

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085857.D
 Acq On : 25 Feb 2025 15:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 25 23:39:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	269557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	498499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	475400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	209435	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	196215	56.146	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.300%
35) Dibromofluoromethane	8.165	113	169945	52.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.200%
50) Toluene-d8	10.565	98	626560	52.794	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.847	95	227568	58.198	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.400%

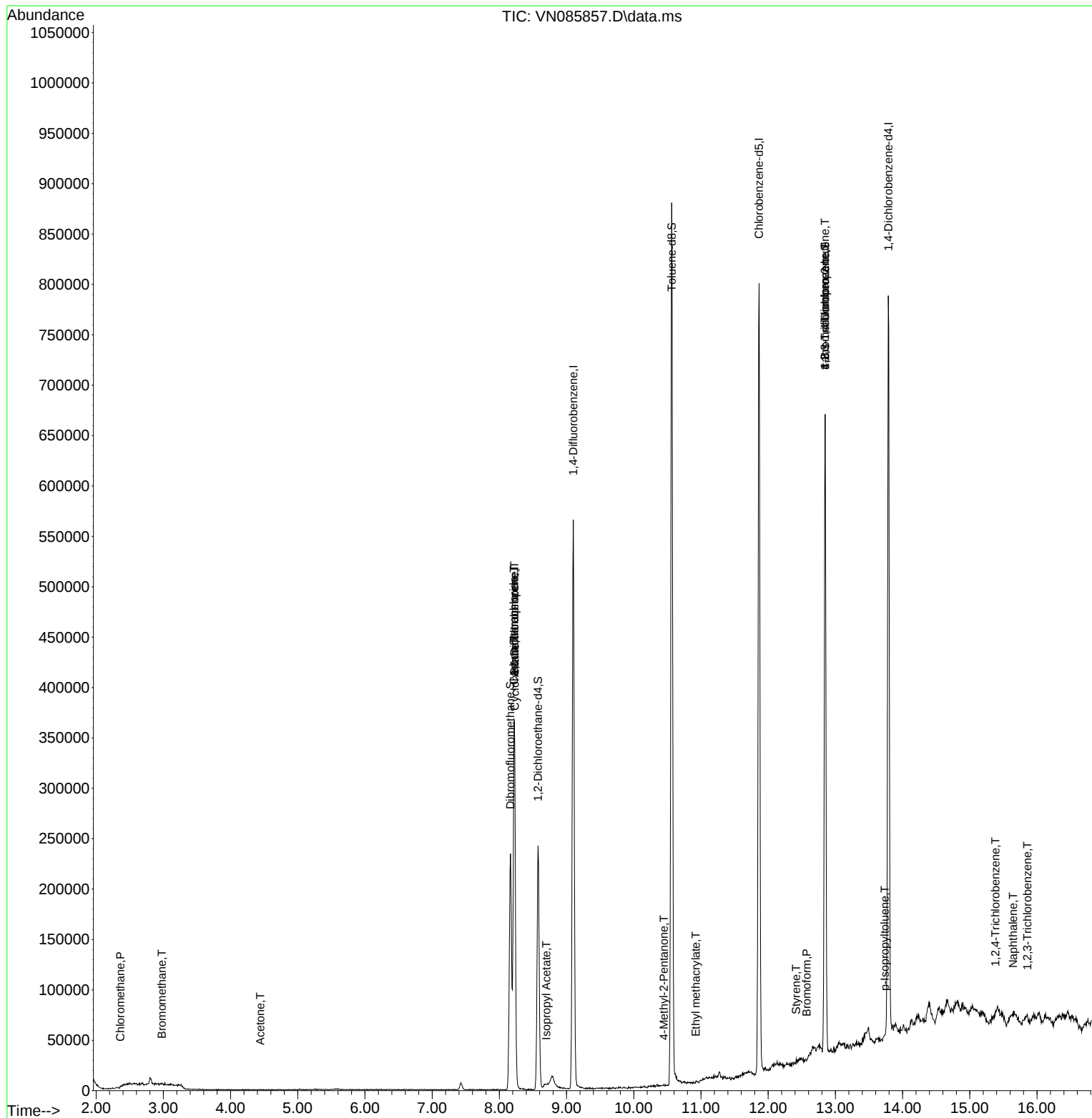
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.359	50	812	0.221	ug/l	93
5) Bromomethane	2.977	94	814	0.327	ug/l #	75
16) Acetone	4.442	43	318	0.288	ug/l #	40
31) Cyclohexane	8.230	56	5607	1.123	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	21606	4.680	ug/l #	50
38) Carbon Tetrachloride	8.218	117	28467	5.190	ug/l #	19
43) Isopropyl Acetate	8.700	43	5203	0.237	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	1532	0.418	ug/l #	33
56) Ethyl methacrylate	10.924	69	523	0.578	ug/l #	69
70) Styrene	12.418	104	218	0.605	ug/l #	26
71) Bromoform	12.570	173	692	0.238	ug/l #	27
76) 1,2,3-Trichloropropane	12.847	75	113869	24.476	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	113869	71.415	ug/l #	13
86) p-Isopropyltoluene	13.735	119	223	0.644	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.382	180	758	0.228	ug/l #	44
95) Naphthalene	15.647	128	3848	0.421	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.858	180	970	0.290	ug/l #	18

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

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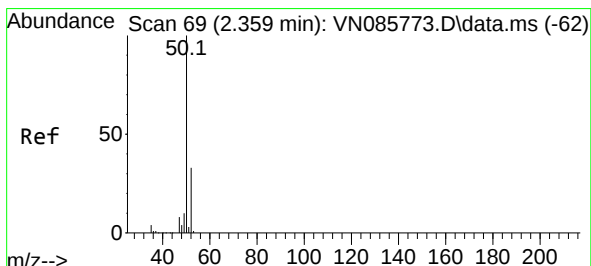
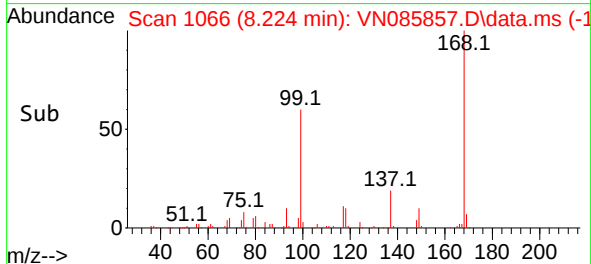
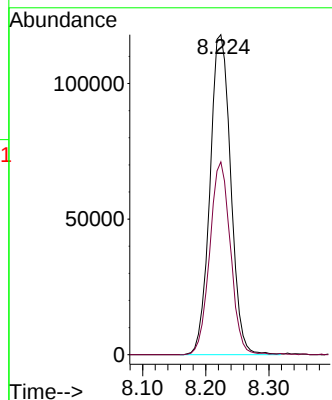
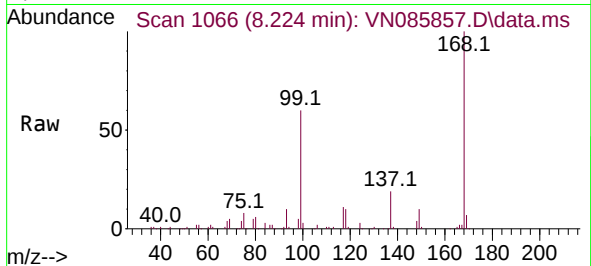




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

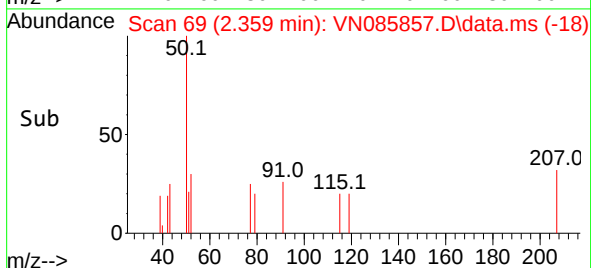
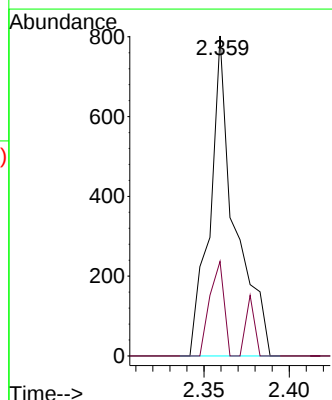
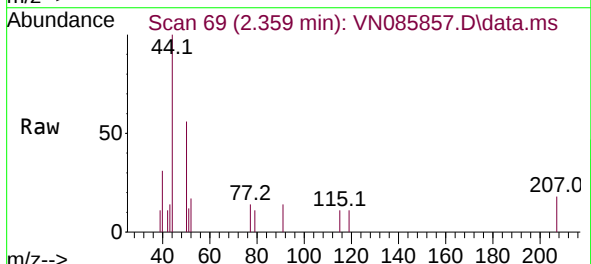
Instrument :
MSVOA_N
ClientSampleId :
IBLK

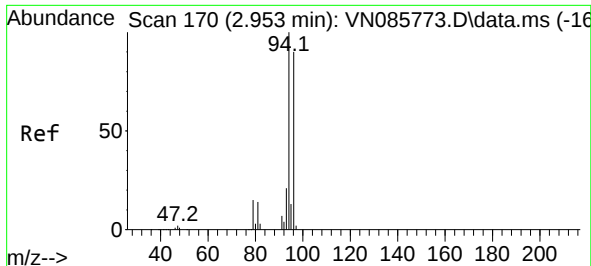
Tgt Ion:168 Resp: 269557
Ion Ratio Lower Upper
168 100
99 60.3 47.9 71.9



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 29.6 26.7 40.1

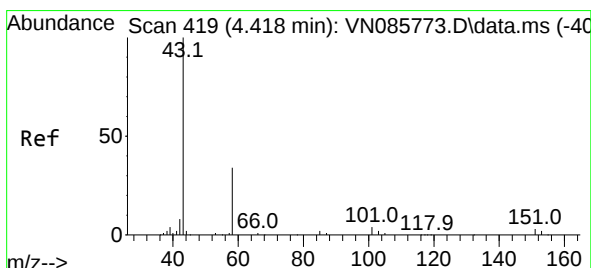
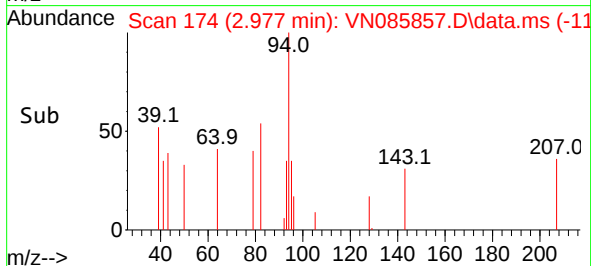
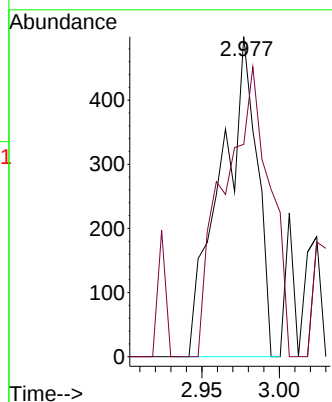
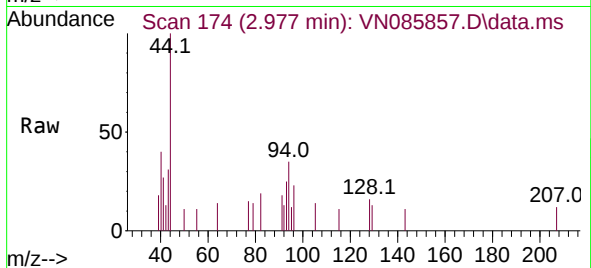




#5
Bromomethane
Concen: 0.327 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

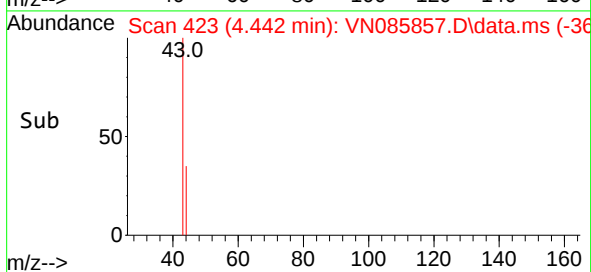
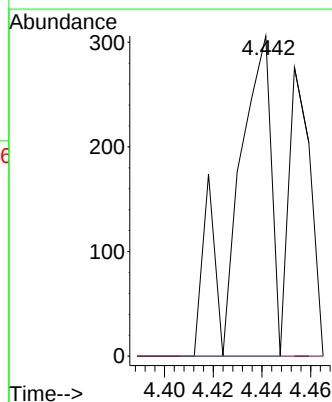
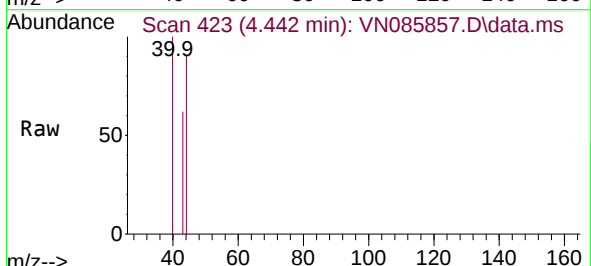
Instrument :
MSVOA_N
ClientSampleId :
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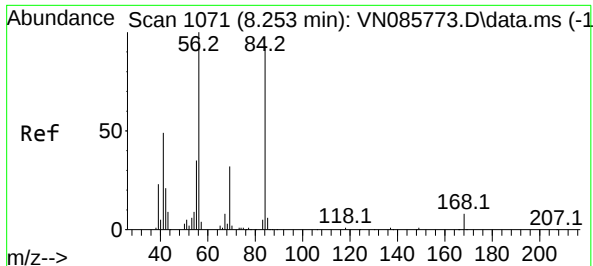
Tgt Ion: 94 Resp: 814
Ion Ratio Lower Upper
94 100
96 66.3 71.7 107.5#



#16
Acetone
Concen: 0.288 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

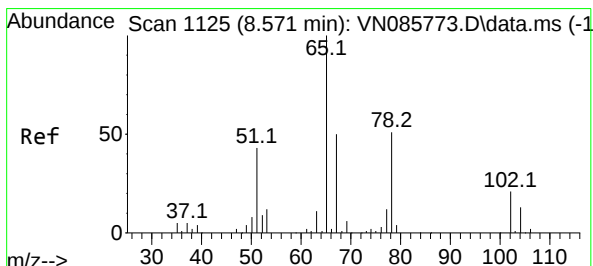
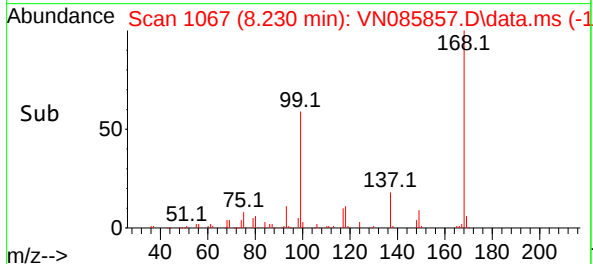
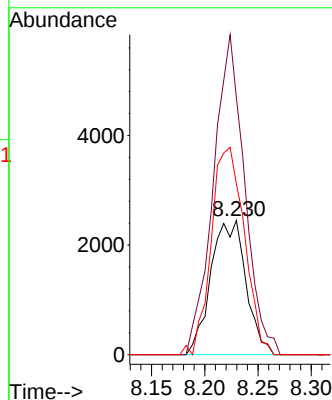
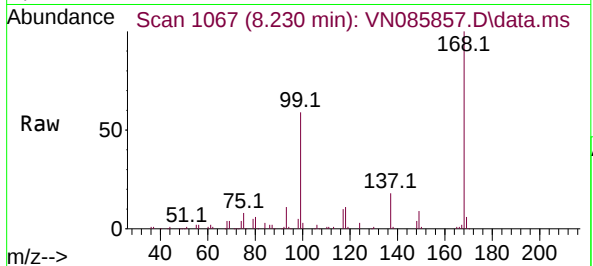




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

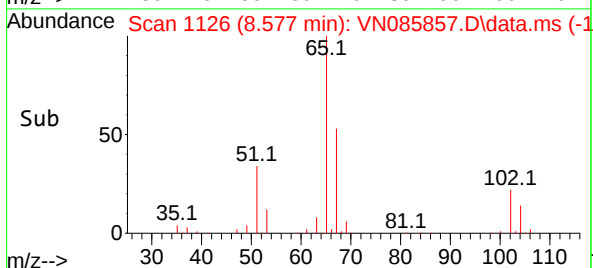
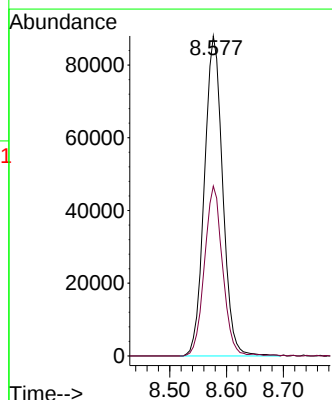
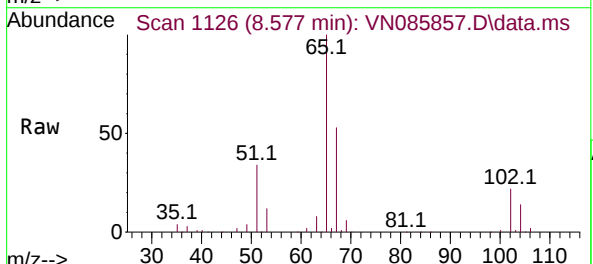
Instrument :
MSVOA_N
ClientSampleId :
IBLK

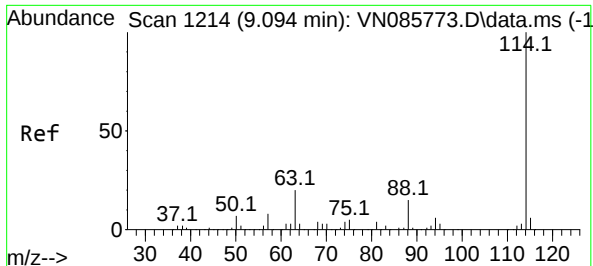
Tgt Ion: 56 Resp: 5607
Ion Ratio Lower Upper
56 100
69 191.5 25.8 38.6#
84 127.3 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 56.146 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 65 Resp: 196215
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

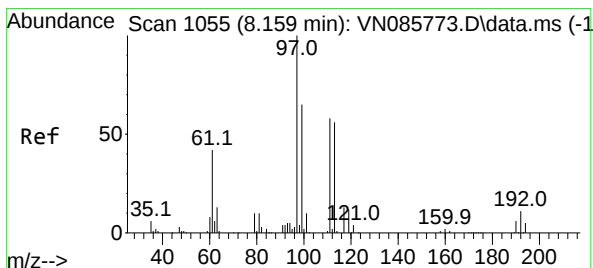
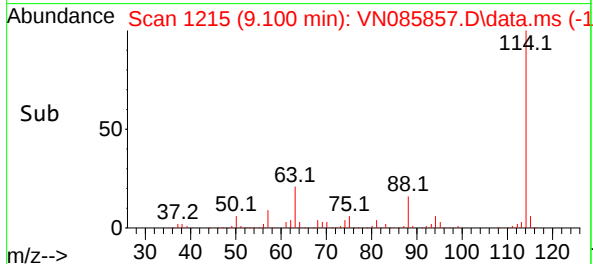
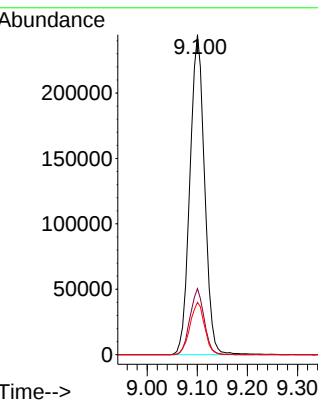
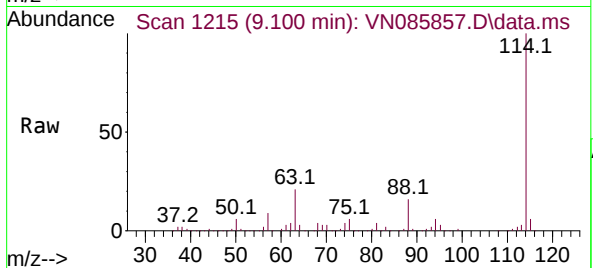
Tgt Ion:114 Resp: 498499

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 16.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.099 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

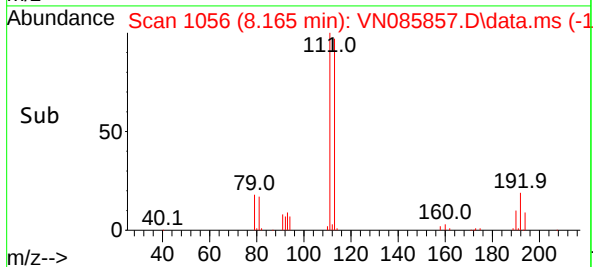
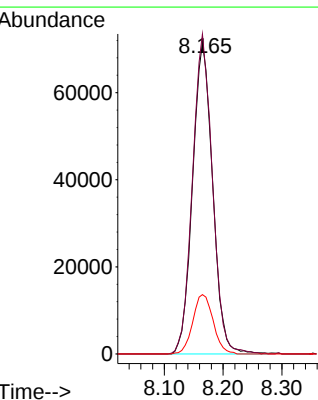
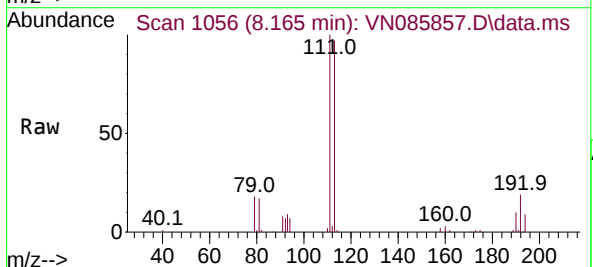
Tgt Ion:113 Resp: 169945

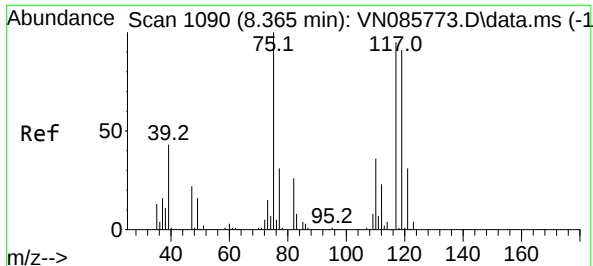
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

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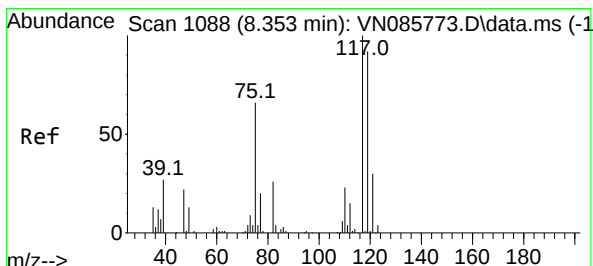
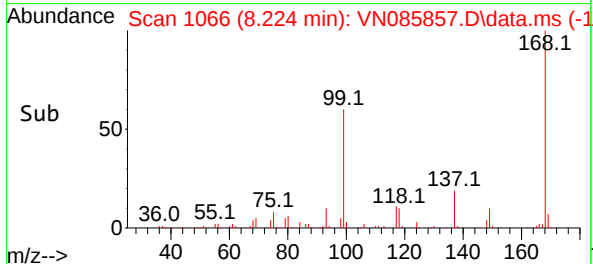
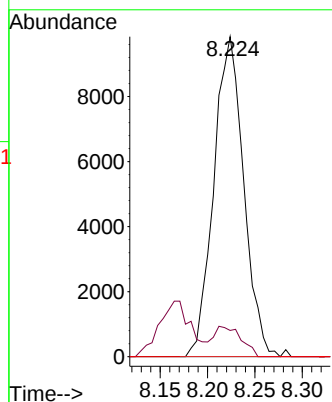
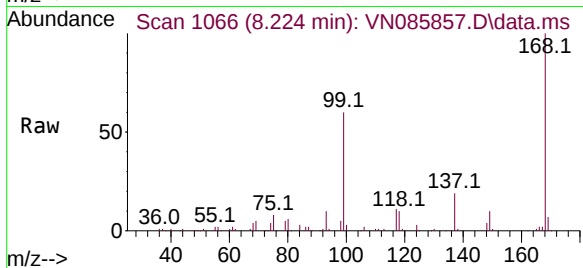
Tgt Ion: 75 Resp: 21606

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.190 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

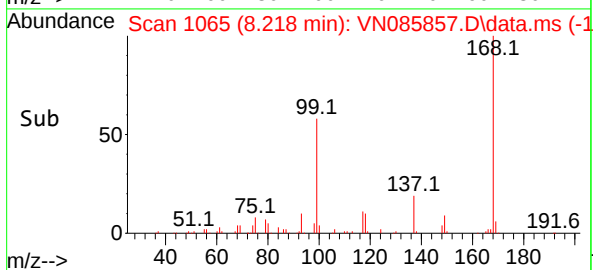
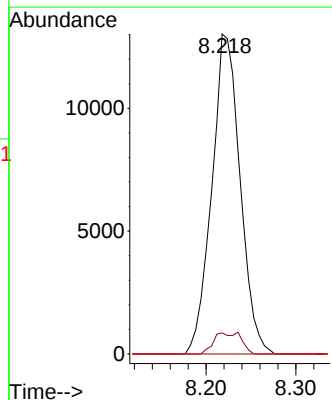
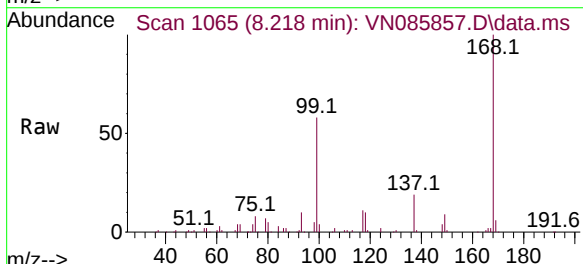
Tgt Ion: 117 Resp: 28467

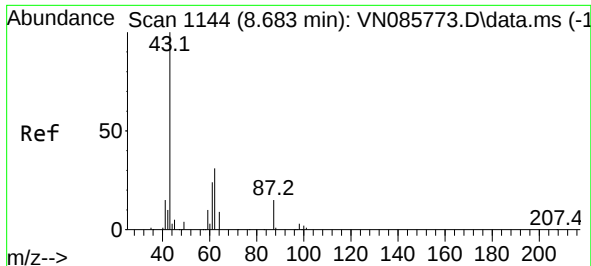
Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.6#

121 0.0 24.3 36.5#

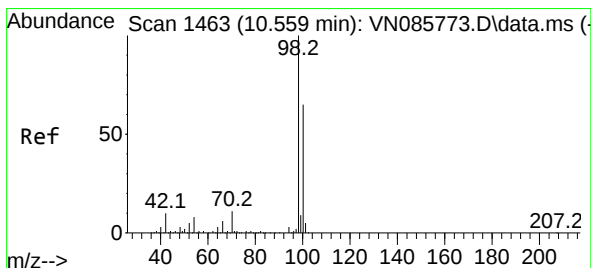
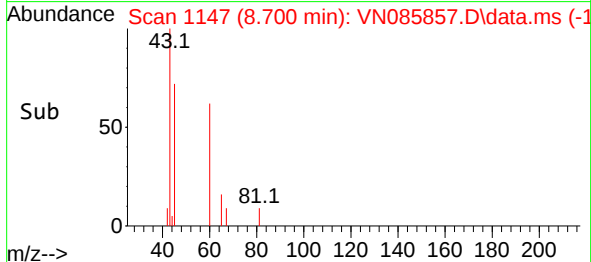
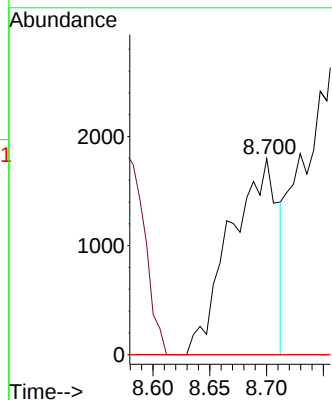
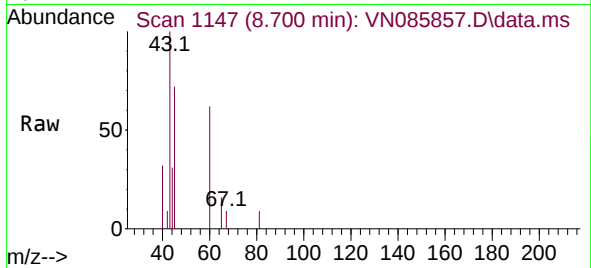




#43
Isopropyl Acetate
Concen: 0.237 ug/l
RT: 8.700 min Scan# 1144
Delta R.T. 0.017 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

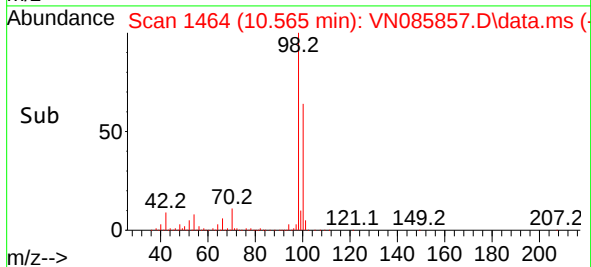
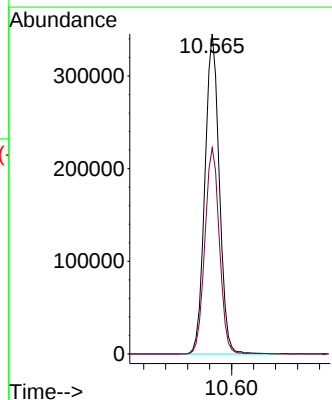
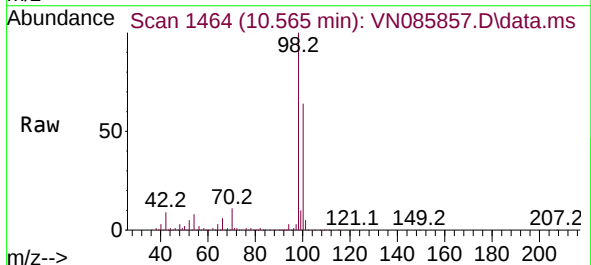
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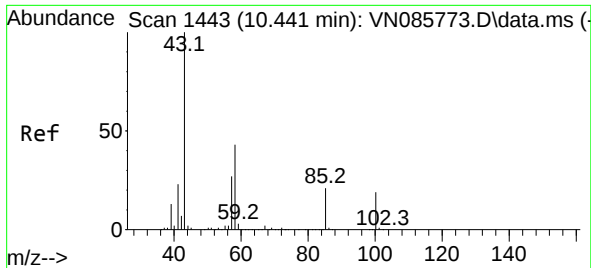
Tgt Ion: 43 Resp: 5203
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 52.794 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 98 Resp: 626560
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

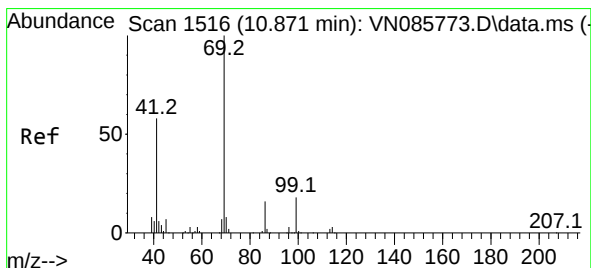
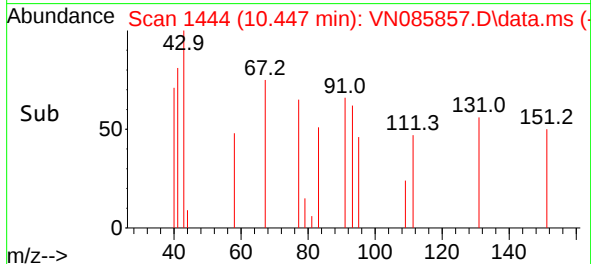
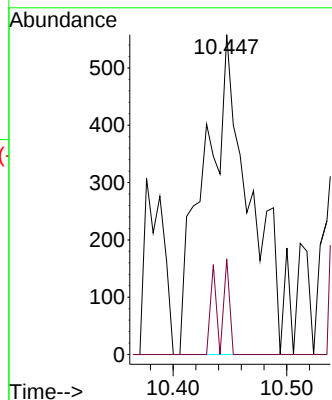
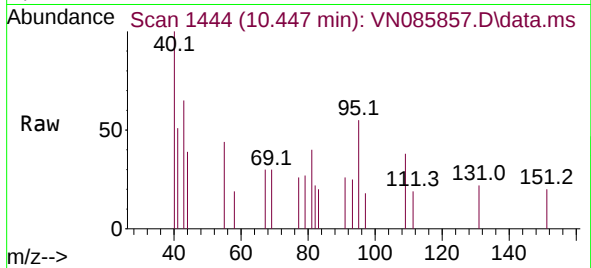




#51
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

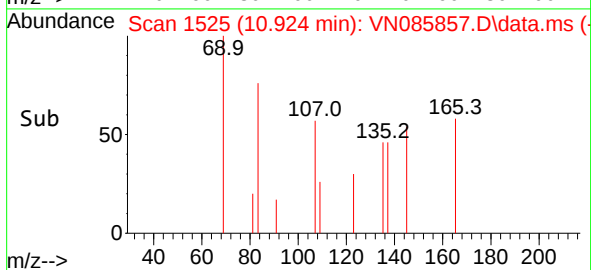
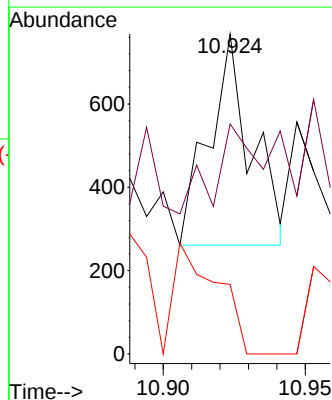
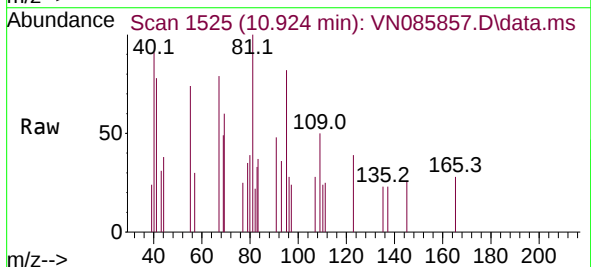
Instrument :
MSVOA_N
ClientSampleId :
IBLK

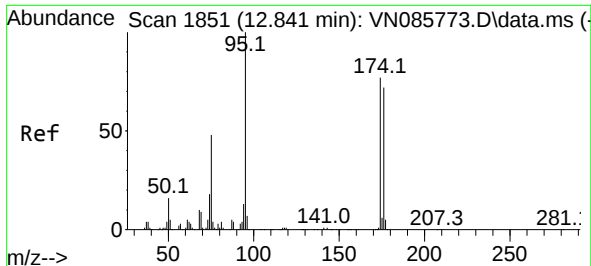
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
58 0.0 34.6 52.0#



#56
Ethyl methacrylate
Concen: 0.578 ug/l
RT: 10.924 min Scan# 1525
Delta R.T. 0.053 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 69 Resp: 523
Ion Ratio Lower Upper
69 100
41 41.5 46.0 69.0#
39 53.7 22.0 33.0#

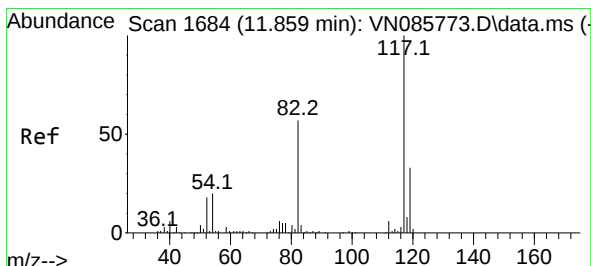
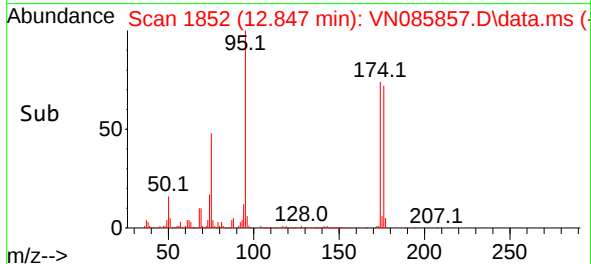
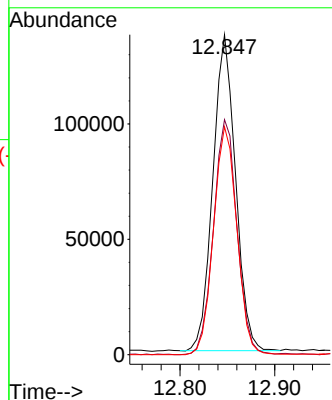
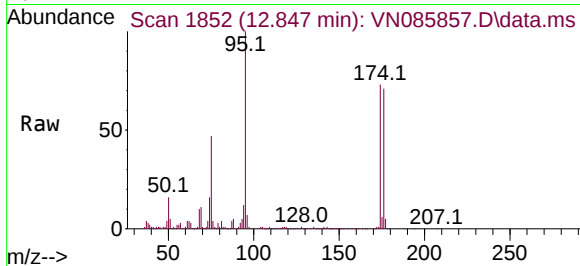




#62
4-Bromofluorobenzene
Concen: 58.198 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

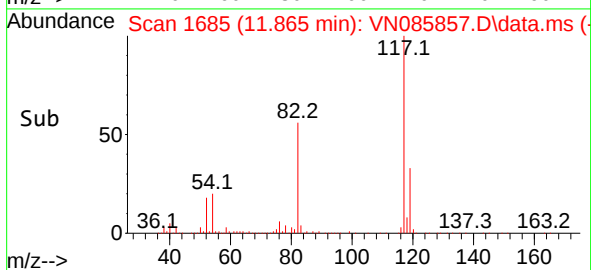
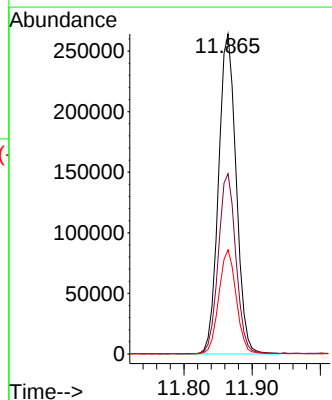
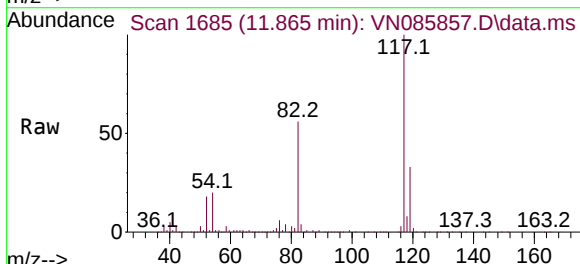
Instrument :
MSVOA_N
ClientSampleId :
IBLK

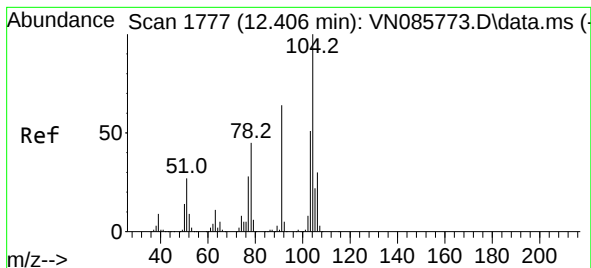
Tgt Ion: 95 Resp: 227568
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.4
176 74.4 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 117 Resp: 475400
Ion Ratio Lower Upper
117 100
82 56.2 45.7 68.5
119 32.5 26.2 39.2





#70

Styrene

Concen: 0.605 ug/l

RT: 12.418 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

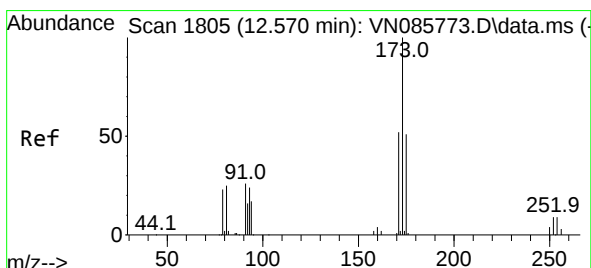
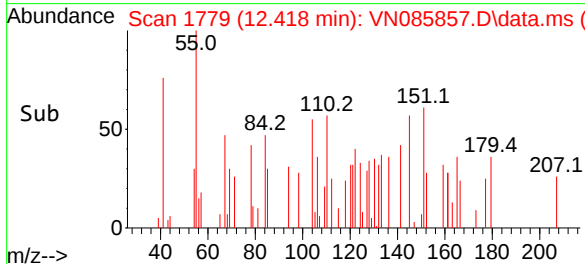
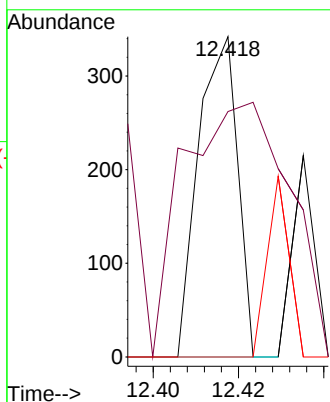
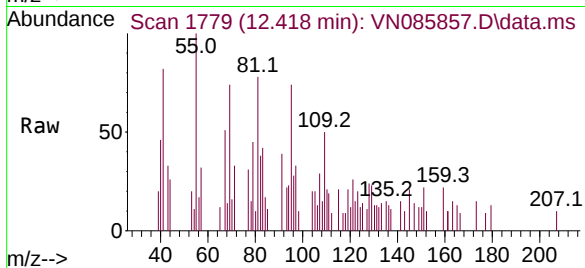
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	104	Resp:	218
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.0	58.6#
103	0.0	43.3	64.9#



#71

Bromoform

Concen: 0.238 ug/l

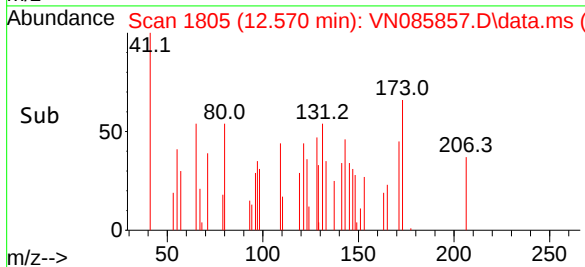
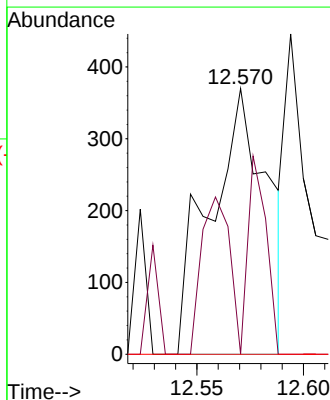
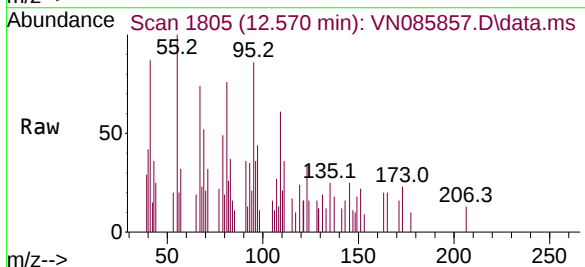
RT: 12.570 min Scan# 1805

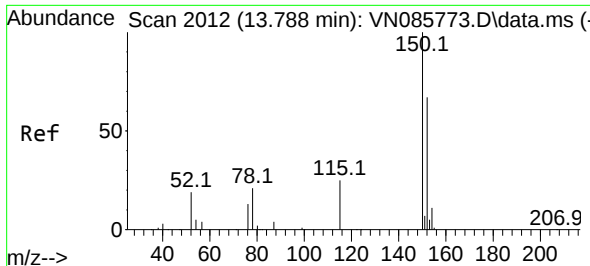
Delta R.T. -0.000 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

Tgt Ion:	173	Resp:	692
Ion Ratio	Lower	Upper	
173	100		
175	0.0	25.1	75.4#
254	0.0	0.0	0.0

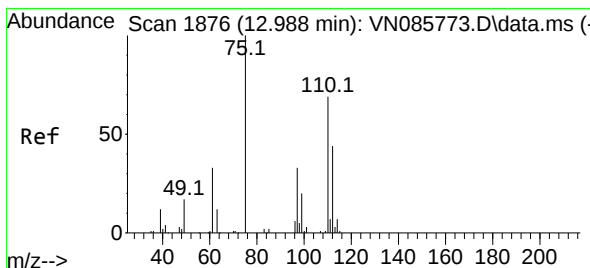
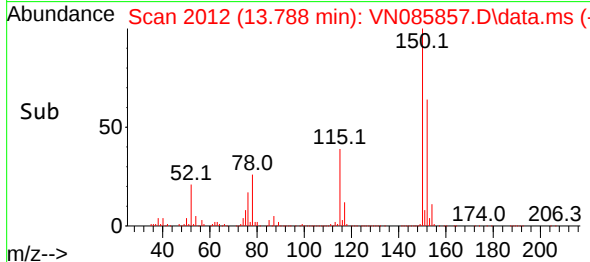
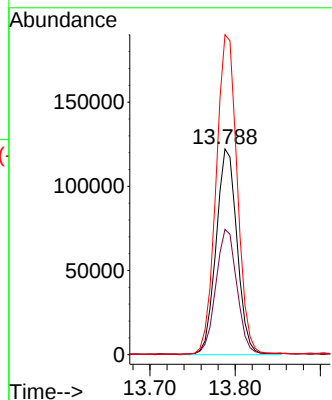
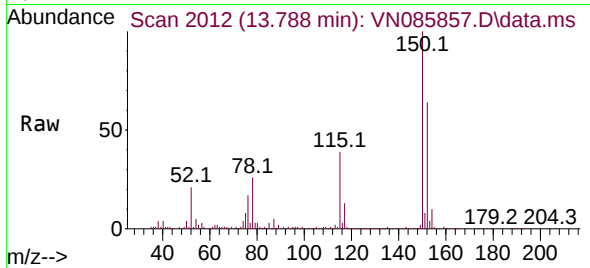




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085857.D
 Acq: 25 Feb 2025 15:13

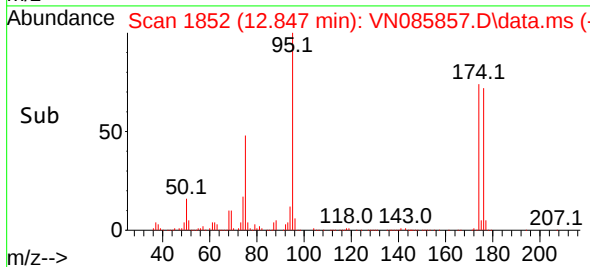
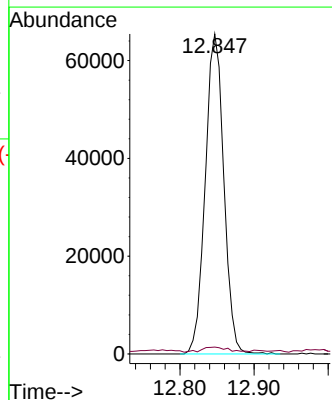
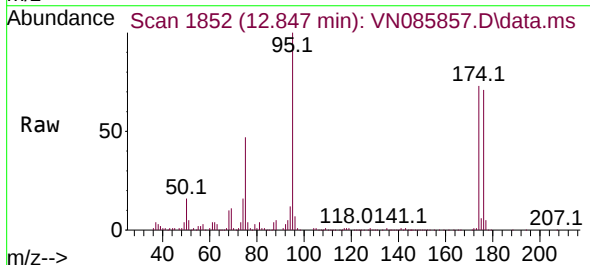
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

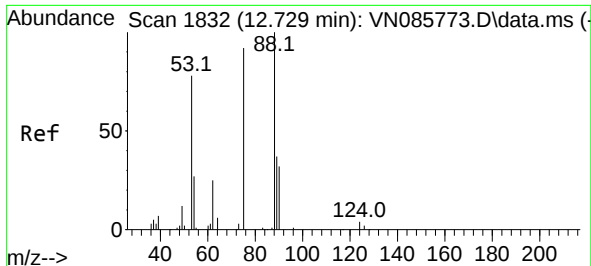
Tgt Ion:152 Resp: 209435
 Ion Ratio Lower Upper
 152 100
 115 61.2 30.4 91.3
 150 156.5 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 24.476 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085857.D
 Acq: 25 Feb 2025 15:13

Tgt Ion: 75 Resp: 113869
 Ion Ratio Lower Upper
 75 100
 77 2.4 100.0 300.0#

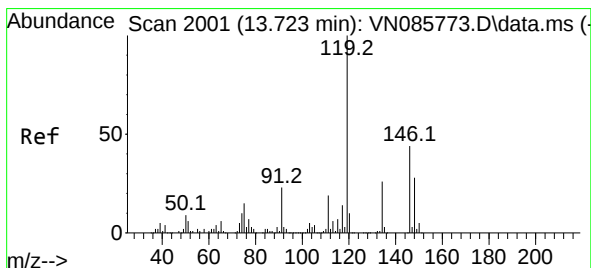
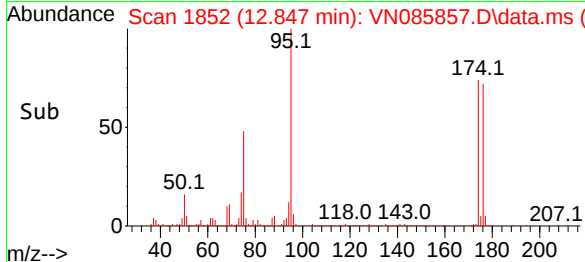
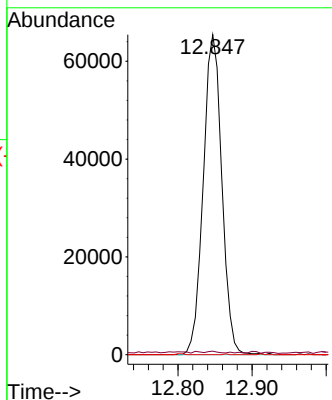
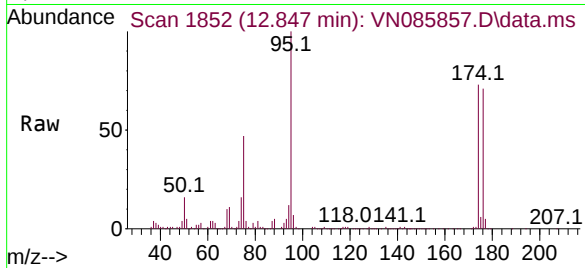




#81
trans-1,4-Dichloro-2-butene
Concen: 71.415 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

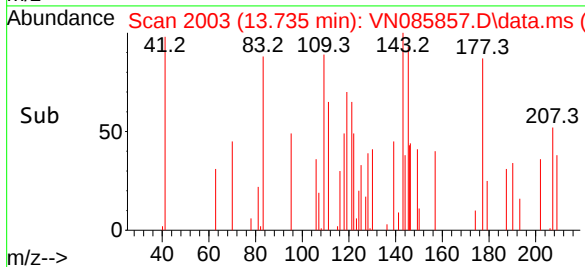
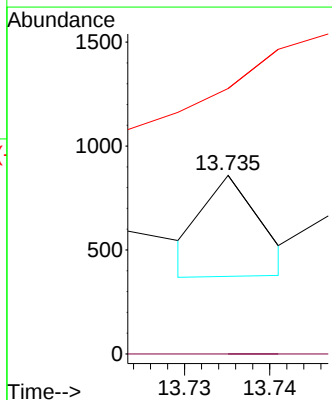
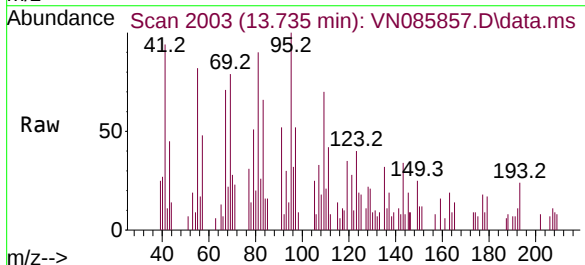
Instrument :
MSVOA_N
ClientSampleId :
IBLK

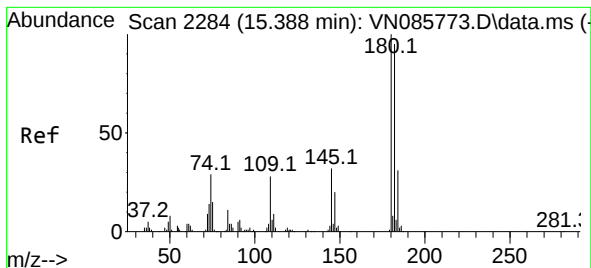
Tgt Ion: 75 Resp: 113869
Ion Ratio Lower Upper
75 100
53 0.4 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.644 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.012 min
Lab File: VN085857.D
Acq: 25 Feb 2025 15:13

Tgt Ion: 119 Resp: 223
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.228 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

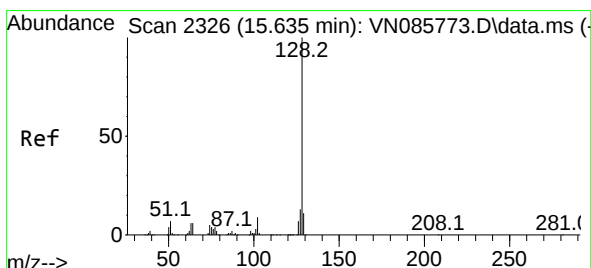
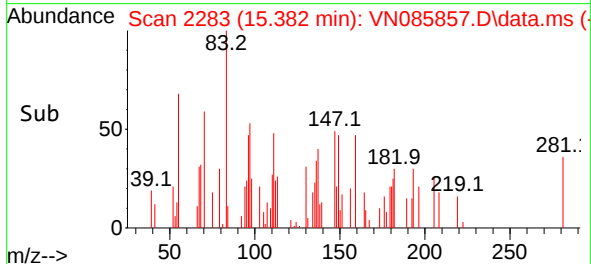
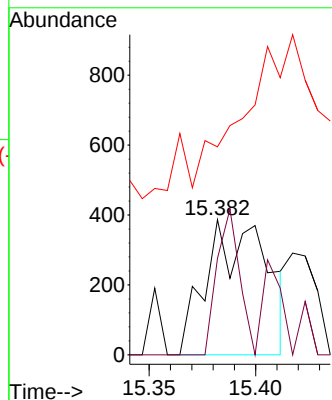
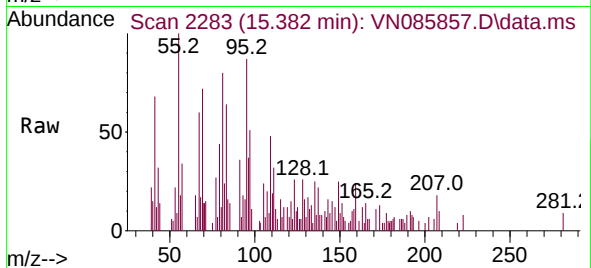
Tgt Ion:180 Resp: 758

Ion Ratio Lower Upper

180 100

182 40.5 47.3 141.9#

145 0.0 16.2 48.5#



#95

Naphthalene

Concen: 0.421 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.012 min

Lab File: VN085857.D

Acq: 25 Feb 2025 15:13

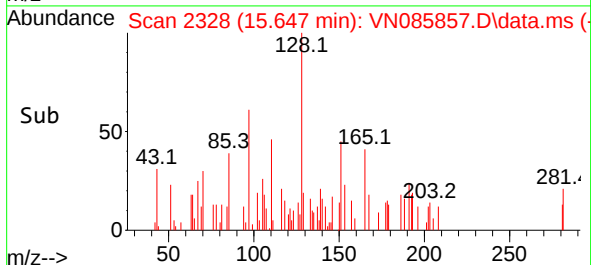
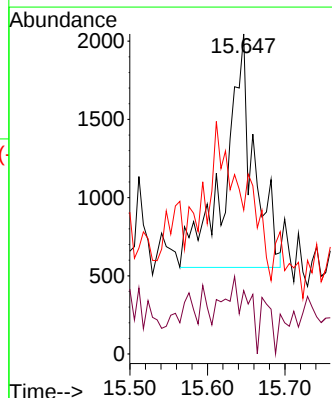
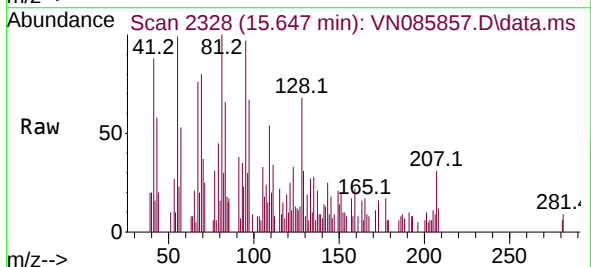
Tgt Ion:128 Resp: 3848

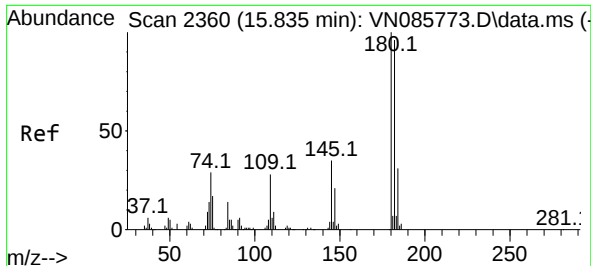
Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.2#

129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.290 ug/l

RT: 15.858 min Scan# 21

Delta R.T. 0.023 min

Lab File: VN085857.D

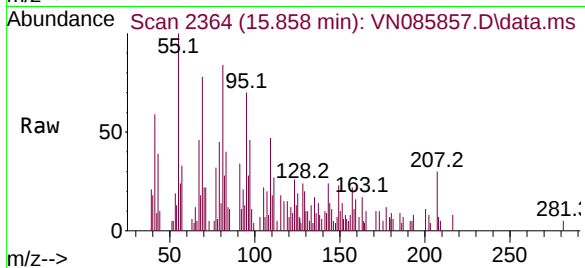
Acq: 25 Feb 2025 15:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:	180	Resp:	970
Ion Ratio	Lower	Upper	
180	100		
182	7.0	47.3	141.8#
145	0.0	16.9	50.6#

