

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084826.D
 Acq On : 13 Nov 2024 15:12
 Operator : JC\MD
 Sample : P4722-15RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:37:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

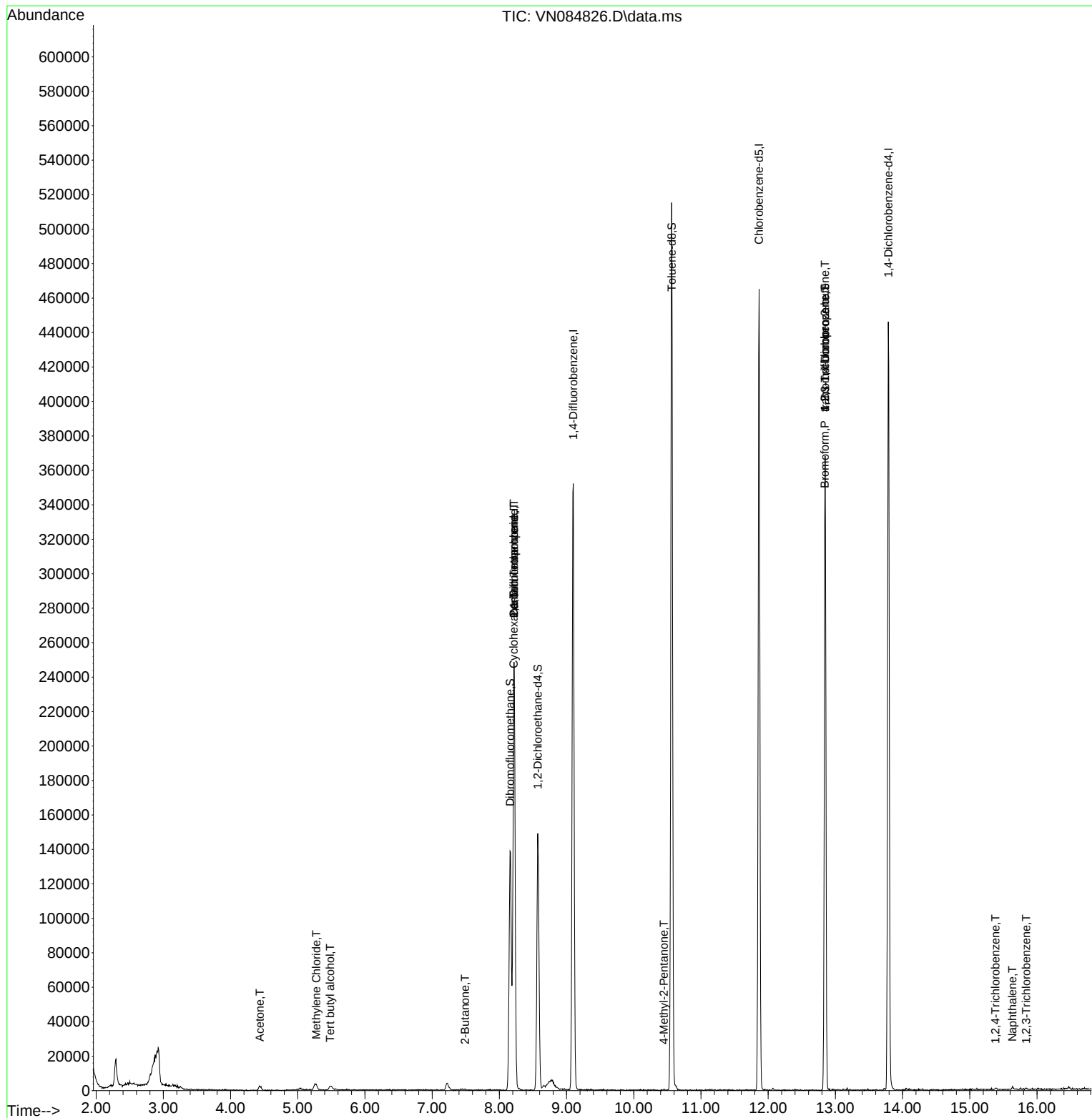
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	181188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121798	46.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.080%
35) Dibromofluoromethane	8.159	113	101076	48.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.620%
50) Toluene-d8	10.565	98	353583	45.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.740%
62) 4-Bromofluorobenzene	12.847	95	128910	44.750	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	522	Below Cal	#	41
6) Chloroethane	3.153	64	871	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	2394	6.930	ug/l #	73
16) Acetone	4.436	43	3394	1.656	ug/l #	85
18) Methyl Acetate	5.024	43	1678	Below Cal	#	59
20) Methylene Chloride	5.277	84	3042	1.322	ug/l	90
25) 2-Butanone	7.488	43	503	0.412	ug/l #	48
31) Cyclohexane	8.212	56	3444	0.953	ug/l #	6
36) 1,1-Dichloropropene	8.218	75	14229	4.903	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18615	5.739	ug/l #	15
43) Isopropyl Acetate	8.665	43	2114	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.447	43	513	0.204	ug/l #	72
71) Bromoform	12.841	173	557	0.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68054	27.990	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68054	66.404	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	622	Below Cal		84
93) 1,2,4-Trichlorobenzene	15.382	180	530	0.225	ug/l #	84
95) Naphthalene	15.635	128	1795	0.255	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.841	180	501	0.219	ug/l #	46

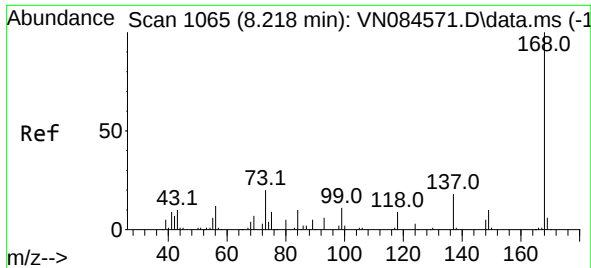
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 31 18:45:38 2024
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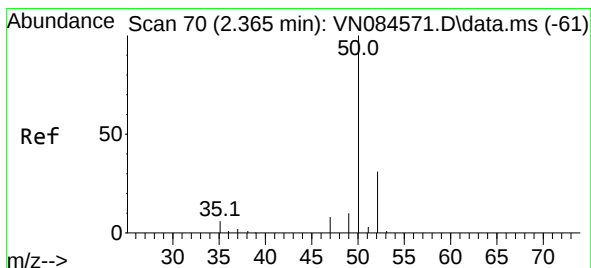
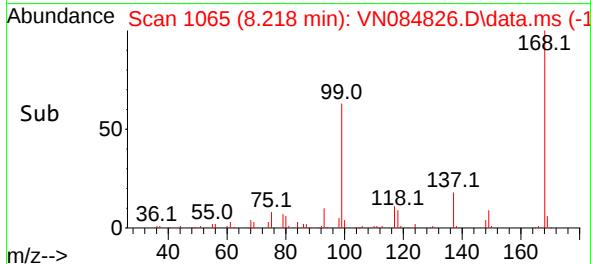
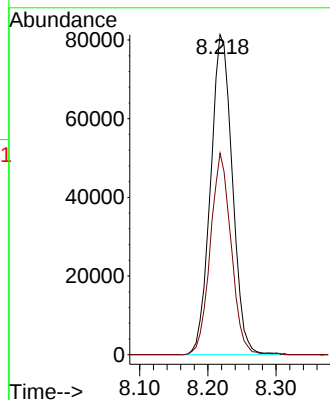
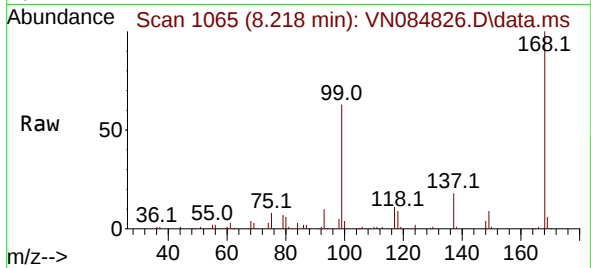




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

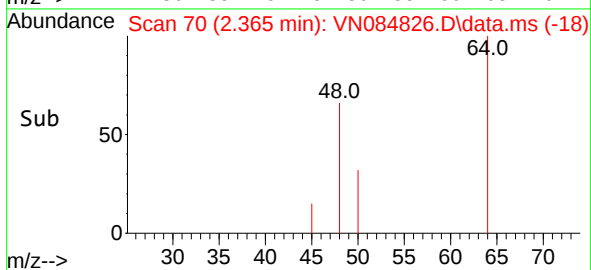
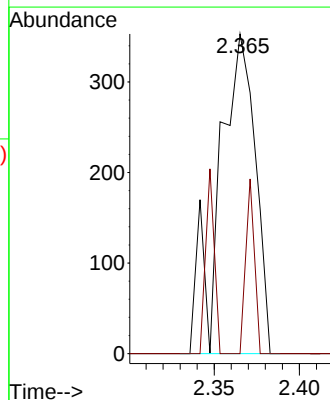
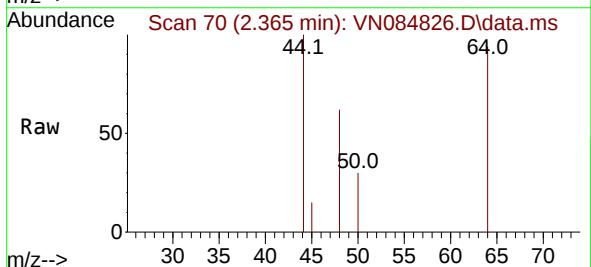
Instrument :
MSVOA_N
ClientSampleId :

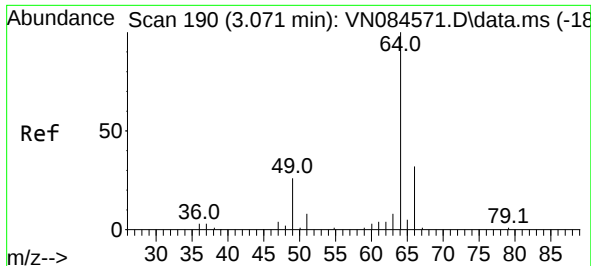
Tgt Ion:168 Resp: 181188
Ion Ratio Lower Upper
168 100
99 63.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

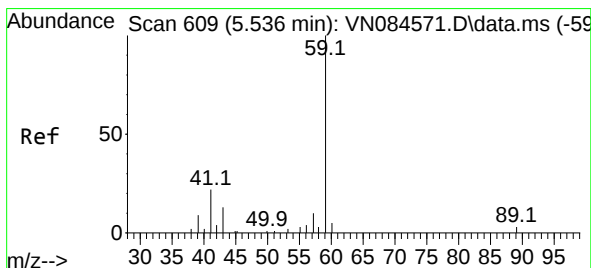
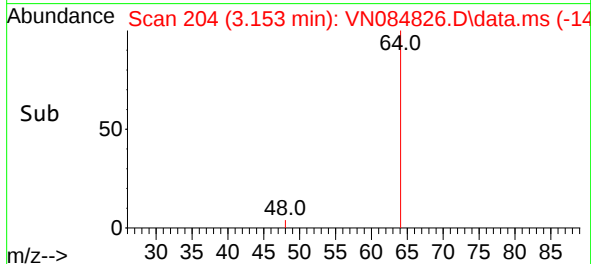
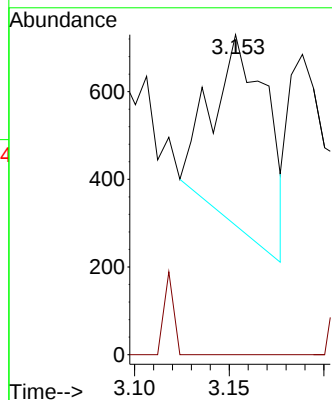
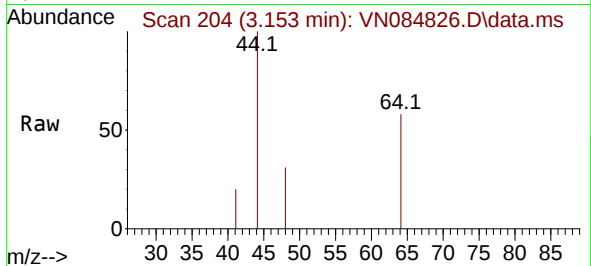




#6
Chloroethane
Concen: Below Cal
RT: 3.153 min Scan# 204
Delta R.T. 0.035 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

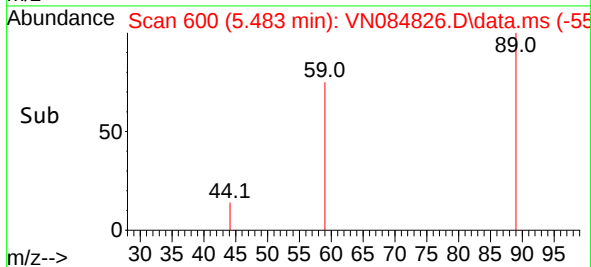
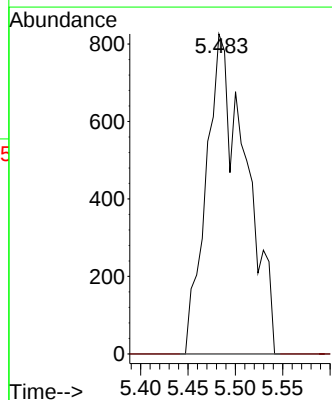
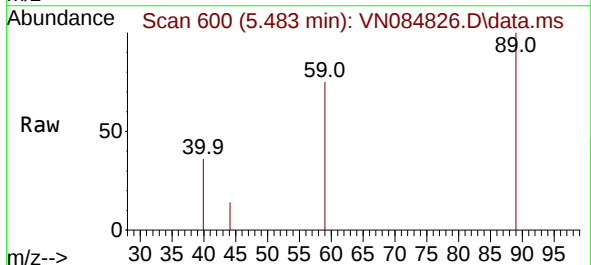
Instrument :
MSVOA_N
ClientSampleId :

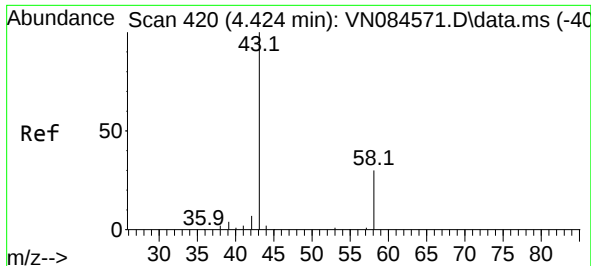
Tgt Ion: 64 Resp: 871
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.930 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Tgt Ion: 59 Resp: 2394
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

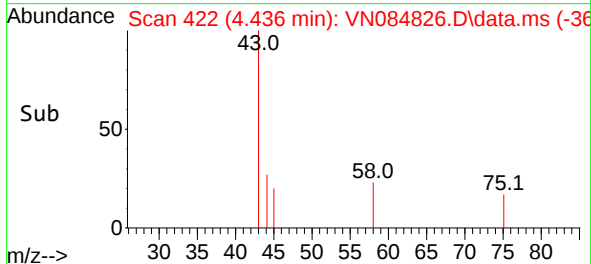
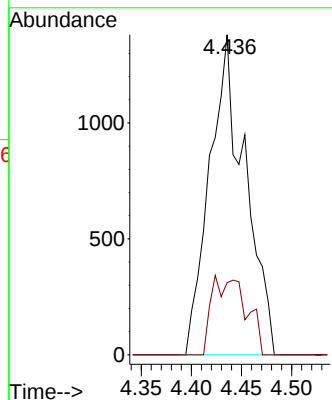
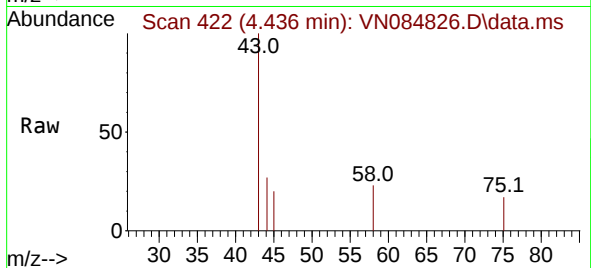




#16
Acetone
Concen: 1.656 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

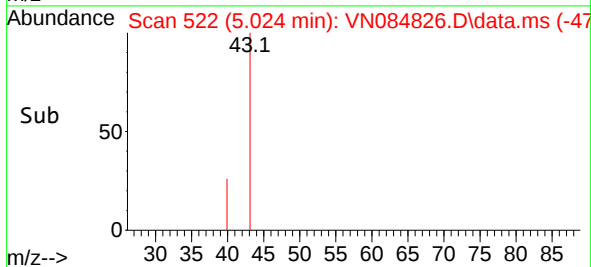
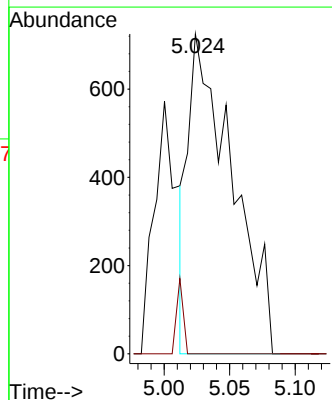
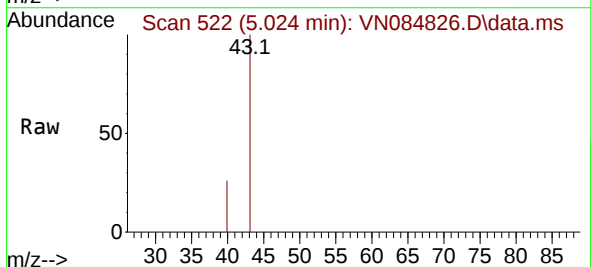
Instrument :
MSVOA_N
ClientSampleId :

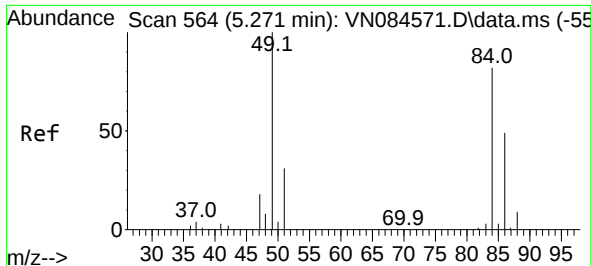
Tgt Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
58 22.5 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

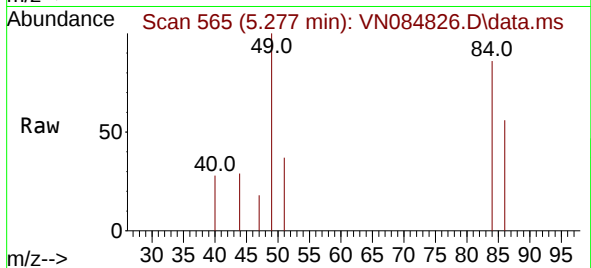
Tgt Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
74 3.6 19.2 28.8#



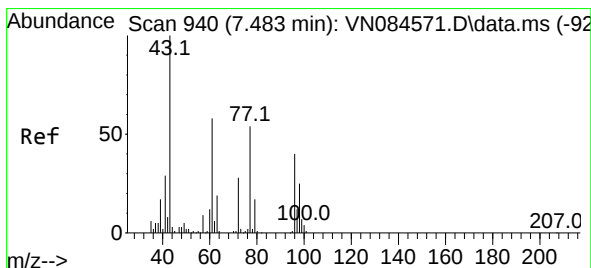
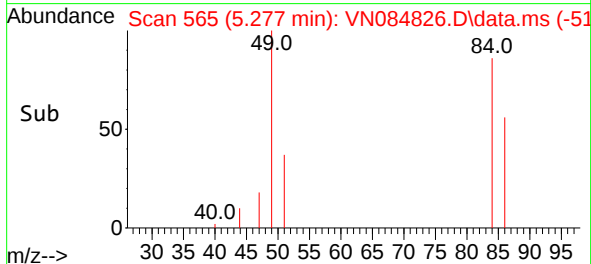
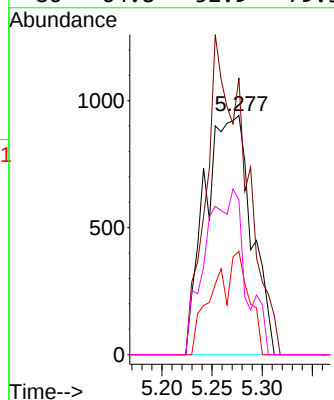


#20
Methylene Chloride
Concen: 1.322 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Instrument :
MSVOA_N
ClientSampleId :

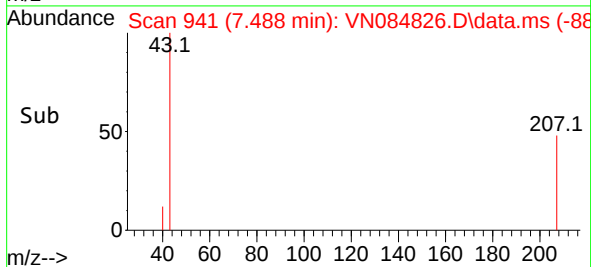
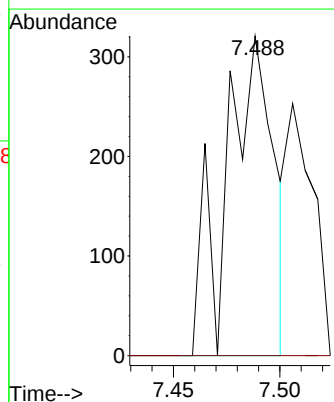
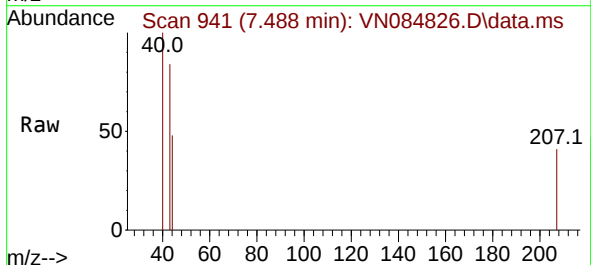


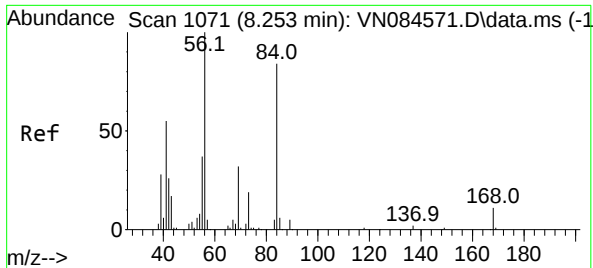
Tgt Ion:	84	Resp:	3042
Ion	Ratio	Lower	Upper
84	100		
49	115.7	107.2	160.8
51	43.2	31.8	47.8
86	64.8	52.9	79.3



#25
2-Butanone
Concen: 0.412 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

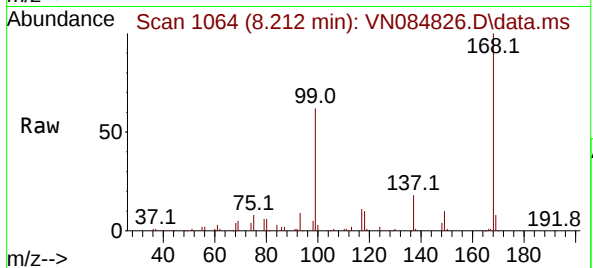
Tgt Ion:	43	Resp:	503
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#



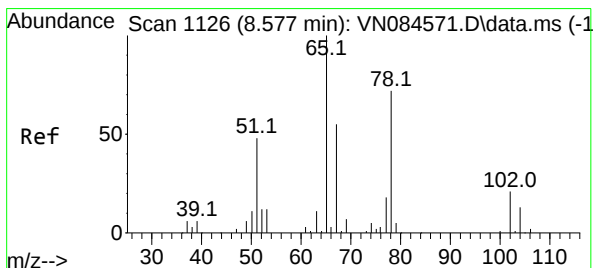
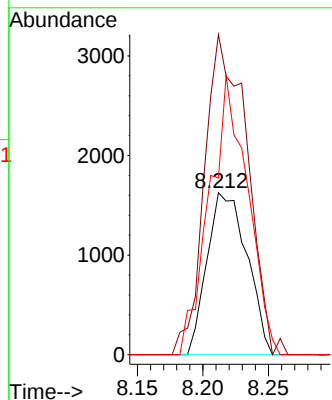
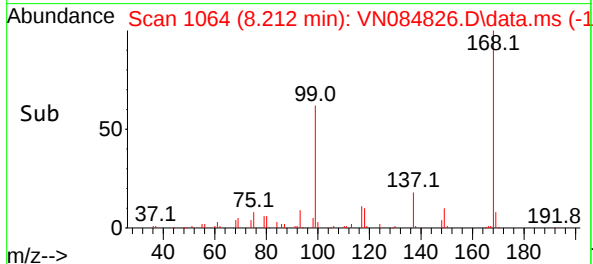


#31
Cyclohexane
Concen: 0.953 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Instrument :
MSVOA_N
ClientSampleId :

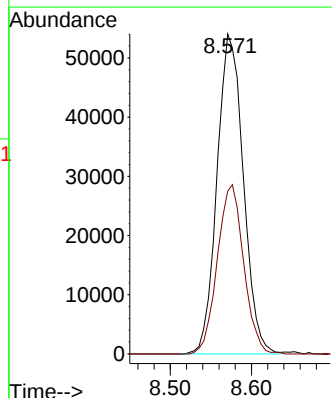
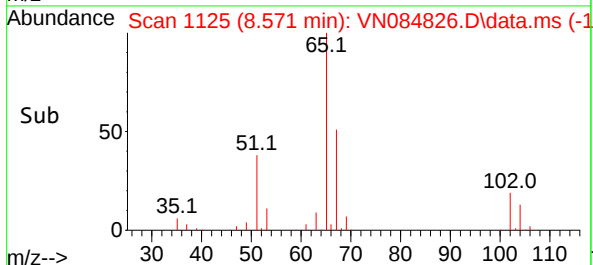
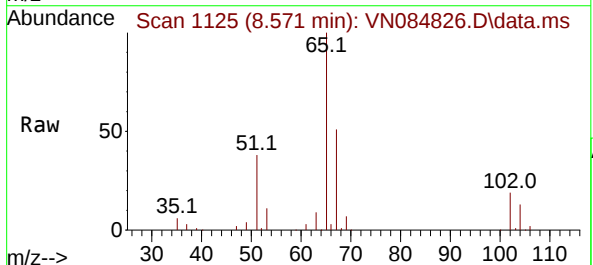


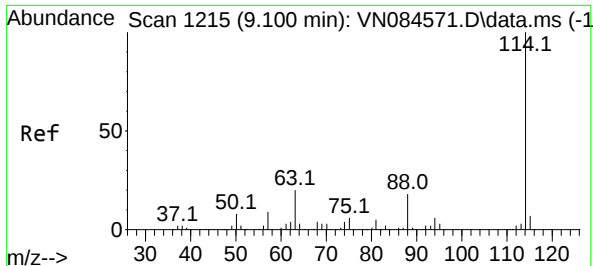
Tgt Ion: 56 Resp: 3444
Ion Ratio Lower Upper
56 100
69 187.6 23.8 35.6#
84 109.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 46.542 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Tgt Ion: 65 Resp: 121798
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

Instrument :

MSVOA_N

ClientSampleId :

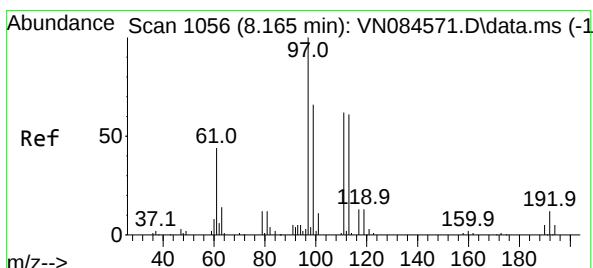
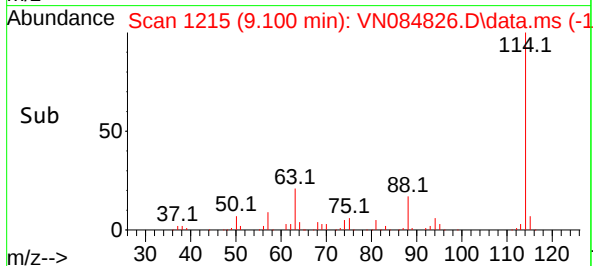
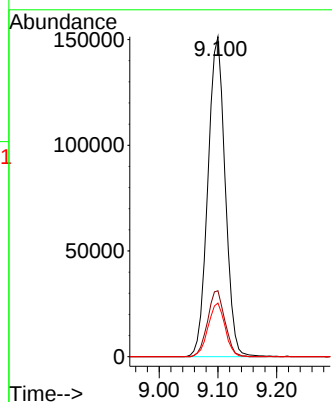
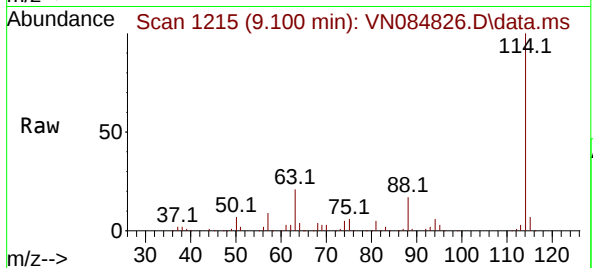
Tgt Ion:114 Resp: 309126

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

88 16.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.306 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

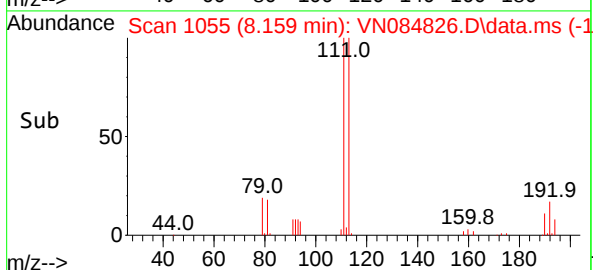
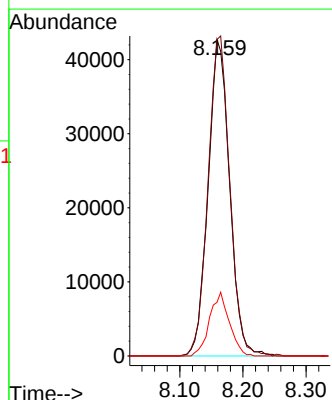
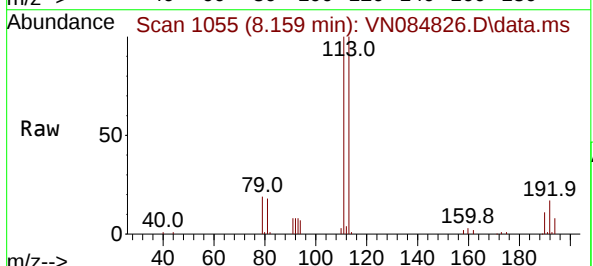
Tgt Ion:113 Resp: 101076

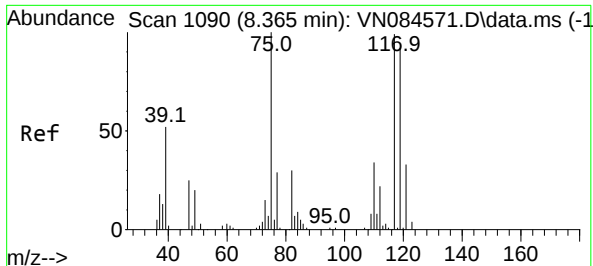
Ion Ratio Lower Upper

113 100

111 102.0 83.3 124.9

192 18.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

Instrument :

MSVOA_N

ClientSampleId :

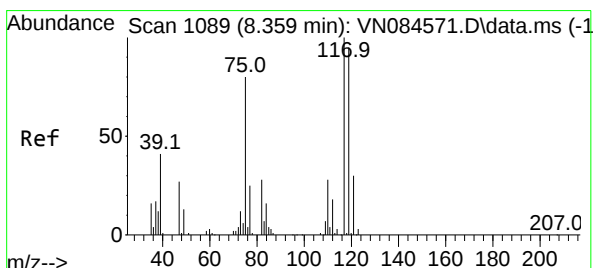
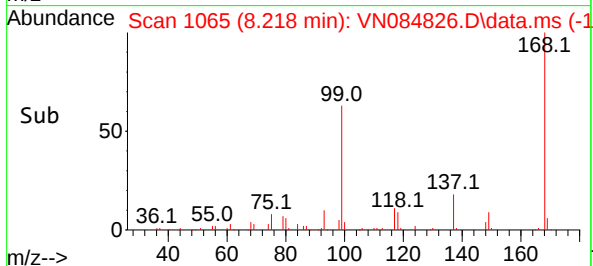
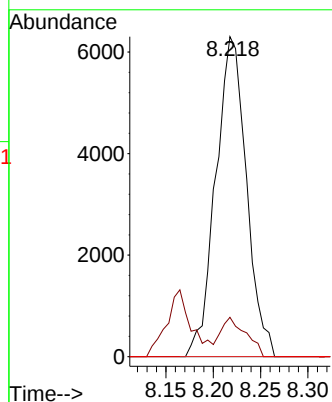
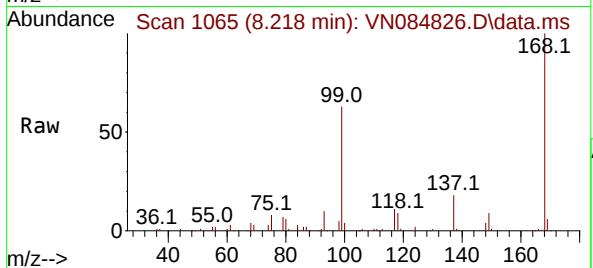
Tgt Ion: 75 Resp: 14229

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

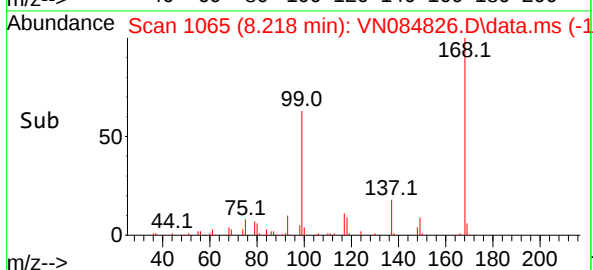
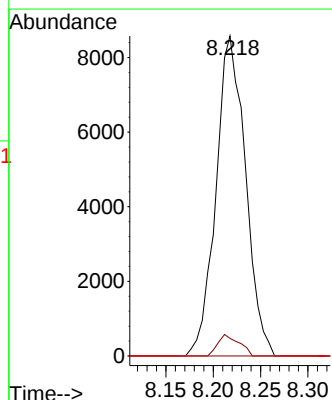
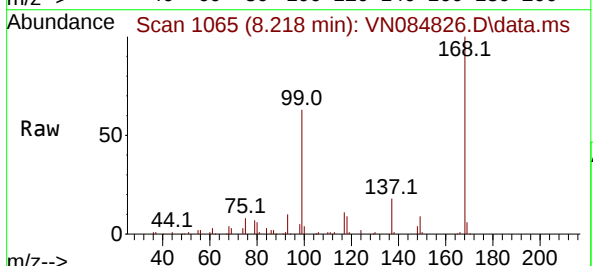
Tgt Ion: 117 Resp: 18615

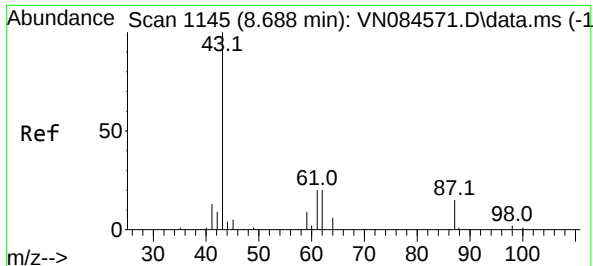
Ion Ratio Lower Upper

117 100

119 5.5 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1145

Delta R.T. -0.023 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

Instrument :

MSVOA_N

ClientSampleId :

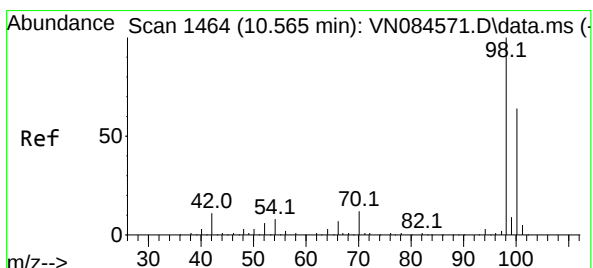
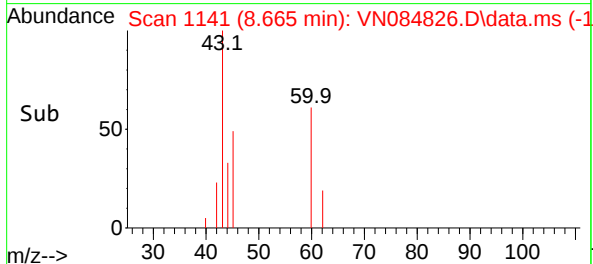
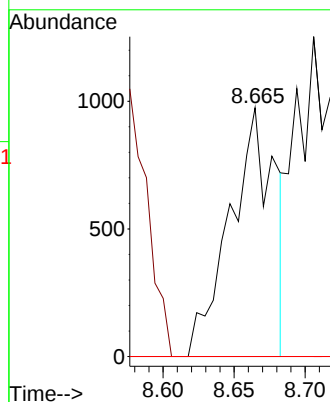
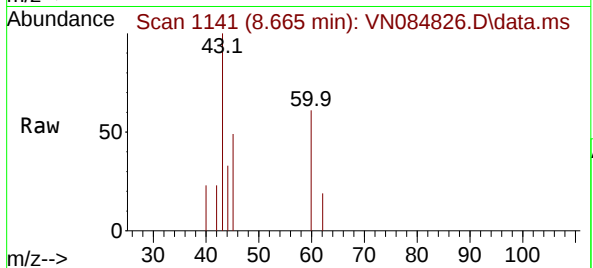
Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.874 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084826.D

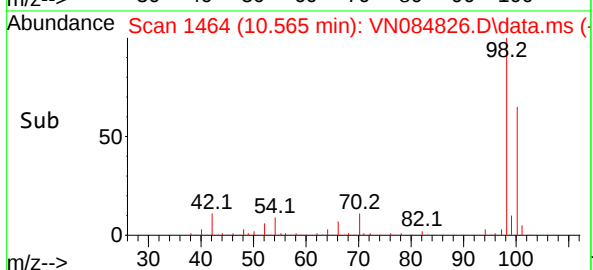
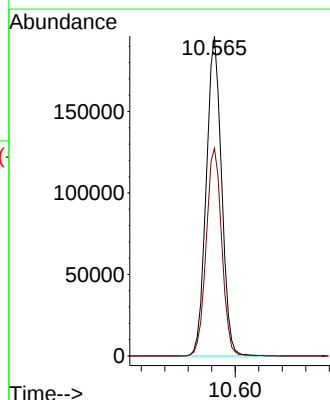
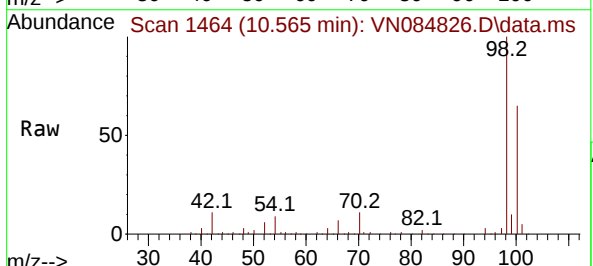
Acq: 13 Nov 2024 15:12

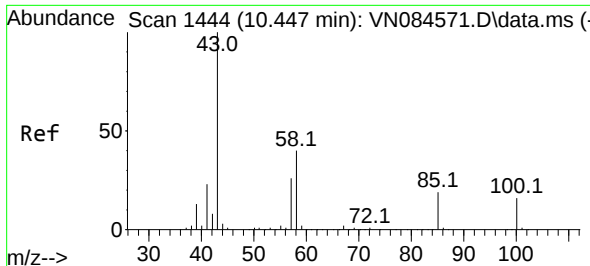
Tgt Ion: 98 Resp: 353583

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1

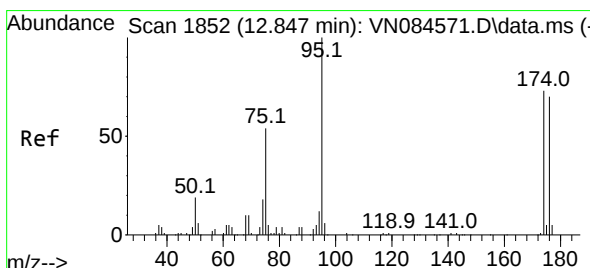
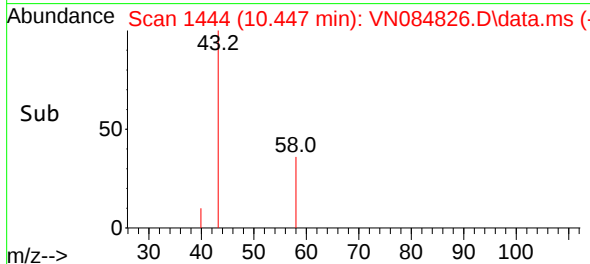
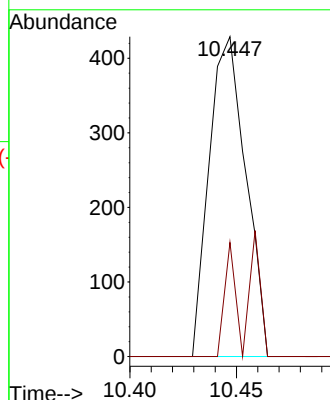
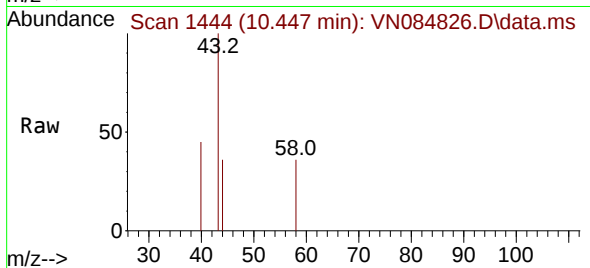




#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

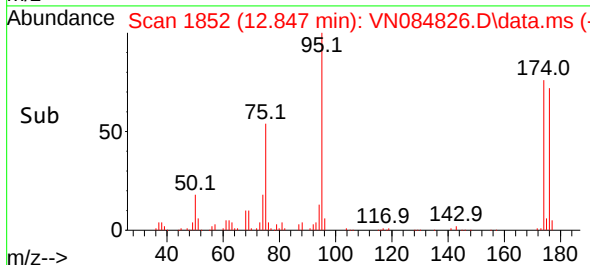
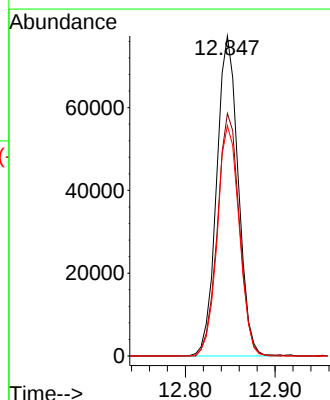
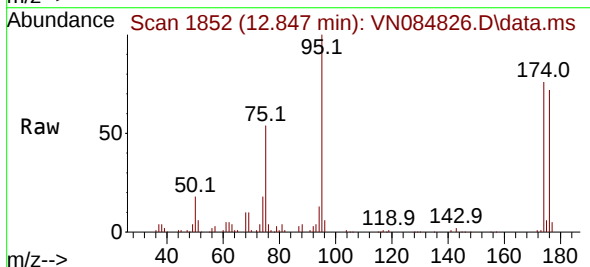
Instrument :
MSVOA_N
ClientSampleId :

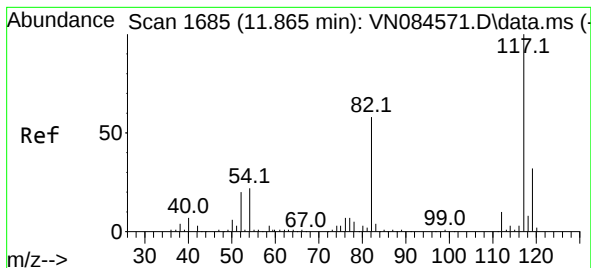
Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
58 22.2 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 44.750 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

Tgt Ion: 95 Resp: 128910
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.2
176 73.0 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 117

Delta R.T. -0.000 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

Instrument :

MSVOA_N

ClientSampleId :

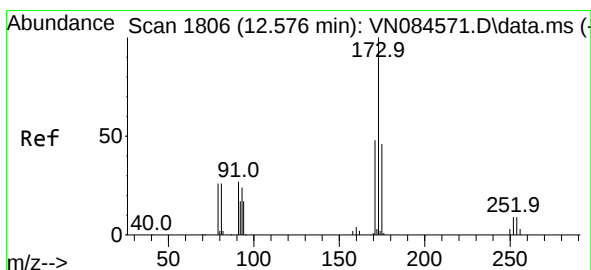
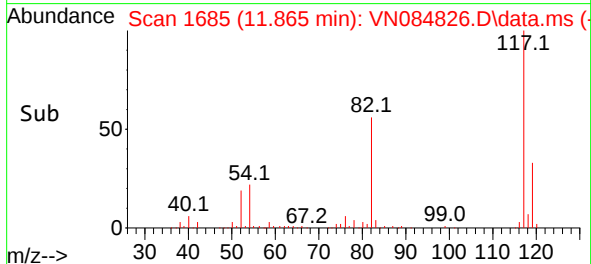
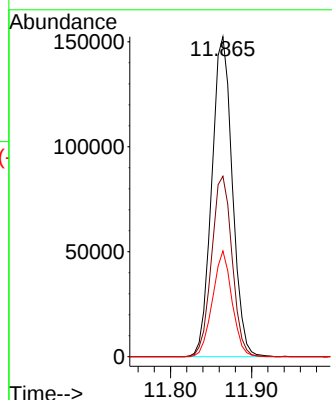
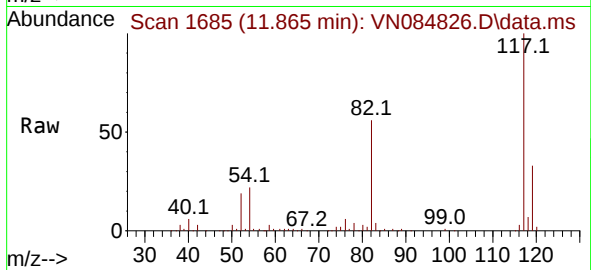
Tgt Ion:117 Resp: 268522

Ion Ratio Lower Upper

117 100

82 56.4 47.2 70.8

119 33.0 25.4 38.0



#71

Bromoform

Concen: 0.354 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN084826.D

Acq: 13 Nov 2024 15:12

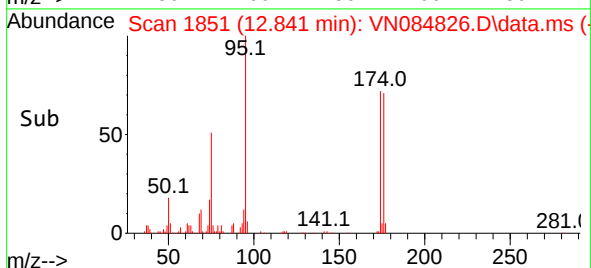
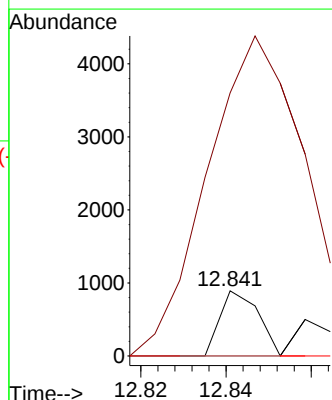
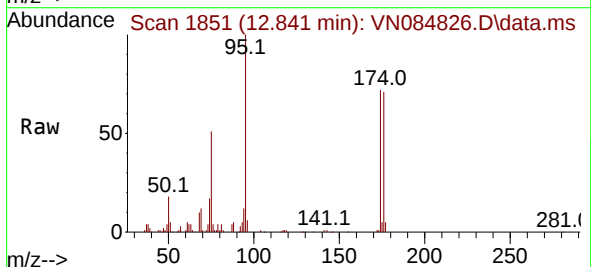
Tgt Ion:173 Resp: 557

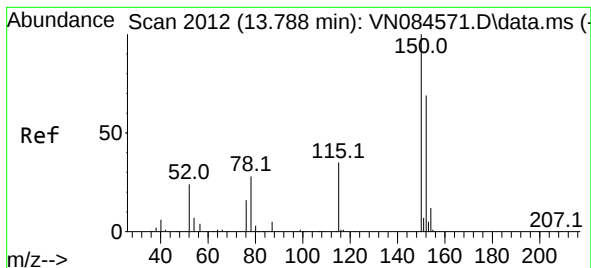
Ion Ratio Lower Upper

173 100

175 982.4 23.5 70.6#

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: VN084826.D

Acq: 13 Nov 2024 15:12

Instrument :

MSVOA_N

ClientSampleId :

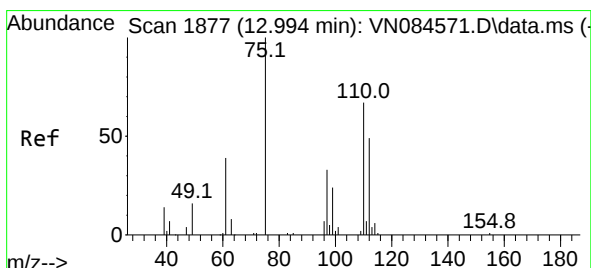
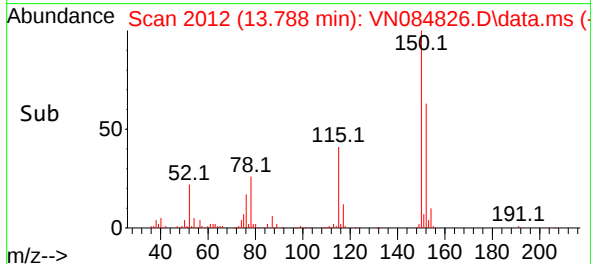
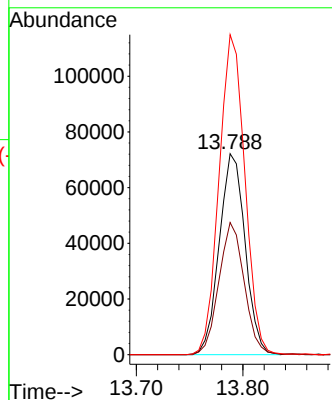
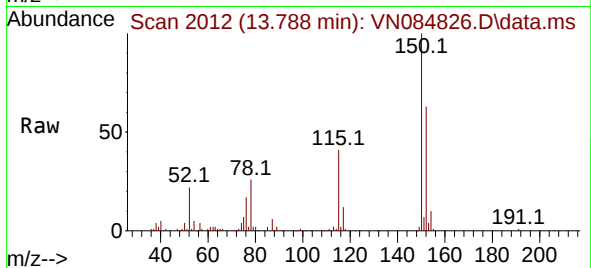
Tgt Ion:152 Resp: 121632

Ion Ratio Lower Upper

152 100

115 64.6 31.3 93.9

150 159.1 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.990 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084826.D

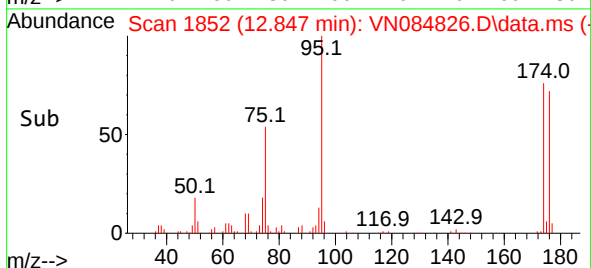
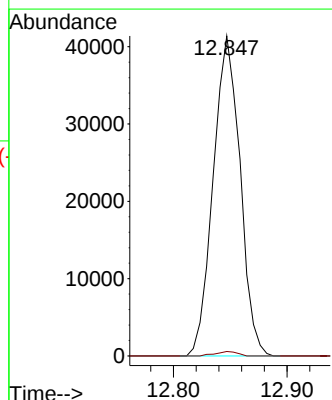
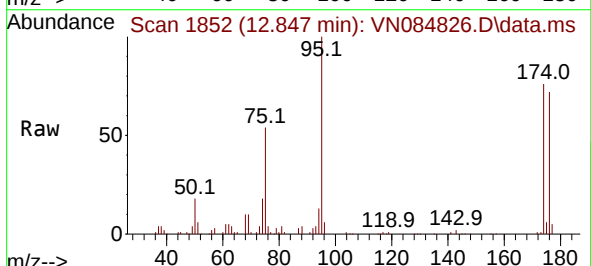
Acq: 13 Nov 2024 15:12

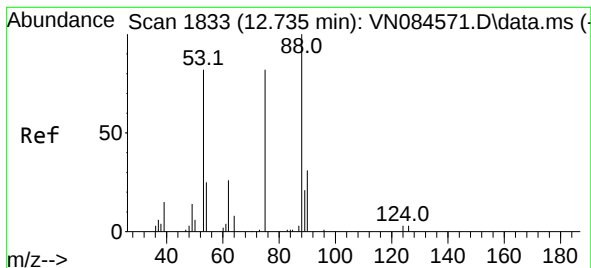
Tgt Ion: 75 Resp: 68054

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

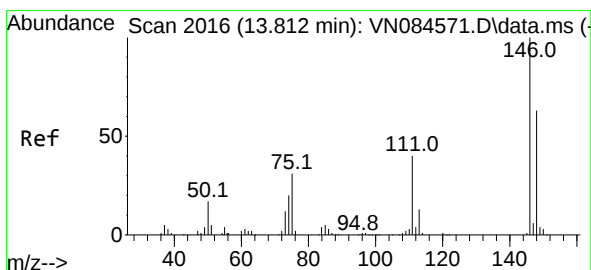
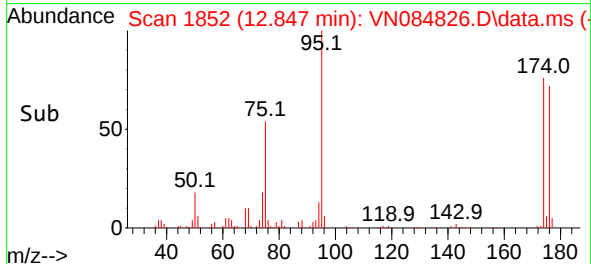
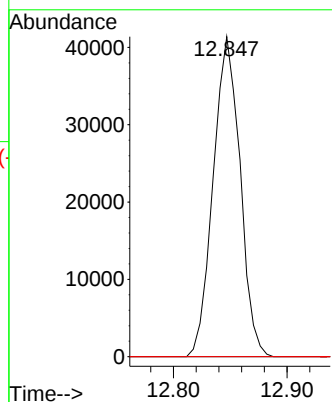
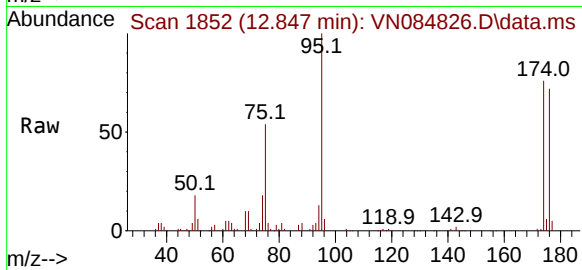




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.404 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084826.D
 Acq: 13 Nov 2024 15:12

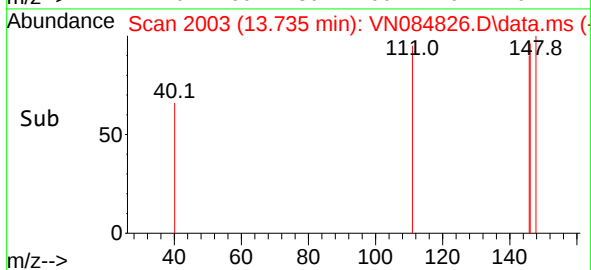
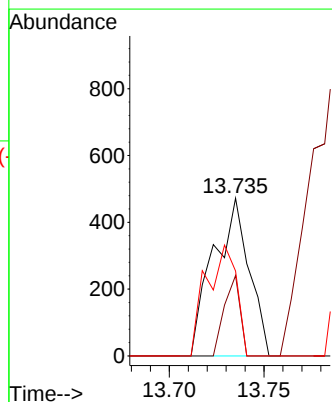
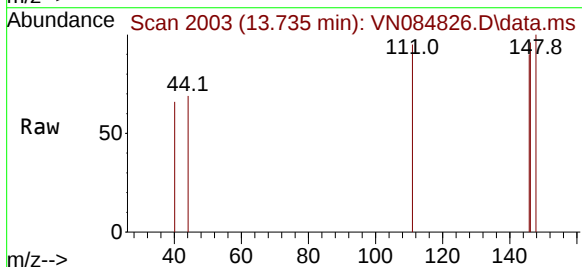
Instrument :
 MSVOA_N
 ClientSampleId :

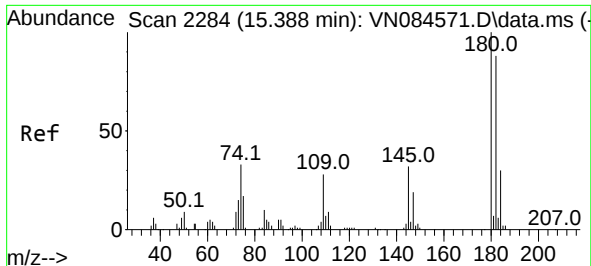
Tgt Ion: 75 Resp: 68054
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.077 min
 Lab File: VN084826.D
 Acq: 13 Nov 2024 15:12

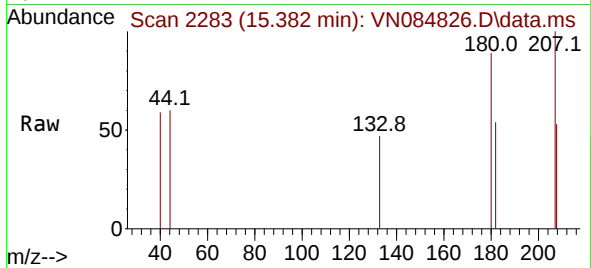
Tgt Ion:146 Resp: 622
 Ion Ratio Lower Upper
 146 100
 111 22.3 21.2 63.6
 148 58.8 31.9 95.9



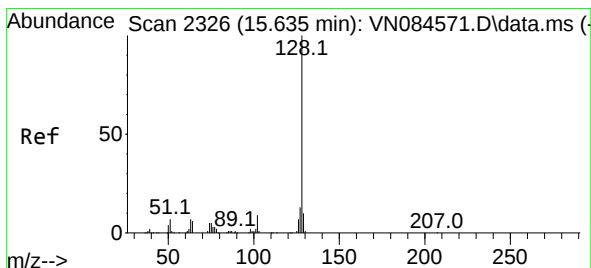
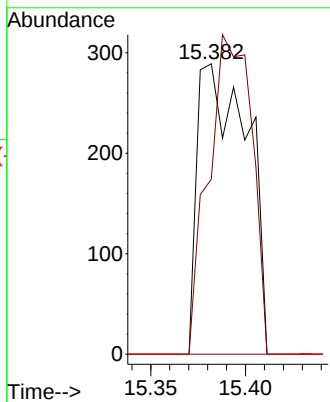
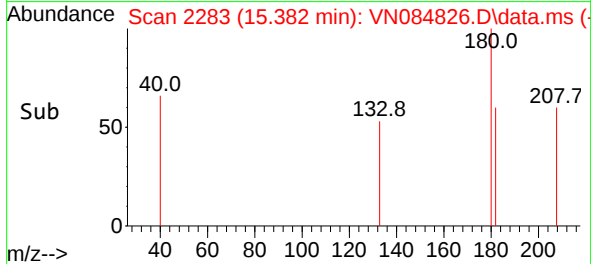


#93
1,2,4-Trichlorobenzene
Concen: 0.225 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12

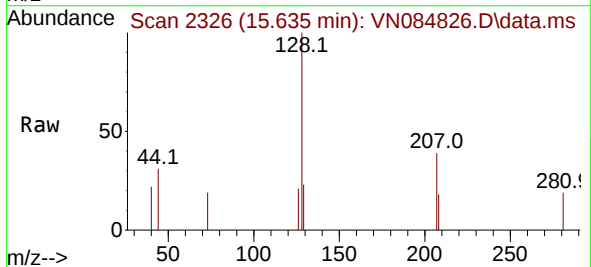
Instrument :
MSVOA_N
ClientSampleId :



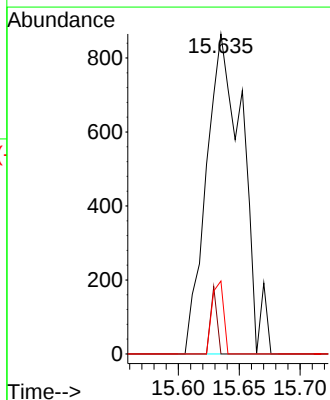
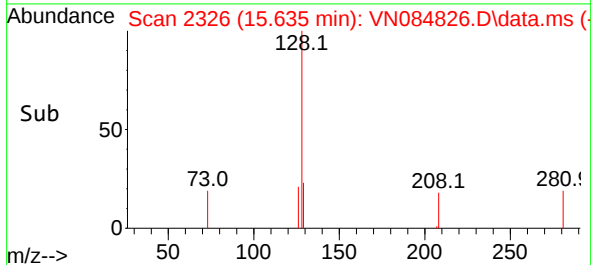
Tgt Ion:180 Resp: 530
Ion Ratio Lower Upper
180 100
182 95.3 47.0 141.0
145 0.0 16.4 49.4#

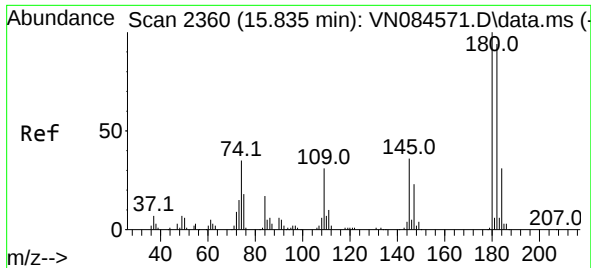


#95
Naphthalene
Concen: 0.255 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084826.D
Acq: 13 Nov 2024 15:12



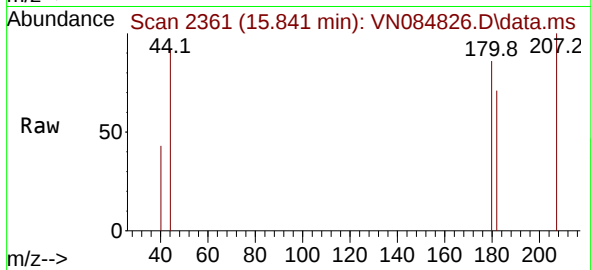
Tgt Ion:128 Resp: 1795
Ion Ratio Lower Upper
128 100
127 3.6 10.5 15.7#
129 7.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084826.D
 Acq: 13 Nov 2024 15:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	45.5	48.2	144.6#
145	0.0	17.3	51.9#

