

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086483.D
 Acq On : 05 May 2025 14:00
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 06 01:44:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

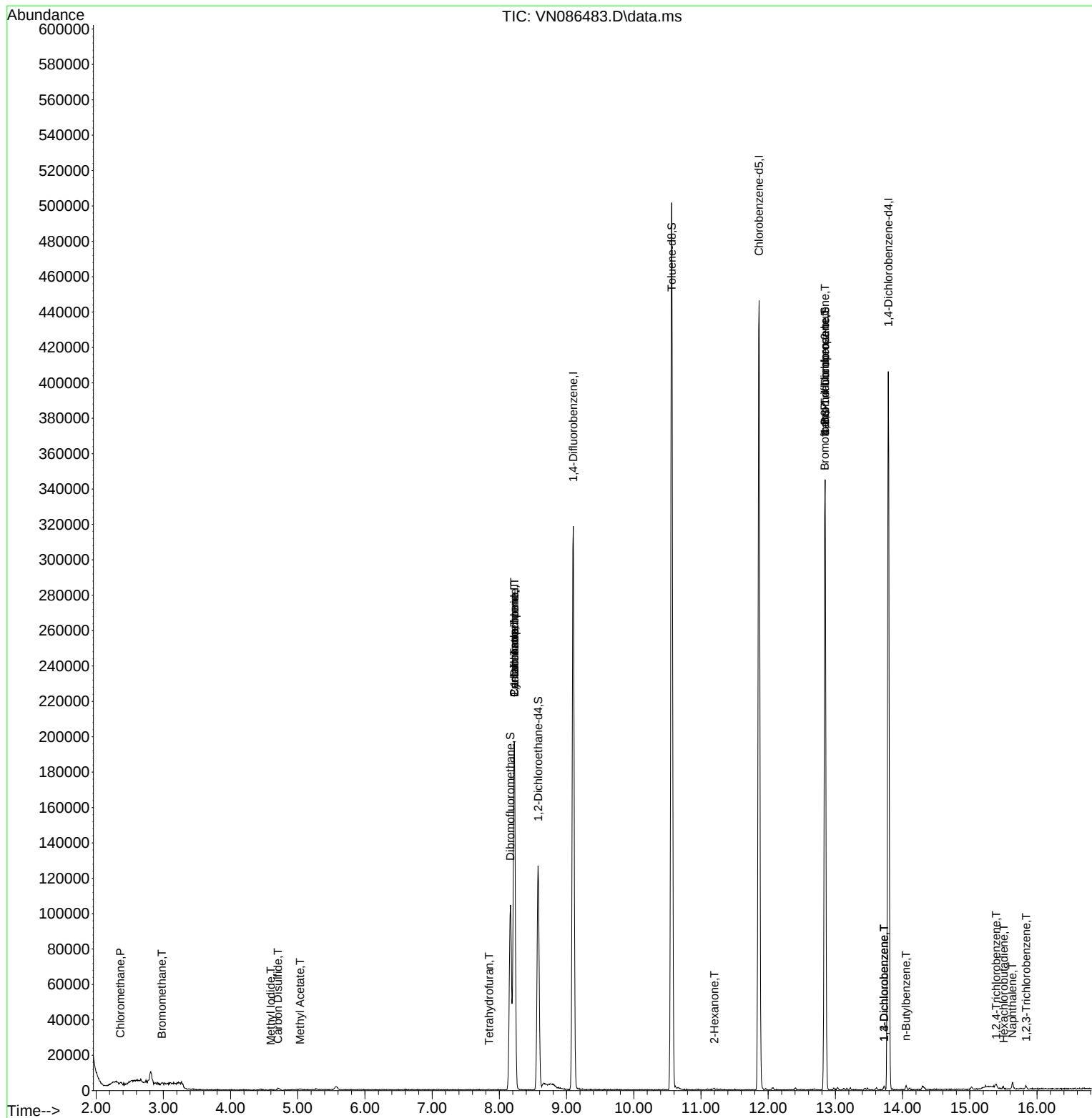
Internal Standards						
1) Pentafluorobenzene	8.224	168	145444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103523	49.085	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.160%
35) Dibromofluoromethane	8.165	113	79031	60.839	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.680%
50) Toluene-d8	10.565	98	354572	51.072	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.847	95	123996	48.967	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1081	0.431	ug/l #	87
5) Bromomethane	2.977	94	690	0.642	ug/l	84
10) Methyl Iodide	4.600	142	531	0.301	ug/l #	42
16) Acetone	4.430	43	364	Below Cal	#	43
17) Carbon Disulfide	4.706	76	2286	0.446	ug/l #	74
18) Methyl Acetate	5.036	43	950	0.375	ug/l #	51
29) Tetrahydrofuran	7.847	42	250	0.285	ug/l #	32
31) Cyclohexane	8.224	56	3456	1.011	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	12203	4.703	ug/l #	49
38) Carbon Tetrachloride	8.224	117	15235	6.166	ug/l #	15
43) Isopropyl Acetate	8.682	43	4128	Below Cal	#	55
59) 2-Hexanone	11.200	43	983	0.474	ug/l #	46
71) Bromoform	12.841	173	514	0.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	64617	25.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64617	61.032	ug/l #	10
87) 1,3-Dichlorobenzene	13.723	146	789	0.215	ug/l	80
88) 1,4-Dichlorobenzene	13.723	146	789	0.213	ug/l	80
89) n-Butylbenzene	14.053	91	1656	0.261	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	866	0.508	ug/l	90
94) Hexachlorobutadiene	15.506	225	427	0.664	ug/l #	61
95) Naphthalene	15.635	128	4399	0.728	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	874	0.542	ug/l #	84

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

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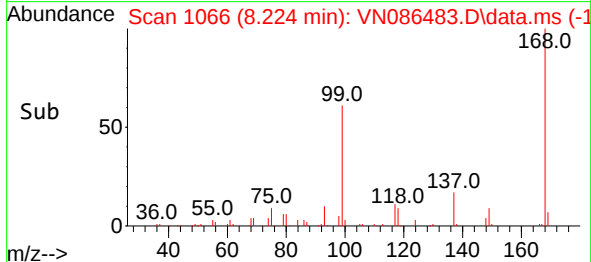
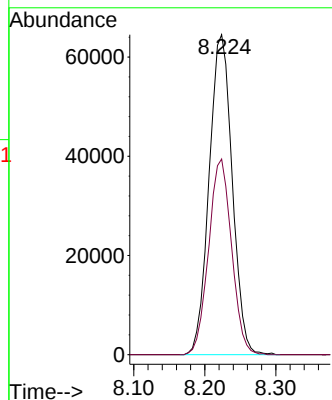
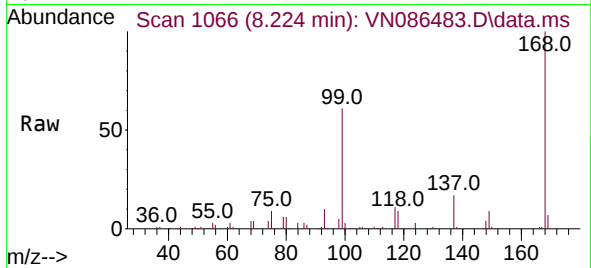




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

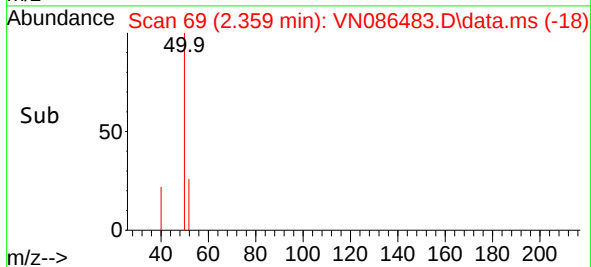
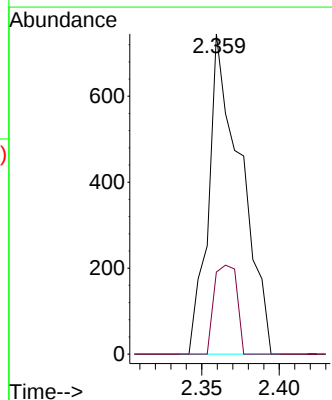
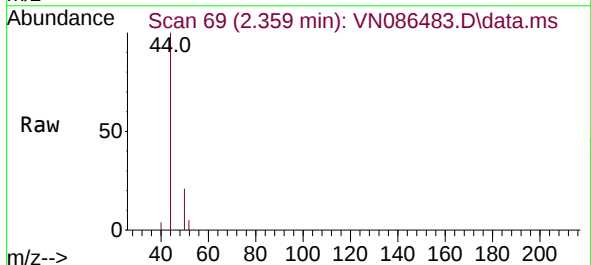
Instrument :
MSVOA_N
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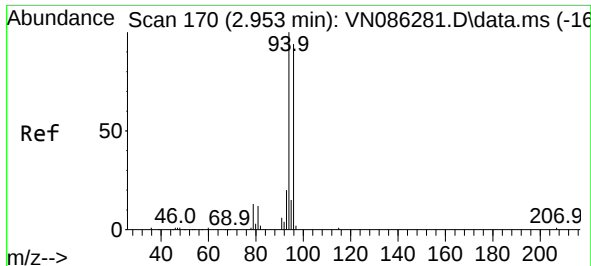
Tgt Ion:168 Resp: 145444
Ion Ratio Lower Upper
168 100
99 61.1 52.5 78.7



#3
Chloromethane
Concen: 0.431 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 50 Resp: 1081
Ion Ratio Lower Upper
50 100
52 25.6 26.5 39.7#

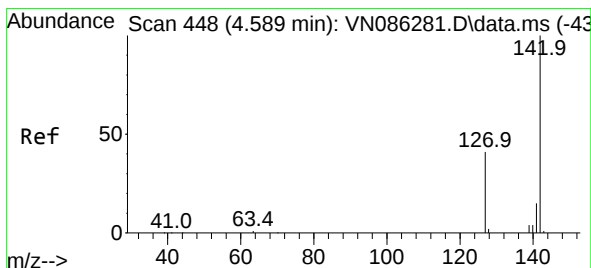
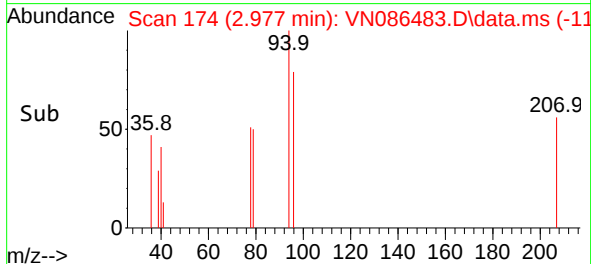
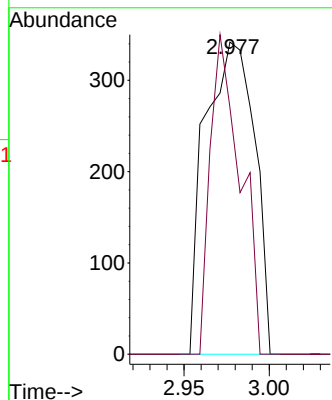
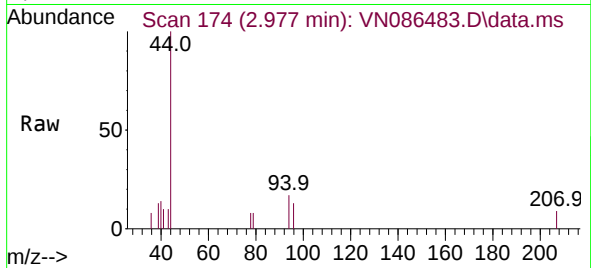




#5
Bromomethane
Concen: 0.642 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

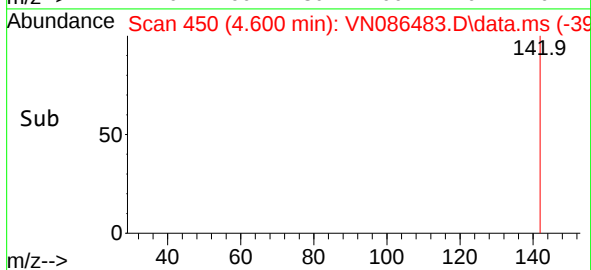
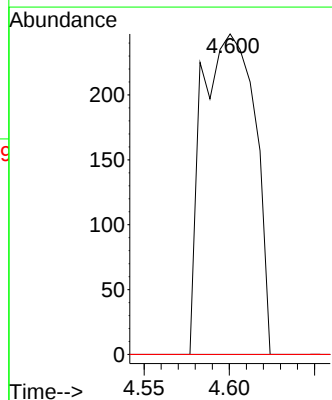
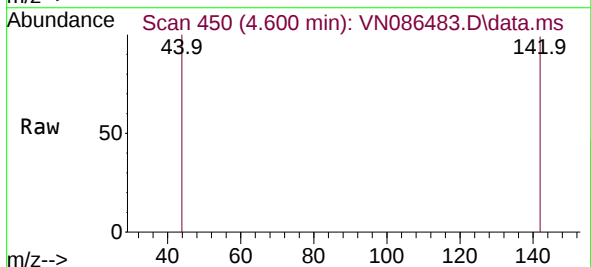
Instrument :
MSVOA_N
ClientSampleId :
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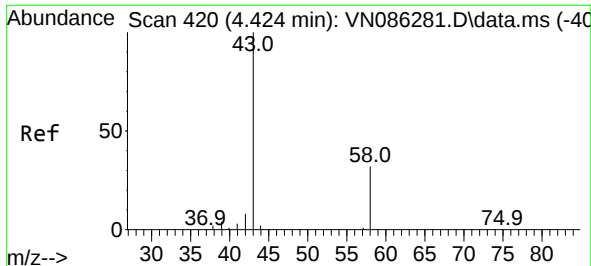
Tgt Ion: 94 Resp: 690
Ion Ratio Lower Upper
94 100
96 78.9 75.2 112.8



#10
Methyl Iodide
Concen: 0.301 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 142 Resp: 531
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

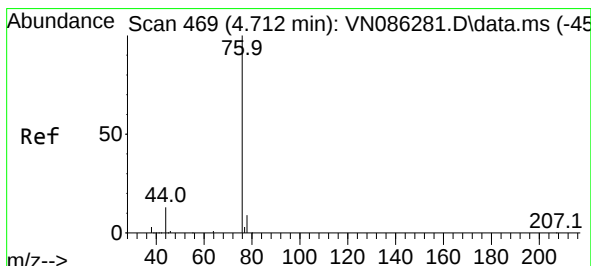
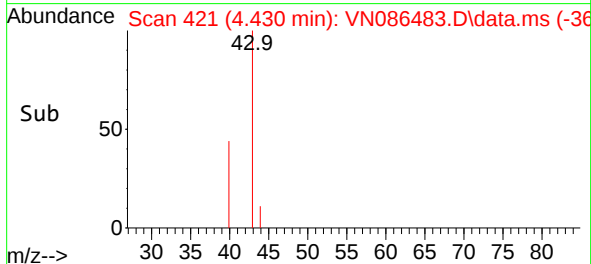
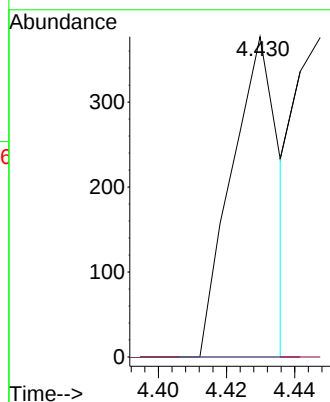
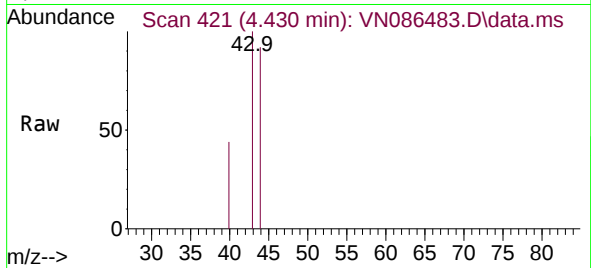




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

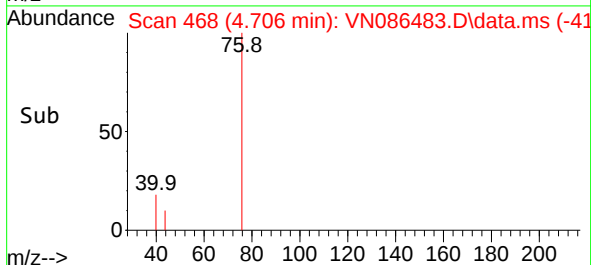
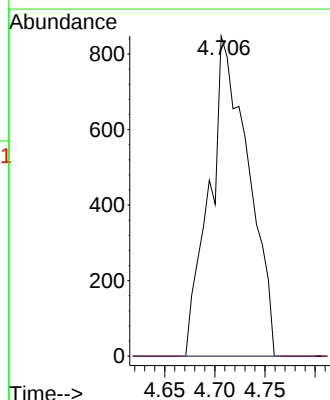
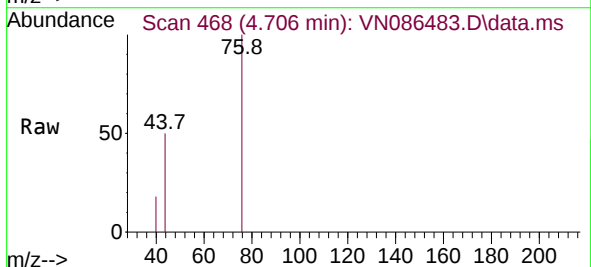
Instrument :
MSVOA_N
ClientSampleId :
IBLK

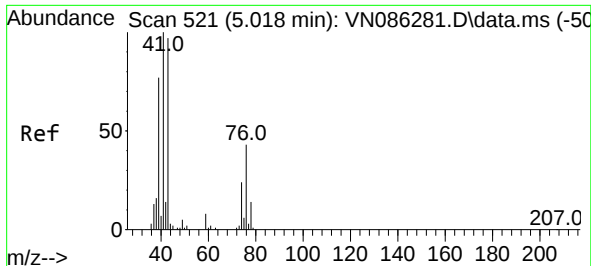
Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.446 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 76 Resp: 2286
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

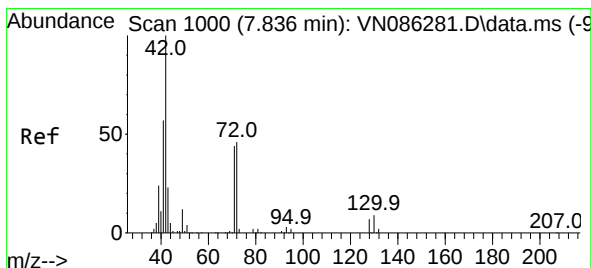
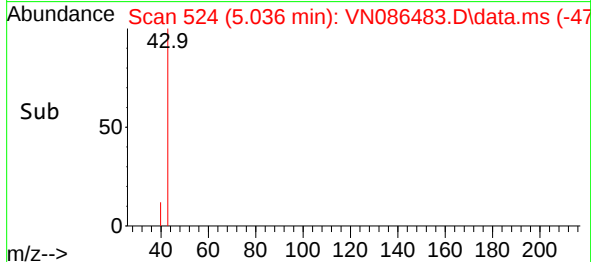
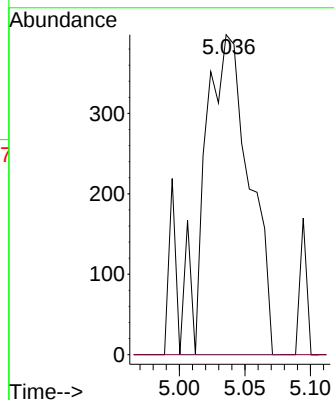
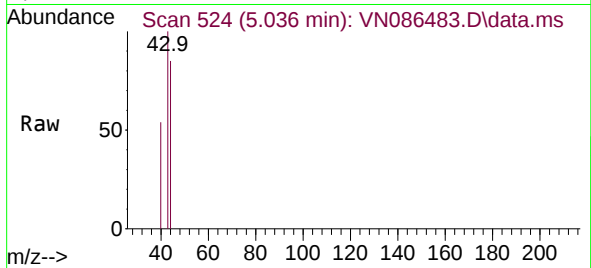




#18
Methyl Acetate
Concen: 0.375 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

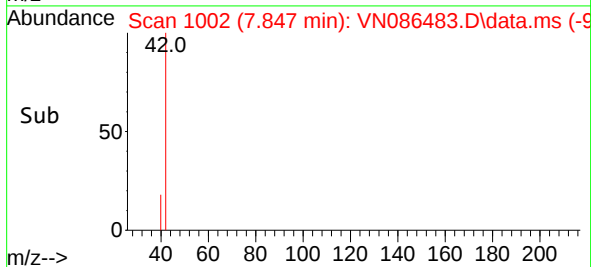
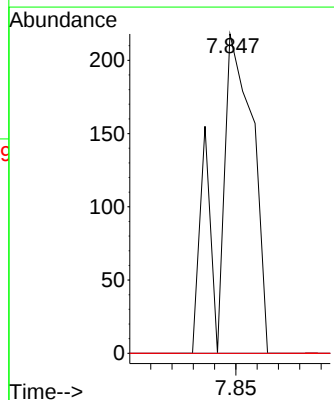
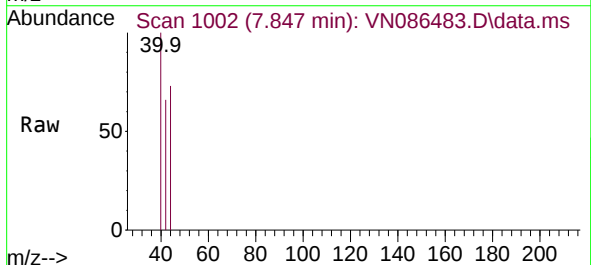
Instrument :
MSVOA_N
ClientSampleId :
IBLK

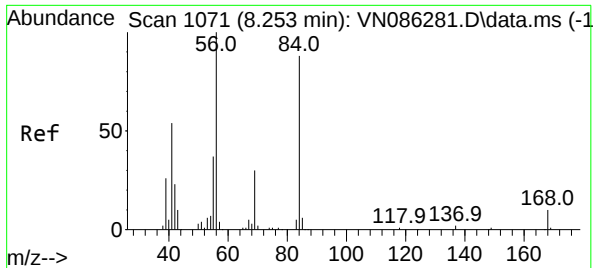
Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 42 Resp: 250
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#

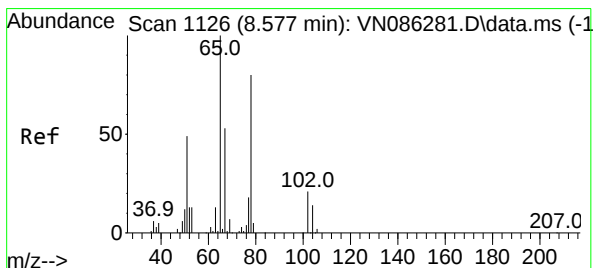
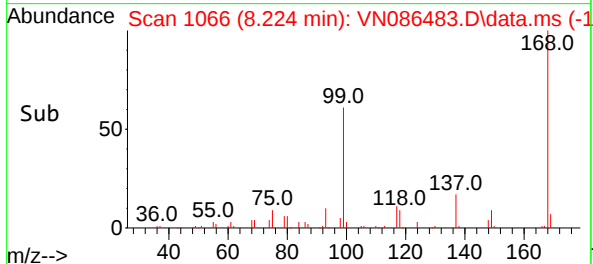
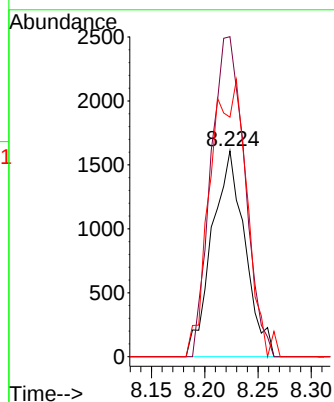
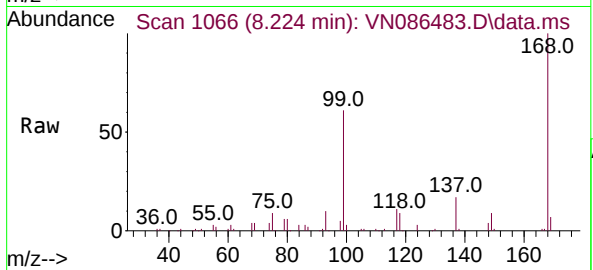




#31
Cyclohexane
Concen: 1.011 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

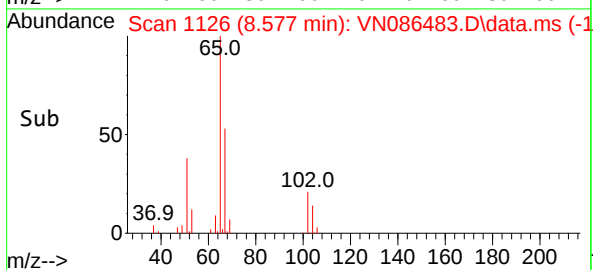
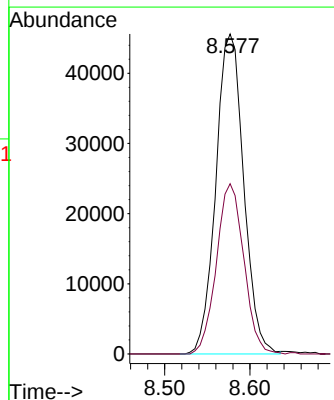
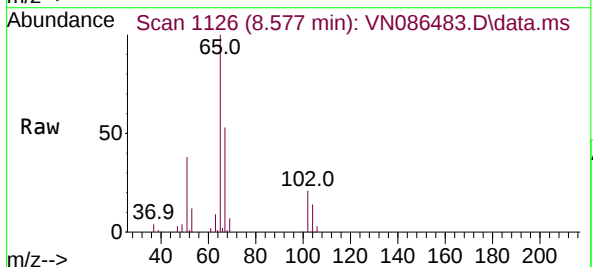
Instrument :
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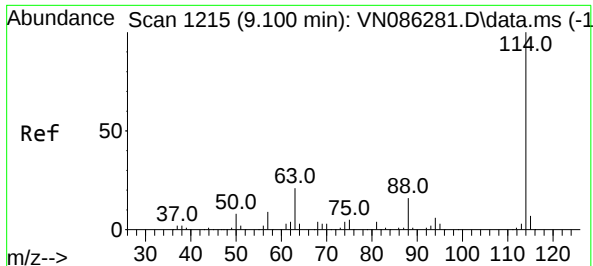
Tgt Ion: 56 Resp: 3456
Ion Ratio Lower Upper
56 100
69 155.5 24.2 36.2#
84 116.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.085 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 65 Resp: 103523
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086483.D

Acq: 05 May 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

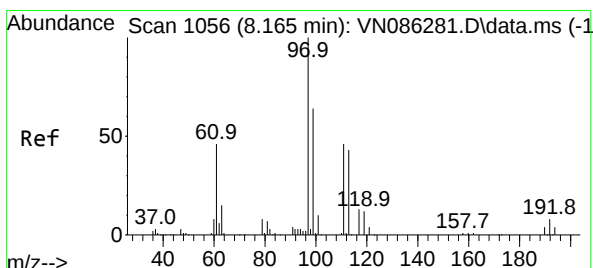
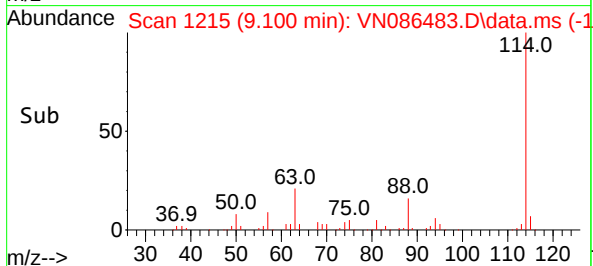
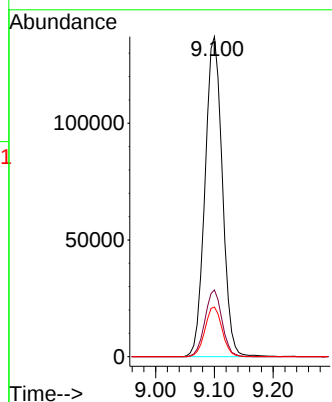
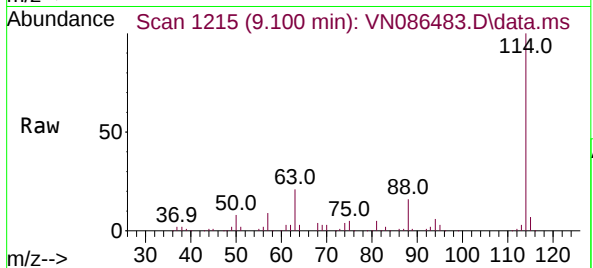
Tgt Ion:114 Resp: 279891

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.839 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086483.D

Acq: 05 May 2025 14:00

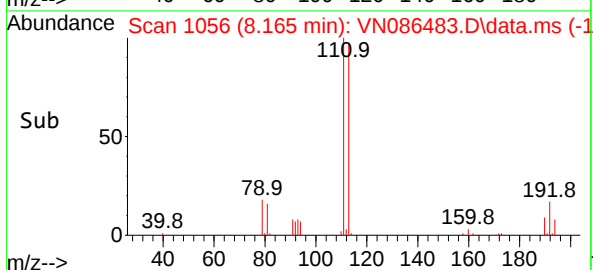
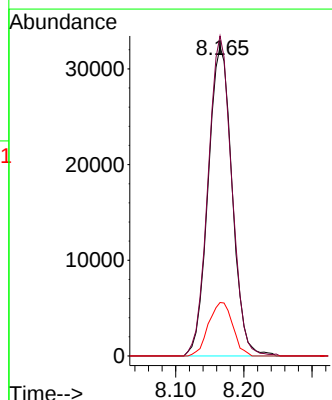
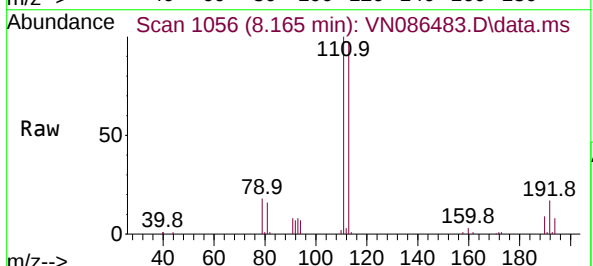
Tgt Ion:113 Resp: 79031

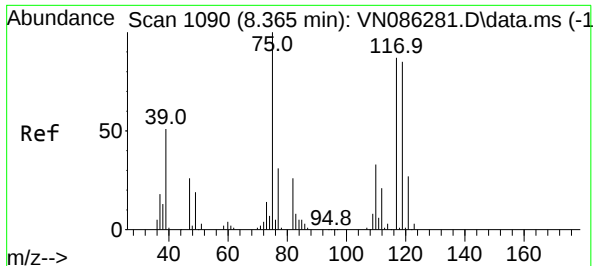
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086483.D

Acq: 05 May 2025 14:00

Instrument :

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IBLK

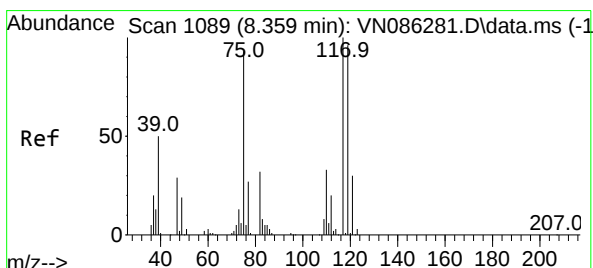
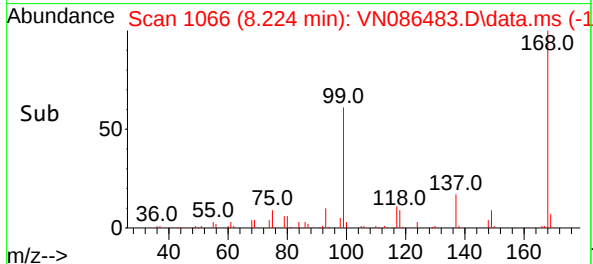
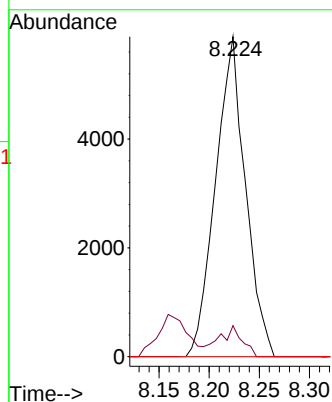
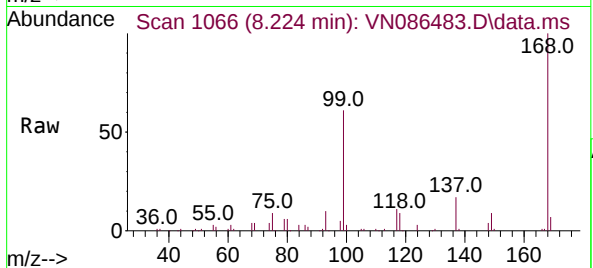
Tgt Ion: 75 Resp: 12203

Ion Ratio Lower Upper

75 100

110 7.5 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086483.D

Acq: 05 May 2025 14:00

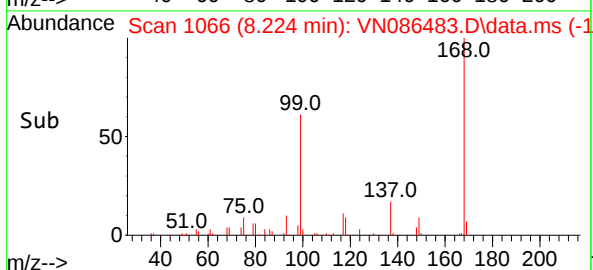
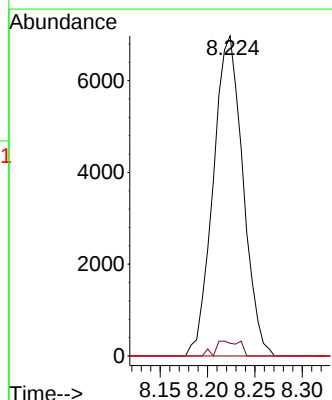
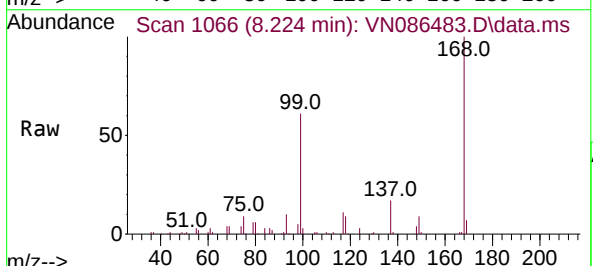
Tgt Ion: 117 Resp: 15235

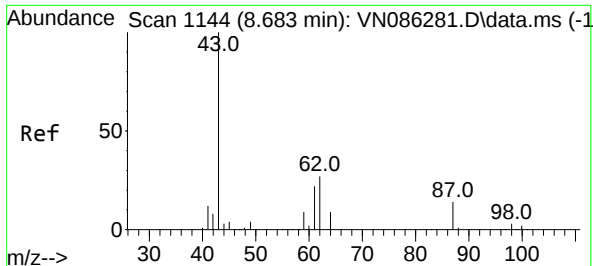
Ion Ratio Lower Upper

117 100

119 3.9 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086483.D

Acq: 05 May 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

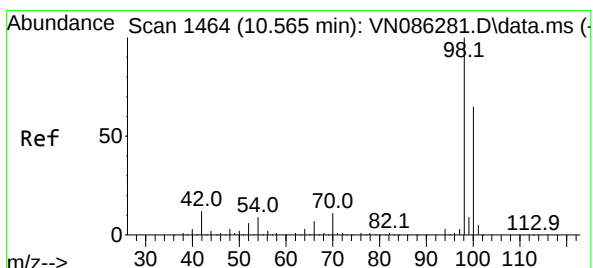
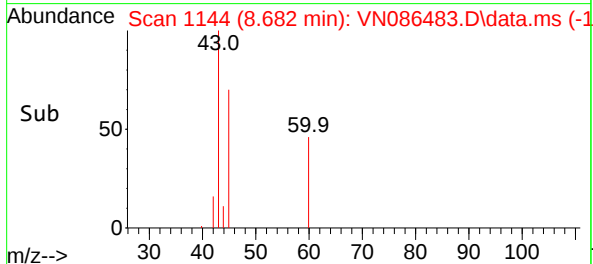
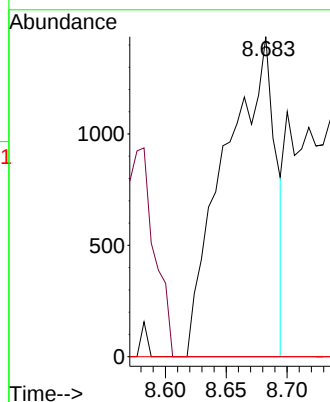
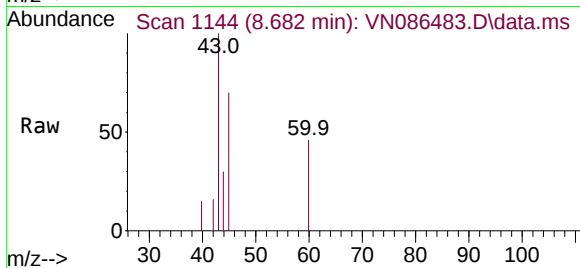
Tgt Ion: 43 Resp: 4128

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 51.072 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086483.D

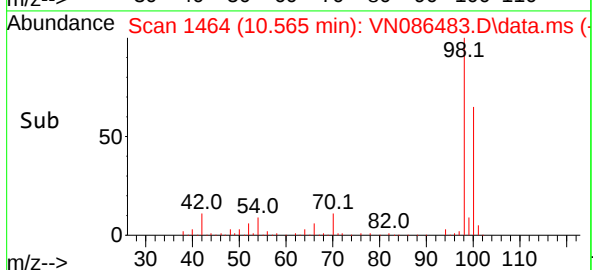
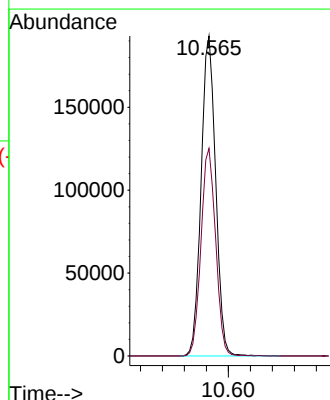
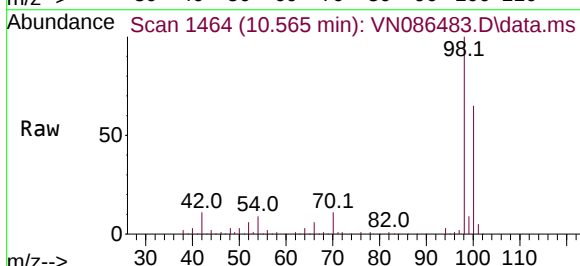
Acq: 05 May 2025 14:00

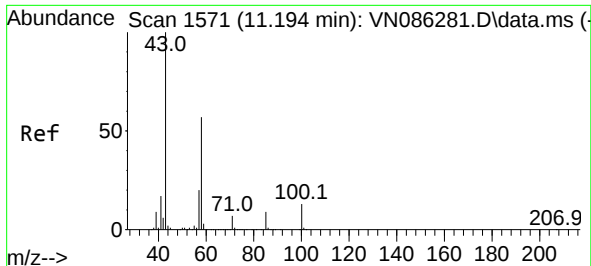
Tgt Ion: 98 Resp: 354572

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

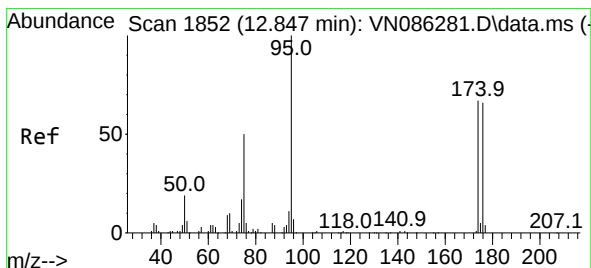
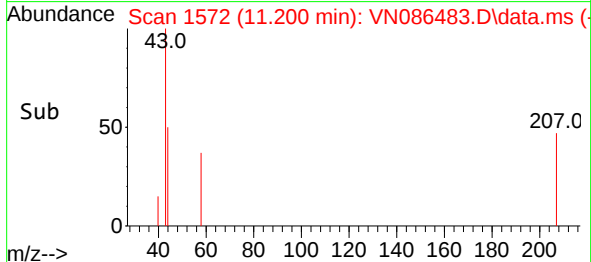
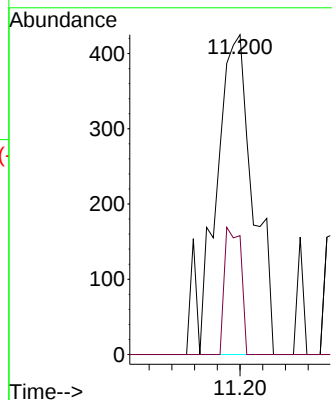
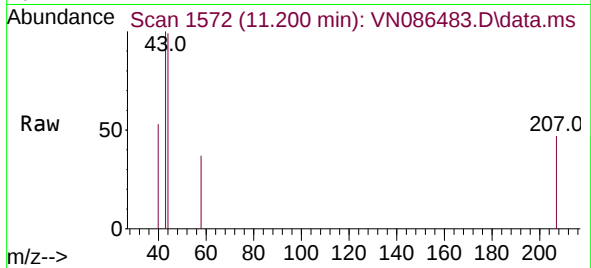




#59
2-Hexanone
Concen: 0.474 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

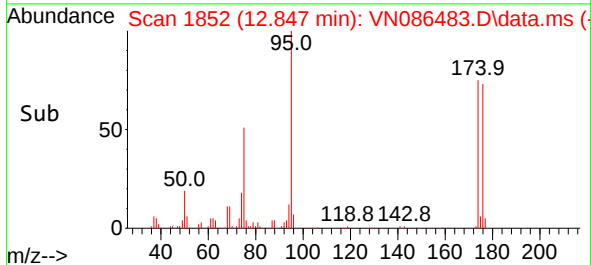
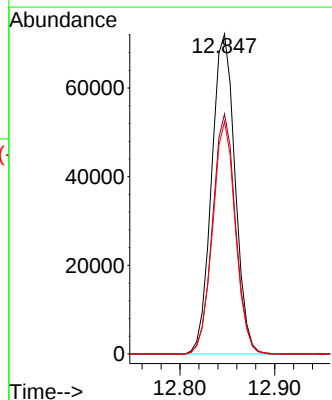
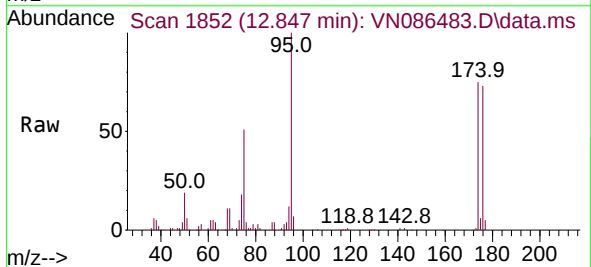
Instrument :
MSVOA_N
ClientSampleId :
IBLK

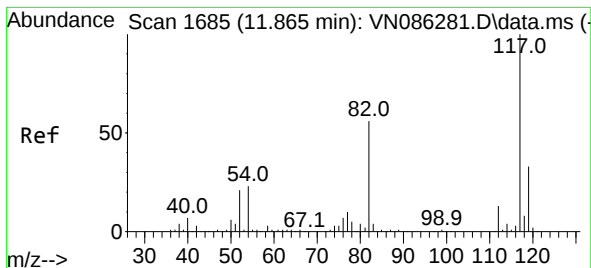
Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 17.3 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 48.967 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion: 95 Resp: 123996
Ion Ratio Lower Upper
95 100
174 73.4 0.0 133.4
176 70.7 0.0 129.2

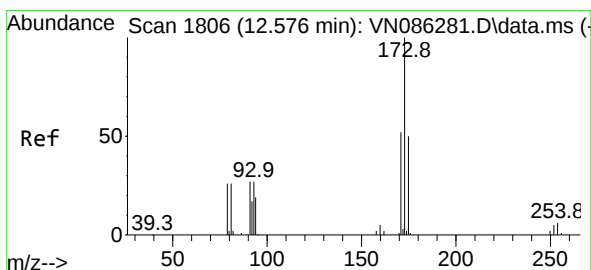
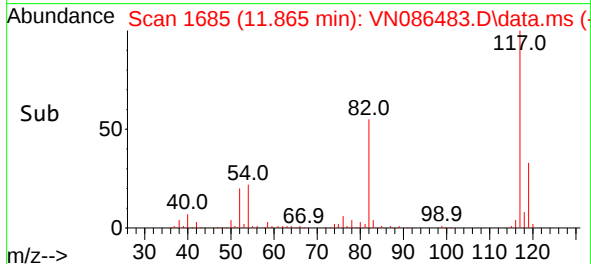
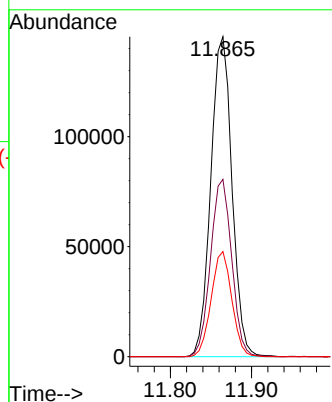
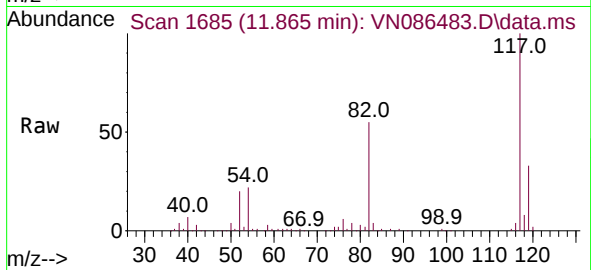




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

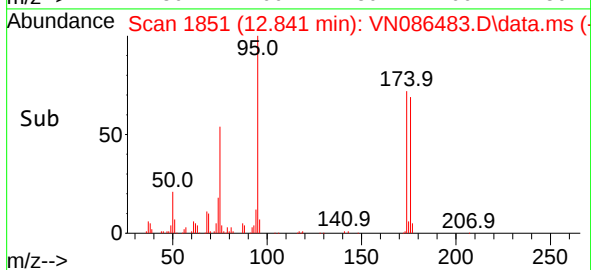
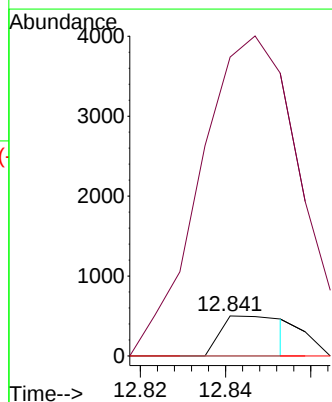
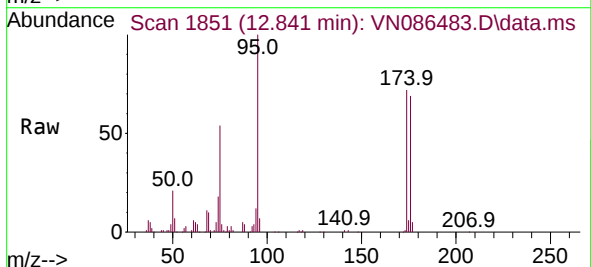
Instrument :
MSVOA_N
ClientSampleId :
IBLK

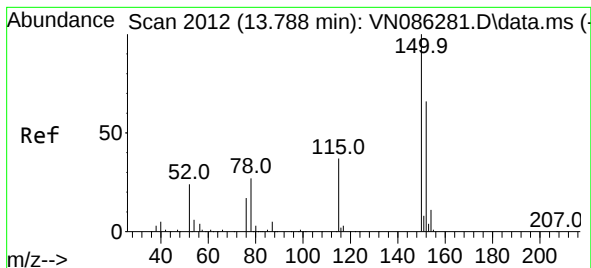
Tgt Ion:117 Resp: 263654
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 32.9 26.4 39.6



#71
Bromoform
Concen: 0.352 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion:173 Resp: 514
Ion Ratio Lower Upper
173 100
175 1062.8 24.6 73.6#
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: VN086483.D

Acq: 05 May 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

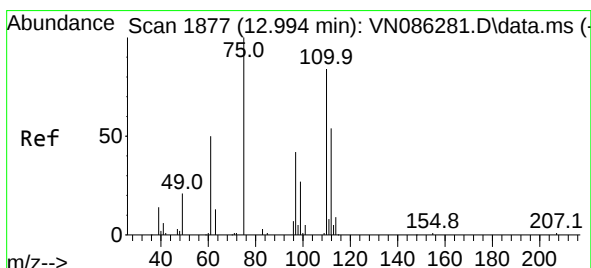
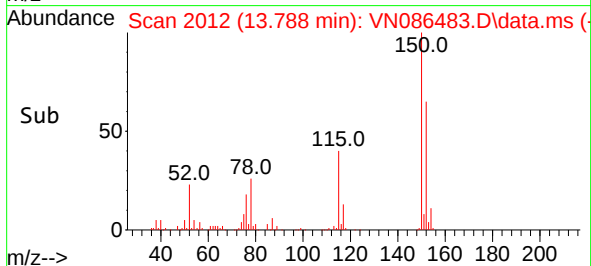
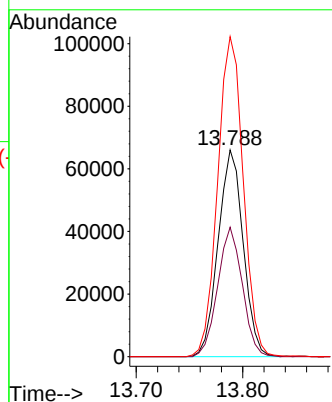
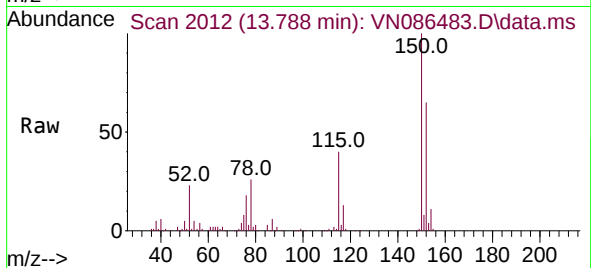
Tgt Ion:152 Resp: 107748

Ion Ratio Lower Upper

152 100

115 61.4 31.9 95.9

150 158.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 25.413 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086483.D

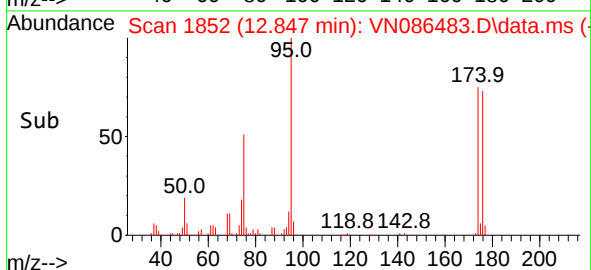
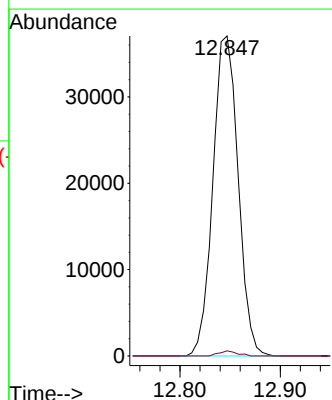
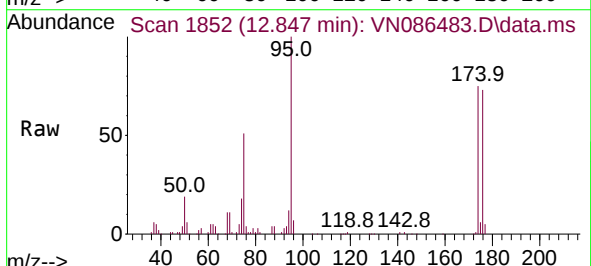
Acq: 05 May 2025 14:00

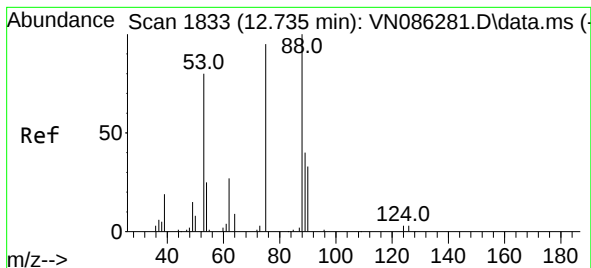
Tgt Ion: 75 Resp: 64617

Ion Ratio Lower Upper

75 100

77 1.1 98.8 296.4#

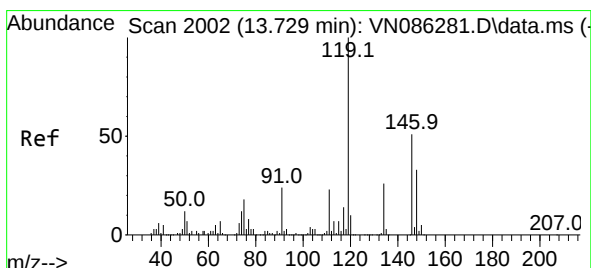
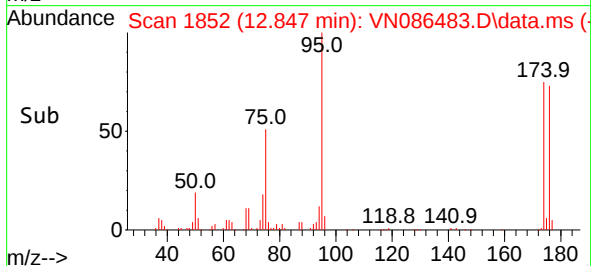
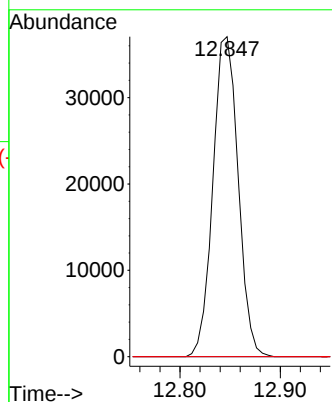
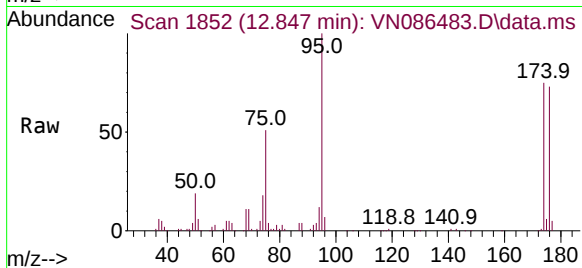




#81
trans-1,4-Dichloro-2-butene
Concen: 61.032 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

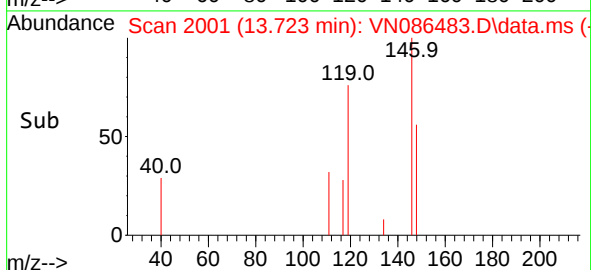
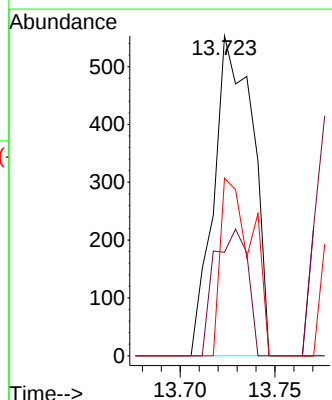
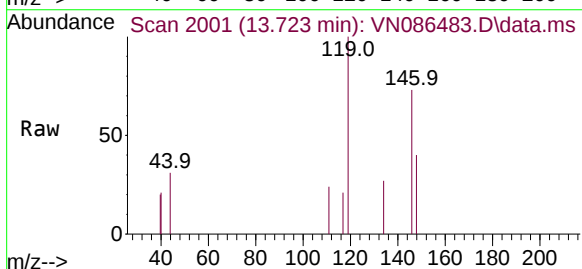
Instrument :
MSVOA_N
ClientSampleId :
IBLK

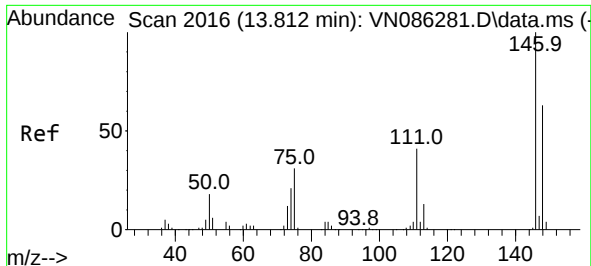
Tgt Ion: 75 Resp: 64617
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.215 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

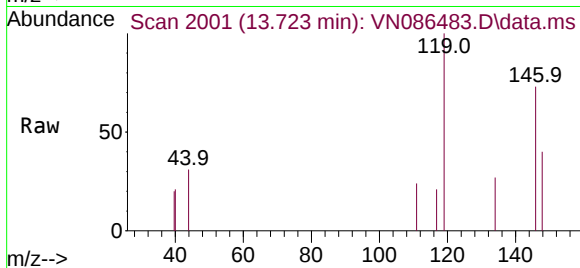
Tgt Ion: 146 Resp: 789
Ion Ratio Lower Upper
146 100
111 33.8 21.9 65.7
148 45.1 31.9 95.5





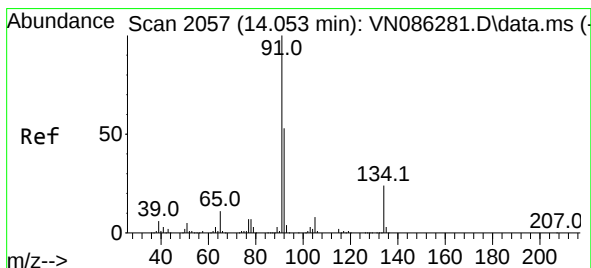
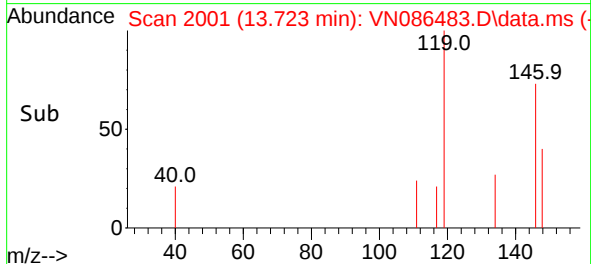
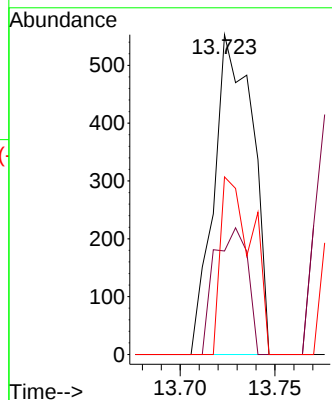
#88
 1,4-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.723 min Scan# 2016
 Delta R.T. -0.088 min
 Lab File: VN086483.D
 Acq: 05 May 2025 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:146 Resp: 789

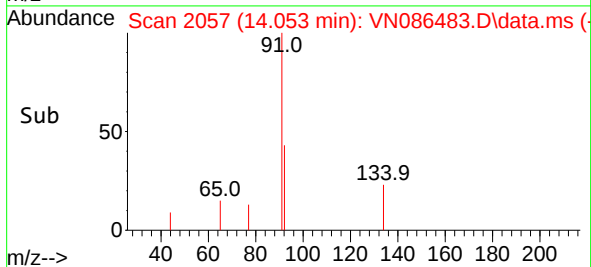
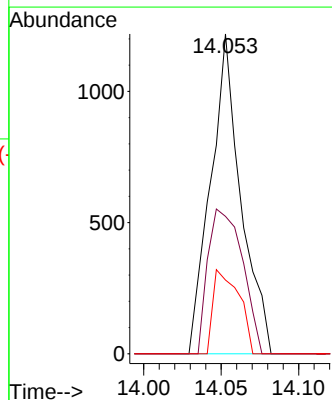
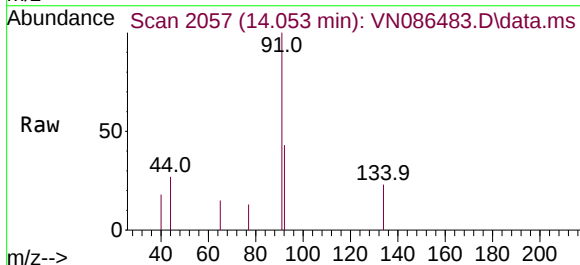
Ion	Ratio	Lower	Upper
146	100		
111	33.8	21.3	63.9
148	45.1	31.9	95.9

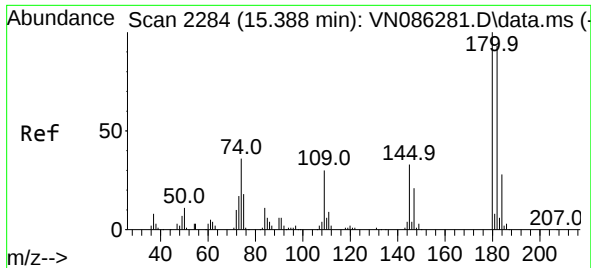


#89
 n-Butylbenzene
 Concen: 0.261 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN086483.D
 Acq: 05 May 2025 14:00

Tgt Ion: 91 Resp: 1656

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.8	80.4
134	22.4	12.2	36.6

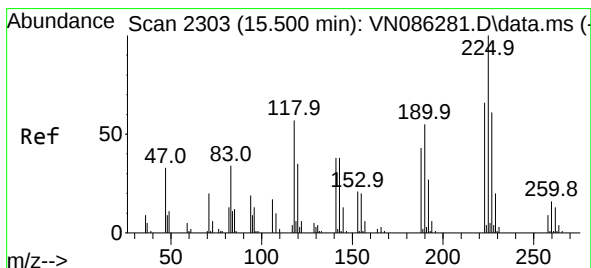
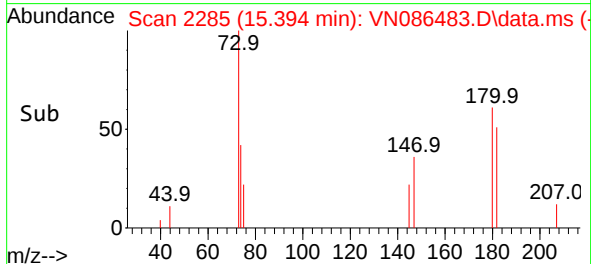
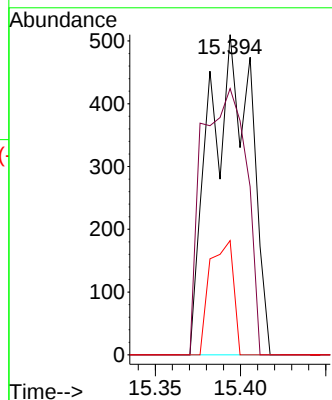
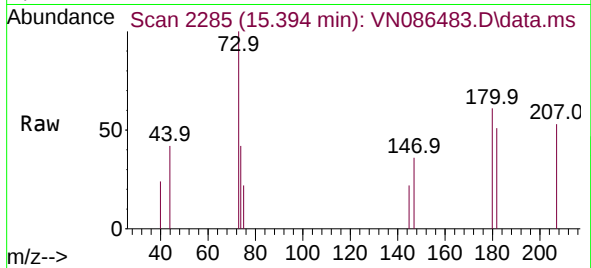




#93
1,2,4-Trichlorobenzene
Concen: 0.508 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

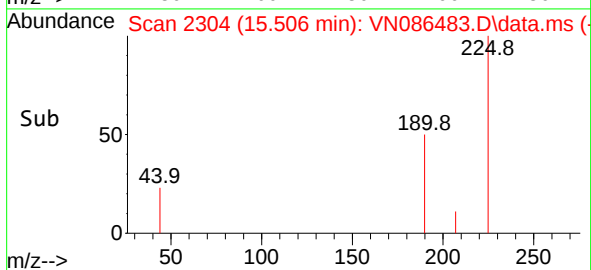
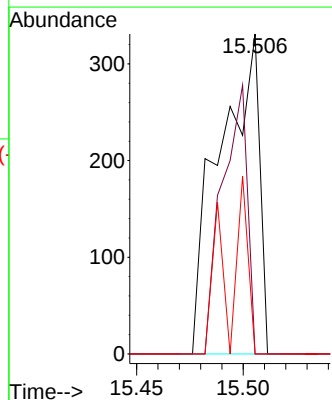
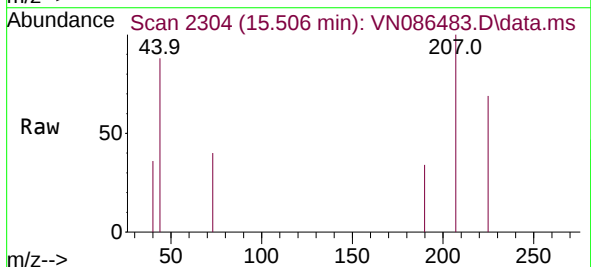
Instrument :
MSVOA_N
ClientSampleId :
IBLK

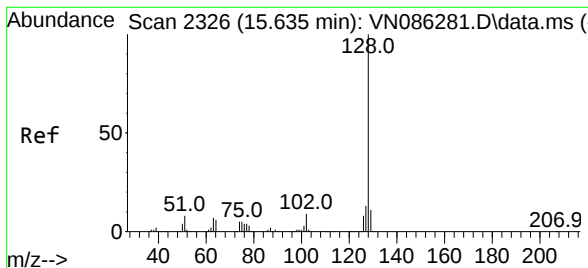
Tgt Ion:180 Resp: 866
Ion Ratio Lower Upper
180 100
182 88.7 47.0 141.0
145 20.2 16.4 49.1



#94
Hexachlorobutadiene
Concen: 0.664 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion:225 Resp: 427
Ion Ratio Lower Upper
225 100
223 53.2 32.8 98.3
227 12.9 31.4 94.0#

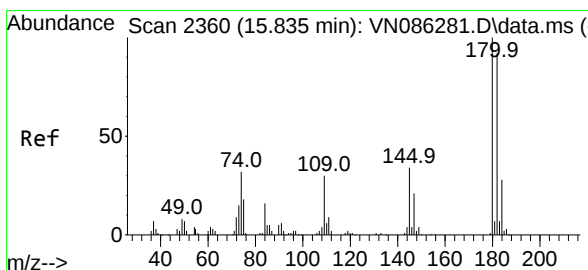
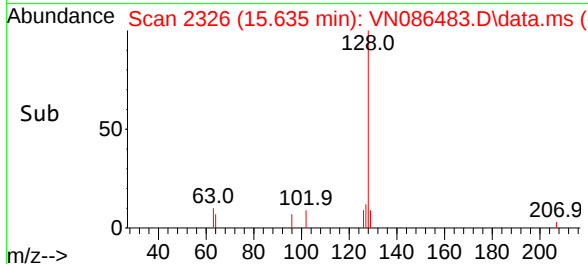
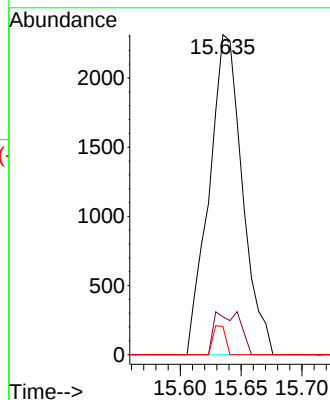
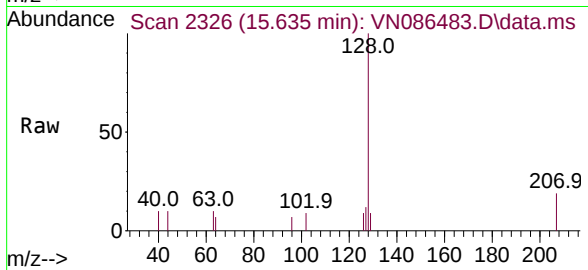




#95
Naphthalene
Concen: 0.728 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 4399
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.4
129 3.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.542 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086483.D
Acq: 05 May 2025 14:00

Tgt Ion:180 Resp: 874
Ion Ratio Lower Upper
180 100
182 100.0 47.3 142.0
145 7.8 17.2 51.5#

