

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084576.D
 Acq On : 30 Oct 2024 14:42
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Oct 31 18:28:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

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

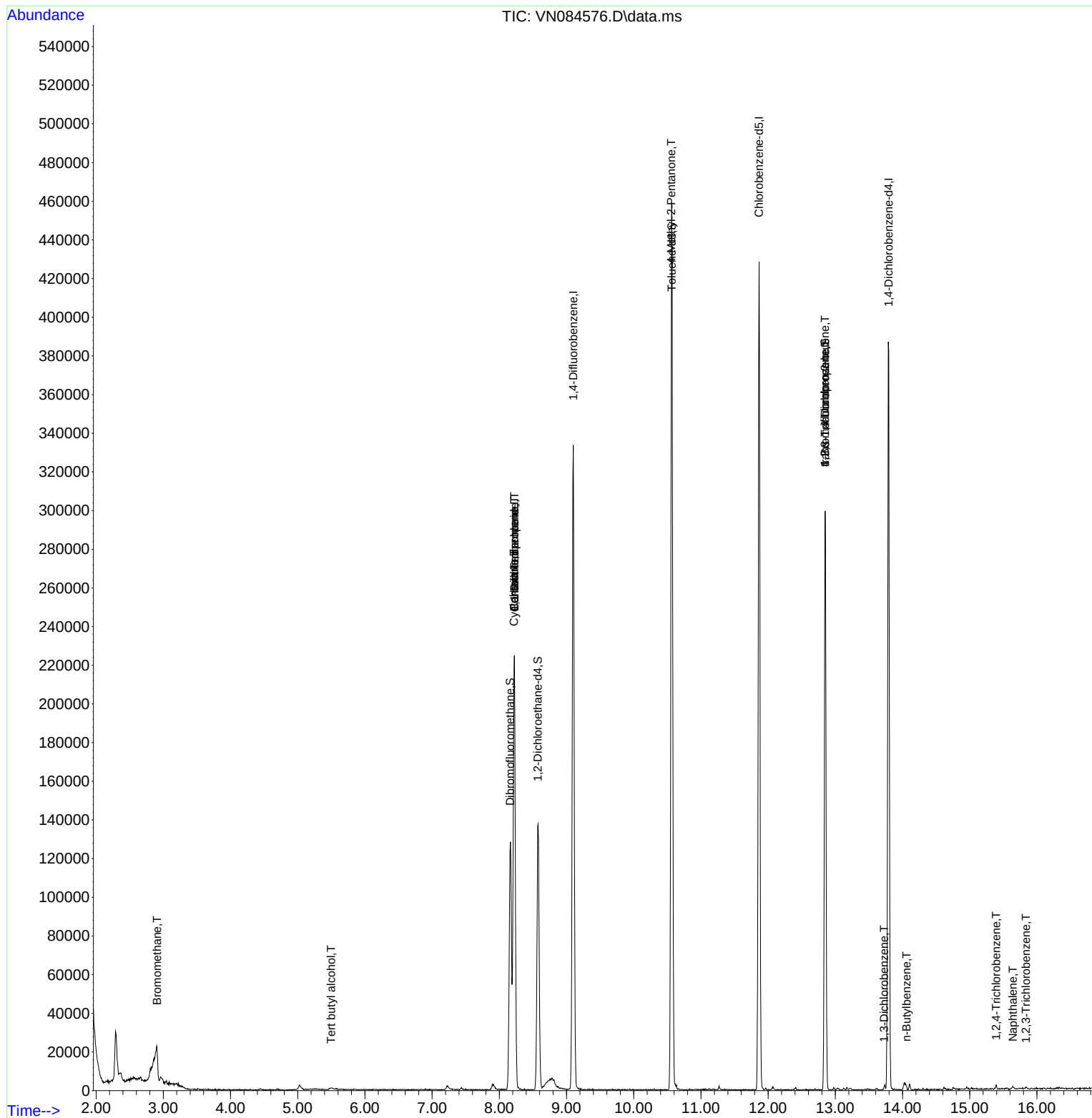
Internal Standards						
1) Pentafluorobenzene	8.224	168	158882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	116222	50.646	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.300%		
35) Dibromofluoromethane	8.159	113	92586	48.659	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.320%		
50) Toluene-d8	10.565	98	317554	45.306	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.620%		
62) 4-Bromofluorobenzene	12.847	95	105673	40.340	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 80.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3164	Below Cal		99
5) Bromomethane	2.906	94	442	0.425 ug/l		96
6) Chloroethane	3.089	64	376	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	636	2.100 ug/l	#	73
16) Acetone	4.436	43	1460	Below Cal	#	44
18) Methyl Acetate	5.018	43	4251	Below Cal		97
31) Cyclohexane	8.218	56	3734	1.179 ug/l	#	1
36) 1,1-Dichloropropene	8.224	75	13406	5.080 ug/l	#	51
38) Carbon Tetrachloride	8.224	117	17473	5.924 ug/l	#	13
43) Isopropyl Acetate	8.700	43	4042	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.559	43	1356	0.594 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	54079	26.321 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54079	62.444 ug/l	#	11
87) 1,3-Dichlorobenzene	13.723	146	919	0.243 ug/l		92
88) 1,4-Dichlorobenzene	13.723	146	919	Below Cal		92
89) n-Butylbenzene	14.059	91	1243	0.232 ug/l	#	64
93) 1,2,4-Trichlorobenzene	15.394	180	565	0.284 ug/l		71
95) Naphthalene	15.641	128	1826	0.307 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.835	180	518	0.268 ug/l	#	69

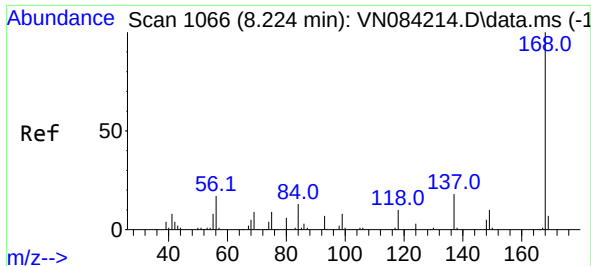
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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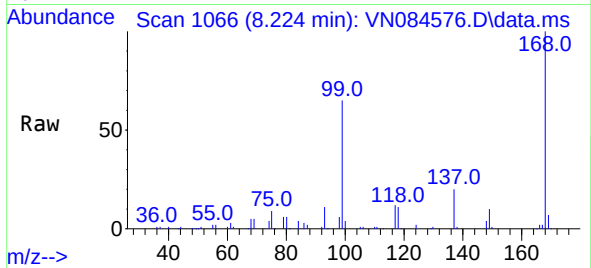
Quant Time: Oct 31 18:28:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration



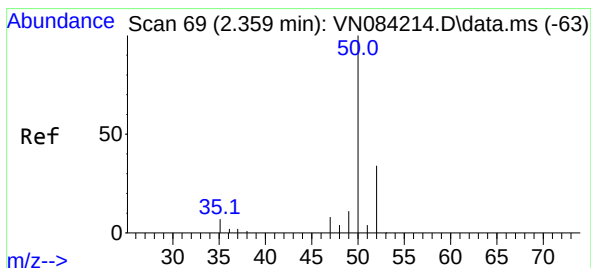
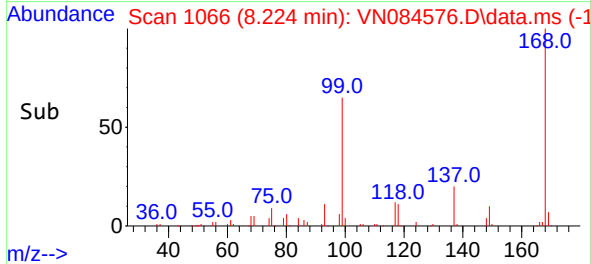
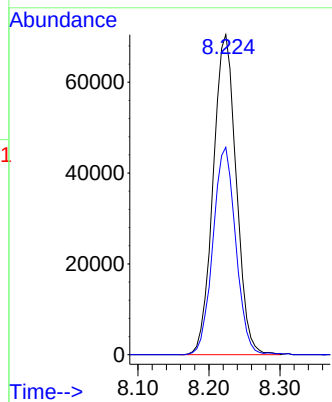


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

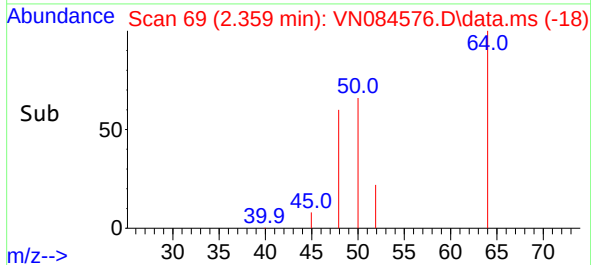
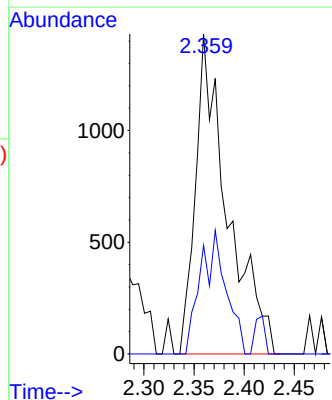
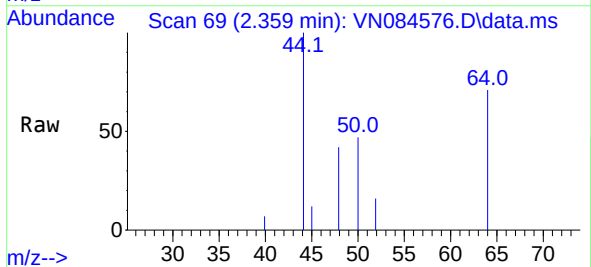


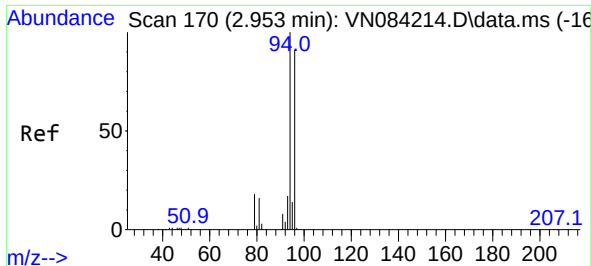
Tgt Ion:168 Resp: 158882
Ion Ratio Lower Upper
168 100
99 64.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 50 Resp: 3164
Ion Ratio Lower Upper
50 100
52 33.9 26.8 40.2

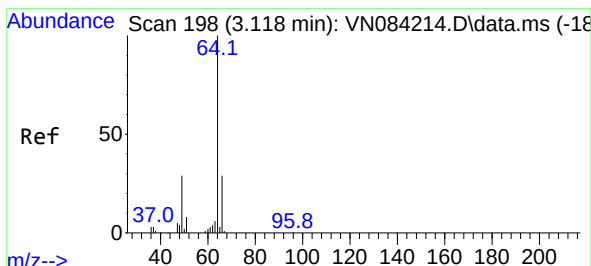
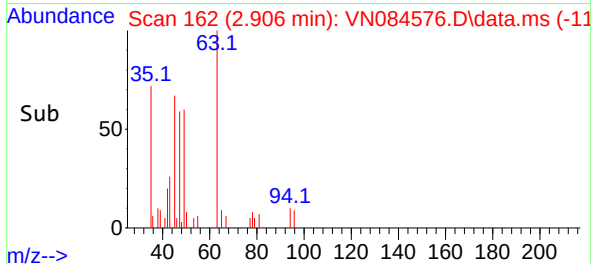
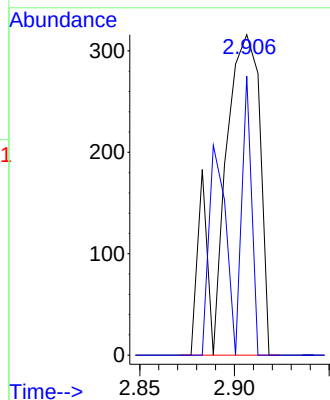
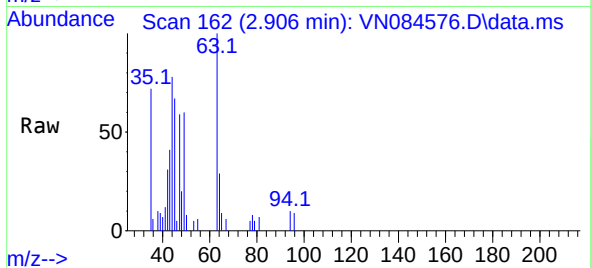




#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

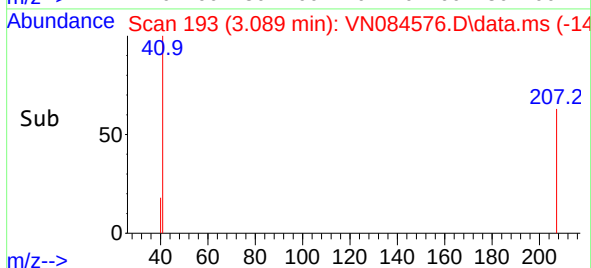
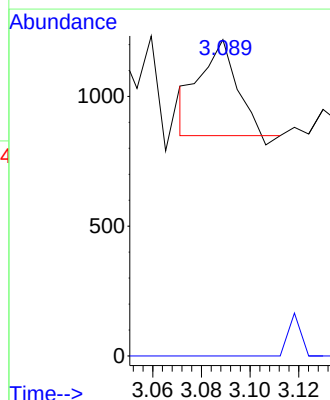
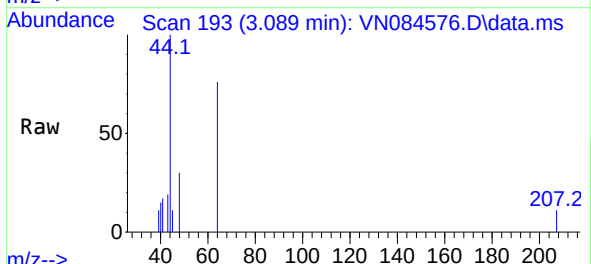
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

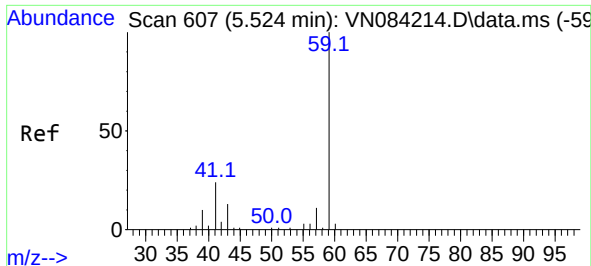
Tgt Ion: 94 Resp: 442
Ion Ratio Lower Upper
94 100
96 87.0 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

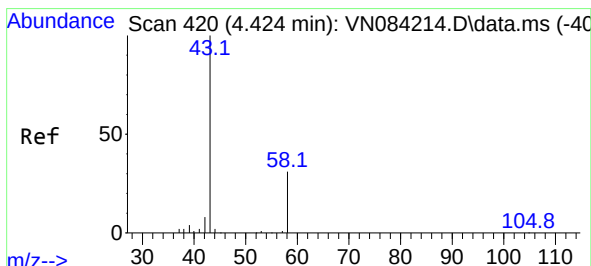
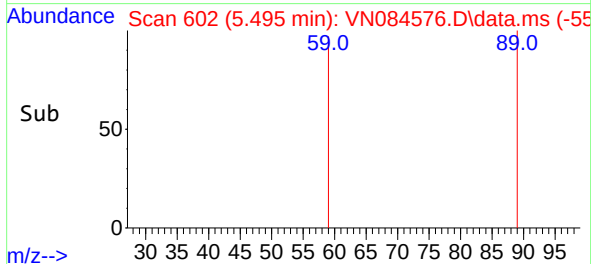
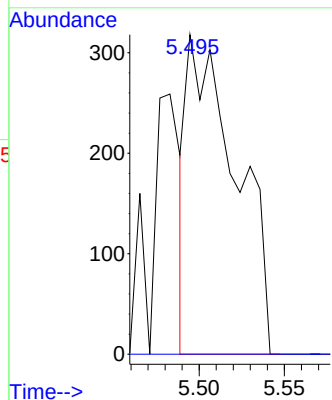
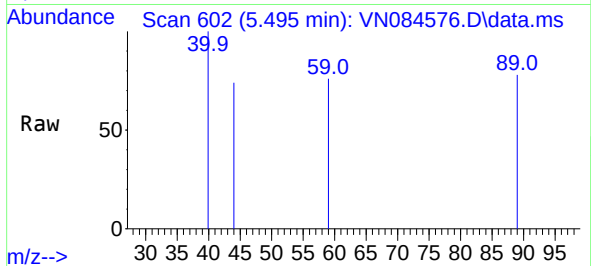




#11
Tert butyl alcohol
Concen: 2.100 ug/l
RT: 5.495 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

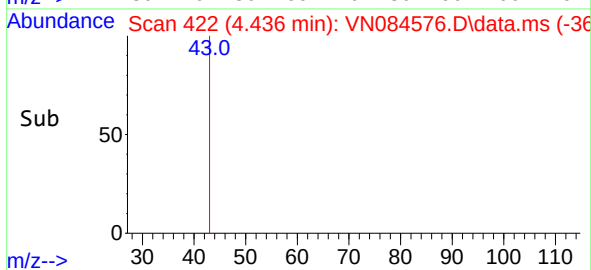
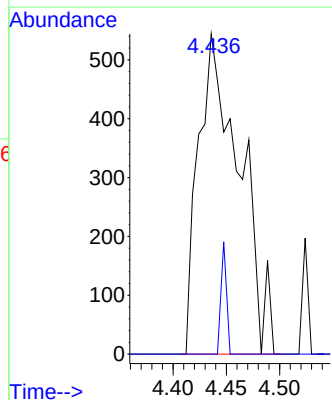
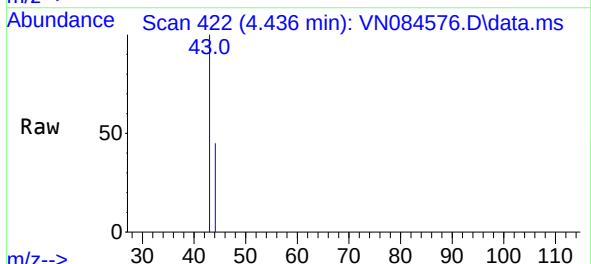
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

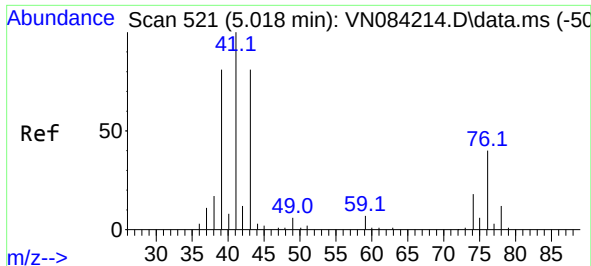
Tgt Ion: 59 Resp: 636
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

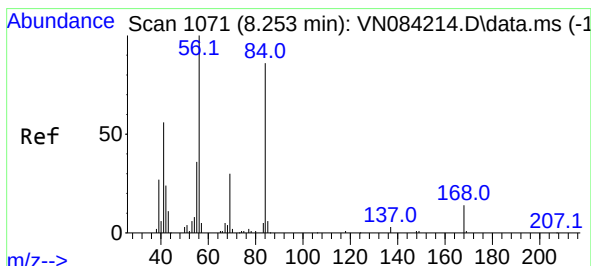
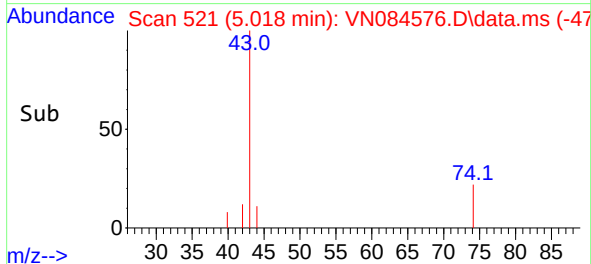
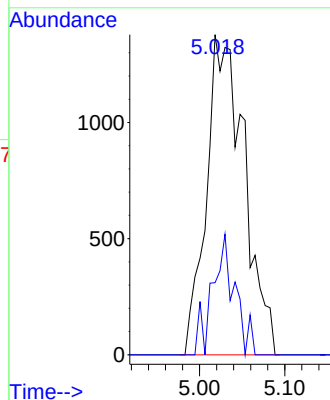
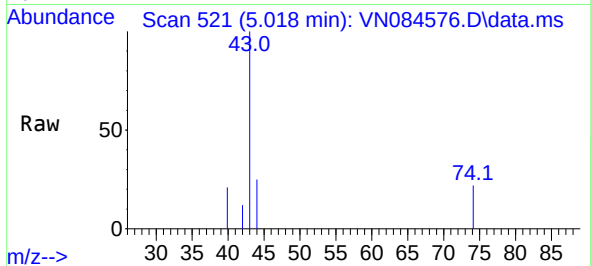




#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

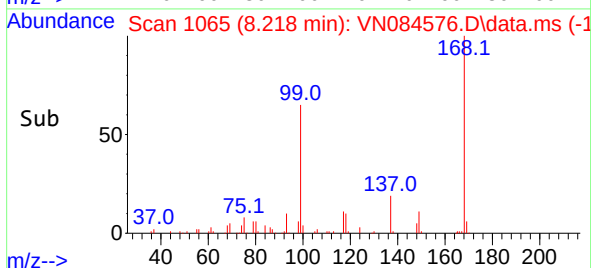
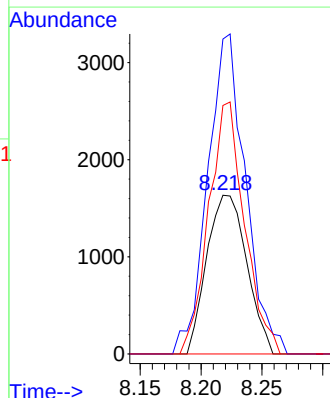
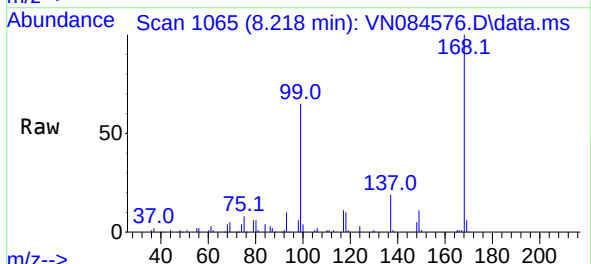
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

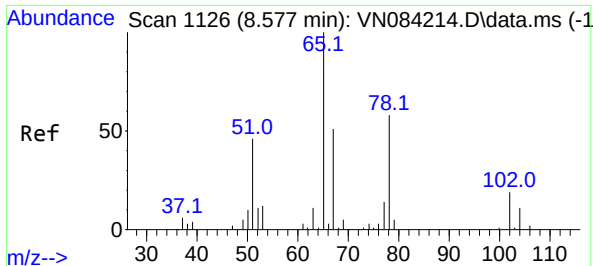
Tgt Ion: 43 Resp: 4251
Ion Ratio Lower Upper
43 100
74 22.3 19.2 28.8



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 56 Resp: 3734
Ion Ratio Lower Upper
56 100
69 186.9 23.8 35.6#
84 156.5 68.8 103.2#

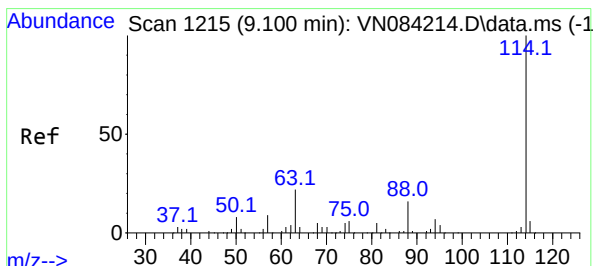
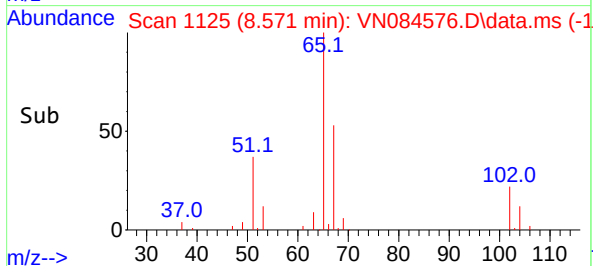
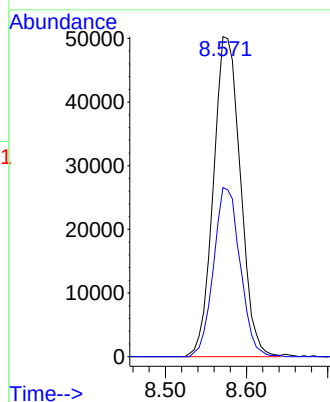
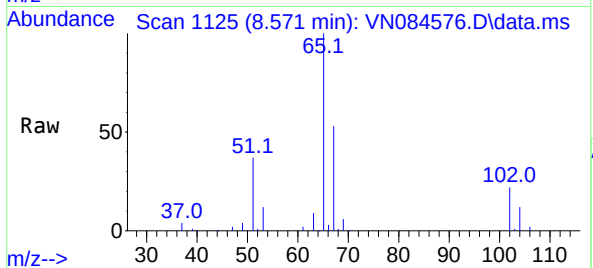




#33
1,2-Dichloroethane-d4
Concen: 50.646 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

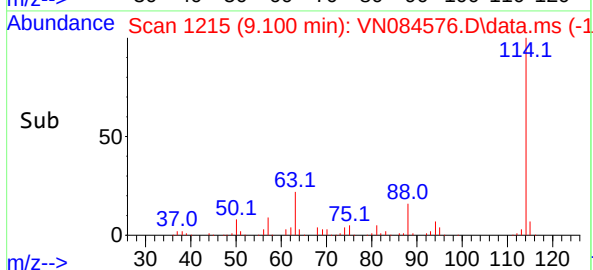
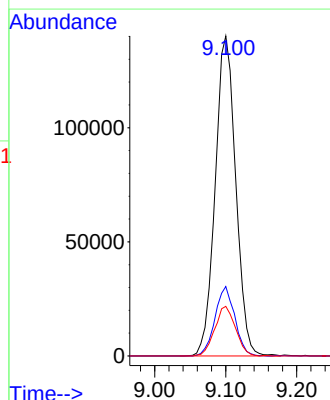
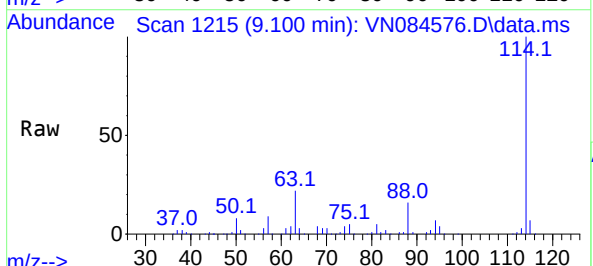
Instrument :
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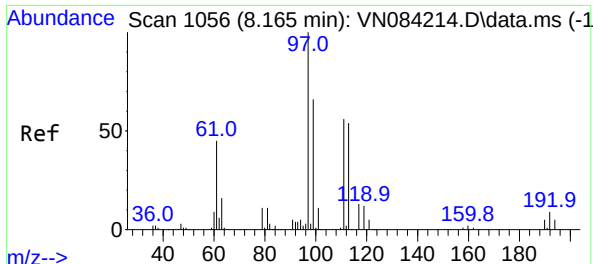
Tgt Ion: 65 Resp: 116222
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

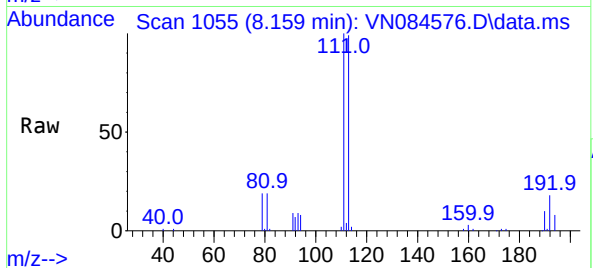
Tgt Ion: 114 Resp: 281107
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.8
88 15.5 0.0 31.6



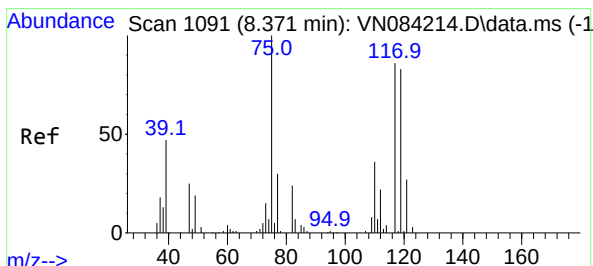
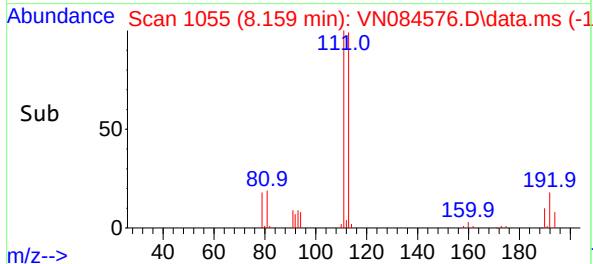
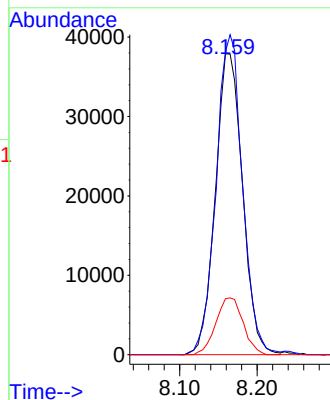


#35
Dibromofluoromethane
Concen: 48.659 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Instrument :
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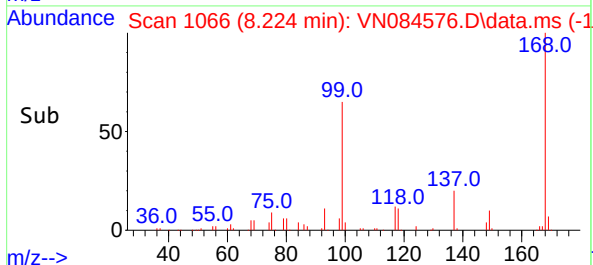
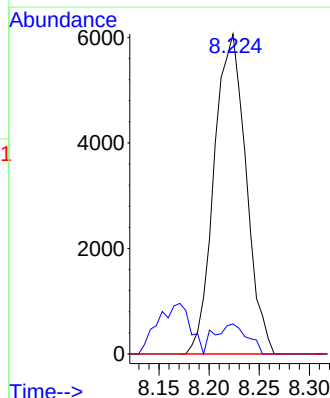
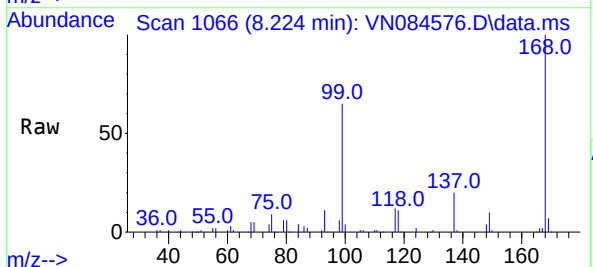


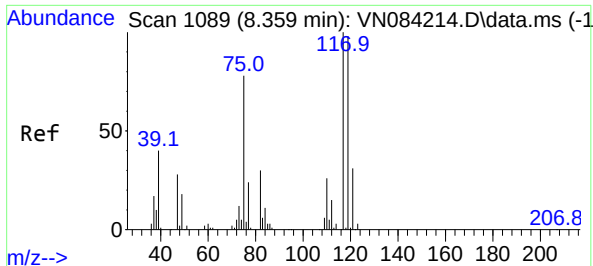
Tgt Ion:113 Resp: 92586
Ion Ratio Lower Upper
113 100
111 103.1 83.3 124.9
192 18.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 75 Resp: 13406
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.0 24.7 37.1#

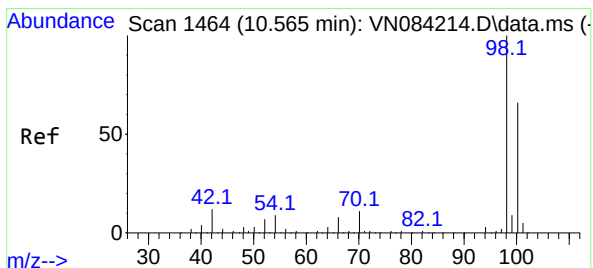
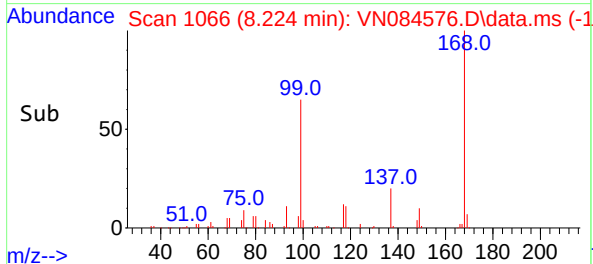
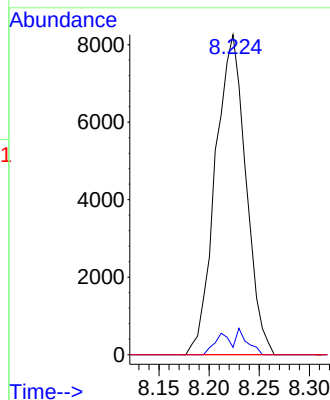
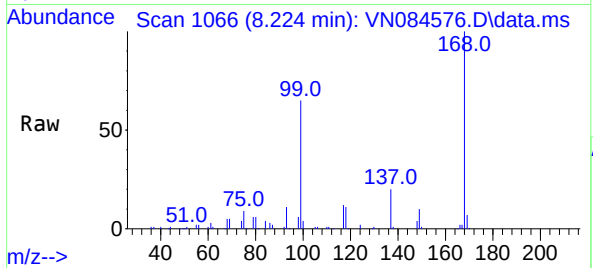




#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

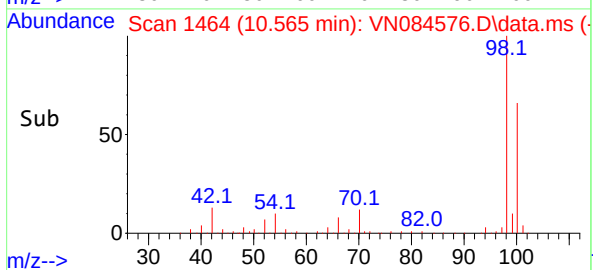
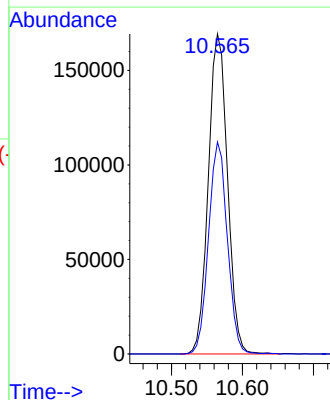
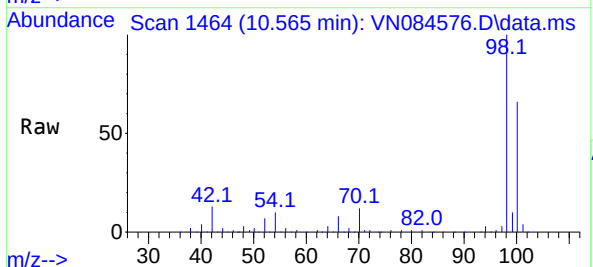
Instrument :
MSVOA_N
ClientSampleId :
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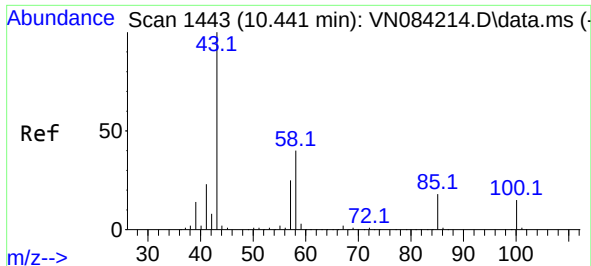
Tgt Ion:117 Resp: 17473
Ion Ratio Lower Upper
117 100
119 2.3 78.7 118.1#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.306 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 98 Resp: 317554
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

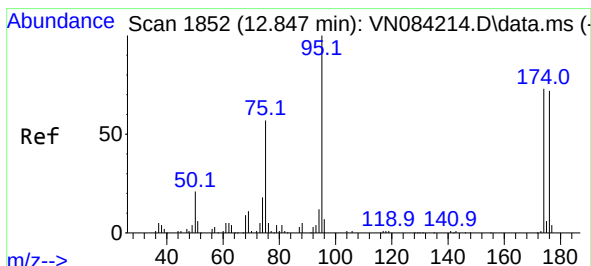
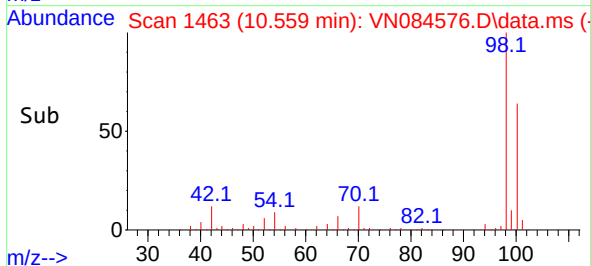
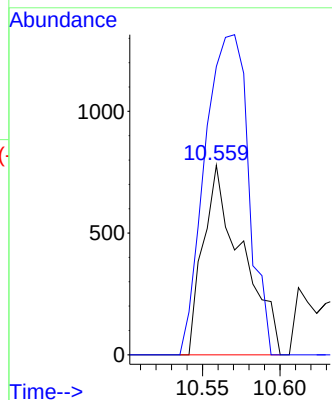
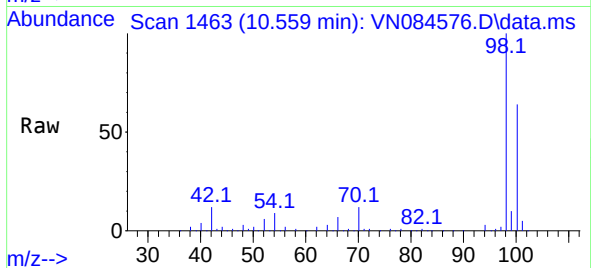




#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

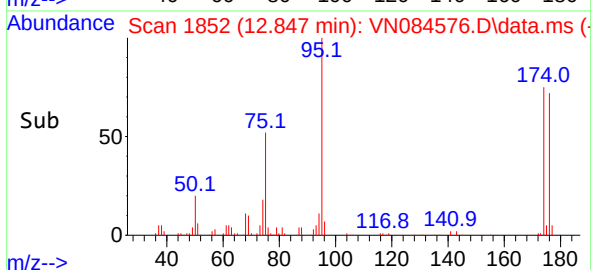
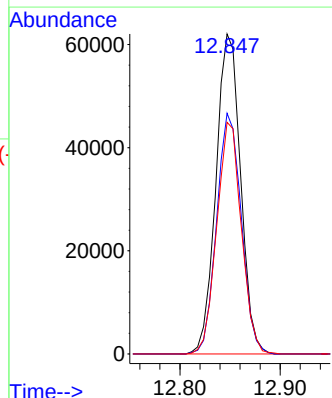
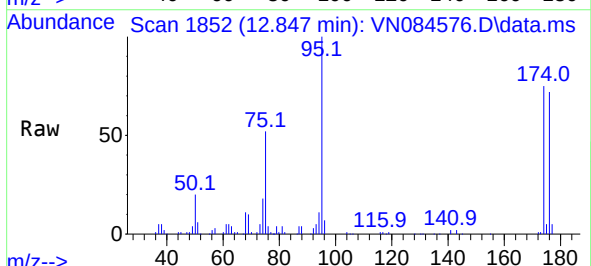
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

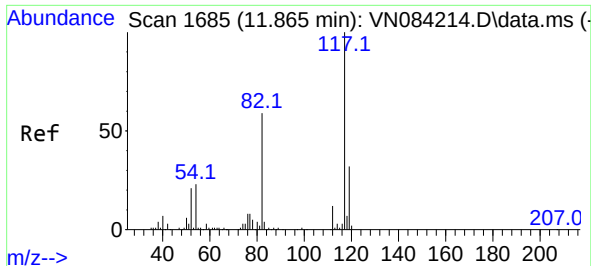
Tgt Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
58 189.8 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 40.340 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 95 Resp: 105673
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.2
176 72.3 0.0 140.0

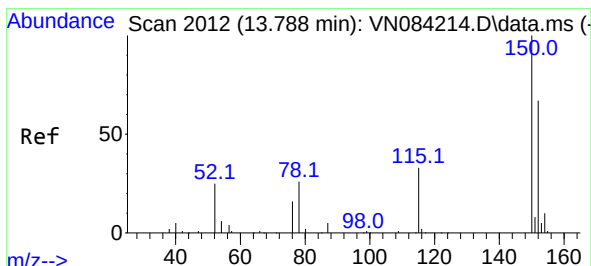
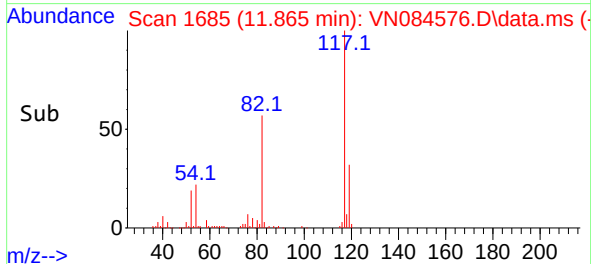
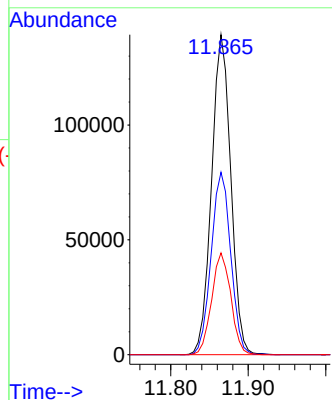
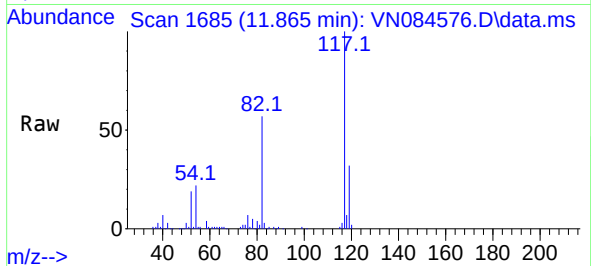




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

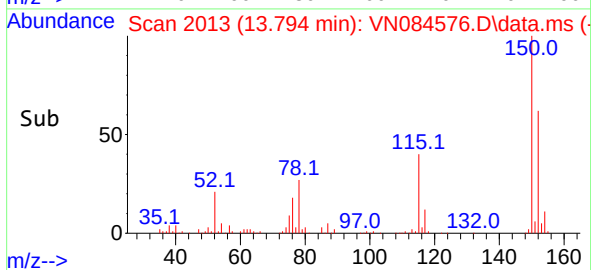
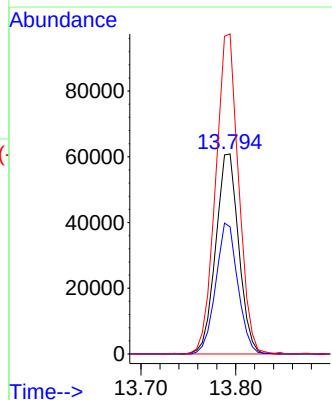
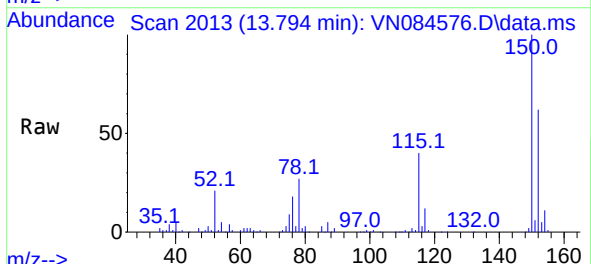
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

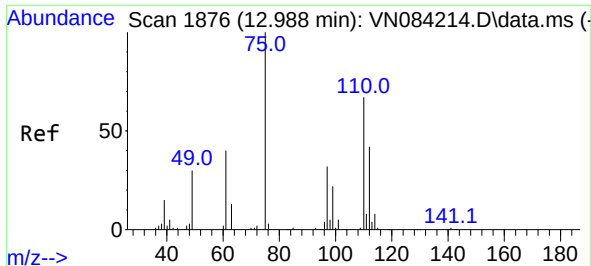
Tgt Ion:117 Resp: 240426
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion:152 Resp: 102784
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 160.1 0.0 349.8

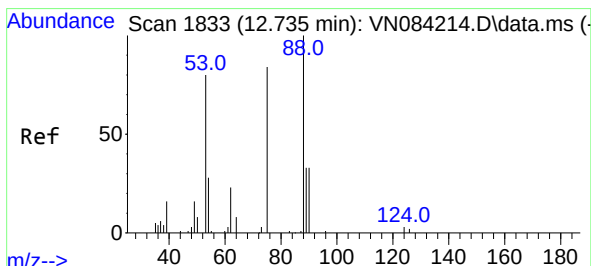
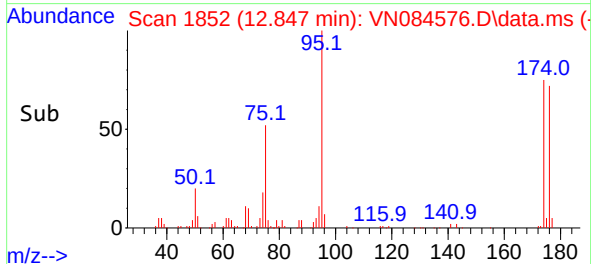
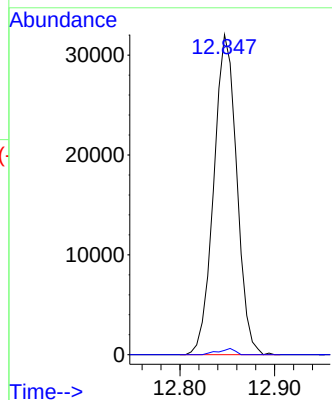
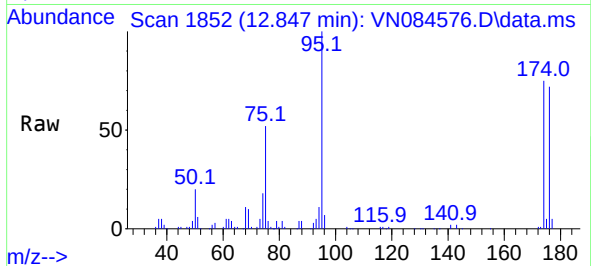




#76
1,2,3-Trichloropropane
Concen: 26.321 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

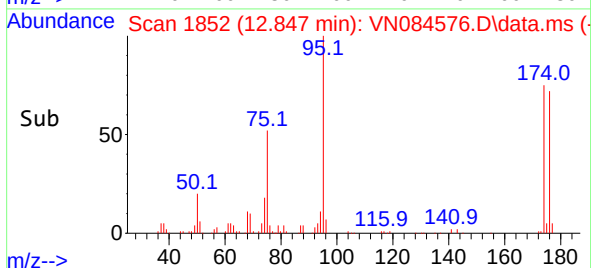
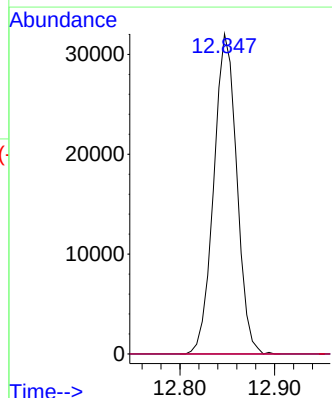
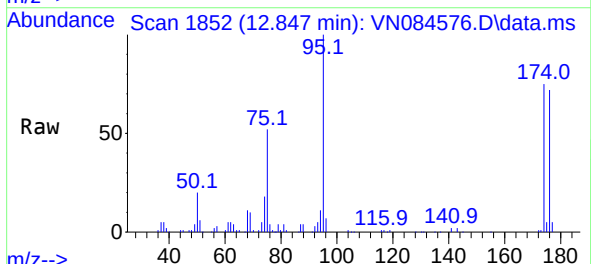
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

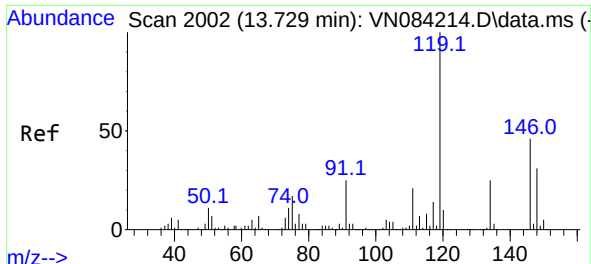
Tgt Ion: 75 Resp: 54079
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.444 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion: 75 Resp: 54079
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#87

1,3-Dichlorobenzene

Concen: 0.243 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084576.D

Acq: 30 Oct 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

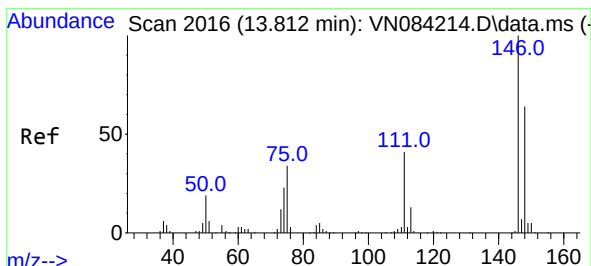
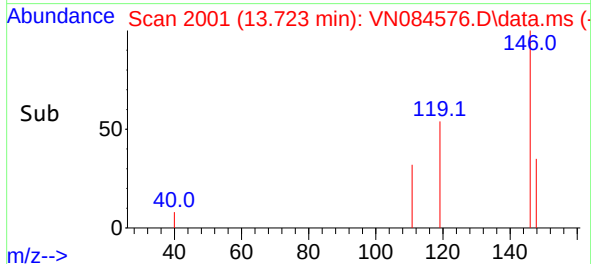
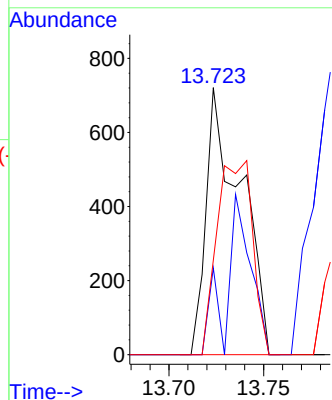
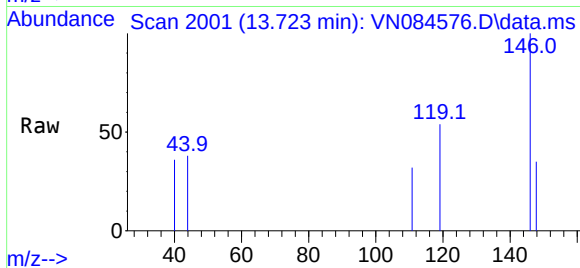
Tgt Ion:146 Resp: 919

Ion Ratio Lower Upper

146 100

111 42.9 21.8 65.3

148 74.3 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.723 min Scan# 2001

Delta R.T. -0.089 min

Lab File: VN084576.D

Acq: 30 Oct 2024 14:42

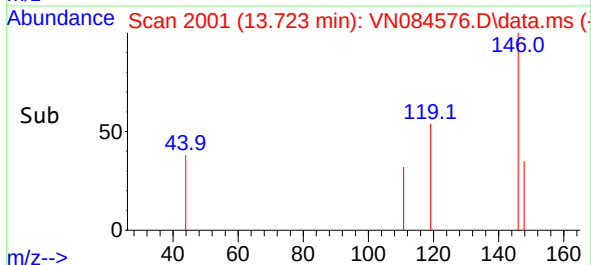
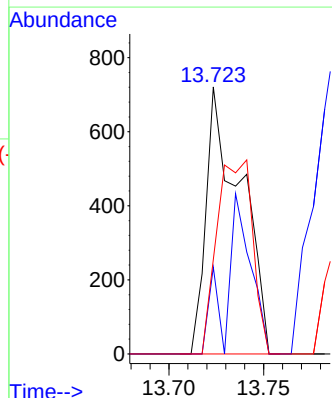
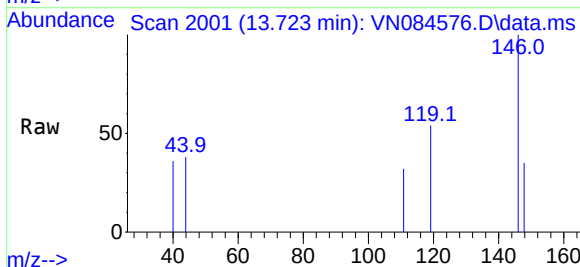
Tgt Ion:146 Resp: 919

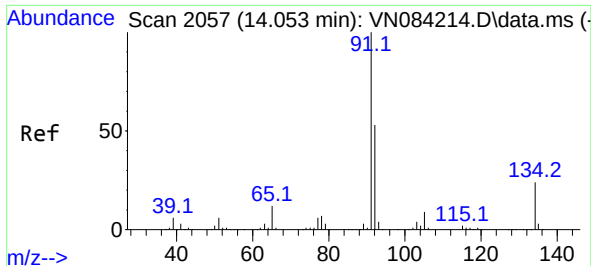
Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

148 74.3 31.9 95.9

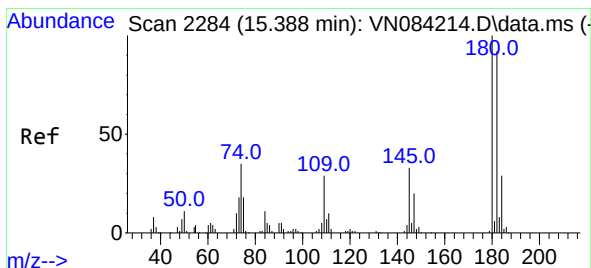
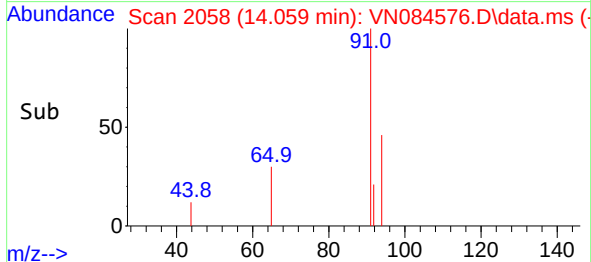
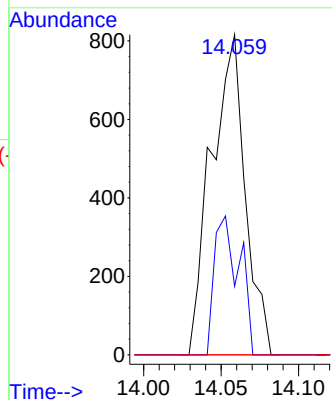
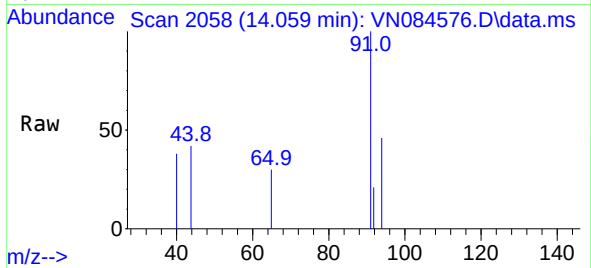




#89
n-Butylbenzene
Concen: 0.232 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

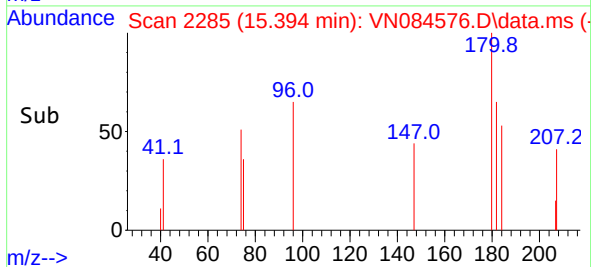
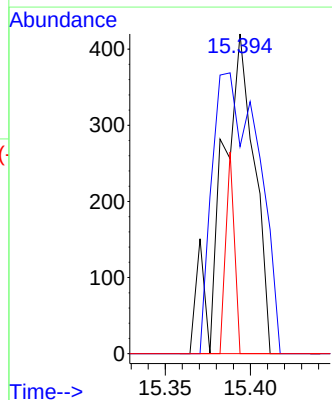
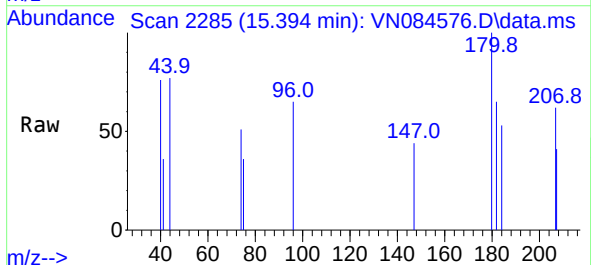
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

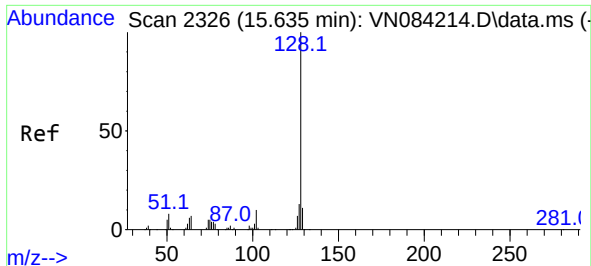
Tgt Ion: 91 Resp: 1243
Ion Ratio Lower Upper
91 100
92 32.0 26.6 79.7
134 0.0 12.3 36.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion:180 Resp: 565
Ion Ratio Lower Upper
180 100
182 122.7 47.0 141.0
145 16.6 16.4 49.4

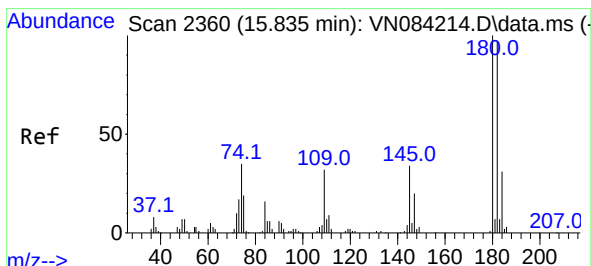
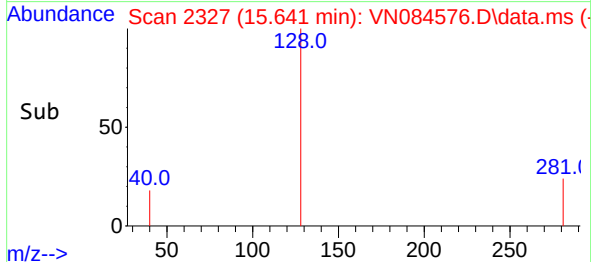
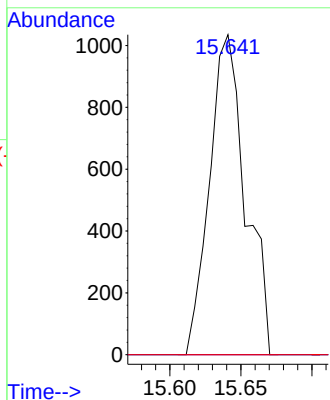
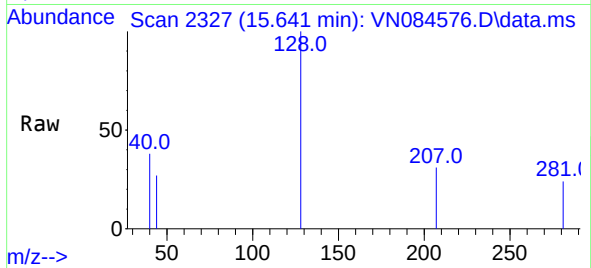




#95
Naphthalene
Concen: 0.307 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 1826
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.268 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084576.D
Acq: 30 Oct 2024 14:42

Tgt Ion:180 Resp: 518
Ion Ratio Lower Upper
180 100
182 76.4 48.2 144.6
145 0.0 17.3 51.9#

