

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086303.D
 Acq On : 16 Apr 2025 17:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 17 03:08:23 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)

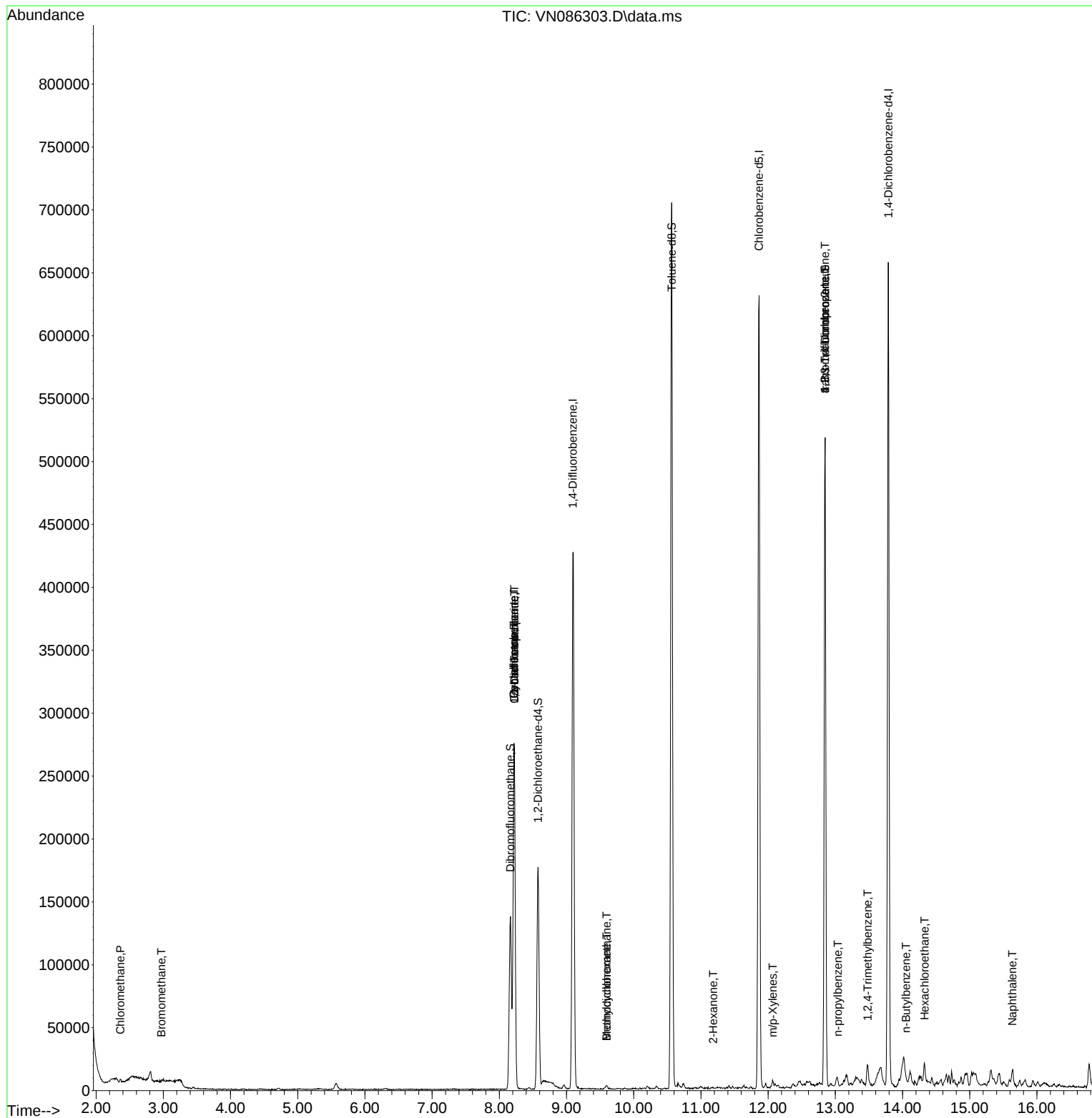
Internal Standards						
1) Pentafluorobenzene	8.218	168	199271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	388564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	369369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146444	50.680	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.360%			
35) Dibromofluoromethane	8.165	113	100601	55.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.560%			
50) Toluene-d8	10.565	98	495275	51.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.847	95	190802	54.276	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.560%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1844	0.537	ug/l	94
5) Bromomethane	2.971	94	415	0.282	ug/l	96
13) Acrolein	4.195	56	321	Below Cal		96
16) Acetone	4.436	43	922	Below Cal #		81
31) Cyclohexane	8.218	56	4992	1.066	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	17150	4.761	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20566	5.996	ug/l #	16
39) Methylcyclohexane	9.594	83	1225	0.286	ug/l #	85
43) Isopropyl Acetate	8.653	43	3951	Below Cal #		55
47) Bromodichloromethane	9.594	83	799	0.206	ug/l #	24
59) 2-Hexanone	11.182	43	635	0.220	ug/l #	23
68) m/p-Xylenes	12.071	106	1146	0.206	ug/l #	67
76) 1,2,3-Trichloropropane	12.847	75	94891	23.722	ug/l #	1
78) n-propylbenzene	13.035	91	4431	0.271	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	94891	56.972	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	10213	0.884	ug/l	97
89) n-Butylbenzene	14.053	91	4694	0.471	ug/l #	68
90) Hexachloroethane	14.329	117	783	0.414	ug/l #	19
95) Naphthalene	15.635	128	11790	1.240	ug/l #	96

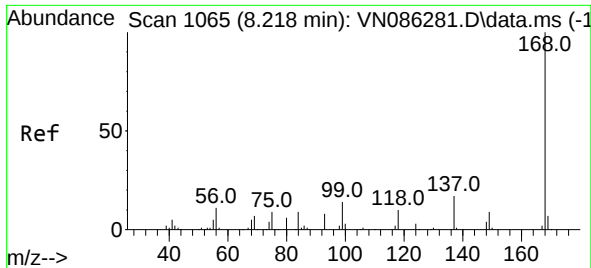
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
Data File : VN086303.D
Acq On : 16 Apr 2025 17:39
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

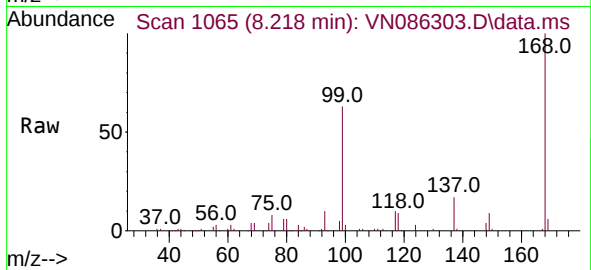
Quant Time: Apr 17 03:08:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



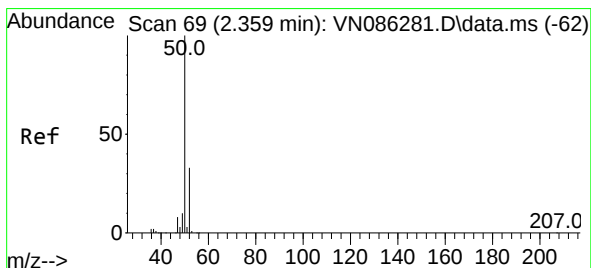
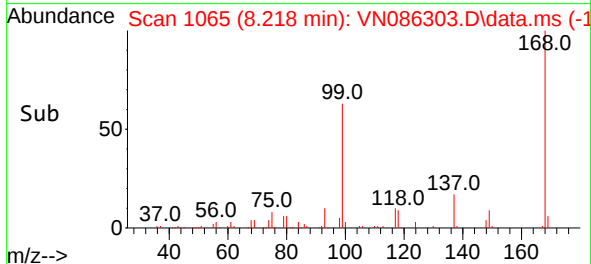
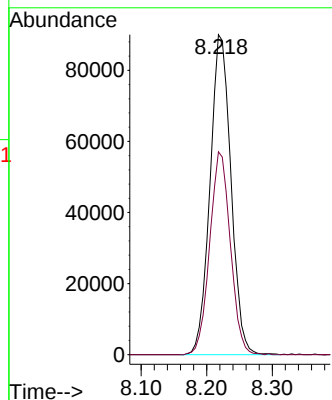


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :
IBLK

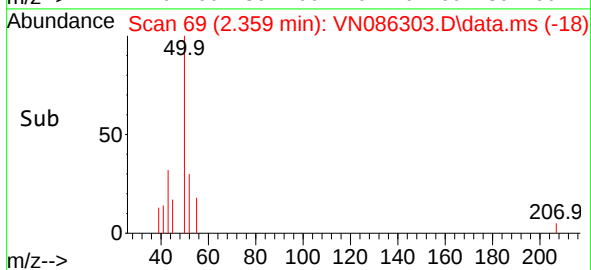
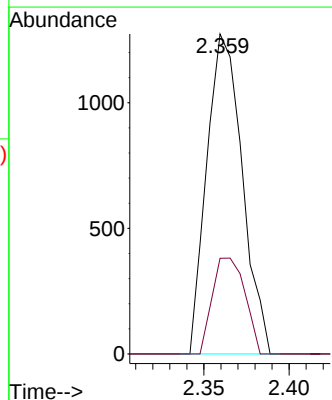
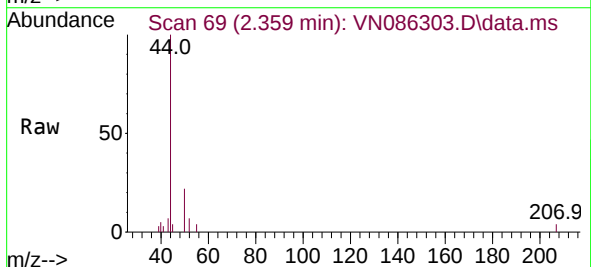


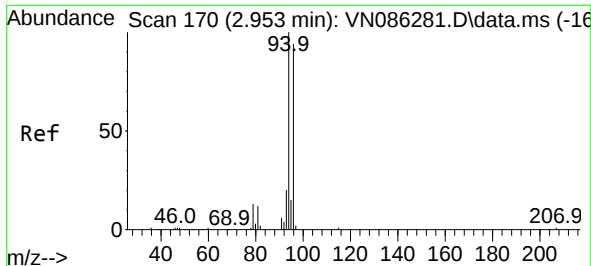
Tgt Ion:168 Resp: 199271
Ion Ratio Lower Upper
168 100
99 63.4 52.5 78.7



#3
Chloromethane
Concen: 0.537 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 50 Resp: 1844
Ion Ratio Lower Upper
50 100
52 29.9 26.5 39.7

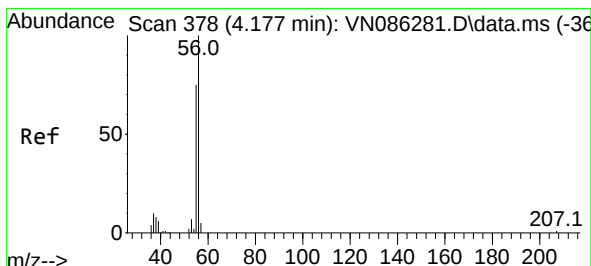
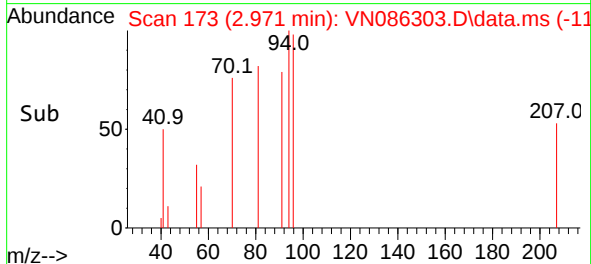
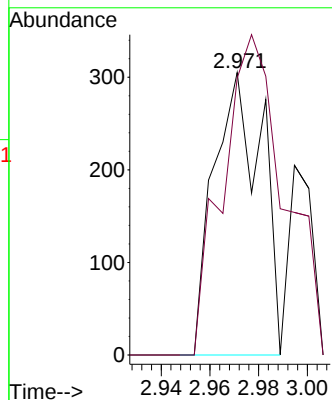
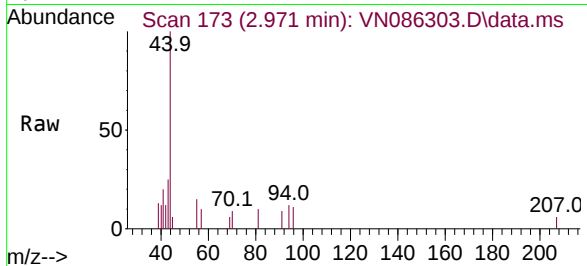




#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

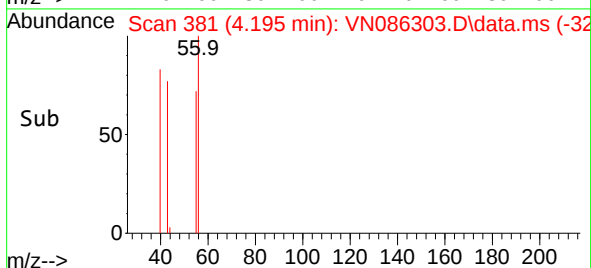
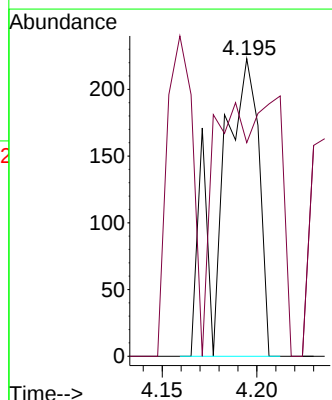
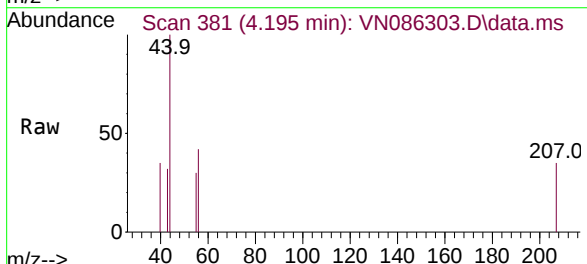
Instrument :
MSVOA_N
ClientSampleId :
IBLK

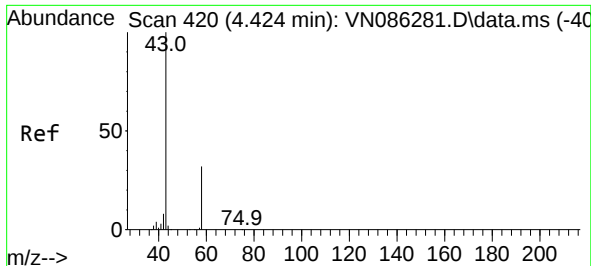
Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 98.0 75.2 112.8



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 76.6 58.5 87.7

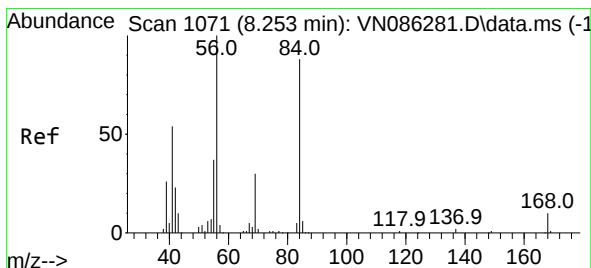
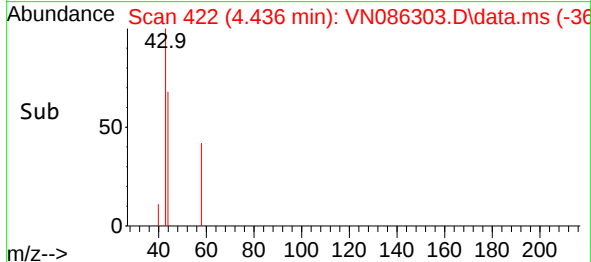
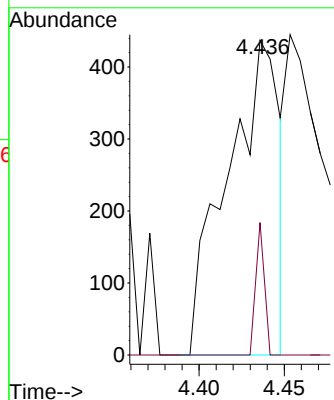
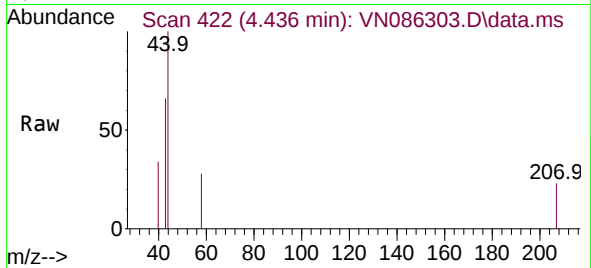




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

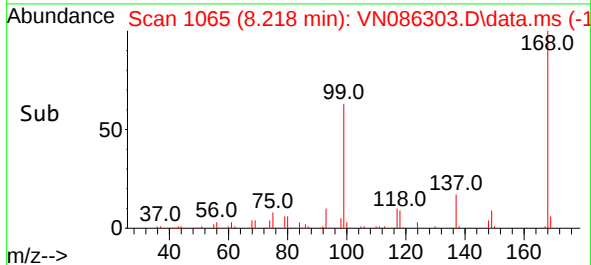
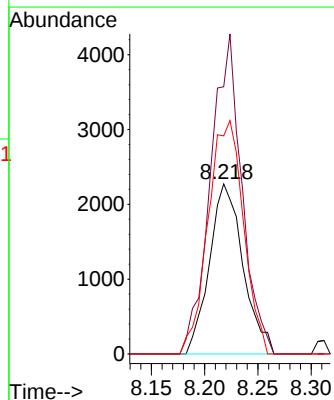
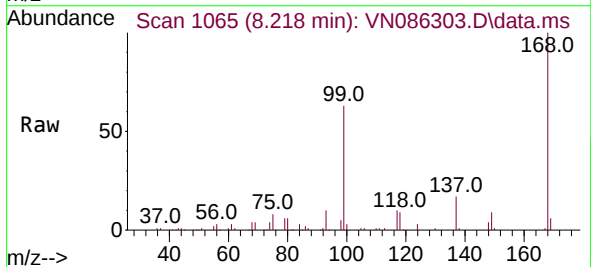
Instrument :
MSVOA_N
ClientSampleId :
IBLK

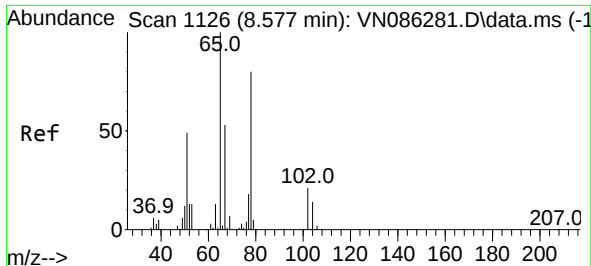
Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
58 42.1 25.3 37.9#



#31
Cyclohexane
Concen: 1.066 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 56 Resp: 4992
Ion Ratio Lower Upper
56 100
69 157.1 24.2 36.2#
84 128.2 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.680 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086303.D

Acq: 16 Apr 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

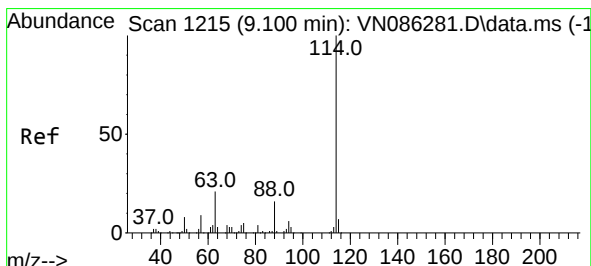
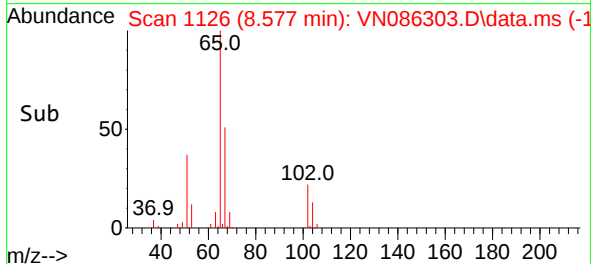
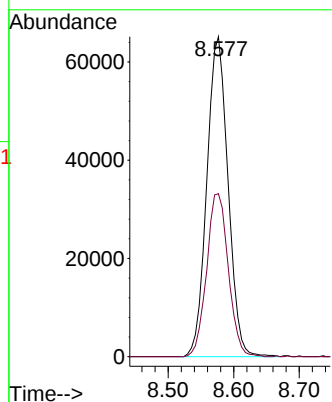
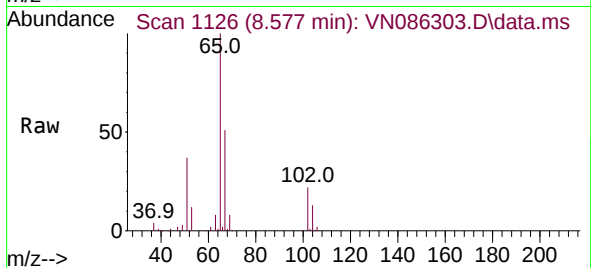
IBLK

Tgt Ion: 65 Resp: 146444

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086303.D

Acq: 16 Apr 2025 17:39

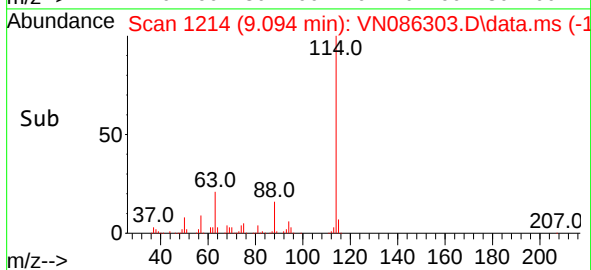
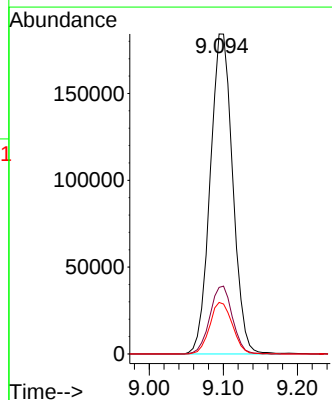
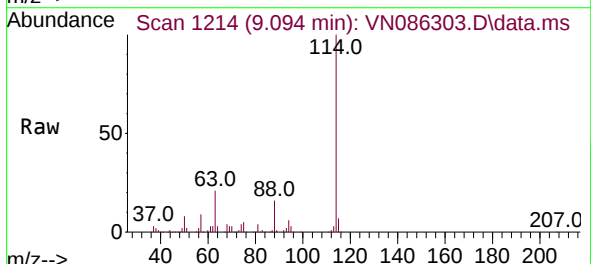
Tgt Ion: 114 Resp: 388564

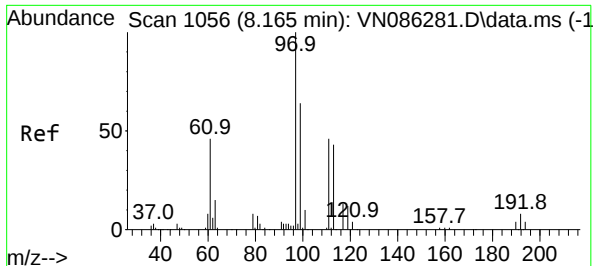
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.1 0.0 31.8

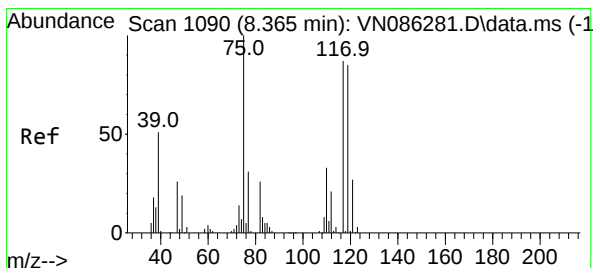
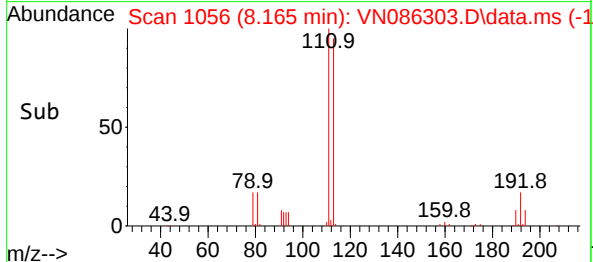
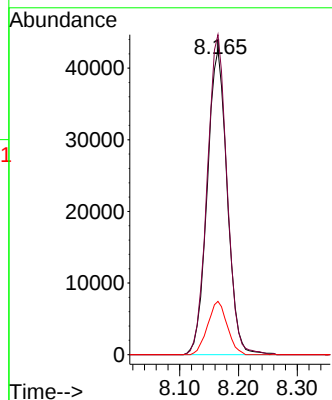
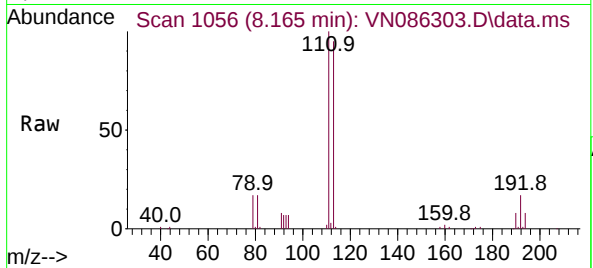




#35
Dibromofluoromethane
Concen: 55.785 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

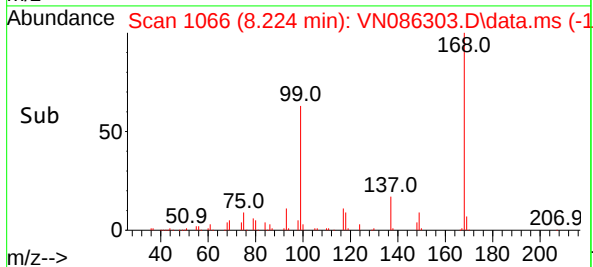
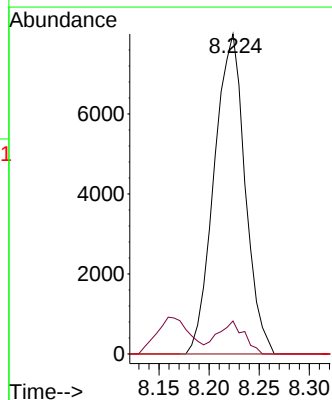
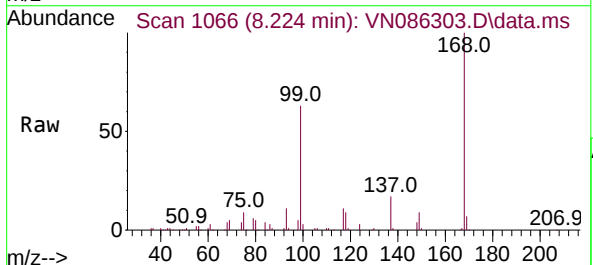
Instrument :
MSVOA_N
ClientSampleId :
IBLK

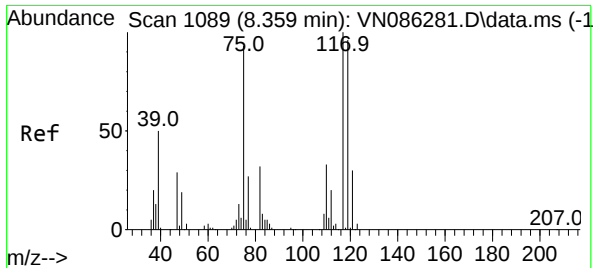
Tgt Ion:113 Resp: 100601
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.0
192 17.1 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 75 Resp: 17150
Ion Ratio Lower Upper
75 100
110 8.9 16.8 50.4#
77 0.0 24.9 37.3#

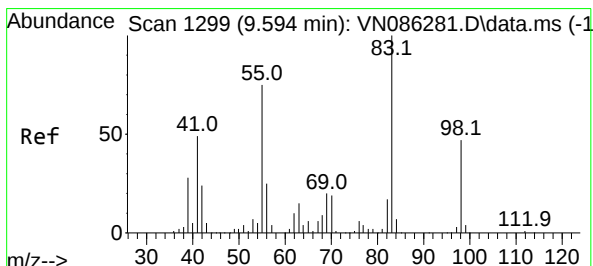
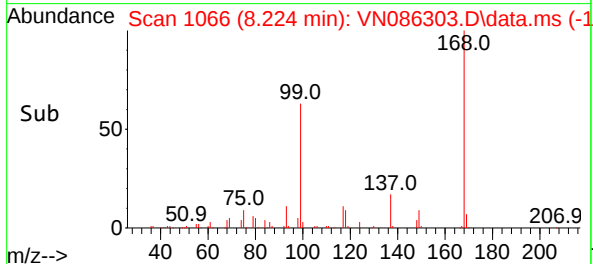
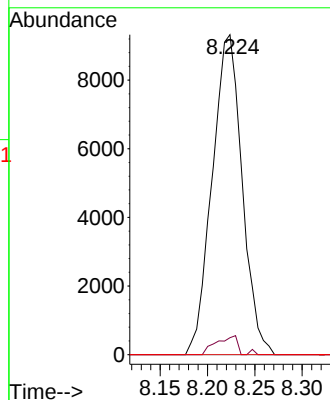
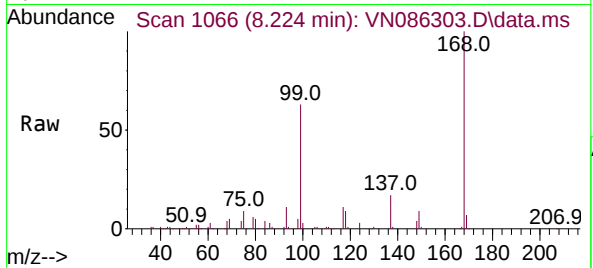




#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

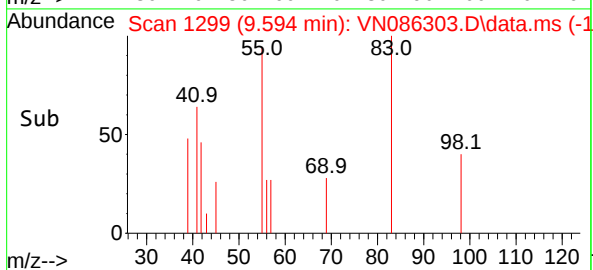
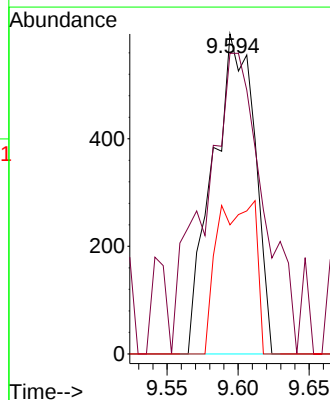
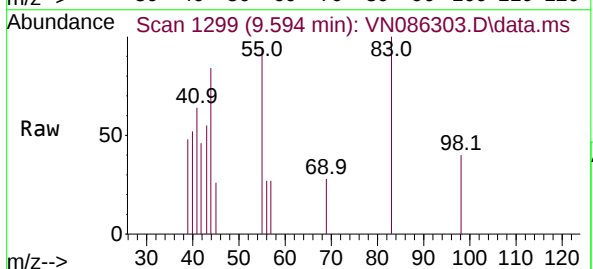
Instrument :
MSVOA_N
ClientSampleId :
IBLK

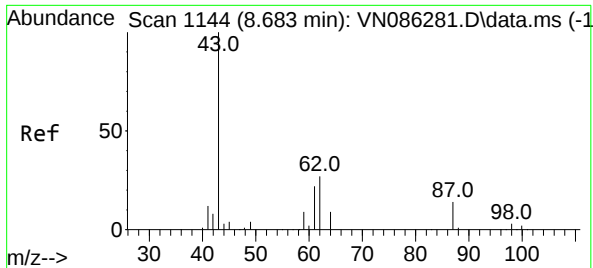
Tgt Ion:117 Resp: 20566
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.286 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 83 Resp: 1225
Ion Ratio Lower Upper
83 100
55 59.3 59.8 89.8#
98 40.3 37.9 56.9

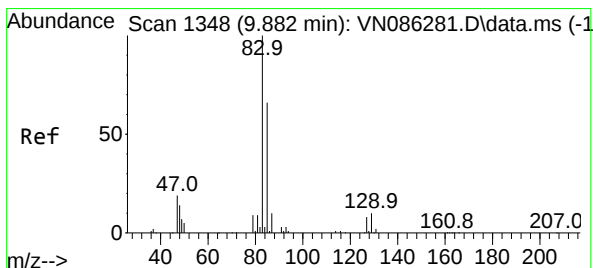
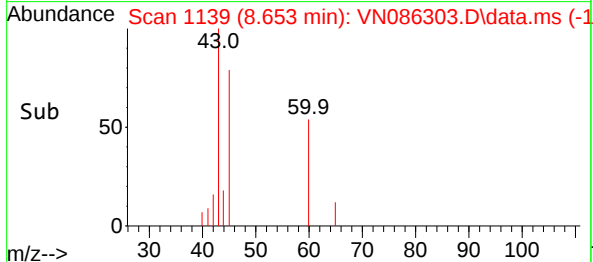
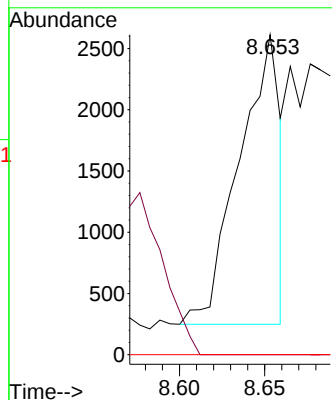
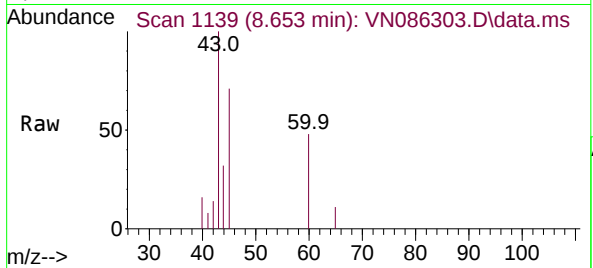




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.653 min Scan# 1144
Delta R.T. -0.030 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

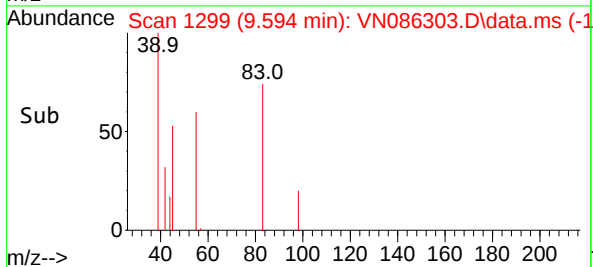
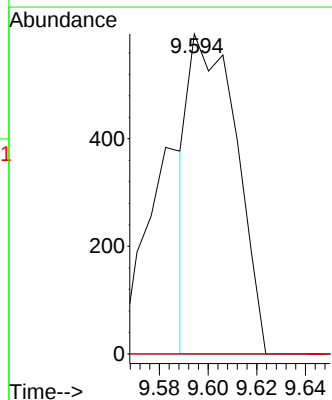
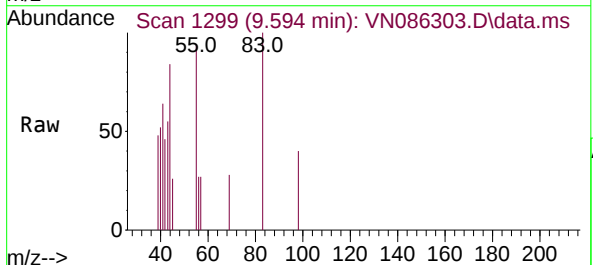
Instrument :
MSVOA_N
ClientSampleId :
IBLK

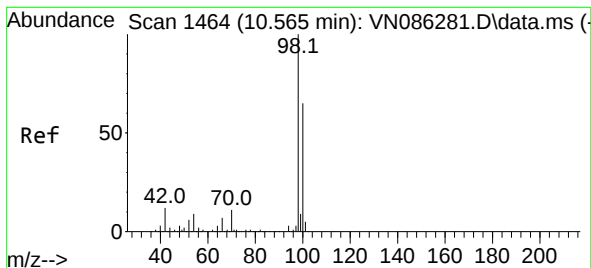
Tgt Ion: 43 Resp: 3951
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#47
Bromodichloromethane
Concen: 0.206 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.288 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 83 Resp: 799
Ion Ratio Lower Upper
83 100
85 0.0 52.6 78.8#
127 0.0 6.1 9.1#

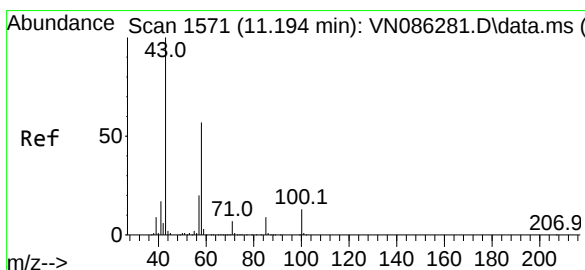
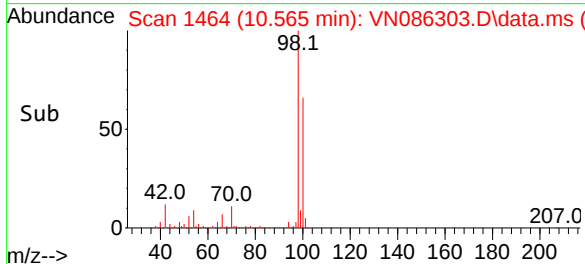
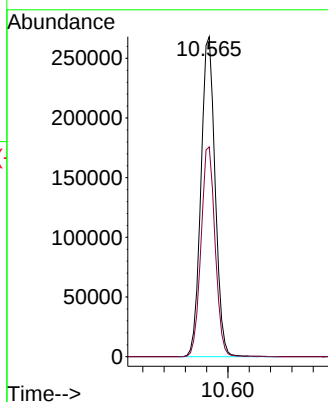
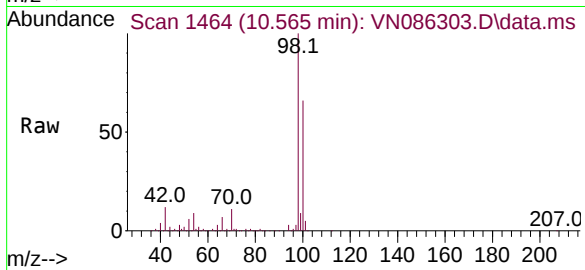




#50
Toluene-d8
Concen: 51.387 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

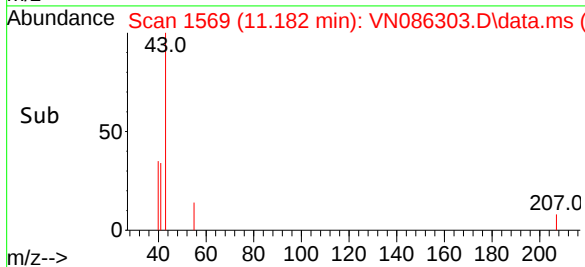
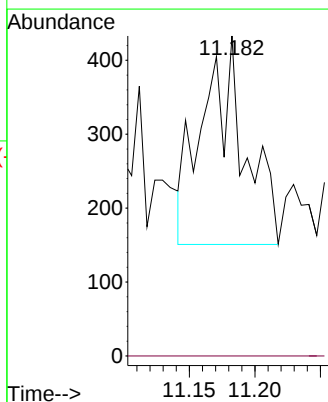
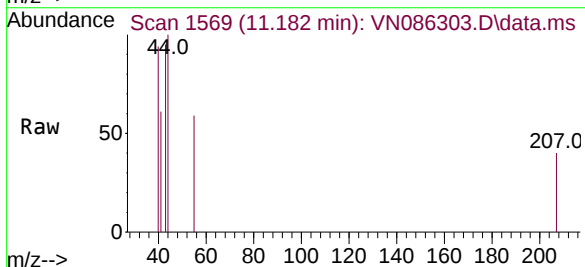
Instrument :
MSVOA_N
ClientSampleId :
IBLK

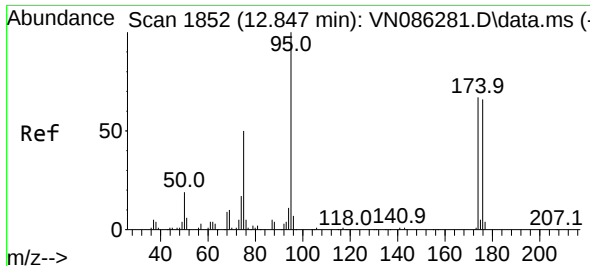
Tgt Ion: 98 Resp: 495275
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#59
2-Hexanone
Concen: 0.220 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.012 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#

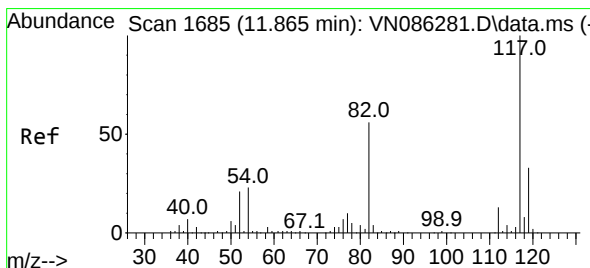
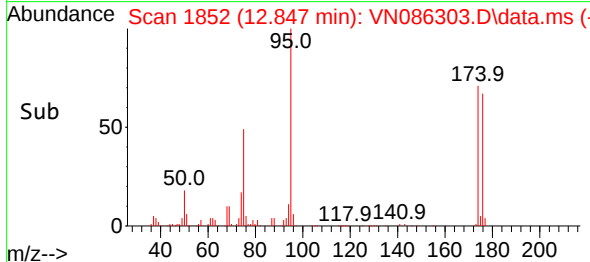
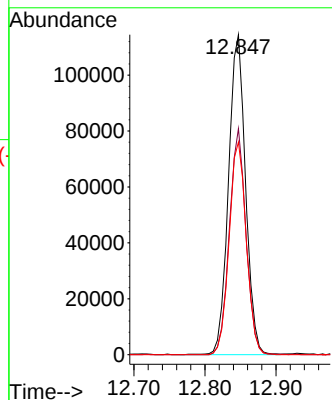
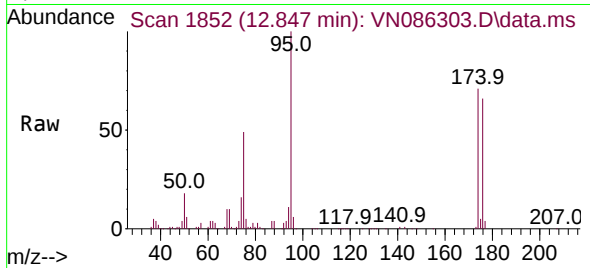




#62
4-Bromofluorobenzene
Concen: 54.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

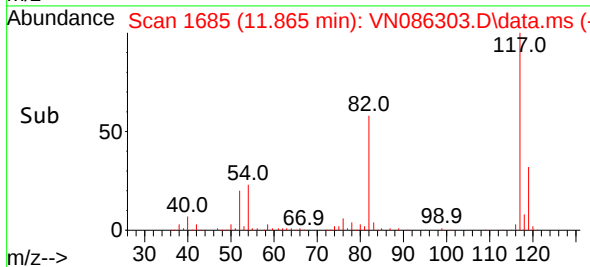
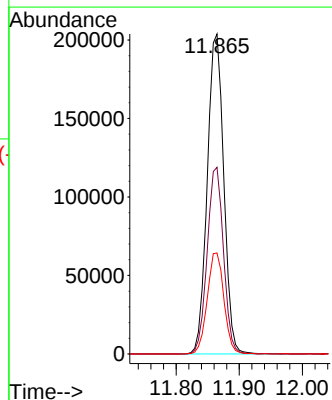
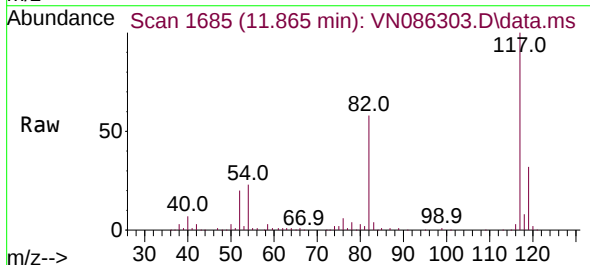
Instrument :
MSVOA_N
ClientSampleId :
IBLK

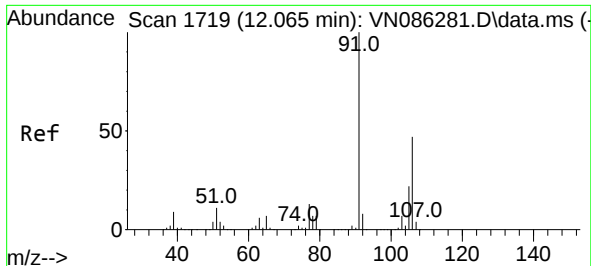
Tgt Ion: 95 Resp: 190802
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 66.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 117 Resp: 369369
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 31.6 26.4 39.6

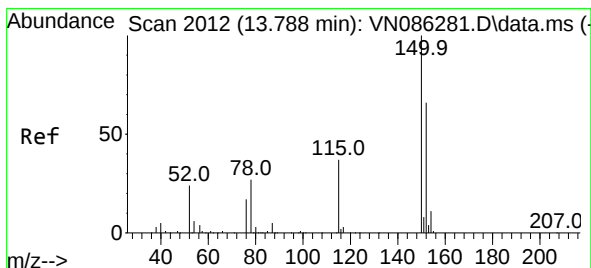
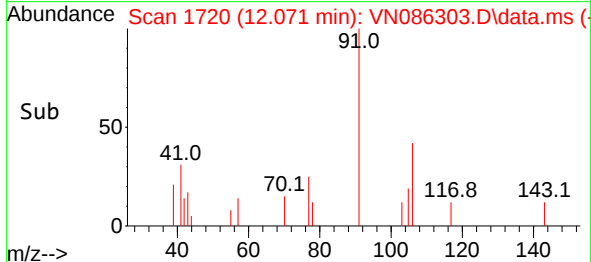
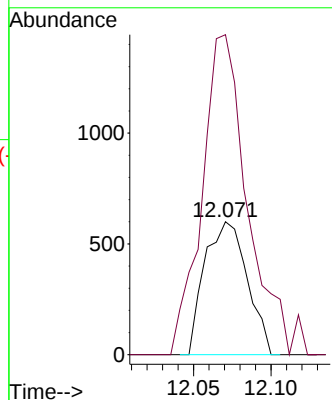
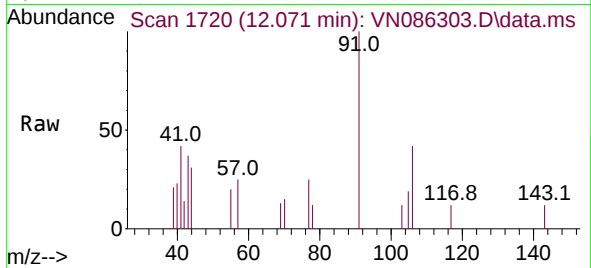




#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

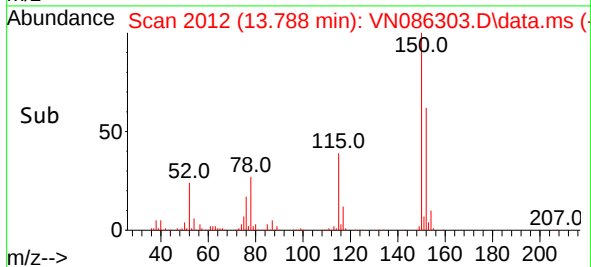
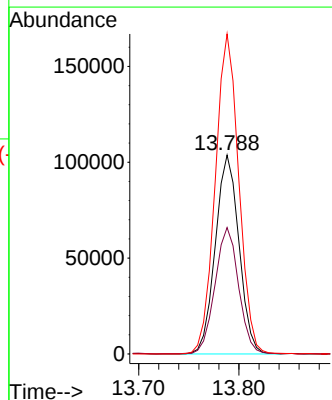
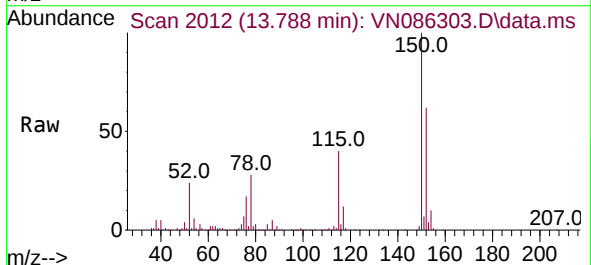
Instrument :
MSVOA_N
ClientSampleId :
IBLK

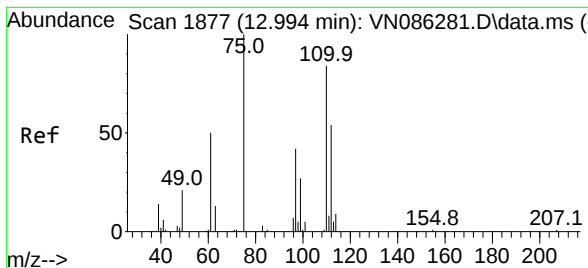
Tgt Ion:106 Resp: 1146
Ion Ratio Lower Upper
106 100
91 259.7 166.5 249.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion:152 Resp: 169507
Ion Ratio Lower Upper
152 100
115 63.7 31.9 95.9
150 160.3 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 23.722 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086303.D

Acq: 16 Apr 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

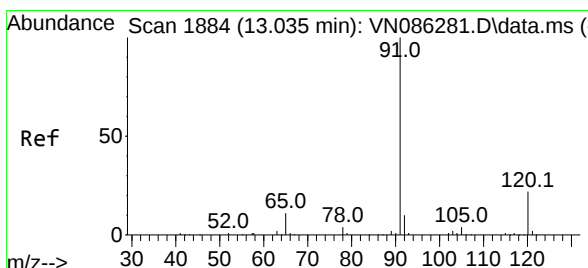
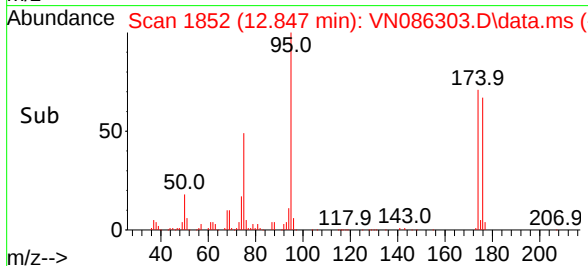
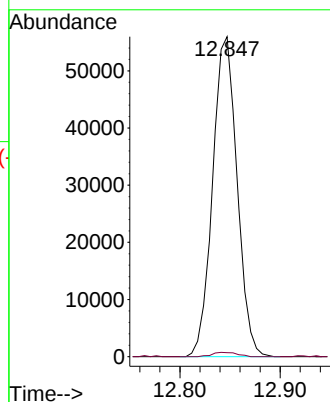
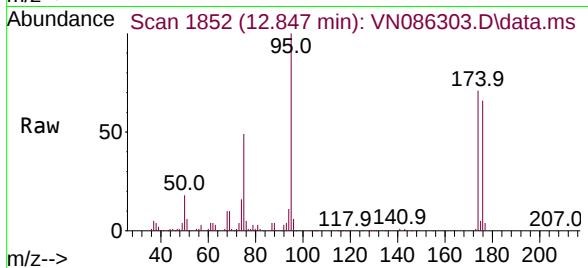
IBLK

Tgt Ion: 75 Resp: 94891

Ion Ratio Lower Upper

75 100

77 1.4 98.8 296.4#



#78

n-propylbenzene

Concen: 0.271 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN086303.D

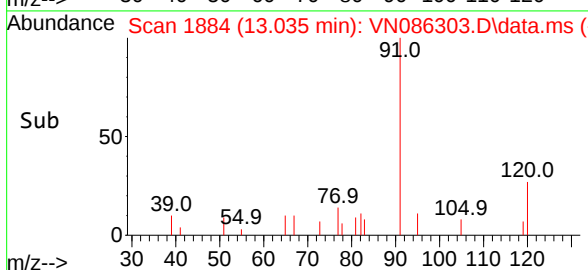
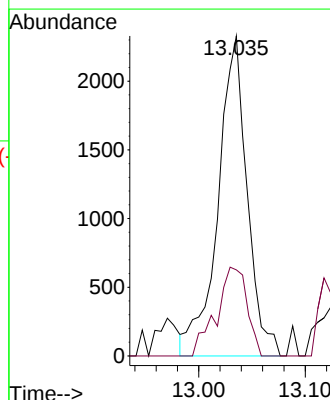
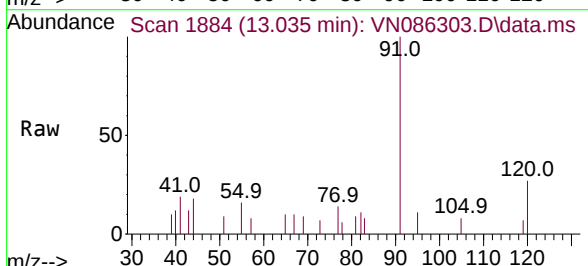
Acq: 16 Apr 2025 17:39

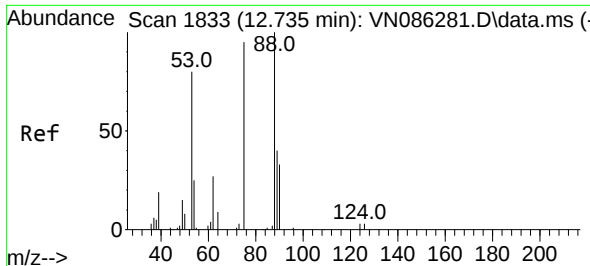
Tgt Ion: 91 Resp: 4431

Ion Ratio Lower Upper

91 100

120 29.1 11.1 33.3

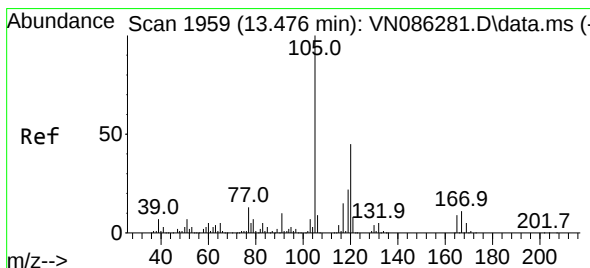
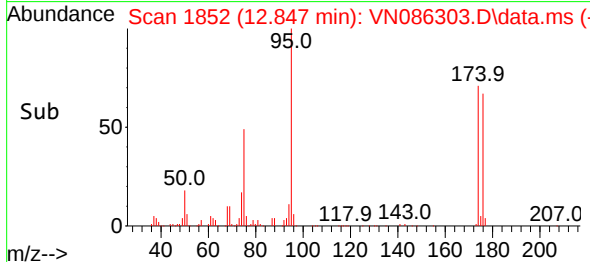
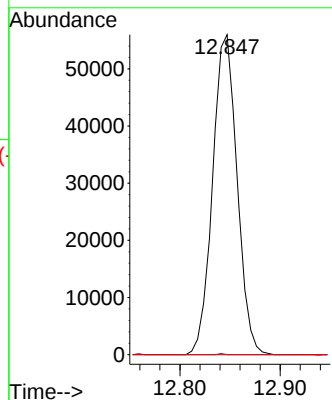
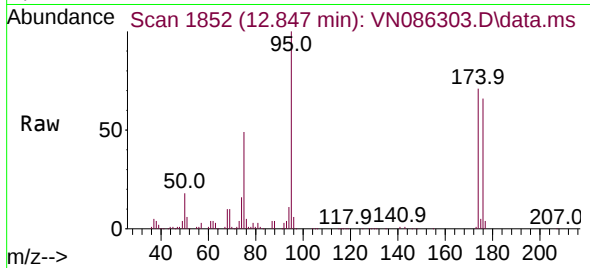




#81
trans-1,4-Dichloro-2-butene
Concen: 56.972 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

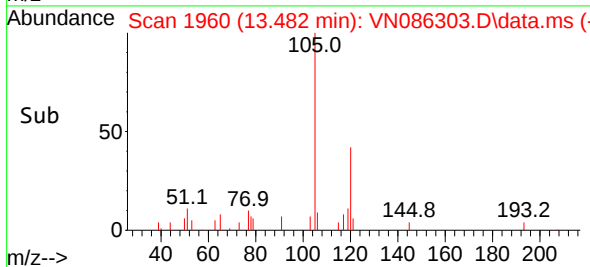
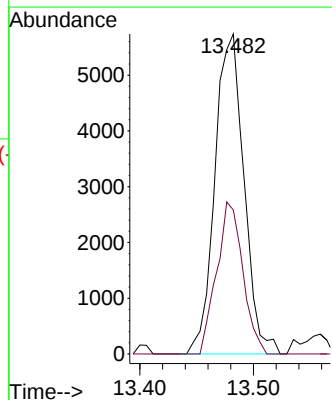
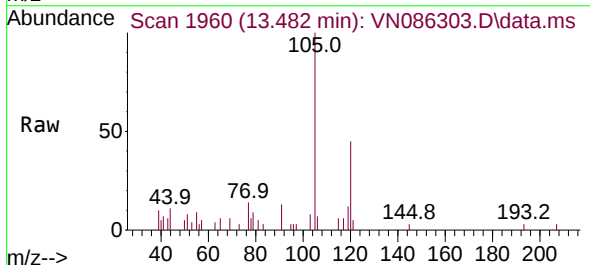
Instrument :
MSVOA_N
ClientSampleId :
IBLK

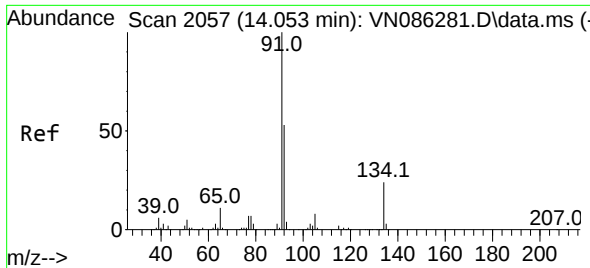
Tgt Ion: 75 Resp: 94891
Ion Ratio Lower Upper
75 100
53 0.1 79.2 118.8#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.884 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 105 Resp: 10213
Ion Ratio Lower Upper
105 100
120 42.7 22.4 67.3

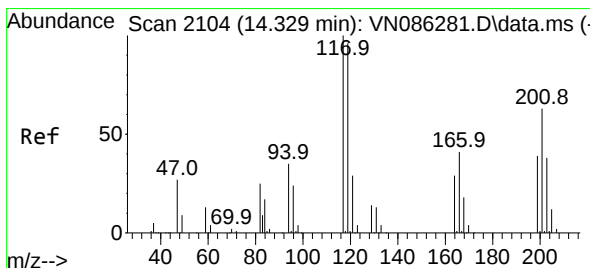
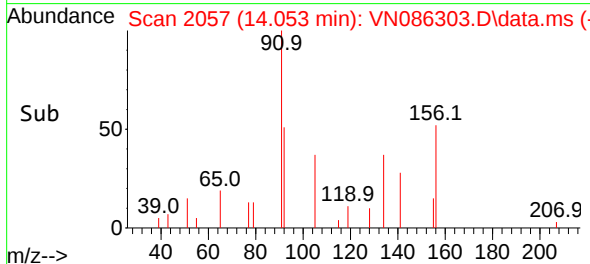
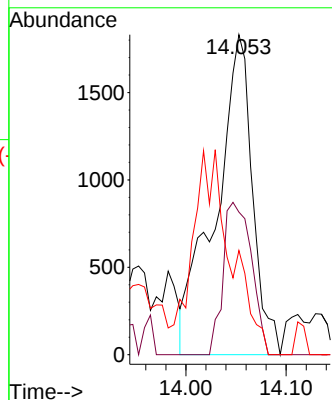
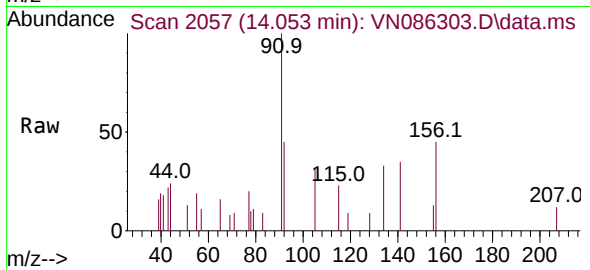




#89
n-Butylbenzene
Concen: 0.471 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

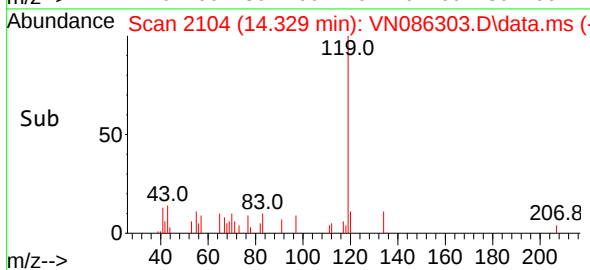
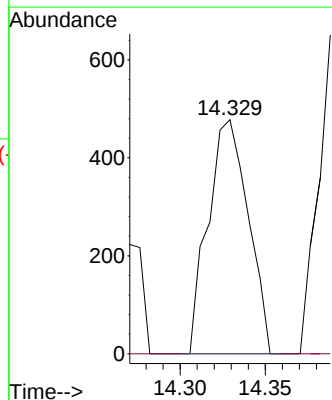
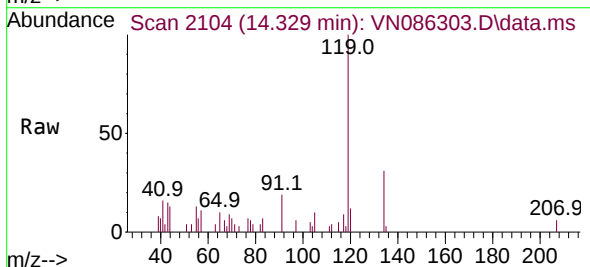
Instrument :
MSVOA_N
ClientSampleId :
IBLK

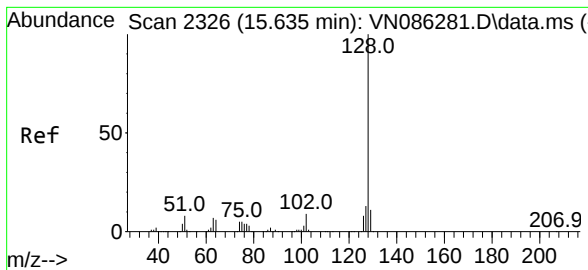
Tgt Ion: 91 Resp: 4694
Ion Ratio Lower Upper
91 100
92 36.5 26.8 80.4
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 0.414 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

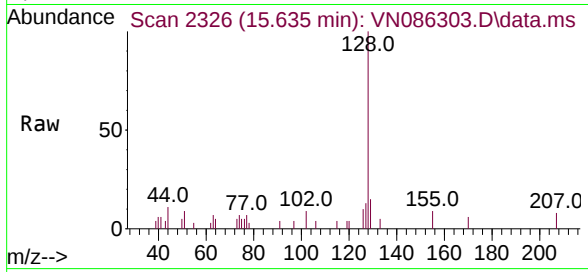
Tgt Ion: 117 Resp: 783
Ion Ratio Lower Upper
117 100
201 0.0 31.4 94.2#





#95
 Naphthalene
 Concen: 1.240 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN086303.D
 Acq: 16 Apr 2025 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	128	Resp:	11790
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	13.7	8.6	13.0

