

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085486.D
 Acq On : 17 Jan 2025 12:25
 Operator : JC\MD
 Sample : Q1121-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 22:33:30 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)

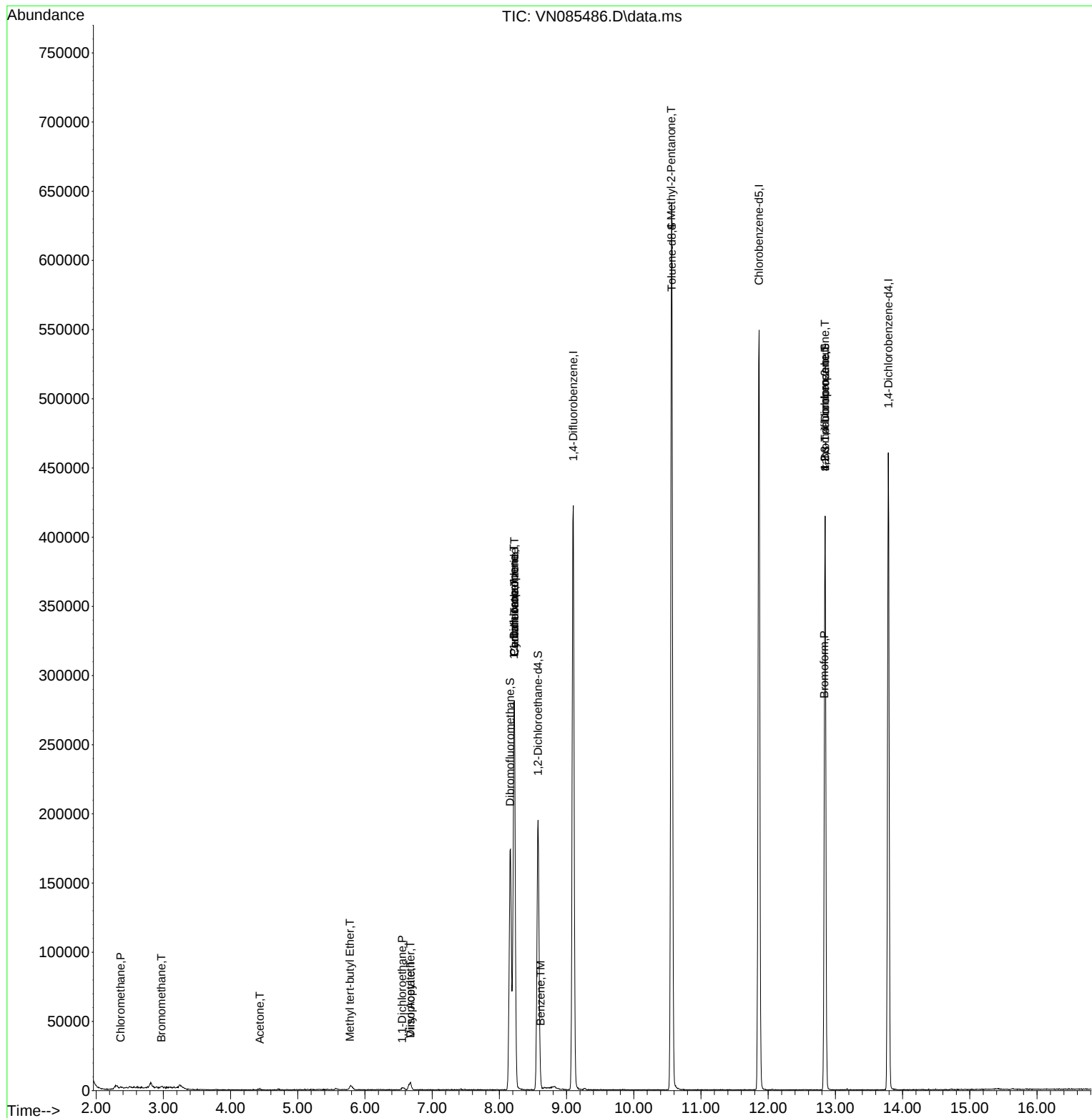
Internal Standards						
1) Pentafluorobenzene	8.224	168	192512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162625	52.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.660%			
35) Dibromofluoromethane	8.159	113	122506	51.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	10.565	98	422660	49.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.847	95	135339	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	627	0.222	ug/l	95
5) Bromomethane	2.971	94	621	0.362	ug/l #	71
16) Acetone	4.436	43	996	0.992	ug/l #	45
19) Methyl tert-butyl Ether	5.777	73	4797	0.715	ug/l #	77
22) Diisopropyl ether	6.677	45	5772	0.776	ug/l #	90
23) Vinyl Acetate	6.677	43	3507	0.673	ug/l #	72
24) 1,1-Dichloroethane	6.553	63	1392	0.307	ug/l #	82
31) Cyclohexane	8.224	56	5308	1.346	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18221	5.409	ug/l #	51
38) Carbon Tetrachloride	8.224	117	20989	5.443	ug/l #	17
40) Benzene	8.612	78	2430	0.240	ug/l #	88
51) 4-Methyl-2-Pentanone	10.559	43	1917	0.606	ug/l #	1
71) Bromoform	12.835	173	500	0.296	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76208	32.330	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76208	87.471	ug/l #	3

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

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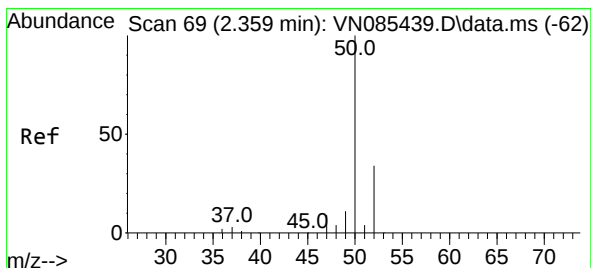
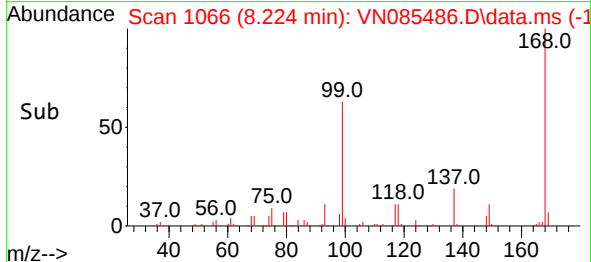
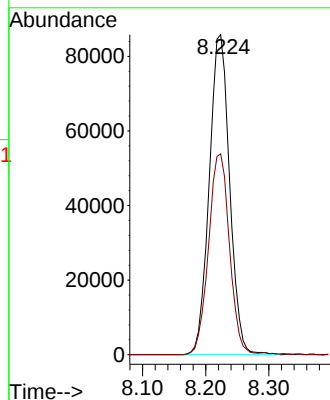
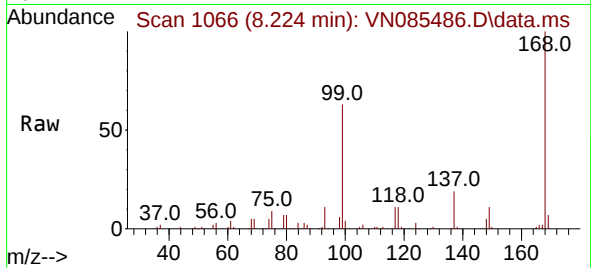




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

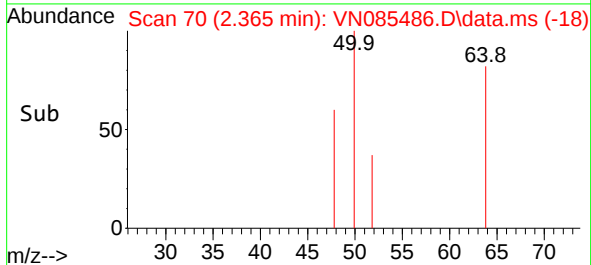
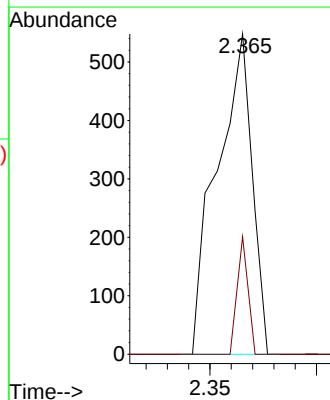
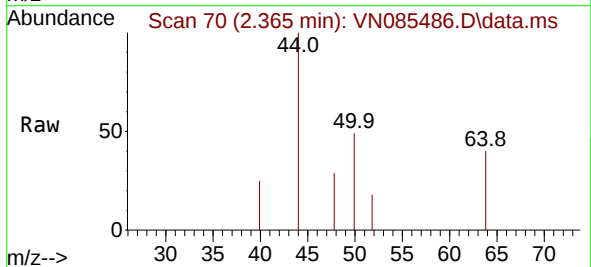
Instrument :
MSVOA_N
ClientSampleId :

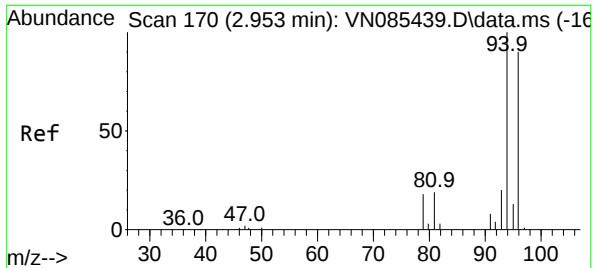
Tgt Ion:168 Resp: 192512
Ion Ratio Lower Upper
168 100
99 62.7 53.6 80.4



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 36.7 27.0 40.6

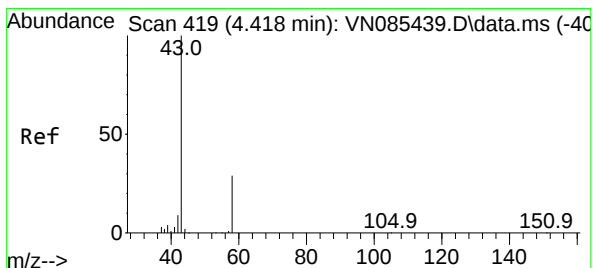
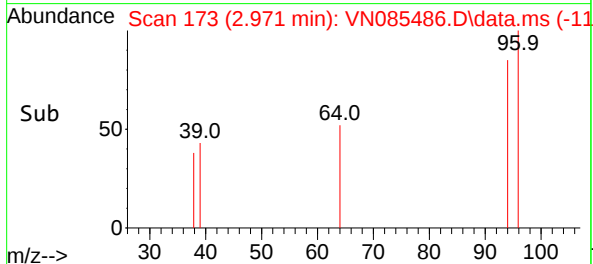
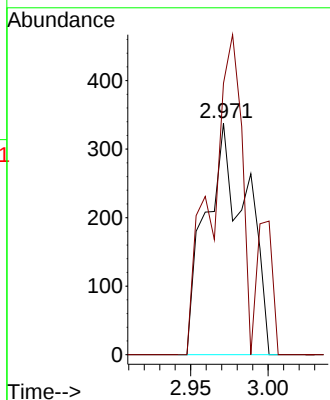
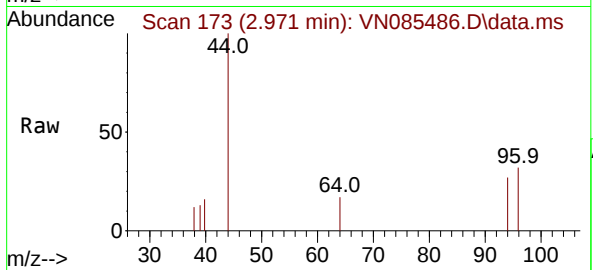




#5
Bromomethane
Concen: 0.362 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

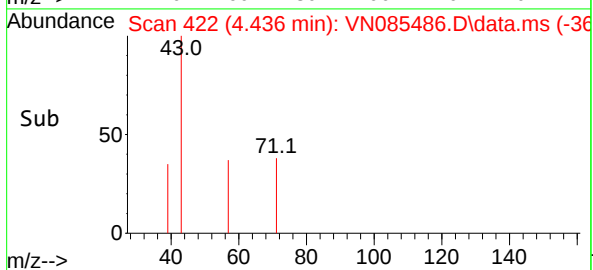
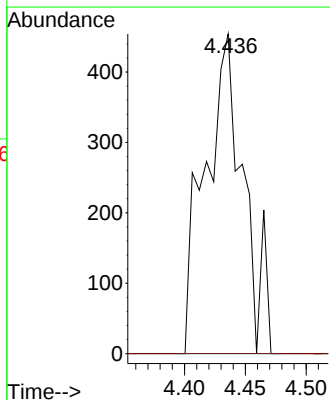
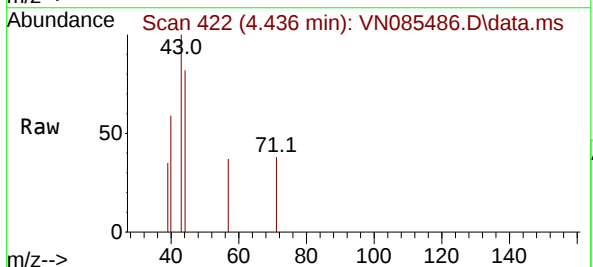
Instrument :
MSVOA_N
ClientSampleId :

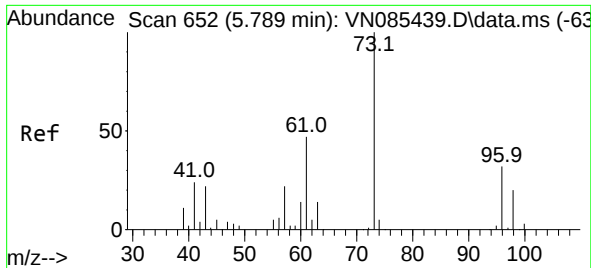
Tgt Ion: 94 Resp: 621
Ion Ratio Lower Upper
94 100
96 117.2 71.8 107.6#



#16
Acetone
Concen: 0.992 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

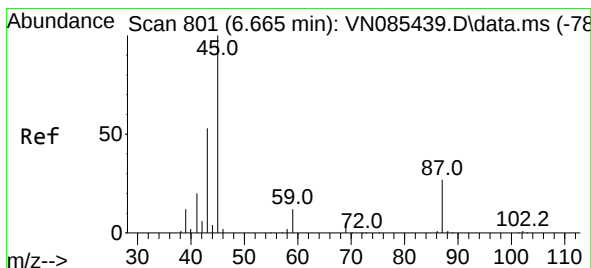
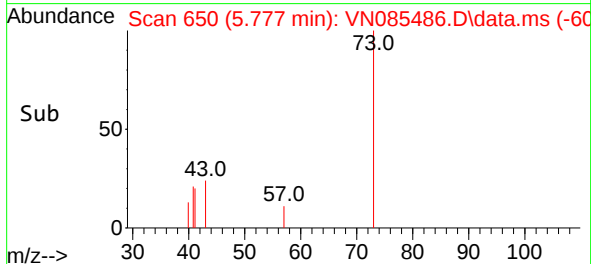
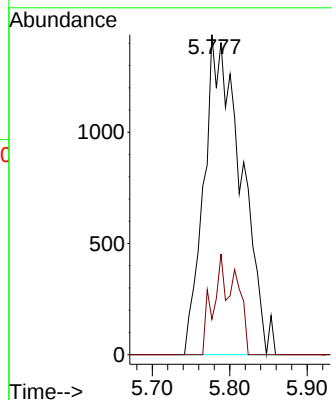
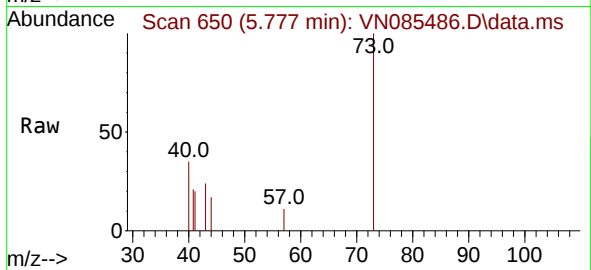




#19
Methyl tert-butyl Ether
Concen: 0.715 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

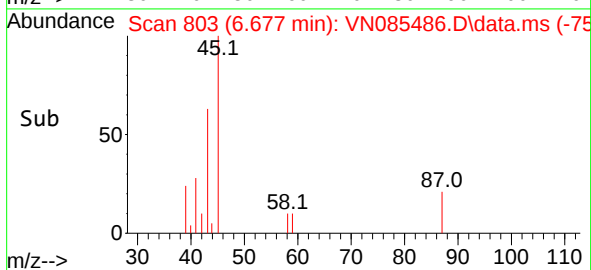
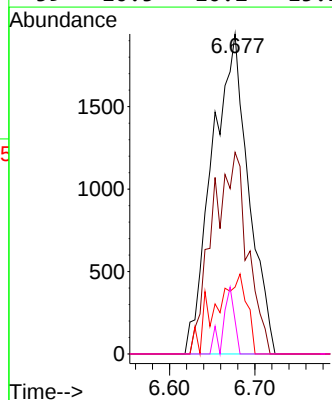
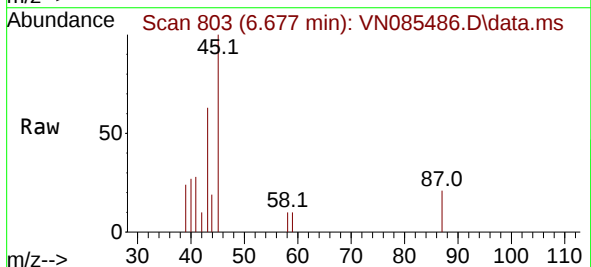
Instrument :
MSVOA_N
ClientSampleId :

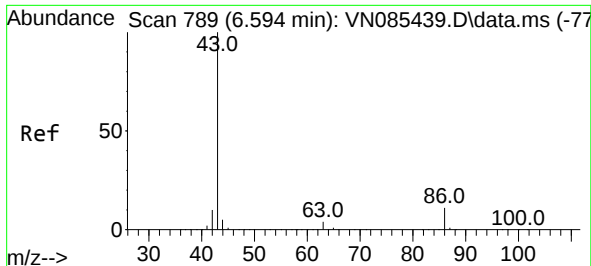
Tgt Ion: 73 Resp: 4797
Ion Ratio Lower Upper
73 100
57 11.0 17.8 26.8#



#22
Diisopropyl ether
Concen: 0.776 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 45 Resp: 5772
Ion Ratio Lower Upper
45 100
43 63.0 45.0 67.6
87 20.9 21.8 32.8#
59 10.5 10.2 15.2

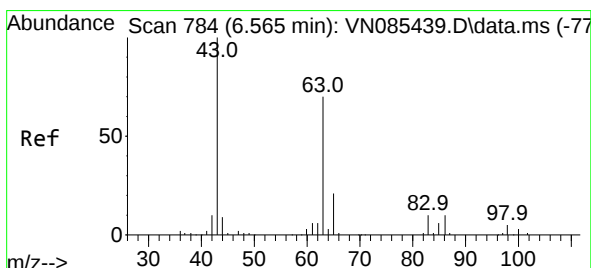
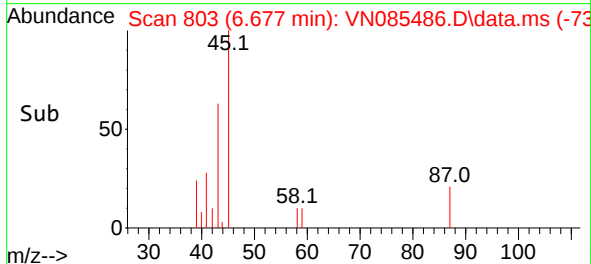
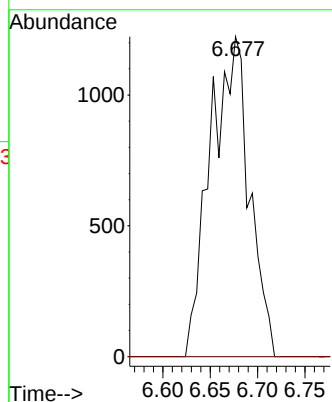
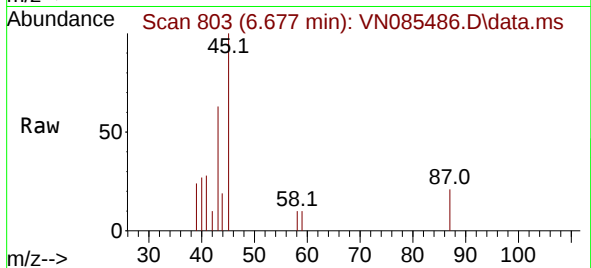




#23
 Vinyl Acetate
 Concen: 0.673 ug/l
 RT: 6.677 min Scan# 801
 Delta R.T. 0.082 min
 Lab File: VN085486.D
 Acq: 17 Jan 2025 12:25

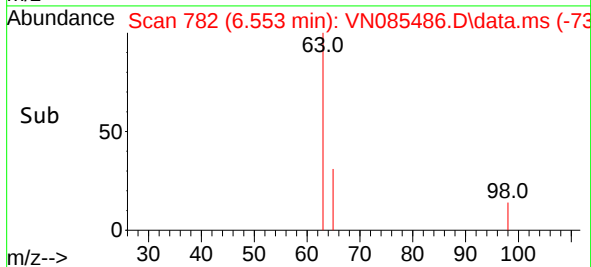
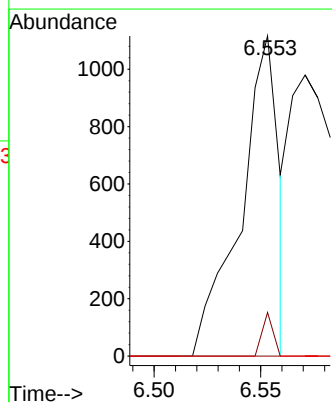
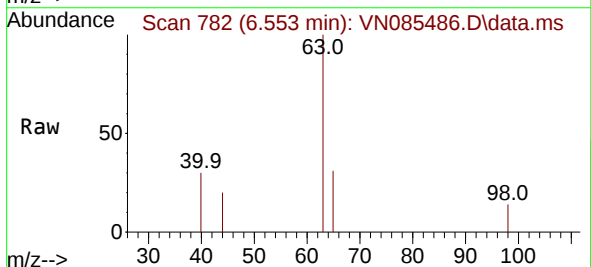
Instrument :
 MSVOA_N
 ClientSampleId :

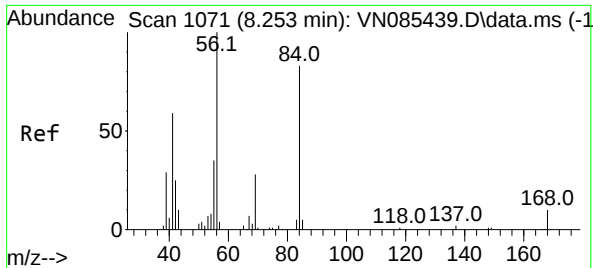
Tgt Ion: 43 Resp: 3507
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#24
 1,1-Dichloroethane
 Concen: 0.307 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.012 min
 Lab File: VN085486.D
 Acq: 17 Jan 2025 12:25

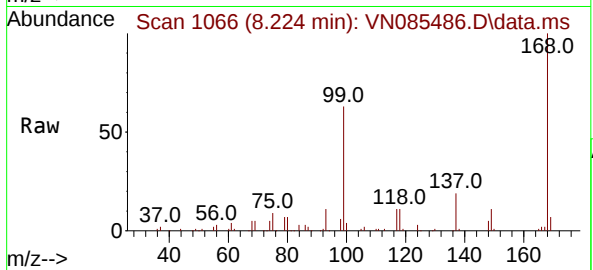
Tgt Ion: 63 Resp: 1392
 Ion Ratio Lower Upper
 63 100
 98 13.6 3.3 9.8#
 100 0.0 2.0 6.0#



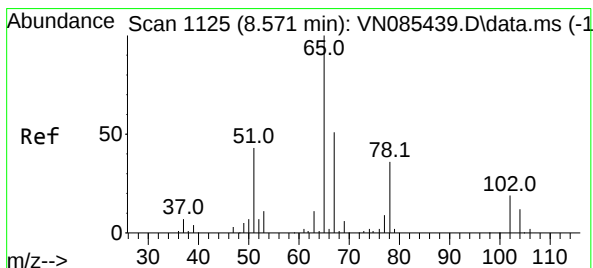
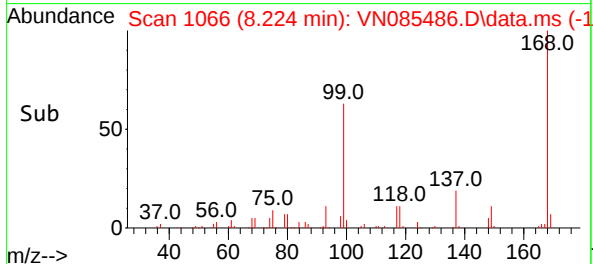
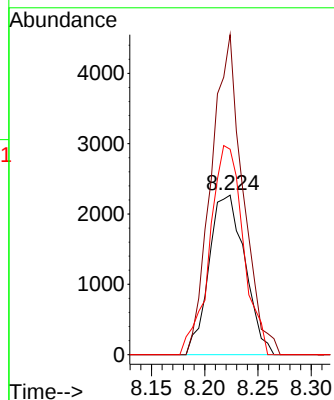


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Instrument :
MSVOA_N
ClientSampleId :

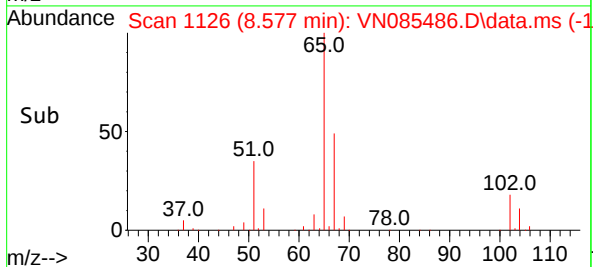
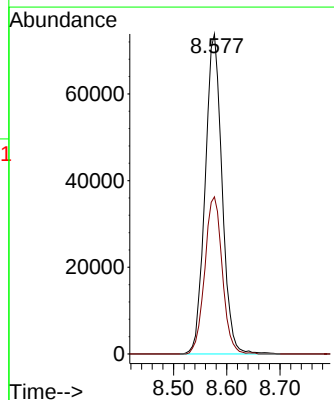
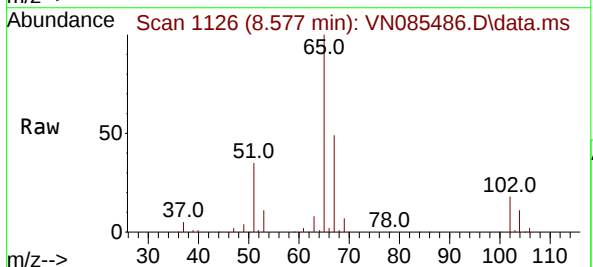


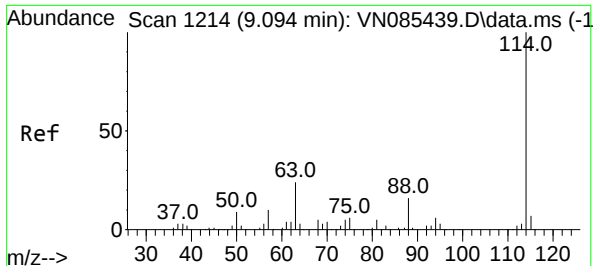
Tgt Ion: 56 Resp: 5308
Ion Ratio Lower Upper
56 100
69 200.7 22.2 33.4#
84 128.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.332 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 65 Resp: 162625
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085486.D

Acq: 17 Jan 2025 12:25

Instrument :

MSVOA_N

ClientSampleId :

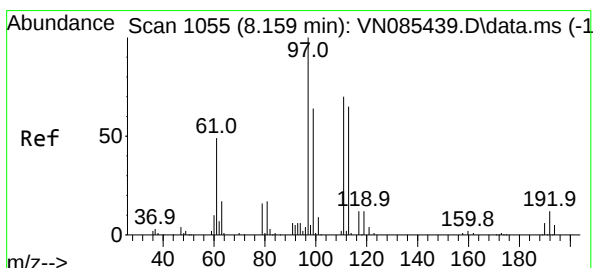
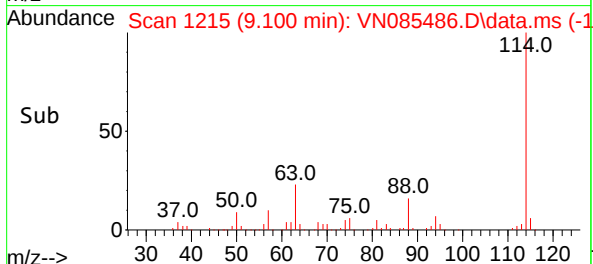
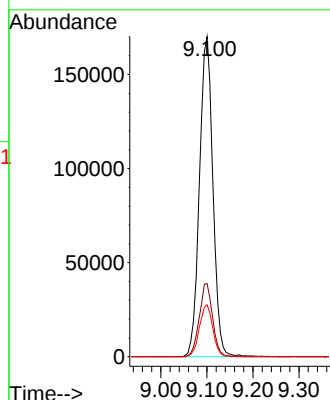
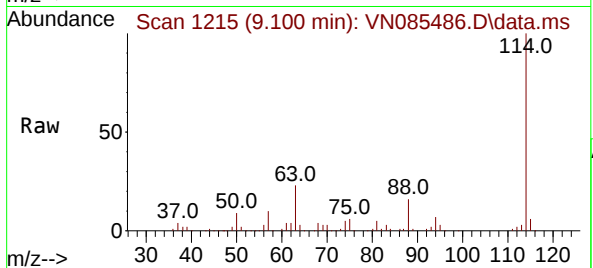
Tgt Ion:114 Resp: 345952

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.043 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085486.D

Acq: 17 Jan 2025 12:25

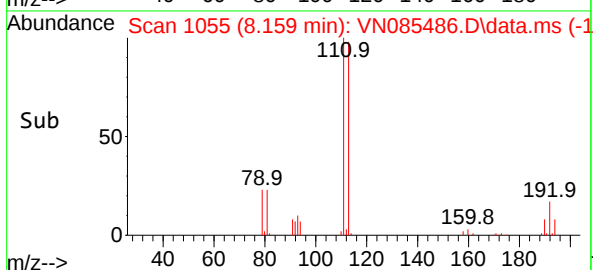
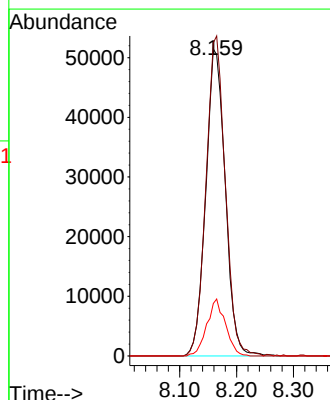
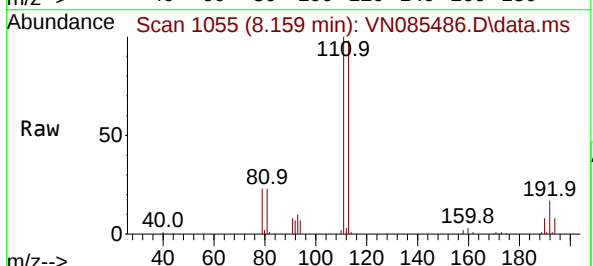
Tgt Ion:113 Resp: 122506

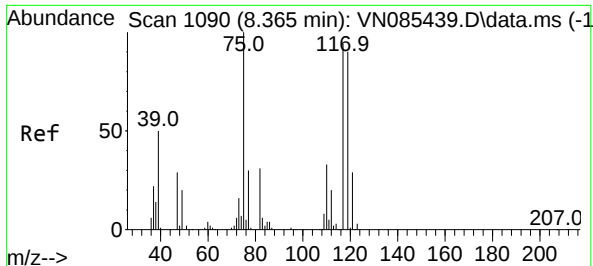
Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

192 17.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.409 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

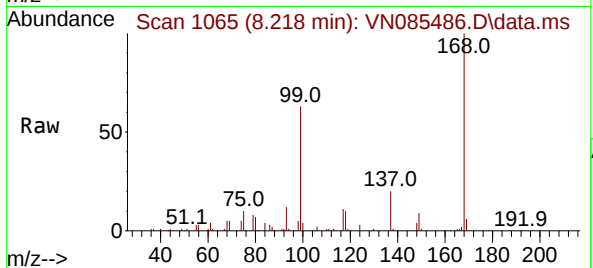
Lab File: VN085486.D

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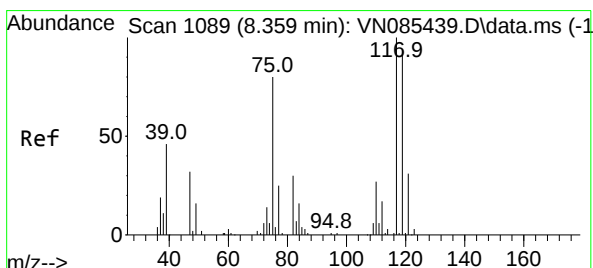
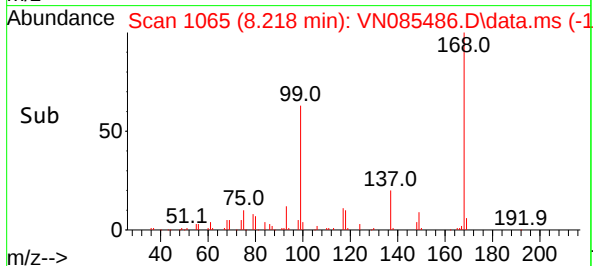
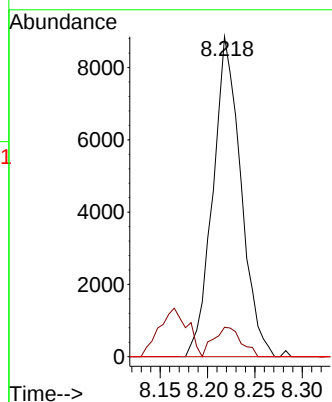
Tgt Ion: 75 Resp: 18221

Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN085486.D

Acq: 17 Jan 2025 12:25

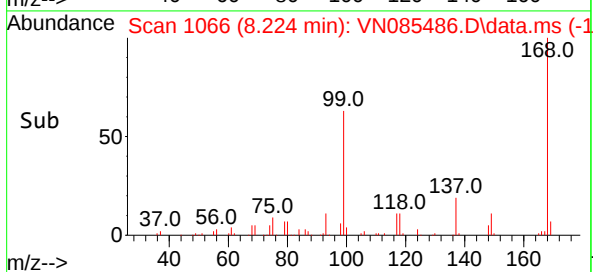
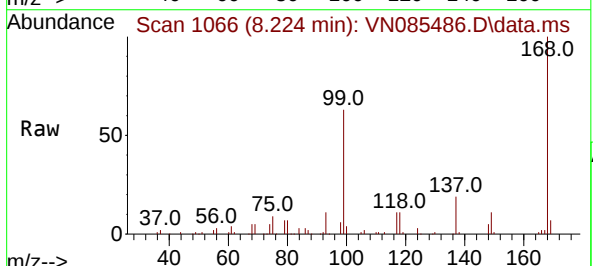
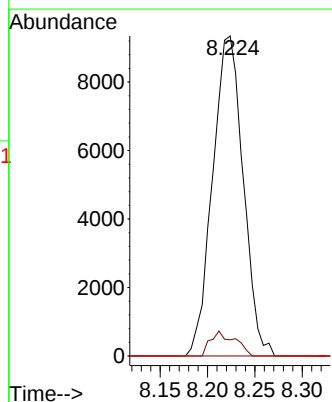
Tgt Ion: 117 Resp: 20989

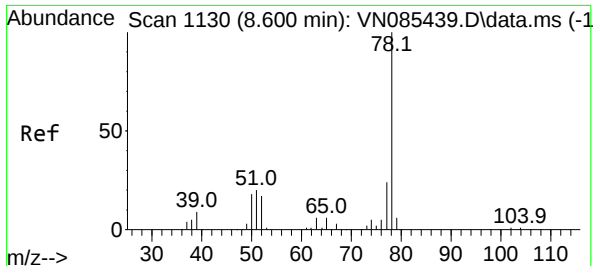
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.2#

121 0.0 24.6 37.0#

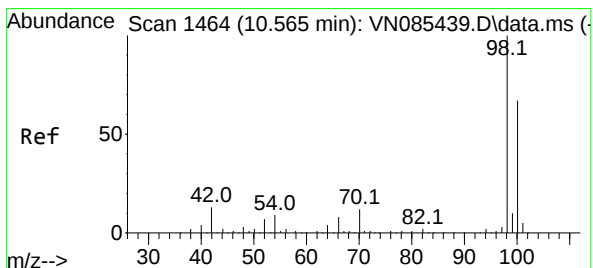
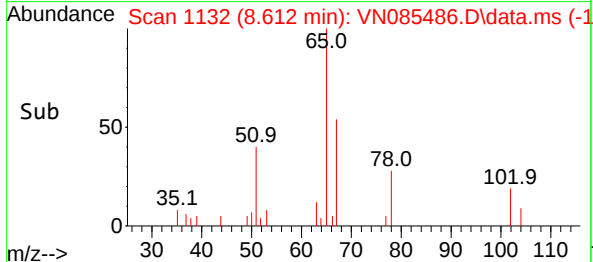
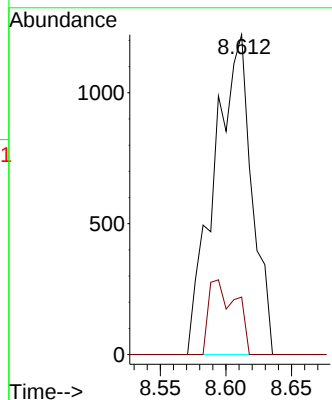
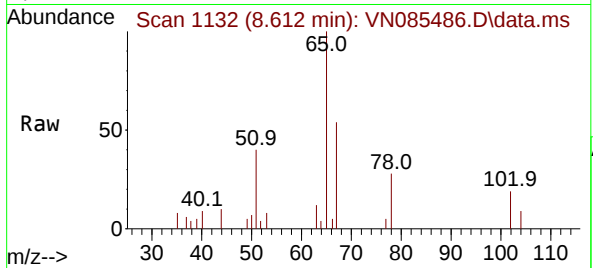




#40
Benzene
Concen: 0.240 ug/l
RT: 8.612 min Scan# 1130
Delta R.T. 0.012 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

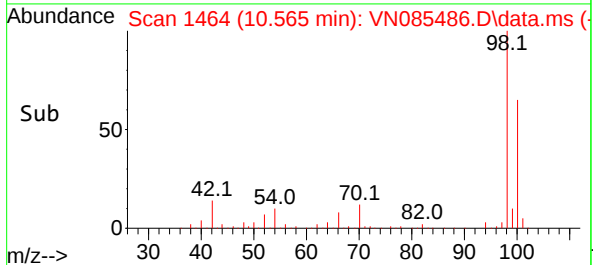
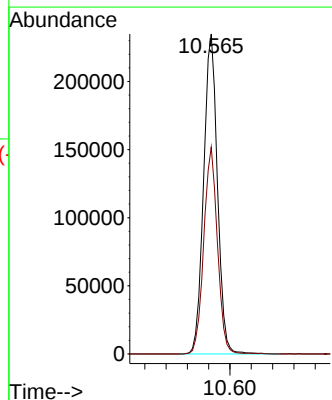
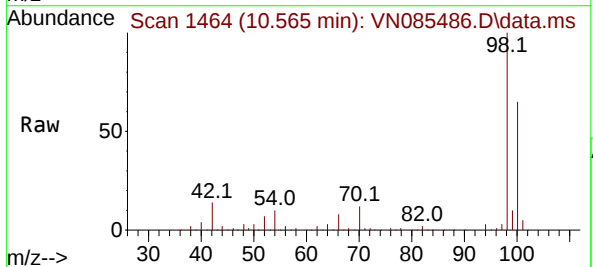
Instrument :
MSVOA_N
ClientSampleId :

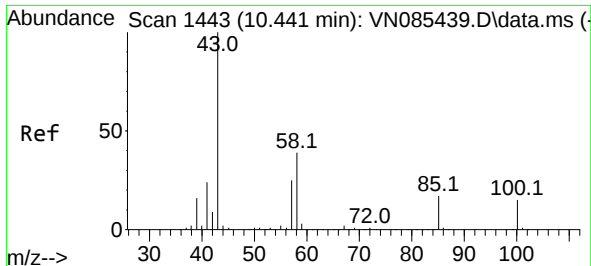
Tgt Ion: 78 Resp: 2430
Ion Ratio Lower Upper
78 100
77 18.0 19.0 28.6#



#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 98 Resp: 422660
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4

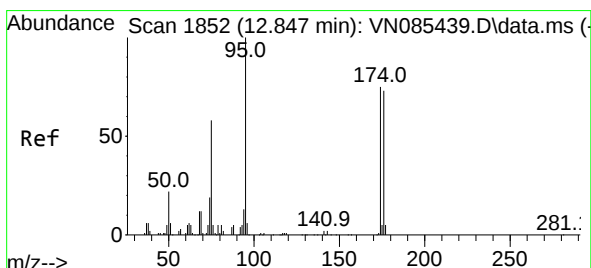
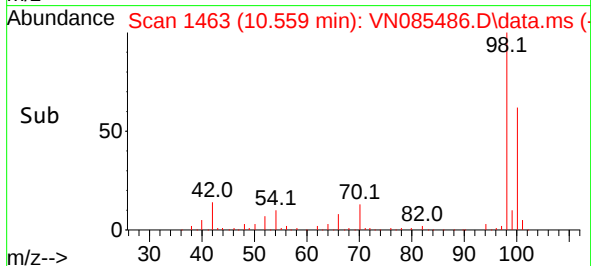
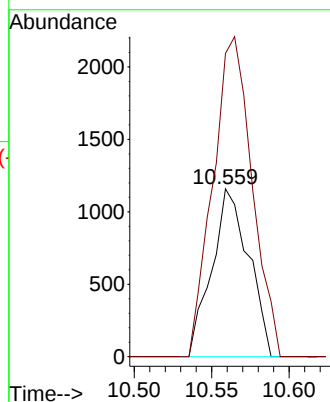
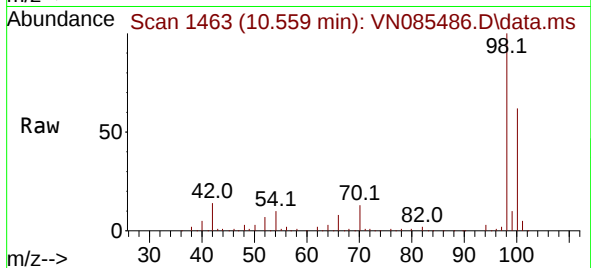




#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

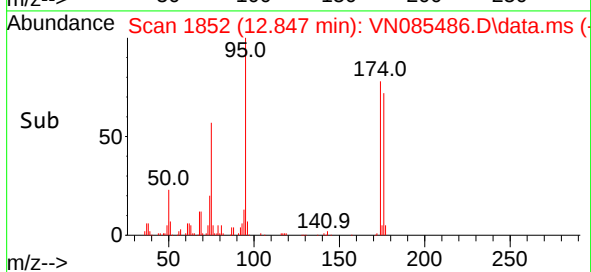
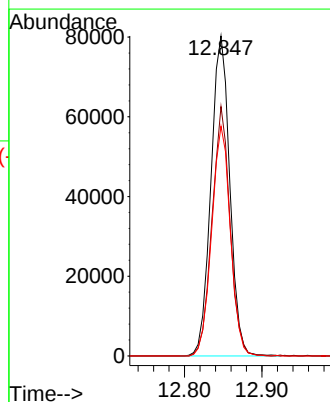
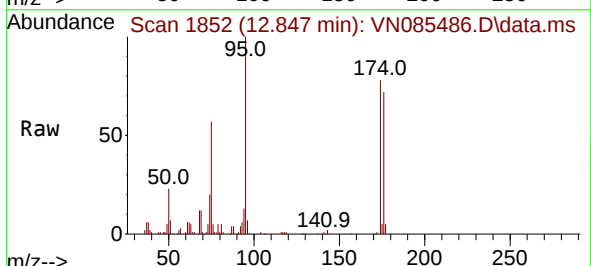
Instrument :
MSVOA_N
ClientSampleId :

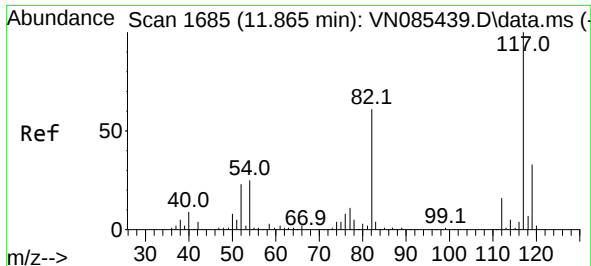
Tgt Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
58 202.6 30.5 45.7#



#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion: 95 Resp: 135339
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.0
176 71.5 0.0 142.4

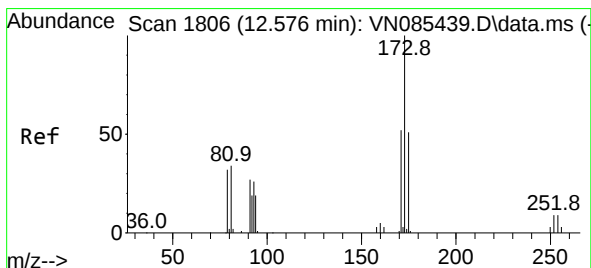
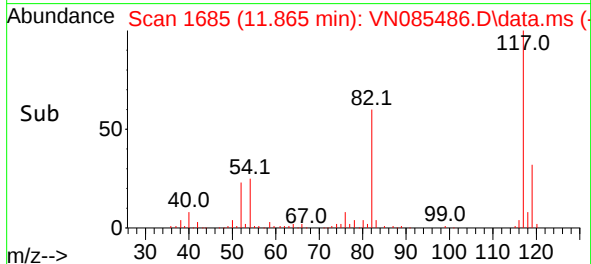
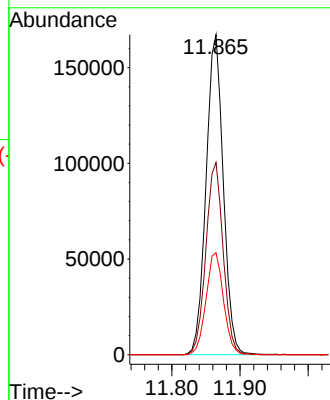
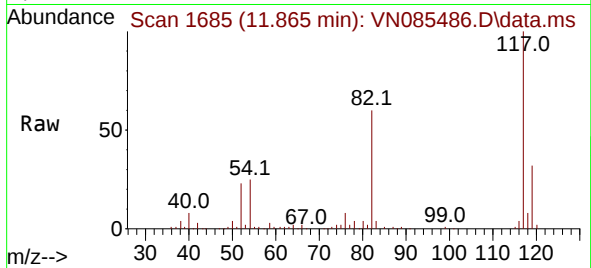




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

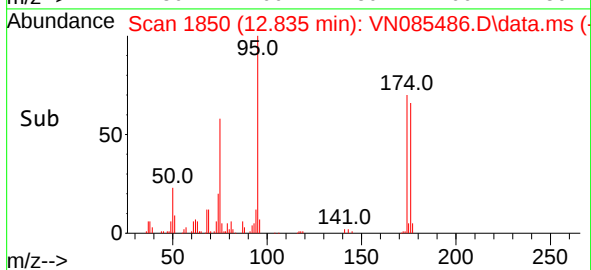
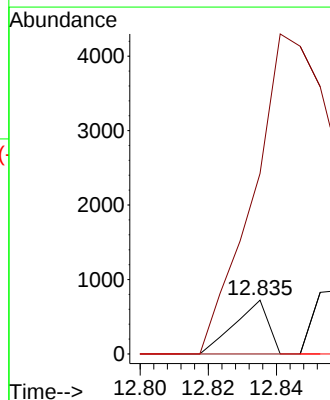
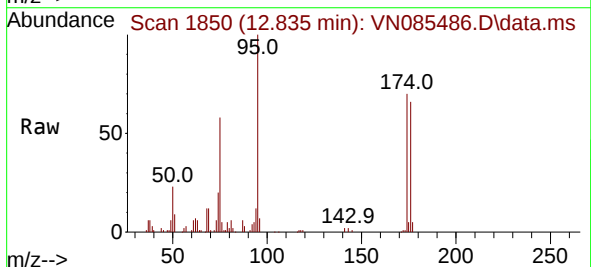
Instrument :
MSVOA_N
ClientSampleId :

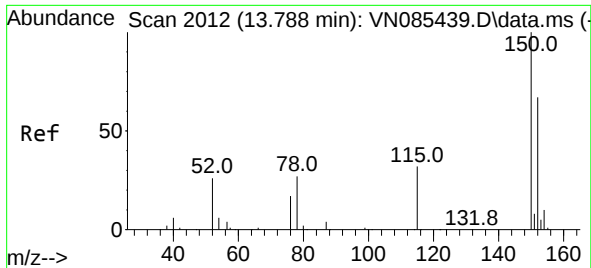
Tgt Ion:117 Resp: 293896
Ion Ratio Lower Upper
117 100
82 60.1 48.6 72.8
119 31.9 26.6 39.8



#71
Bromoform
Concen: 0.296 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN085486.D
Acq: 17 Jan 2025 12:25

Tgt Ion:173 Resp: 500
Ion Ratio Lower Upper
173 100
175 1184.2 24.4 73.2#
254 0.0 0.0 0.0

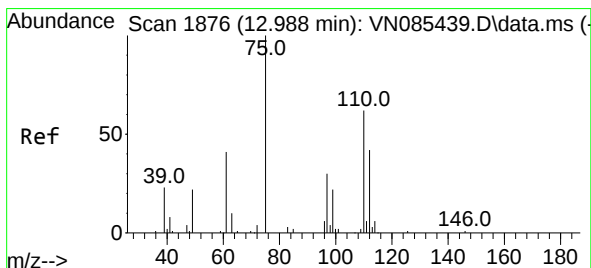
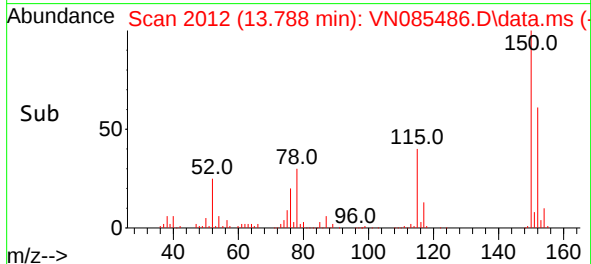
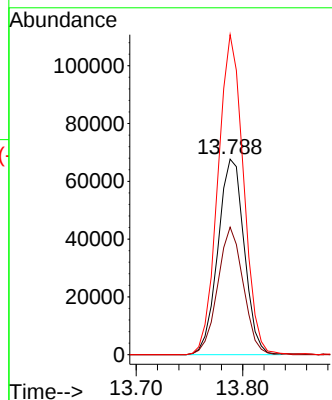
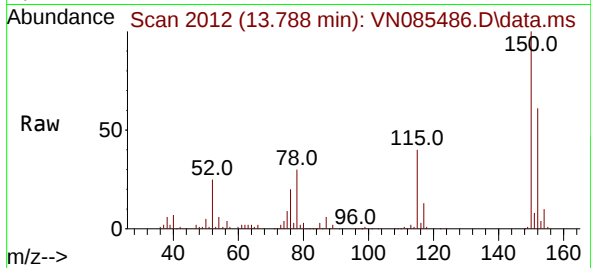




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085486.D
 Acq: 17 Jan 2025 12:25

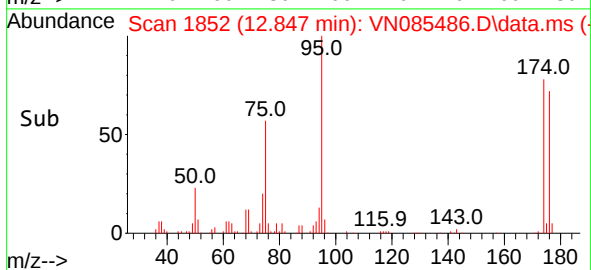
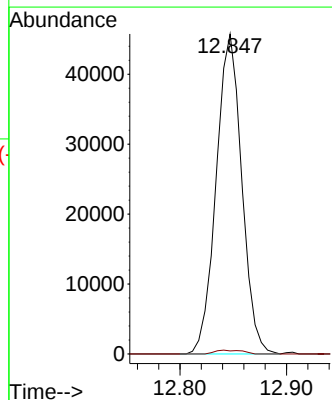
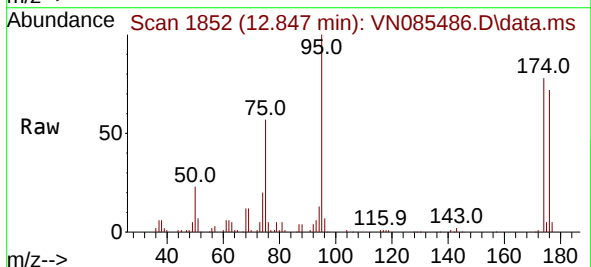
Instrument :
 MSVOA_N
 ClientSampleId :

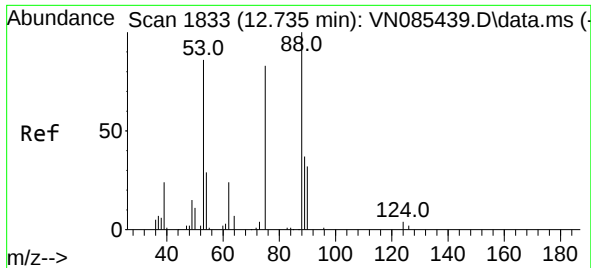
Tgt Ion:152 Resp: 115974
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.1 93.3
 150 159.3 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 32.330 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085486.D
 Acq: 17 Jan 2025 12:25

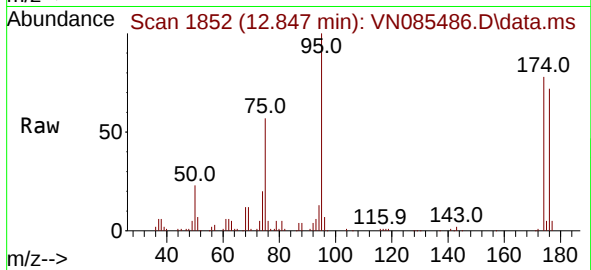
Tgt Ion: 75 Resp: 76208
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.471 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085486.D
 Acq: 17 Jan 2025 12:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 76208
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.6 143.4#
 89 0.0 37.0 55.6#

