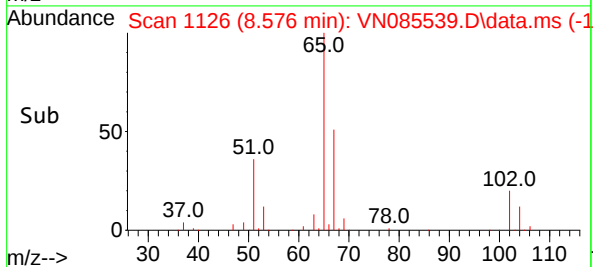
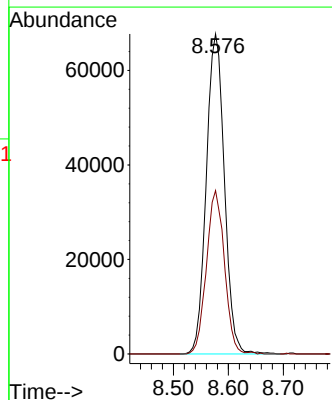
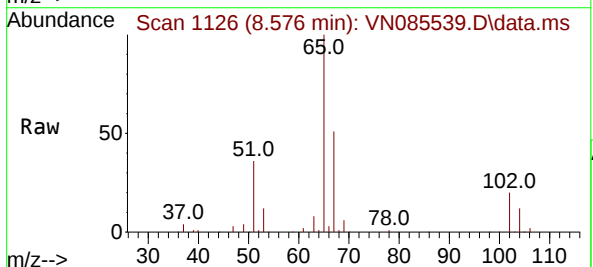


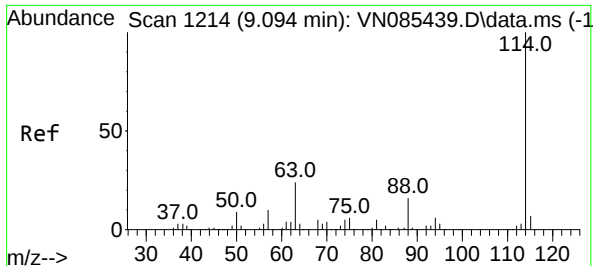
Tgt Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
69 184.2 22.2 33.4#
84 128.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.673 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion: 65 Resp: 154961
Ion Ratio Lower Upper
65 100
67 50.9 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: VN085539.D

Acq: 28 Jan 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

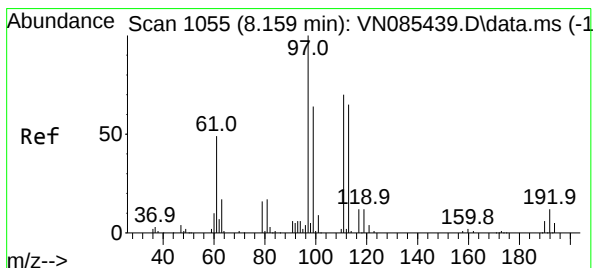
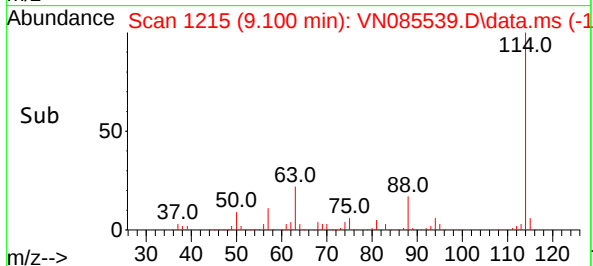
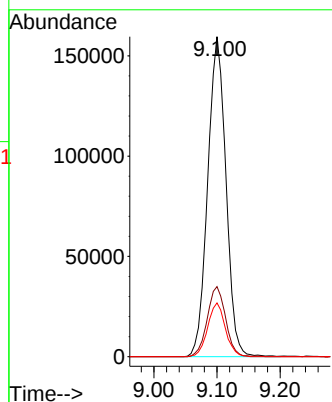
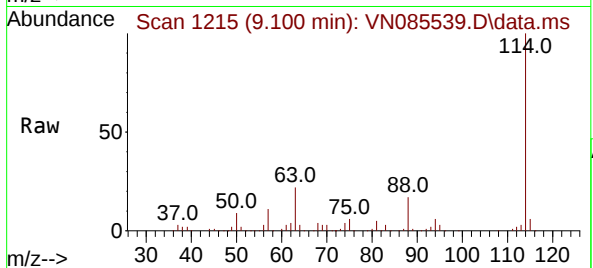
Tgt Ion:114 Resp: 320348

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.6

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.007 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

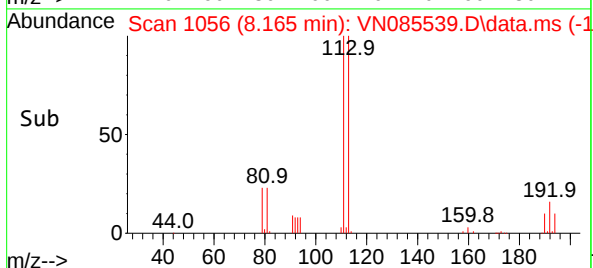
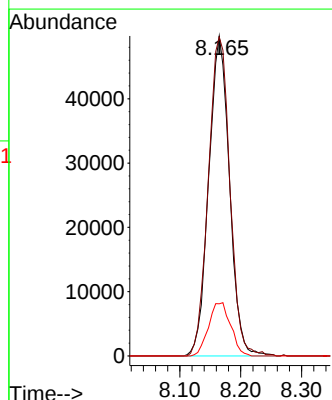
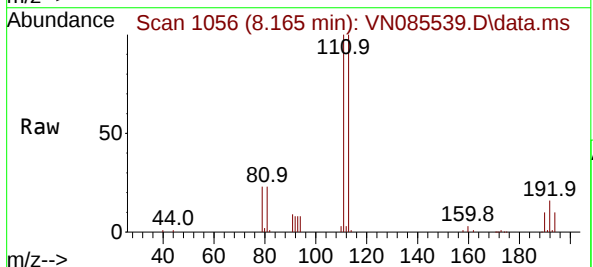
Tgt Ion:113 Resp: 117804

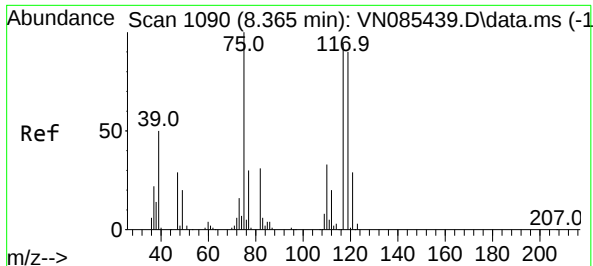
Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085539.D

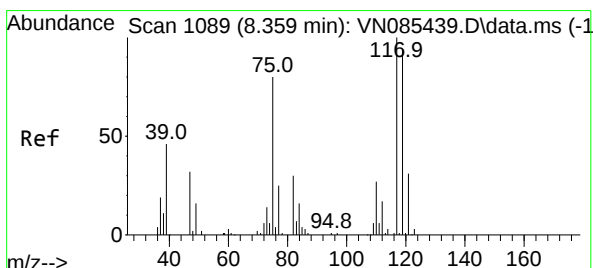
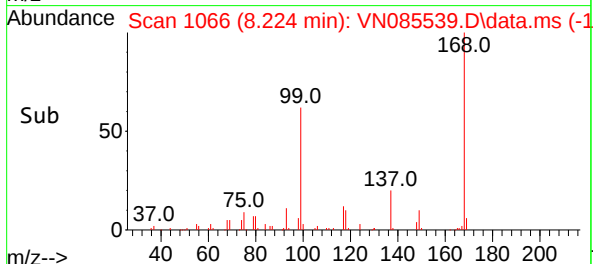
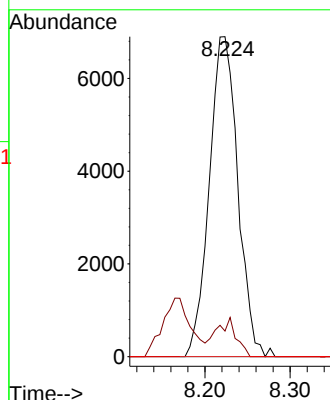
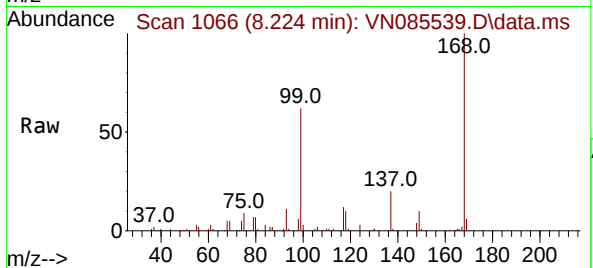
Acq: 28 Jan 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	16073
Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.5	49.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.430 ug/l

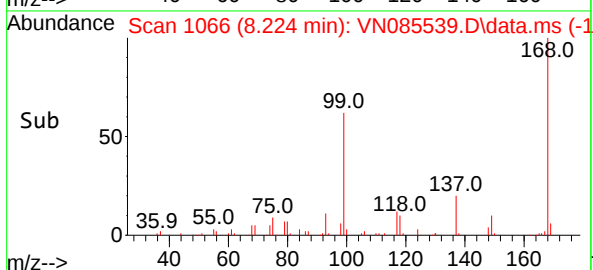
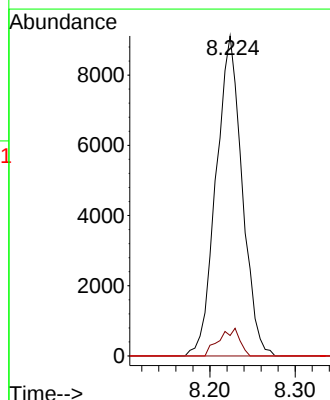
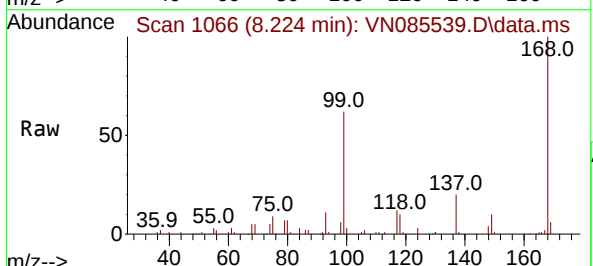
RT: 8.224 min Scan# 1066

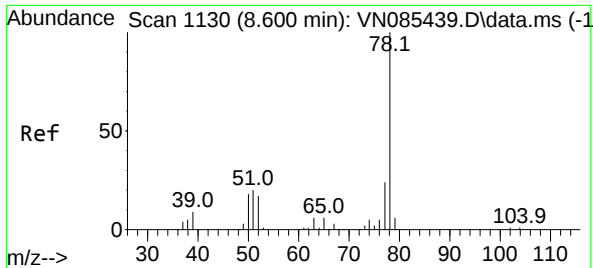
Delta R.T. -0.135 min

Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

Tgt Ion:	117	Resp:	19390
Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.4	113.2#
121	0.0	24.6	37.0#

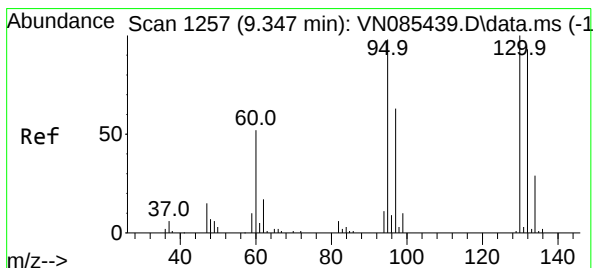
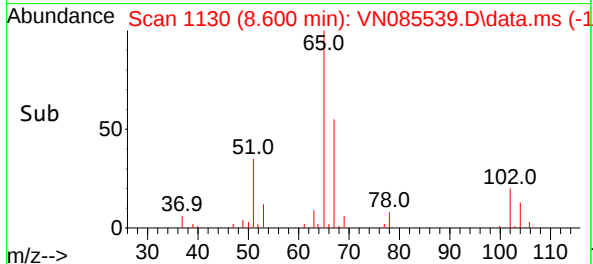
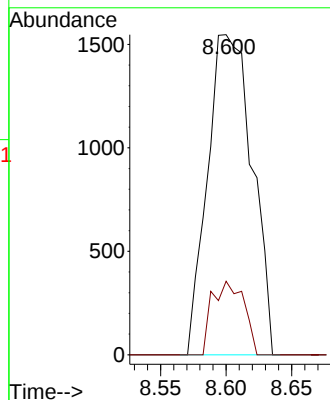
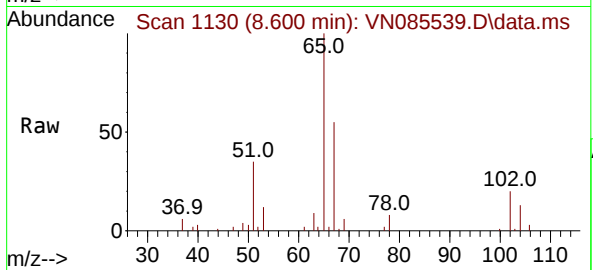




#40
Benzene
Concen: 0.390 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

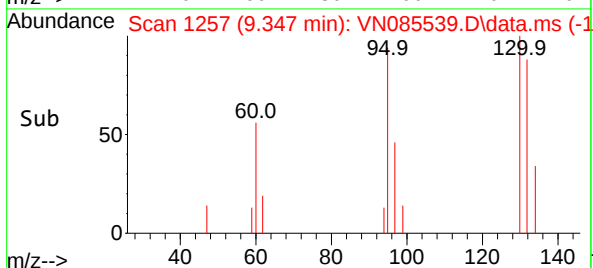
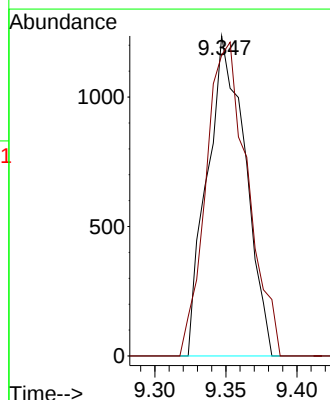
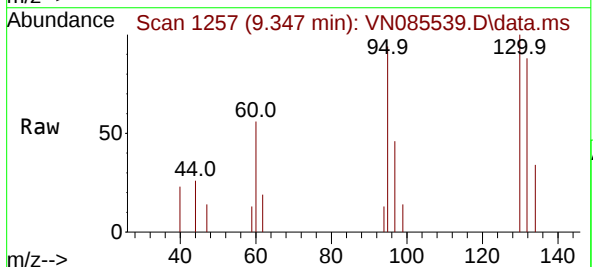
Instrument :
MSVOA_N
ClientSampleId :

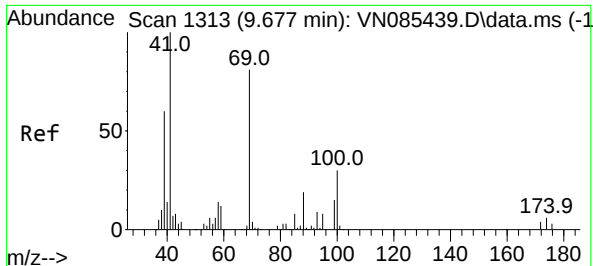
Tgt Ion: 78 Resp: 3656
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6



#44
Trichloroethene
Concen: 1.054 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion:130 Resp: 2299
Ion Ratio Lower Upper
130 100
95 94.0 0.0 195.8





#48

Methyl methacrylate

Concen: 0.452 ug/l

RT: 9.653 min Scan# 1

Delta R.T. -0.024 min

Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

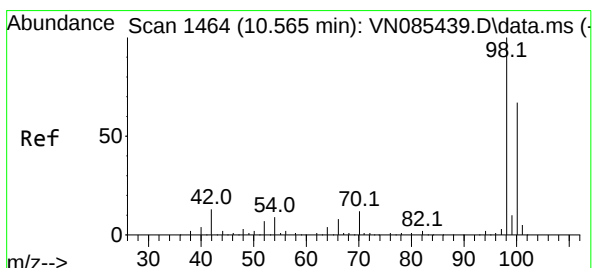
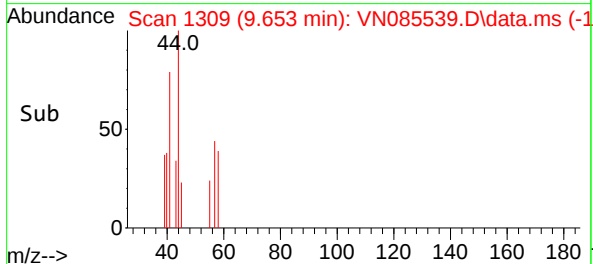
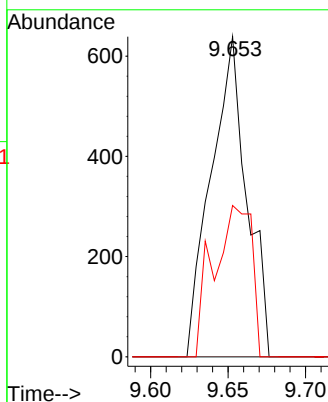
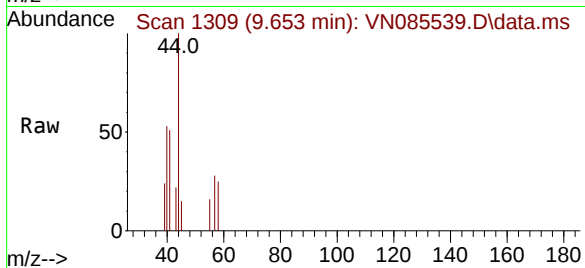
Tgt Ion: 41 Resp: 1026

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 50.3 49.0 73.6



#50

Toluene-d8

Concen: 46.761 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085539.D

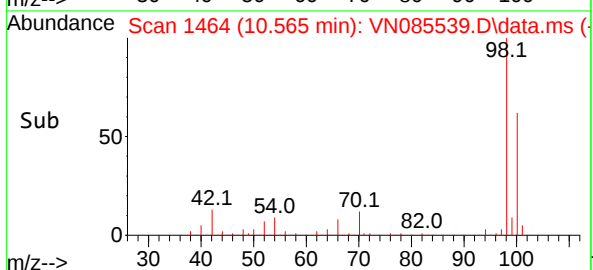
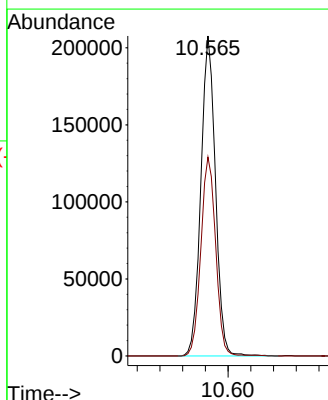
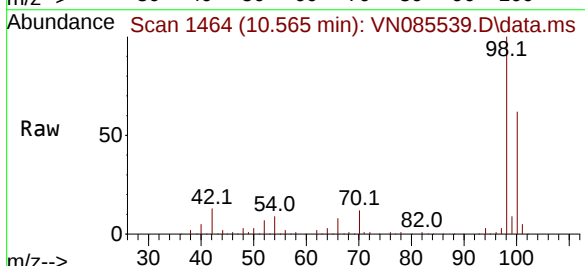
Acq: 28 Jan 2025 15:25

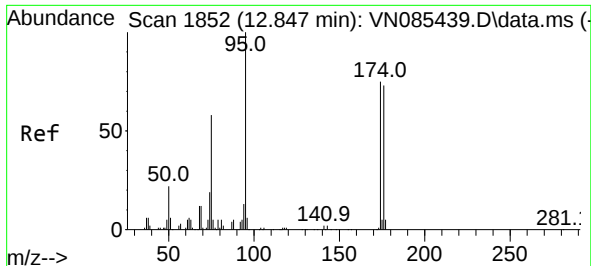
Tgt Ion: 98 Resp: 369236

Ion Ratio Lower Upper

98 100

100 63.0 52.2 78.4

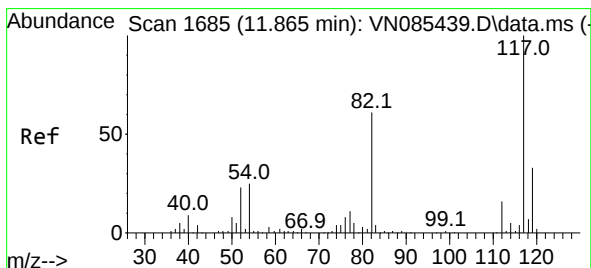
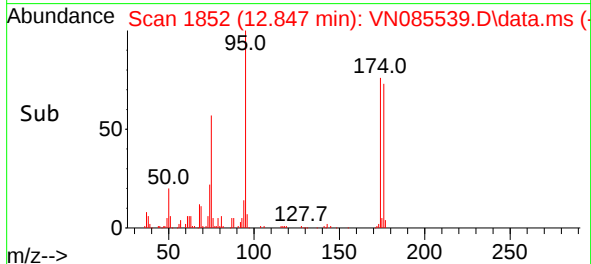
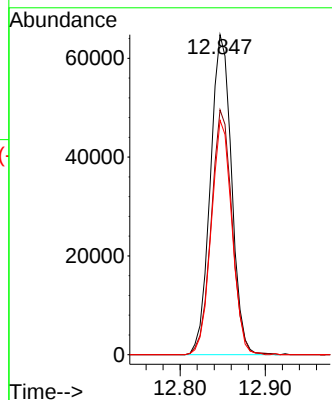
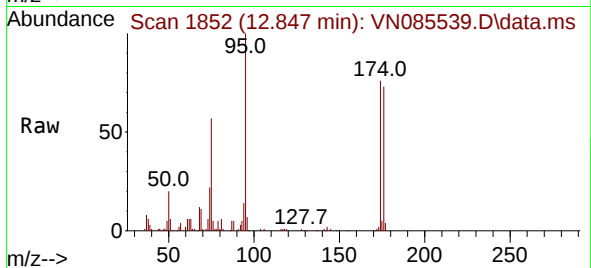




#62
4-Bromofluorobenzene
Concen: 41.385 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

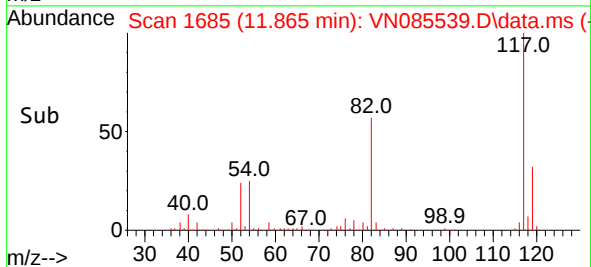
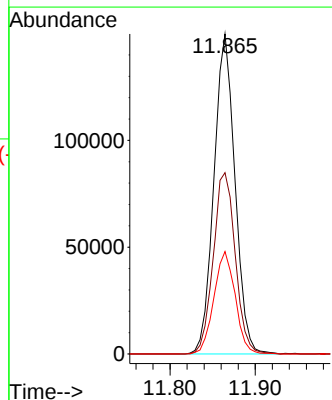
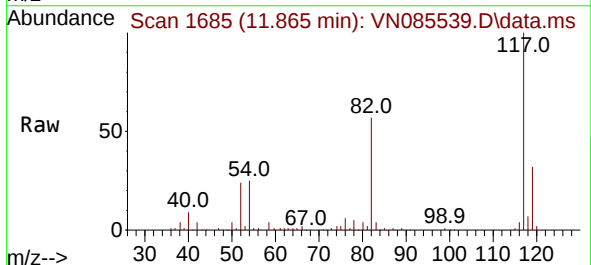
Instrument :
MSVOA_N
ClientSampleId :

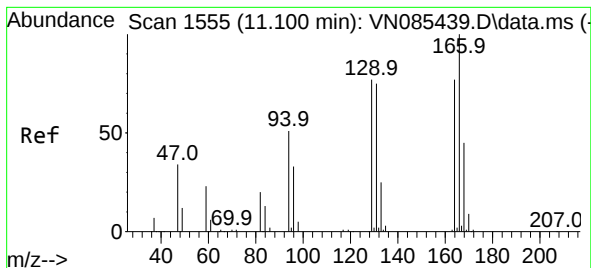
Tgt Ion: 95 Resp: 111786
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.0
176 71.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion: 117 Resp: 257521
Ion Ratio Lower Upper
117 100
82 56.7 48.6 72.8
119 32.0 26.6 39.8





#64

Tetrachloroethene

Concen: 0.216 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

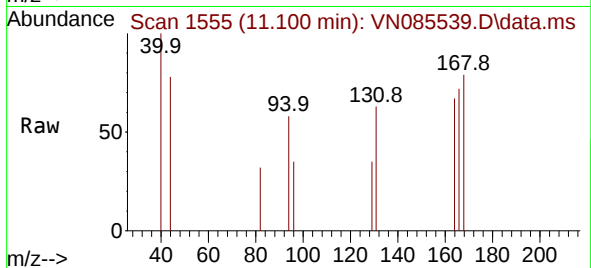
Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 379

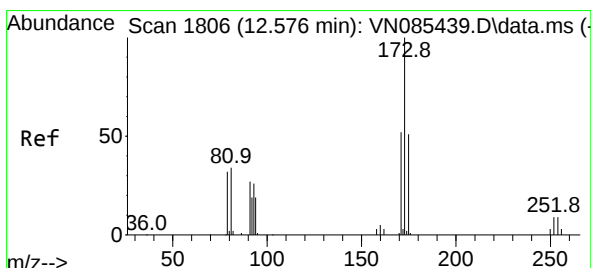
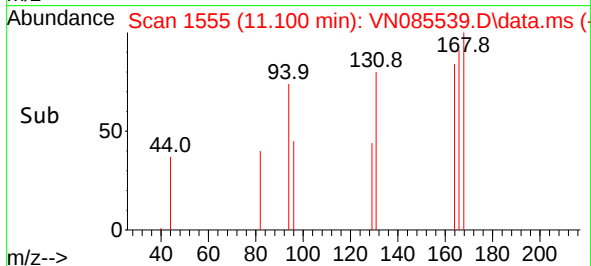
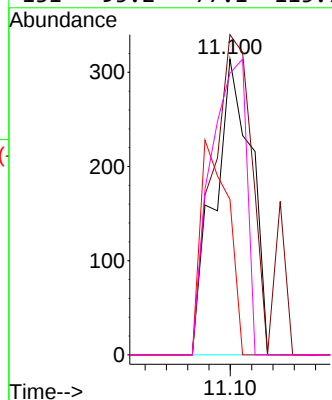
Ion Ratio Lower Upper

164 100

166 108.3 103.4 155.2

129 52.5 79.2 118.8#

131 95.2 77.1 115.7



#71

Bromoform

Concen: 0.863 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN085539.D

Acq: 28 Jan 2025 15:25

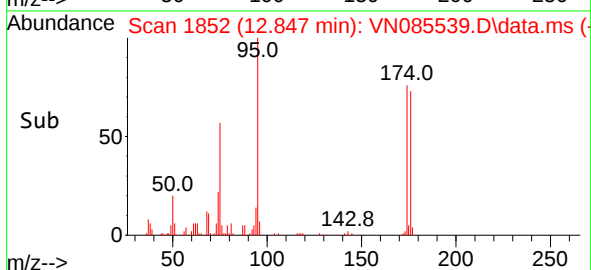
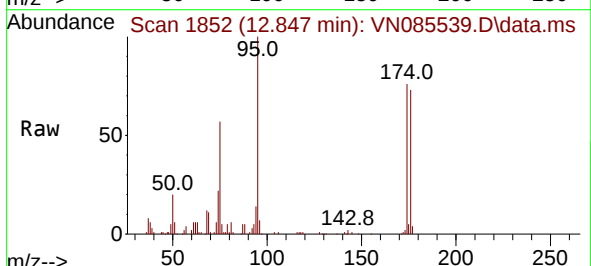
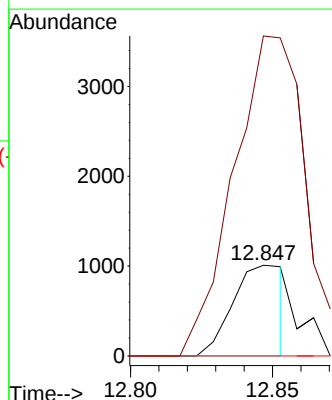
Tgt Ion:173 Resp: 1278

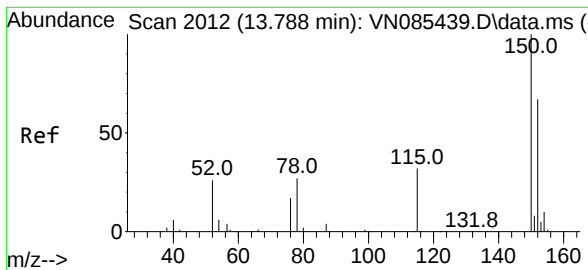
Ion Ratio Lower Upper

173 100

175 354.9 24.4 73.2#

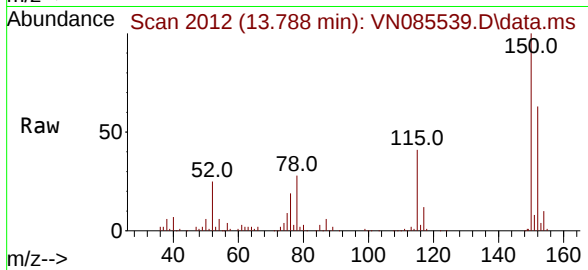
254 0.0 0.0 0.0



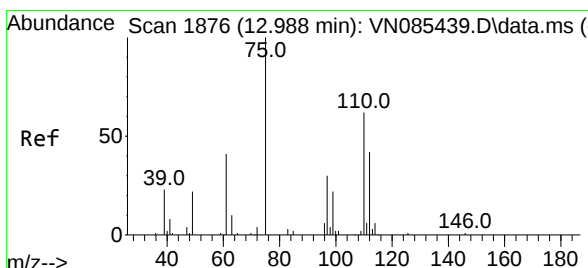
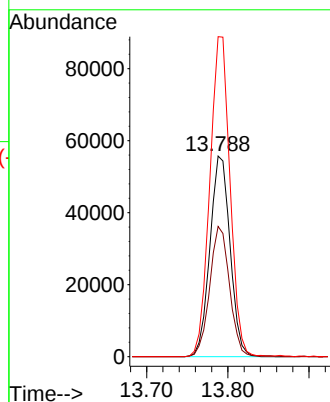
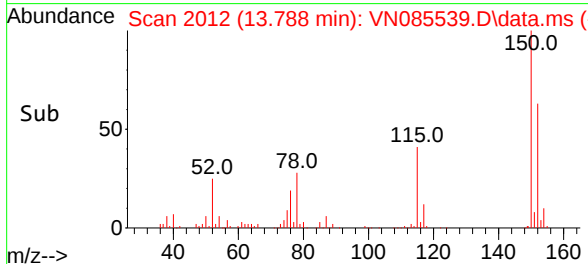


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :

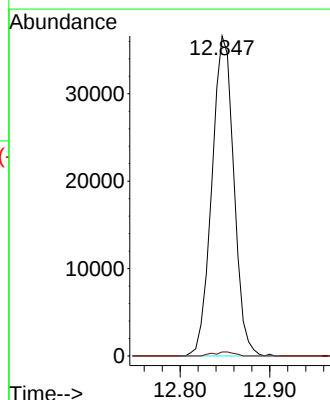
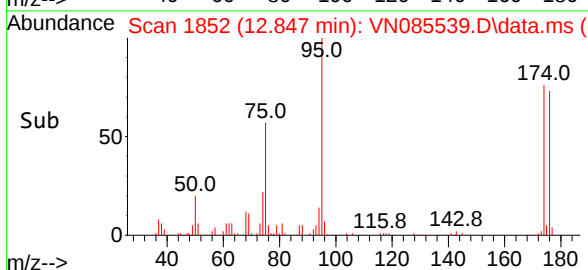
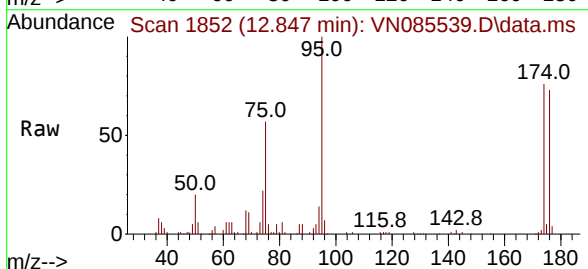


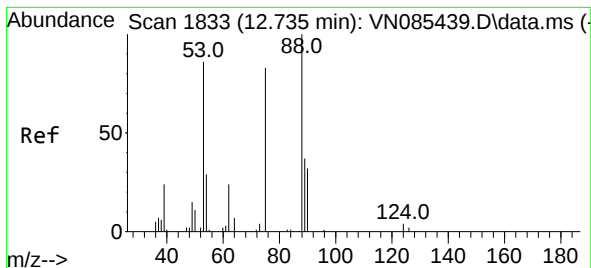
Tgt Ion:152 Resp: 96171
Ion Ratio Lower Upper
152 100
115 63.7 31.1 93.3
150 159.7 0.0 343.6



#76
1,2,3-Trichloropropane
Concen: 31.858 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion: 75 Resp: 62273
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#

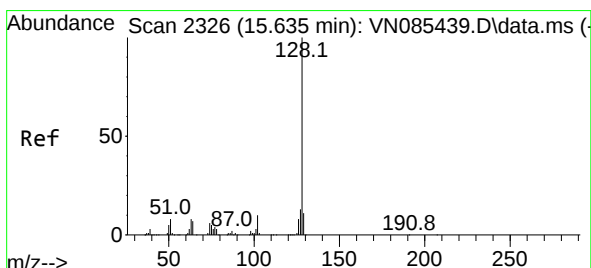
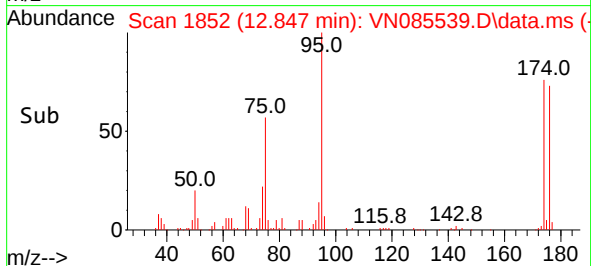
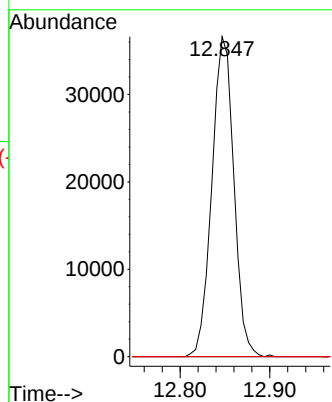
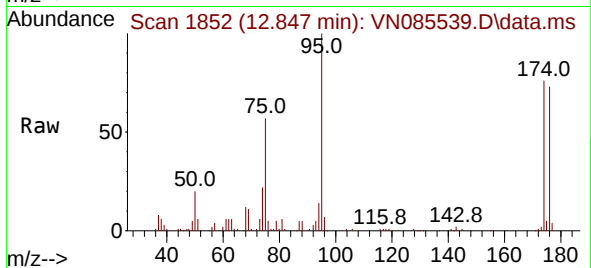




#81
trans-1,4-Dichloro-2-butene
Concen: 86.194 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62273
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.796 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085539.D
Acq: 28 Jan 2025 15:25

Tgt Ion:128 Resp: 3437
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.6 8.8 13.2

