

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021825\
 Data File : VN085778.D
 Acq On : 18 Feb 2025 13:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 19 03:58:02 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)

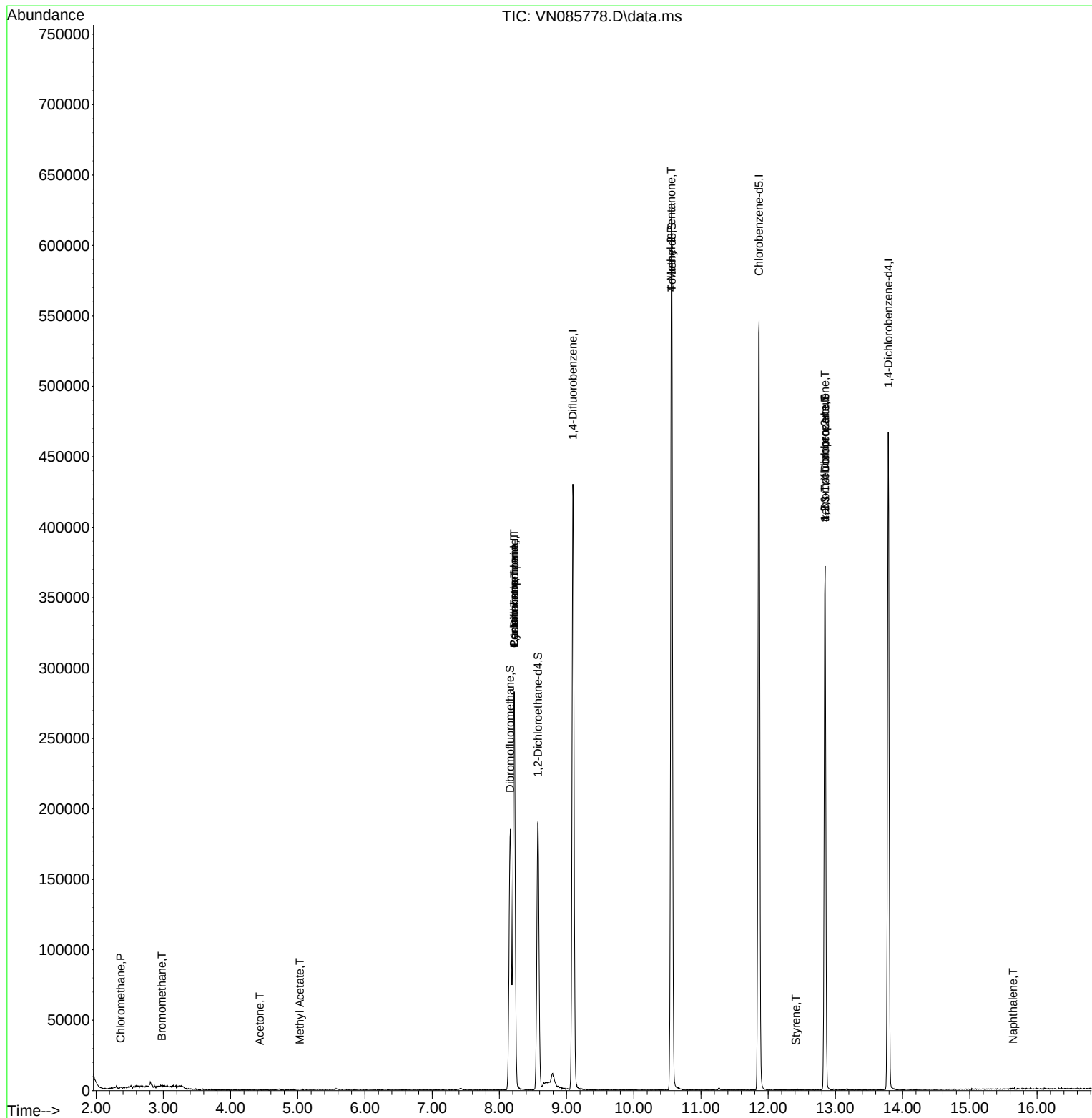
Internal Standards						
1) Pentafluorobenzene	8.224	168	206496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	382339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160940	60.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.240%			
35) Dibromofluoromethane	8.159	113	136080	54.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.780%			
50) Toluene-d8	10.565	98	455361	50.026	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.847	95	132399	44.147	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.300%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	717	0.254	ug/l	97
5) Bromomethane	2.977	94	509	0.267	ug/l #	79
16) Acetone	4.436	43	469	0.554	ug/l #	40
18) Methyl Acetate	5.030	43	760	0.261	ug/l #	47
31) Cyclohexane	8.224	56	4146	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16607	4.690	ug/l #	51
38) Carbon Tetrachloride	8.224	117	21619	5.139	ug/l #	18
43) Isopropyl Acetate	8.659	43	2479	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.559	43	1972	0.702	ug/l #	1
70) Styrene	12.412	104	55	0.592	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	66760	23.362	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66760	68.166	ug/l #	13
95) Naphthalene	15.647	128	1410	0.251	ug/l #	69

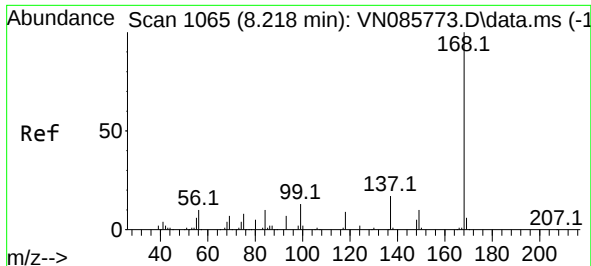
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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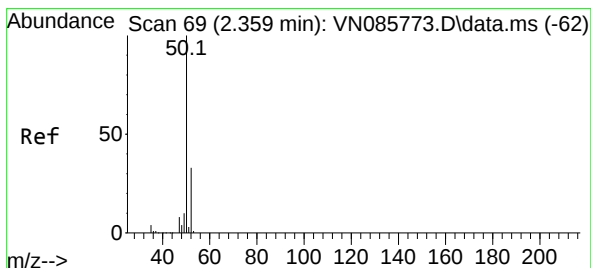
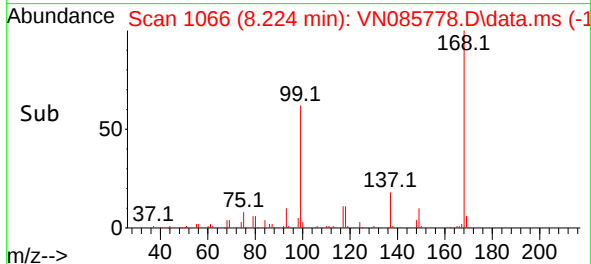
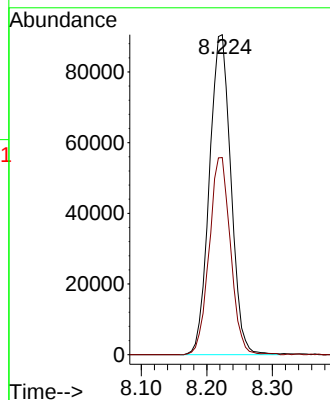
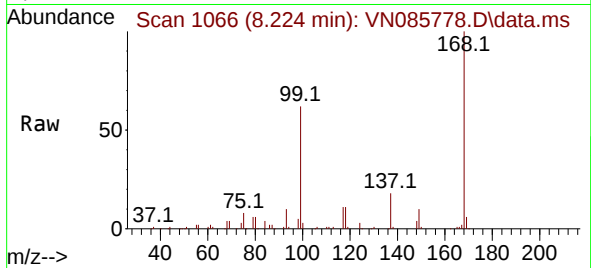




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

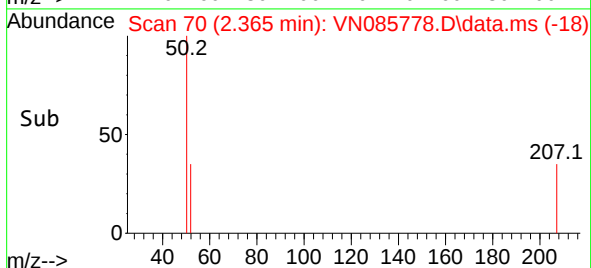
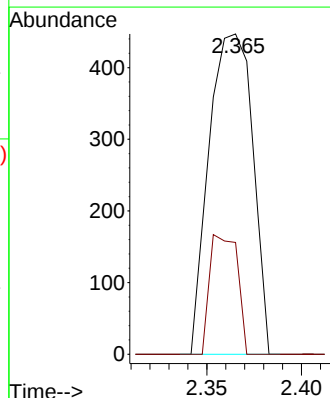
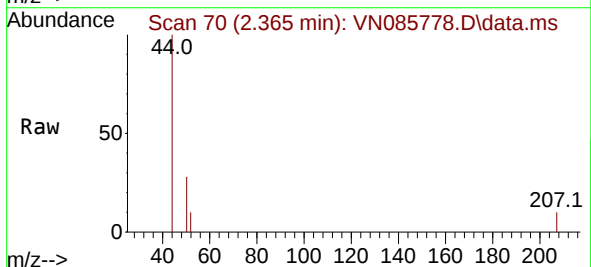
Instrument :
MSVOA_N
ClientSampleId :
IBLK

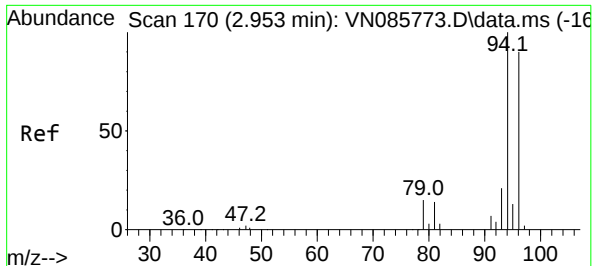
Tgt Ion:168 Resp: 206496
Ion Ratio Lower Upper
168 100
99 61.6 47.9 71.9



#3
Chloromethane
Concen: 0.254 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 34.9 26.7 40.1

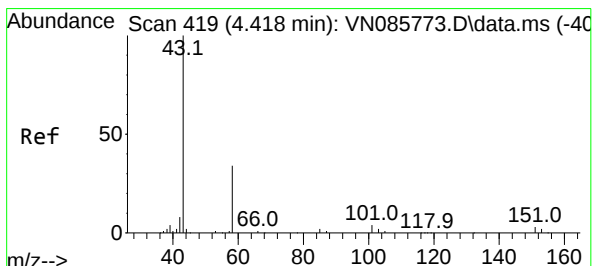
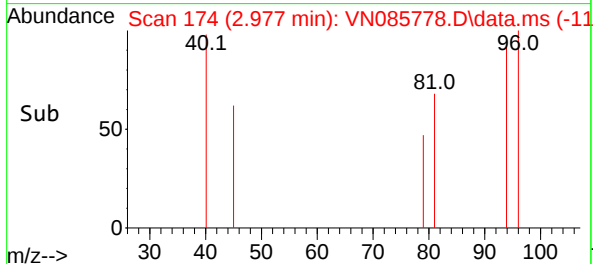
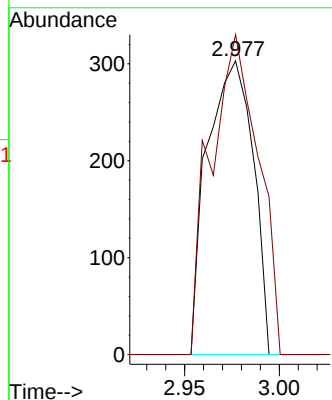
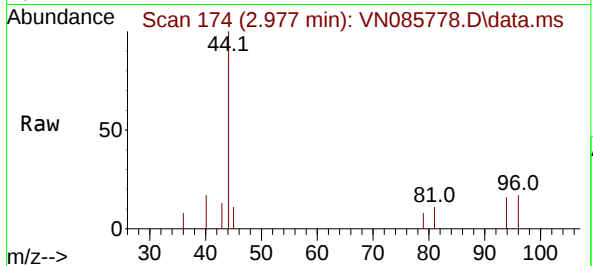




#5
Bromomethane
Concen: 0.267 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

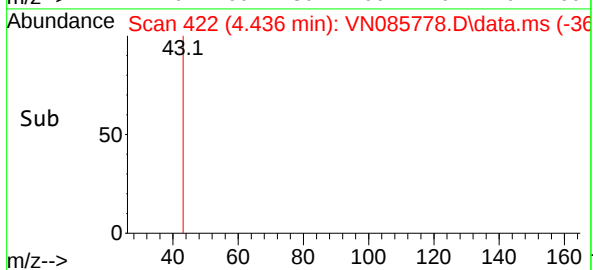
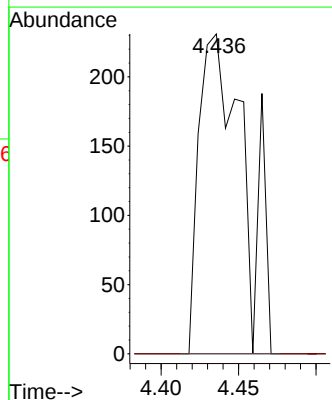
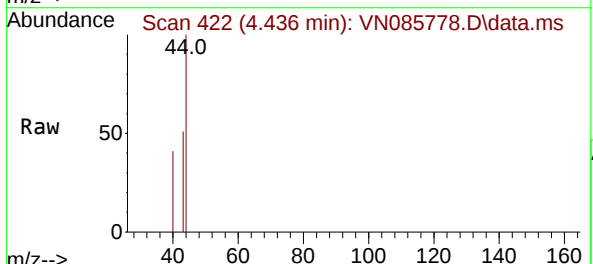
Instrument :
MSVOA_N
ClientSampleId :
IBLK

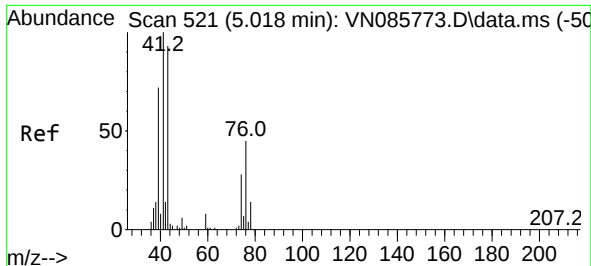
Tgt Ion: 94 Resp: 509
Ion Ratio Lower Upper
94 100
96 108.9 71.7 107.5#



#16
Acetone
Concen: 0.554 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#





#18

Methyl Acetate

Concen: 0.261 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN085778.D

Acq: 18 Feb 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

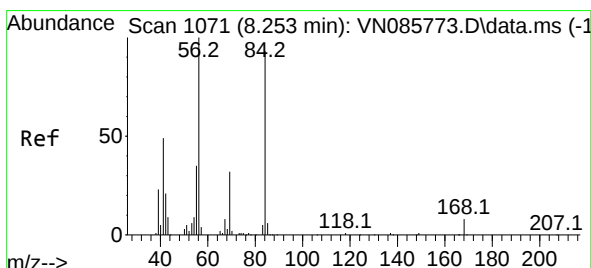
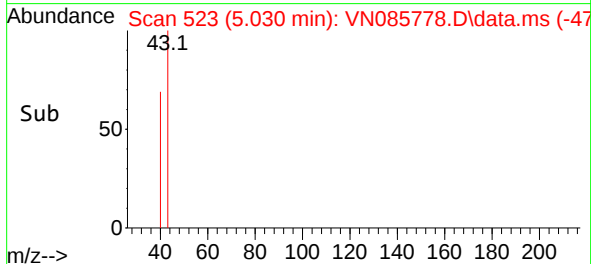
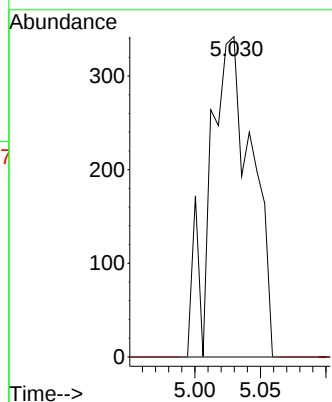
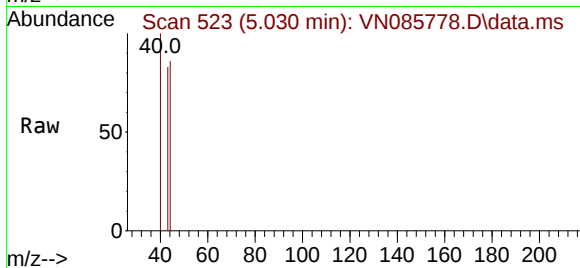
IBLK

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085778.D

Acq: 18 Feb 2025 13:54

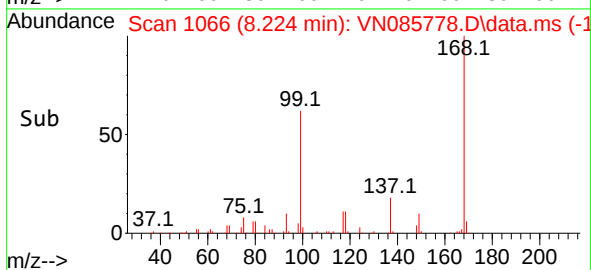
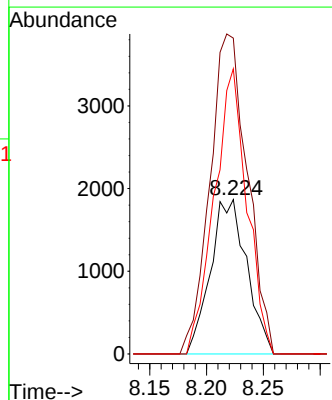
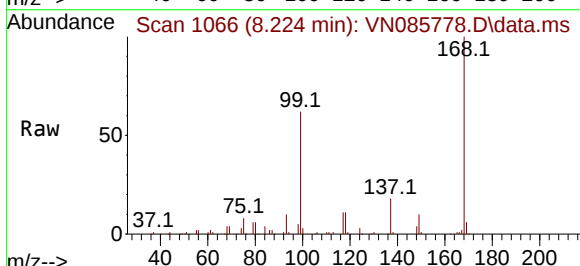
Tgt Ion: 56 Resp: 4146

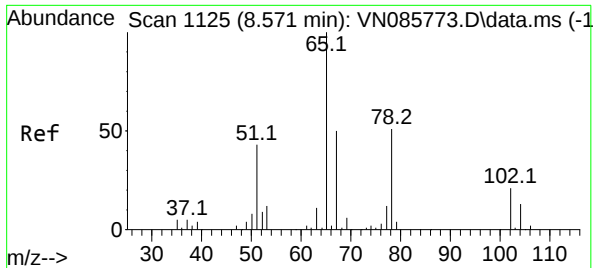
Ion Ratio Lower Upper

56 100

69 204.5 25.8 38.6#

84 184.6 74.5 111.7#

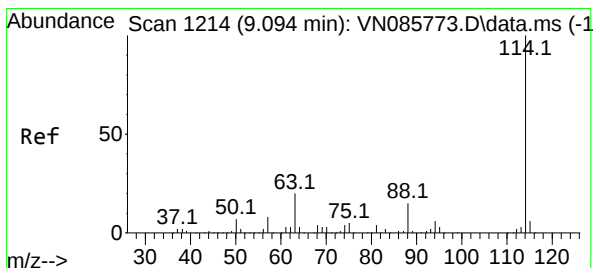
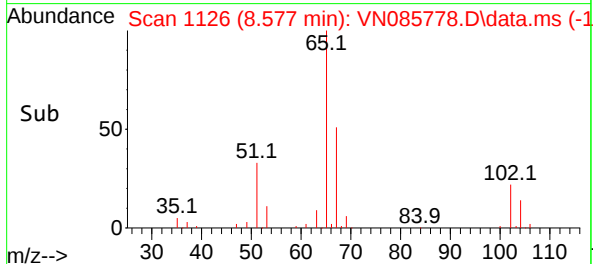
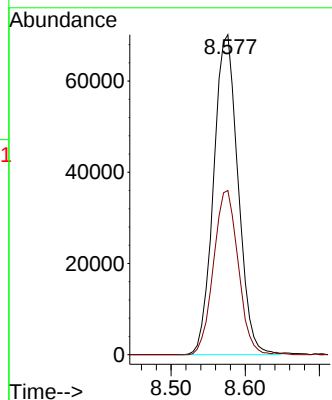
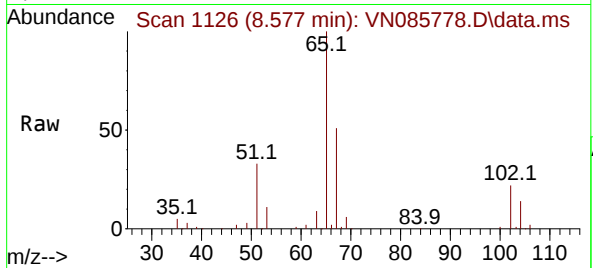




#33
 1,2-Dichloroethane-d4
 Concen: 60.116 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085778.D
 Acq: 18 Feb 2025 13:54

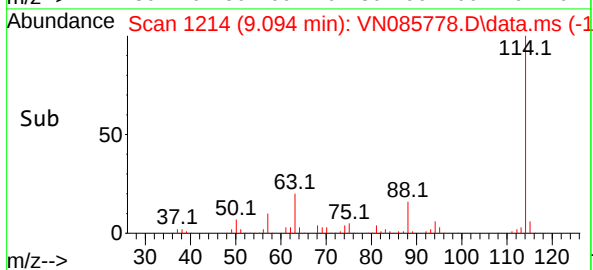
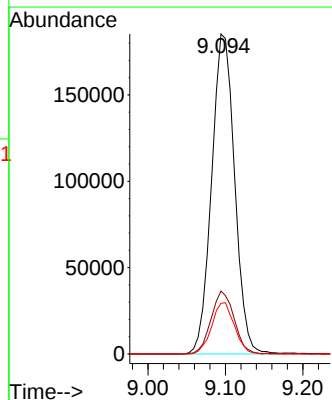
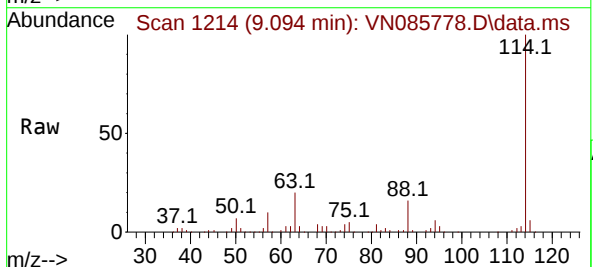
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

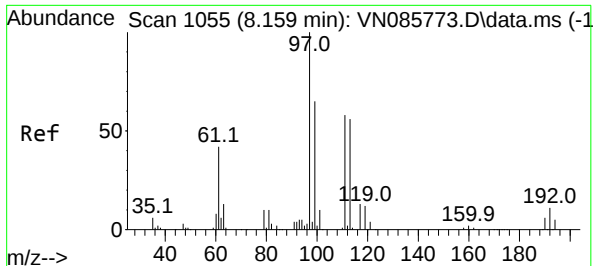
Tgt Ion: 65 Resp: 160940
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.000 min
 Lab File: VN085778.D
 Acq: 18 Feb 2025 13:54

Tgt Ion: 114 Resp: 382339
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.392 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085778.D

Acq: 18 Feb 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

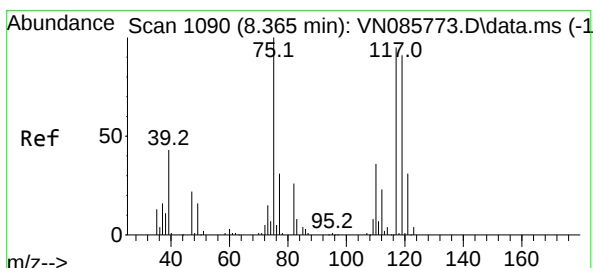
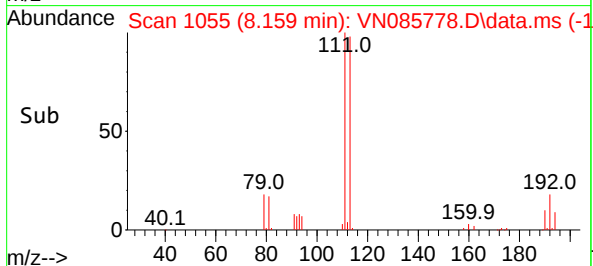
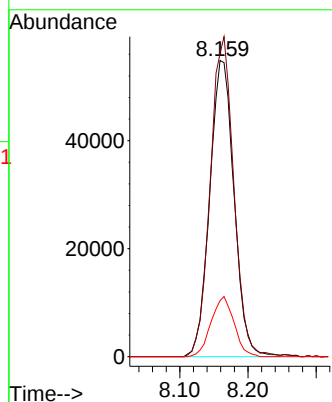
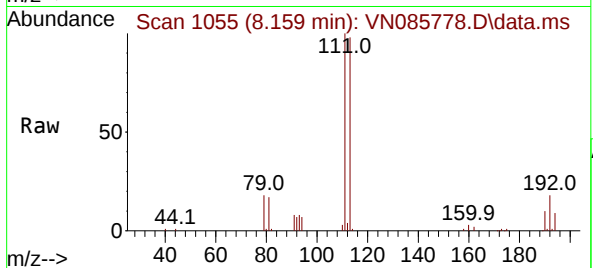
Tgt Ion:113 Resp: 136080

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 19.2 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.690 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085778.D

Acq: 18 Feb 2025 13:54

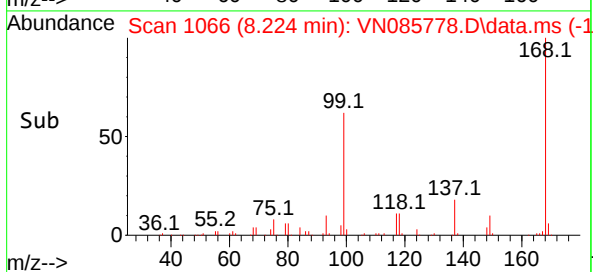
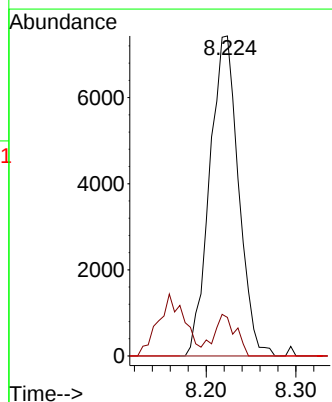
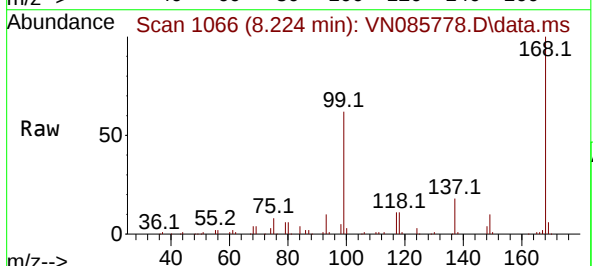
Tgt Ion: 75 Resp: 16607

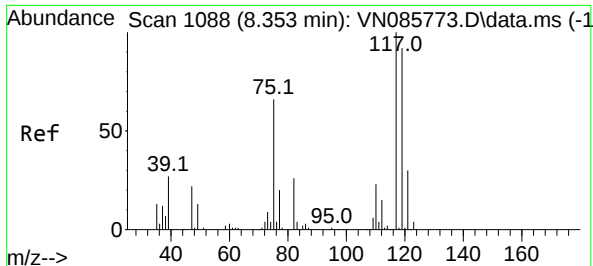
Ion Ratio Lower Upper

75 100

110 9.8 17.3 52.0#

77 0.0 24.6 37.0#

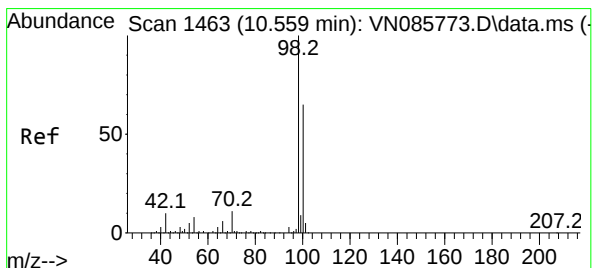
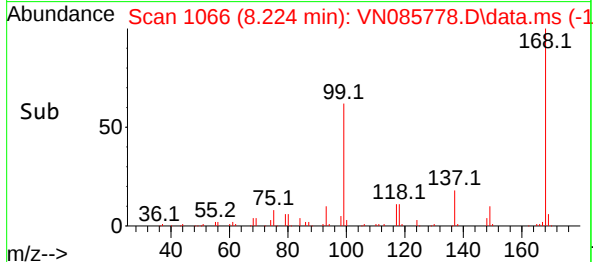
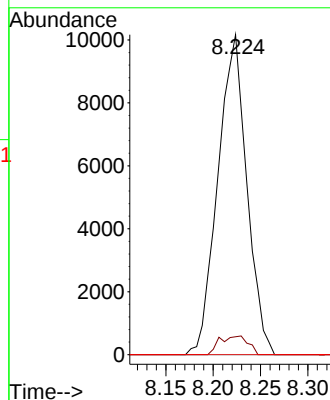
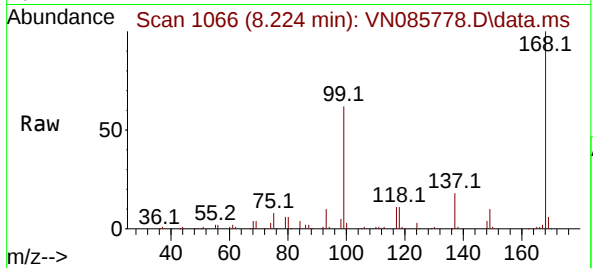




#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

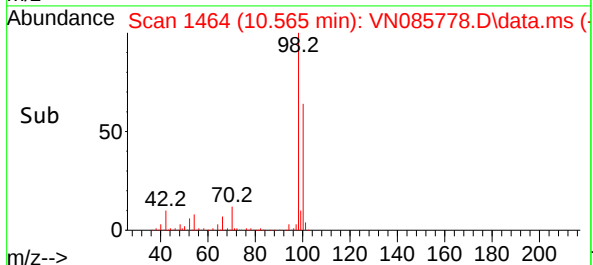
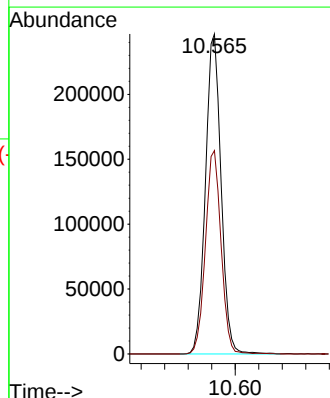
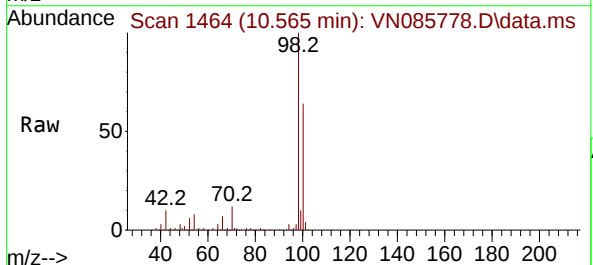
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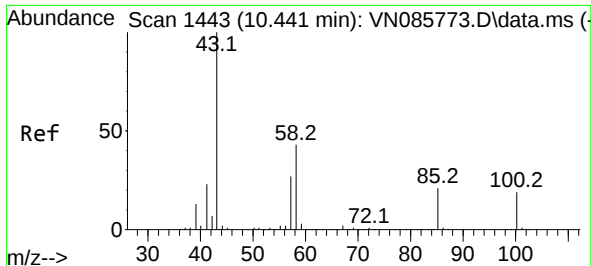
Tgt Ion:117 Resp: 21619
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.6#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 50.026 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion: 98 Resp: 455361
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

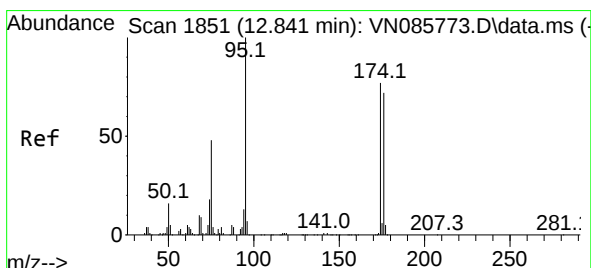
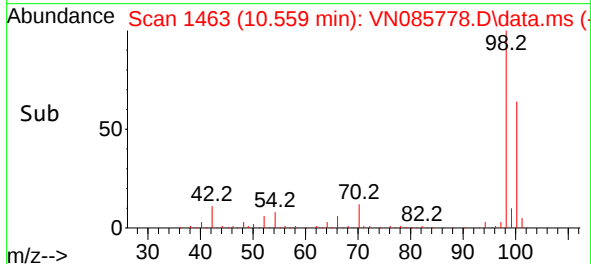
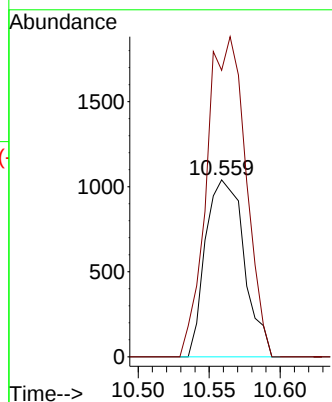
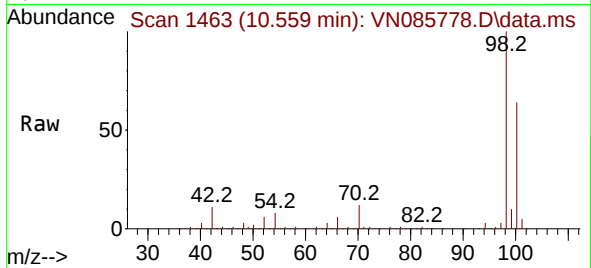




#51
4-Methyl-2-Pentanone
Concen: 0.702 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

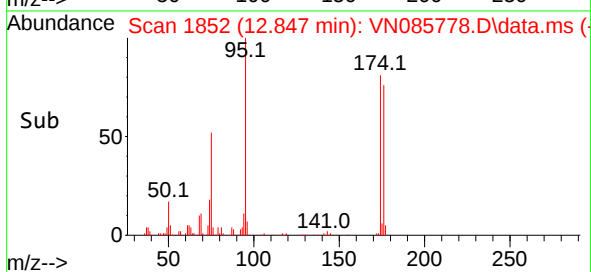
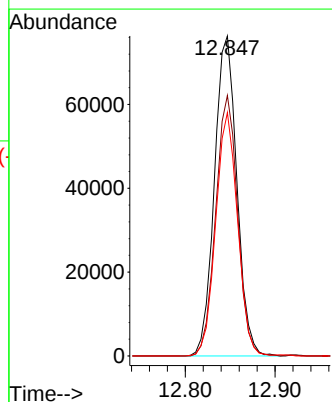
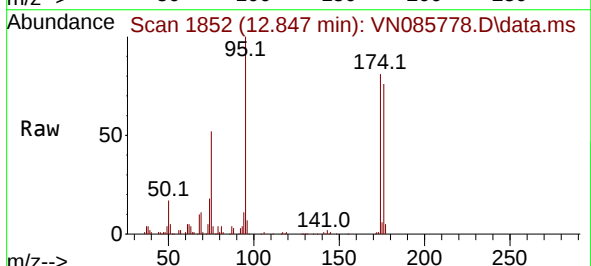
Instrument :
MSVOA_N
ClientSampleId :
IBLK

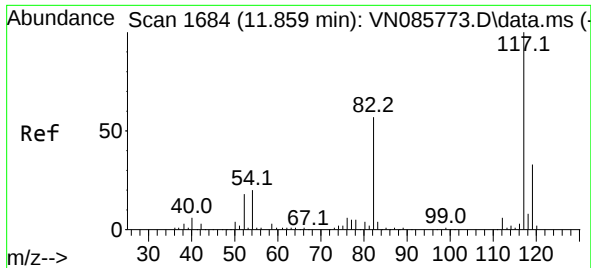
Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 183.0 34.6 52.0#



#62
4-Bromofluorobenzene
Concen: 44.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion: 95 Resp: 132399
Ion Ratio Lower Upper
95 100
174 79.5 0.0 152.4
176 74.2 0.0 146.6

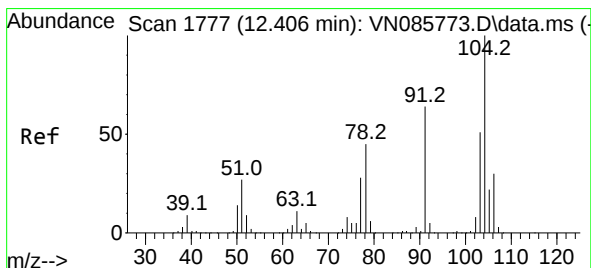
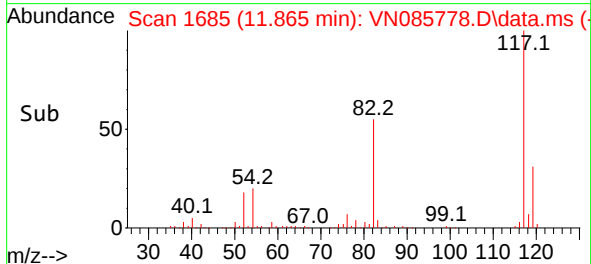
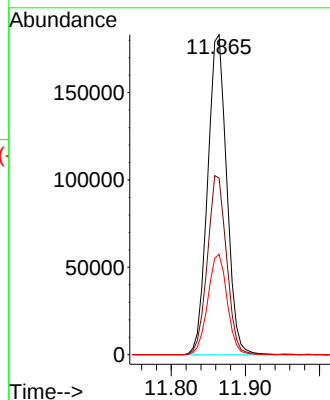
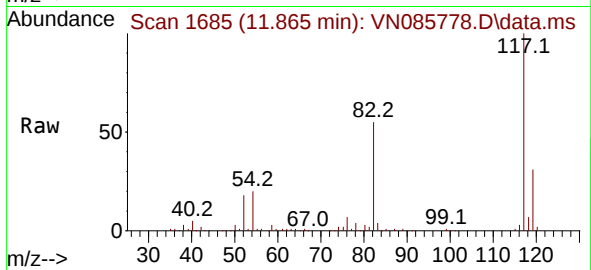




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

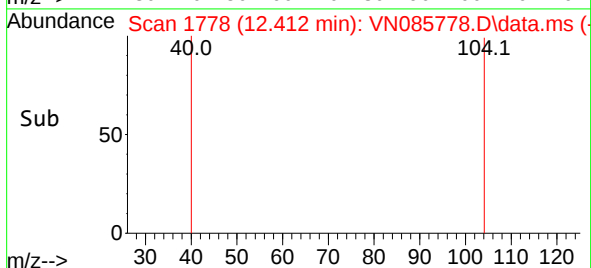
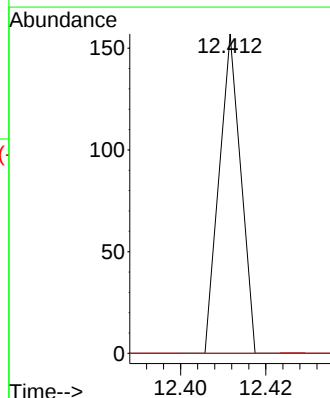
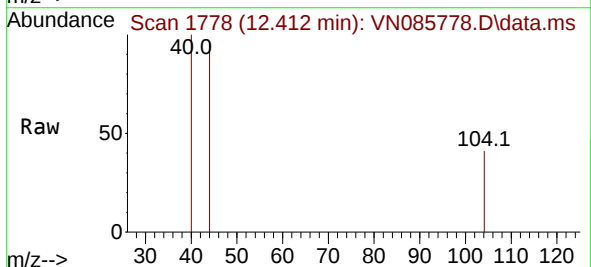
Instrument :
MSVOA_N
ClientSampleId :
IBLK

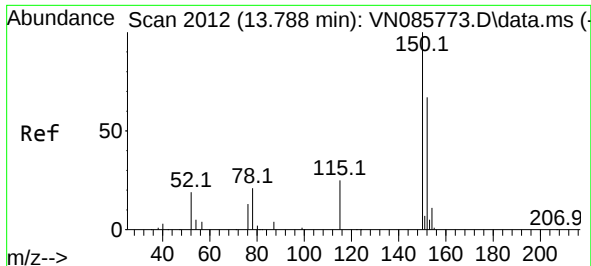
Tgt Ion:117 Resp: 328019
Ion Ratio Lower Upper
117 100
82 55.2 45.7 68.5
119 31.4 26.2 39.2



#70
Styrene
Concen: 0.592 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion:104 Resp: 55
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

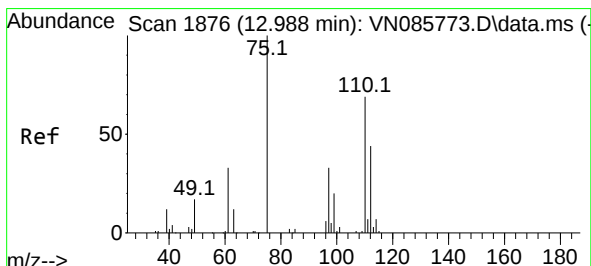
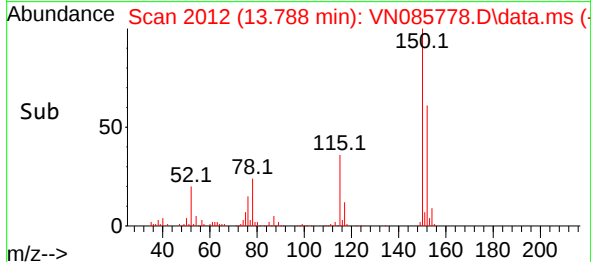
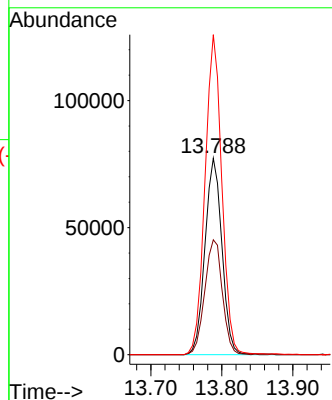
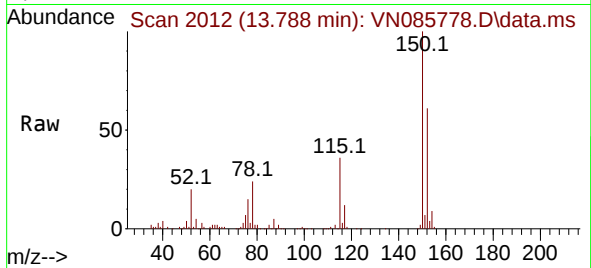




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085778.D
 Acq: 18 Feb 2025 13:54

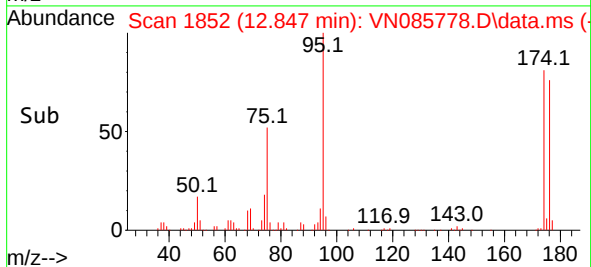
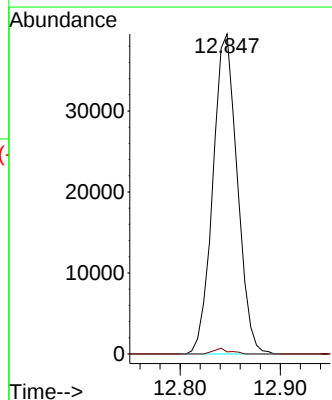
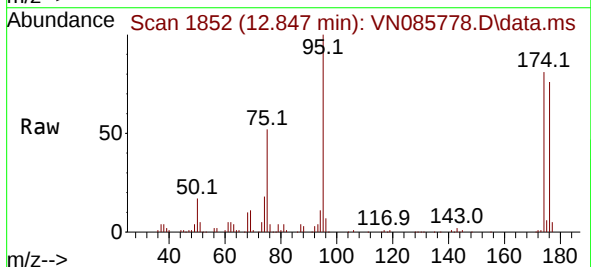
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

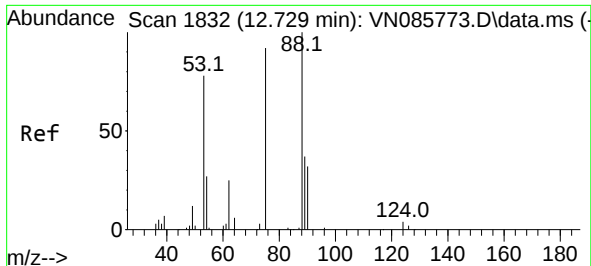
Tgt Ion:152 Resp: 128643
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.4 91.3
 150 160.8 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.362 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085778.D
 Acq: 18 Feb 2025 13:54

Tgt Ion: 75 Resp: 66760
 Ion Ratio Lower Upper
 75 100
 77 1.1 100.0 300.0#

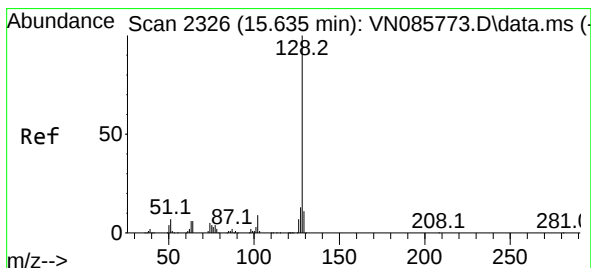
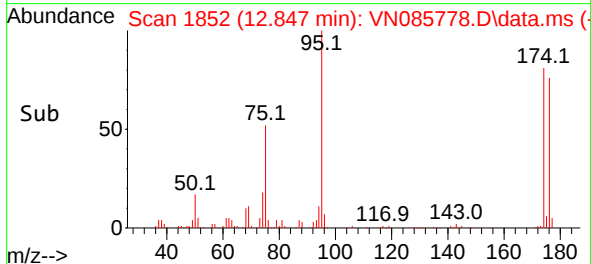
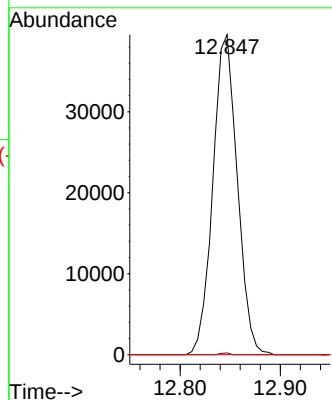
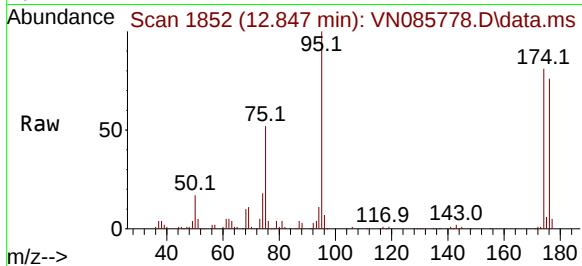




#81
trans-1,4-Dichloro-2-butene
Concen: 68.166 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 66760
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.9 52.3#



#95
Naphthalene
Concen: 0.251 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085778.D
Acq: 18 Feb 2025 13:54

Tgt Ion: 128 Resp: 1410
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#

