

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084581.D
 Acq On : 30 Oct 2024 21:12
 Operator : JC\MD
 Sample : VN1030WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 04:54:57 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)

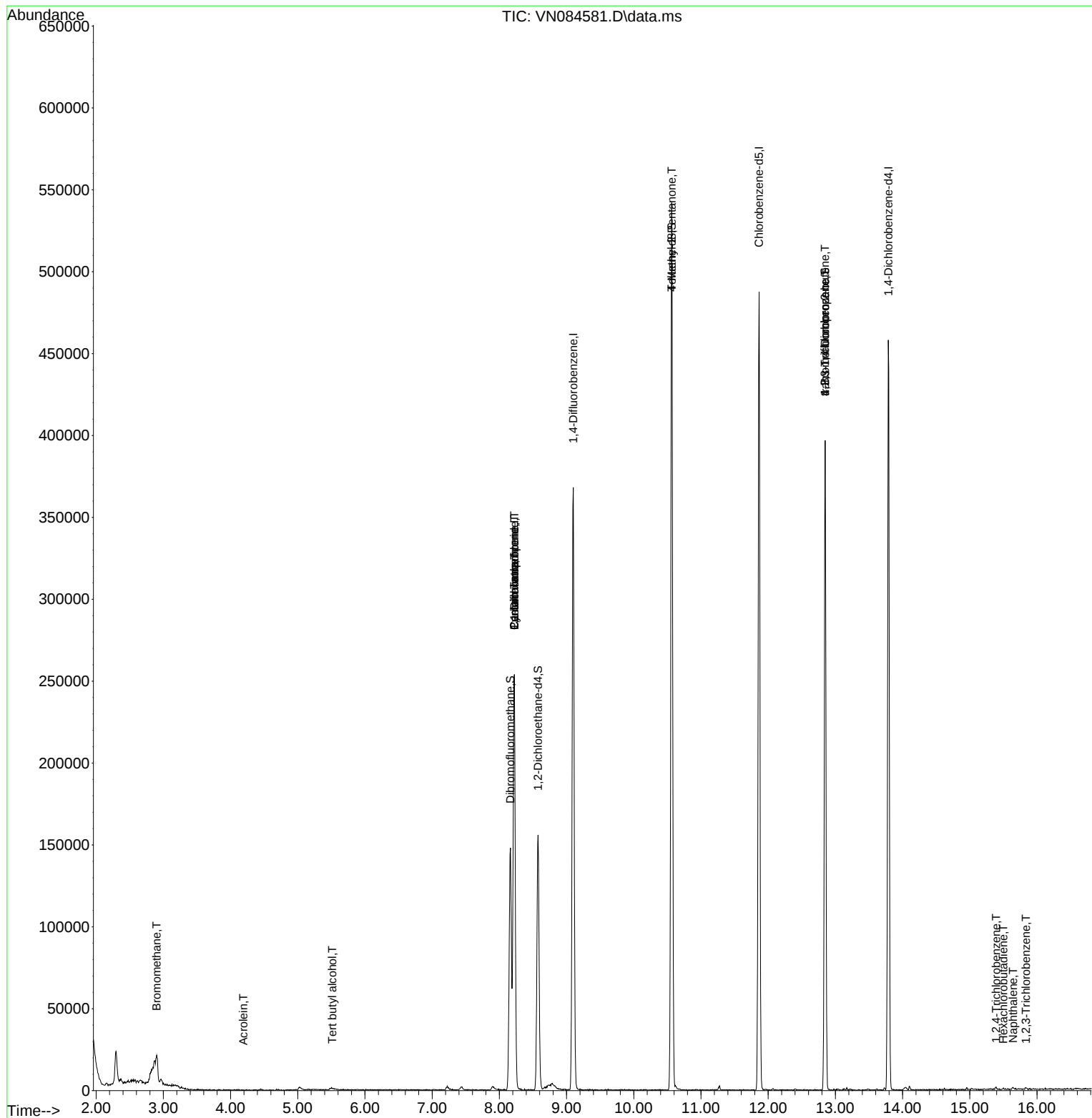
Internal Standards						
1) Pentafluorobenzene	8.224	168	181822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130757	49.791	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.580%	
35) Dibromofluoromethane	8.165	113	106498	49.489	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.980%	
50) Toluene-d8	10.565	98	374287	47.216	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	94.440%	
62) 4-Bromofluorobenzene	12.847	95	138531	46.760	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	93.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1719	Below Cal	#	77
5) Bromomethane	2.901	94	273	0.229	ug/l	99
6) Chloroethane	3.148	64	324	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	1200	3.462	ug/l	# 73
13) Acrolein	4.189	56	78	0.226	ug/l	96
16) Acetone	4.436	43	1067	Below Cal	#	44
18) Methyl Acetate	5.024	43	3314	Below Cal	#	84
31) Cyclohexane	8.224	56	4046	1.116	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	16036	5.373	ug/l	# 51
38) Carbon Tetrachloride	8.224	117	19582	5.870	ug/l	# 14
43) Isopropyl Acetate	8.688	43	1292	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1657	0.642	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	71769	28.887	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	71769	68.530	ug/l	# 11
88) 1,4-Dichlorobenzene	13.817	146	979	Below Cal	#	67
93) 1,2,4-Trichlorobenzene	15.394	180	700	0.291	ug/l	92
94) Hexachlorobutadiene	15.500	225	291	0.276	ug/l	# 66
95) Naphthalene	15.647	128	1654	0.230	ug/l	# 73
96) 1,2,3-Trichlorobenzene	15.835	180	584	0.250	ug/l	# 79

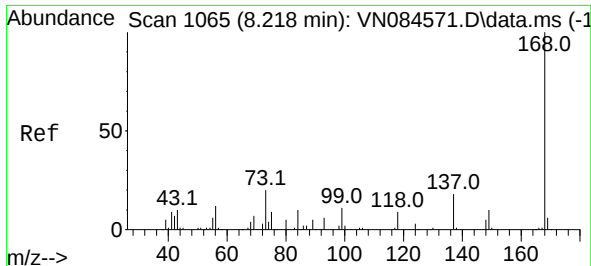
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

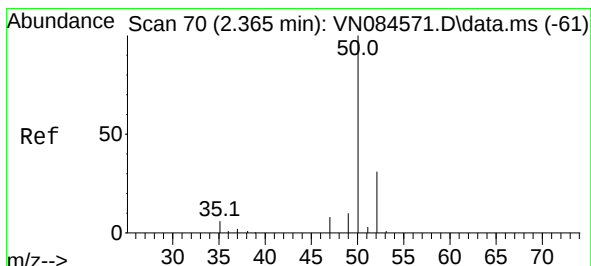
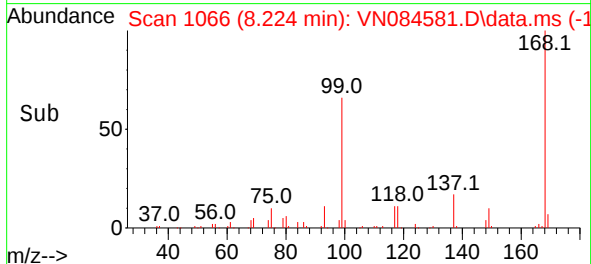
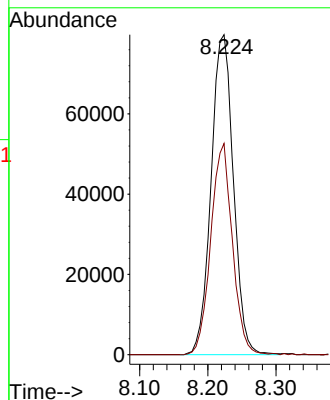
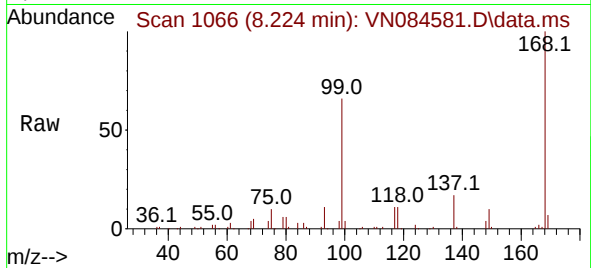




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

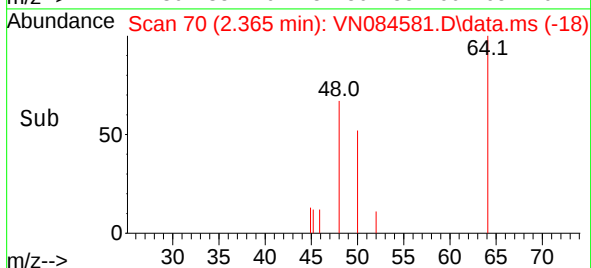
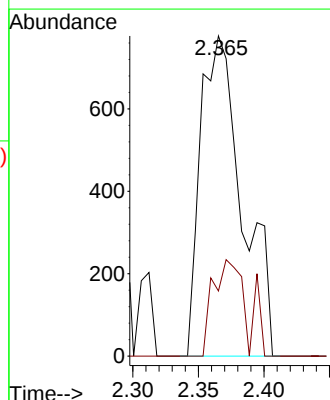
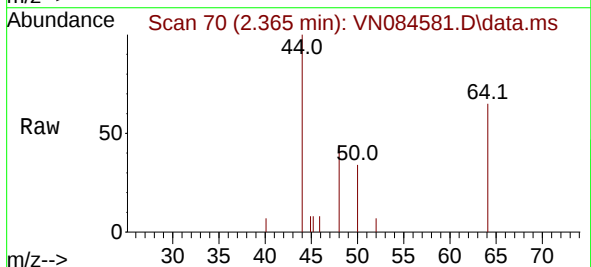
Instrument :
MSVOA_N
ClientSampleId :

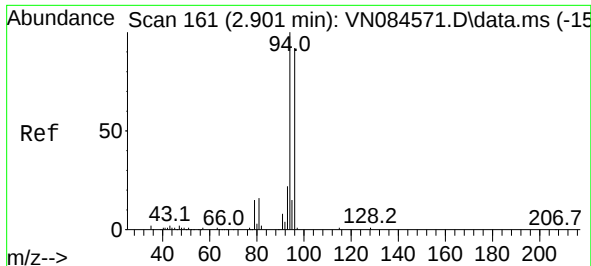
Tgt Ion:168 Resp: 181822
Ion Ratio Lower Upper
168 100
99 66.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Tgt Ion: 50 Resp: 1719
Ion Ratio Lower Upper
50 100
52 20.3 26.8 40.2#

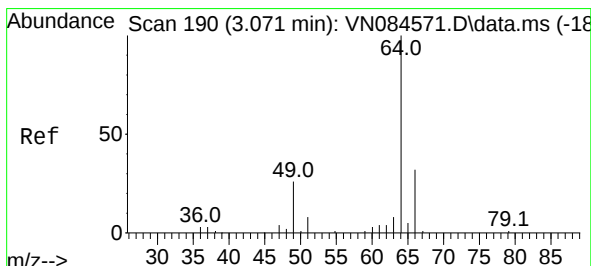
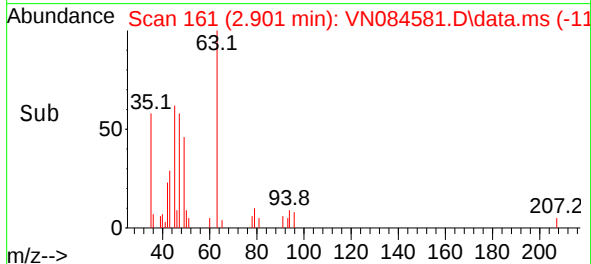
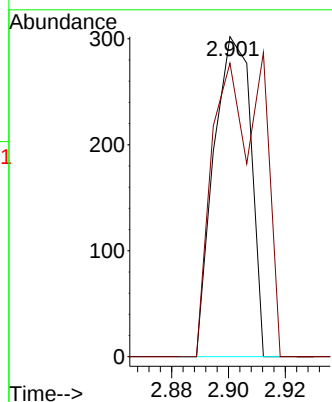
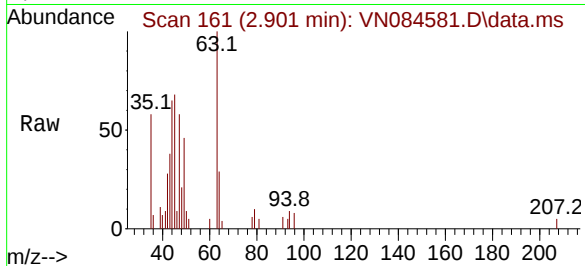




#5
Bromomethane
Concen: 0.229 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

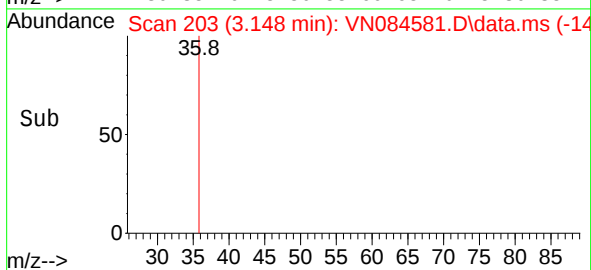
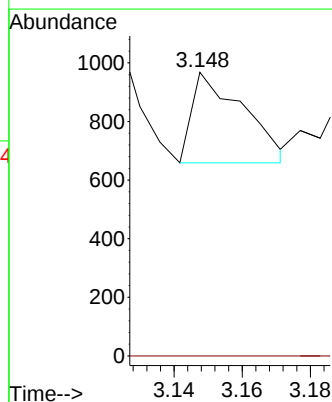
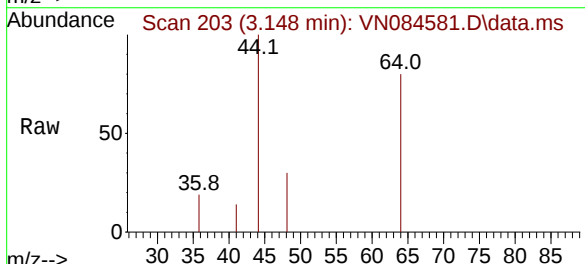
Instrument :
MSVOA_N
ClientSampleId :

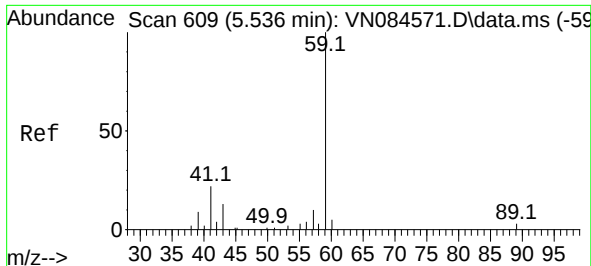
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 91.7 72.9 109.3



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

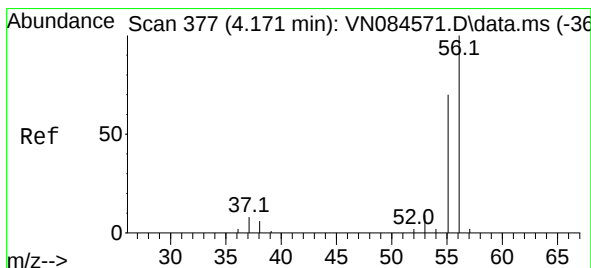
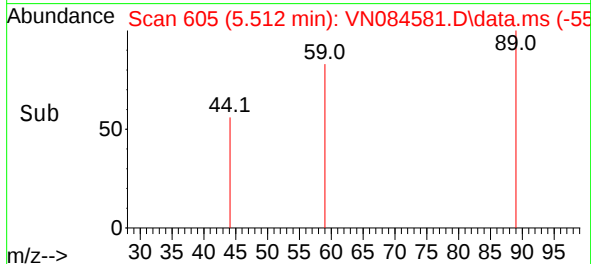
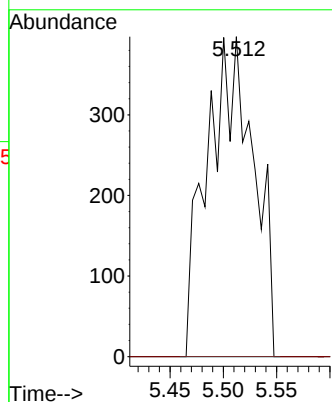
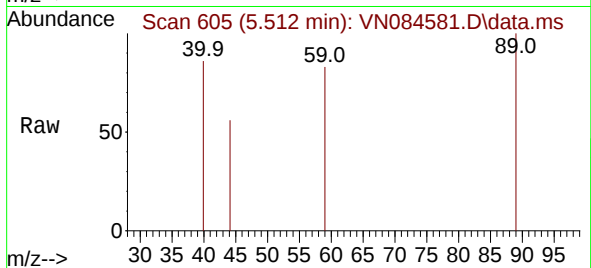




#11
Tert butyl alcohol
Concen: 3.462 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

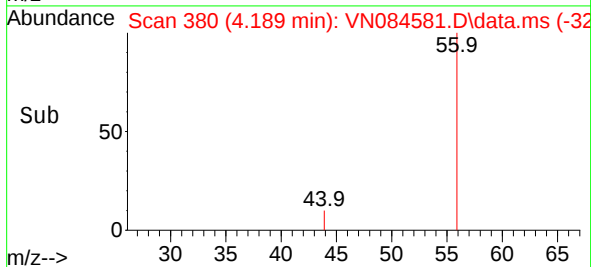
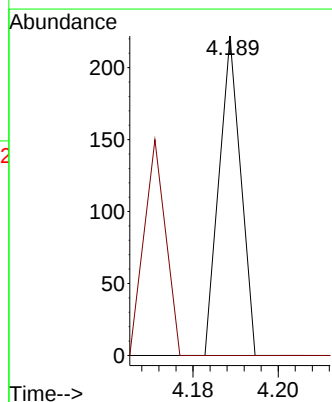
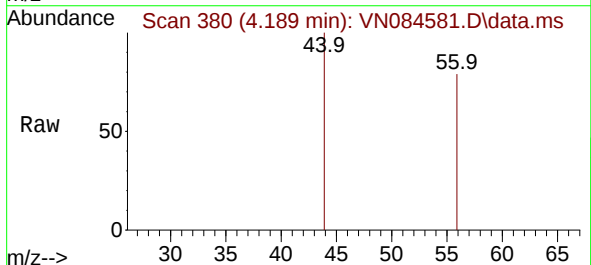
Instrument :
MSVOA_N
ClientSampleId :

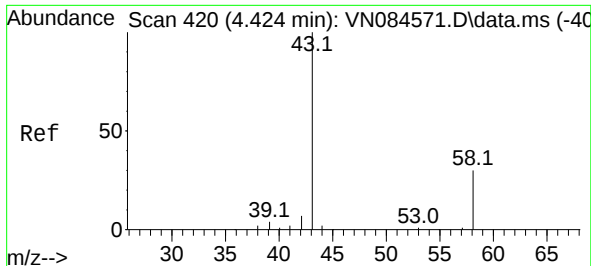
Tgt Ion: 59 Resp: 1200
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.226 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

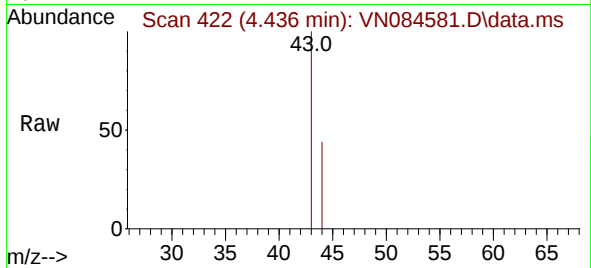
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 67.9 57.2 85.8



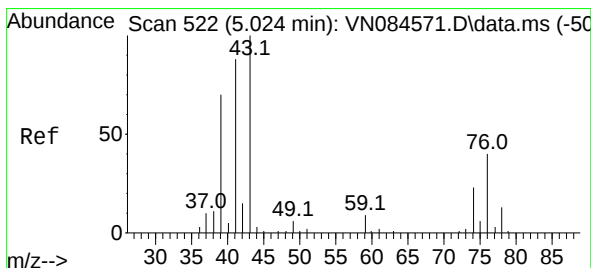
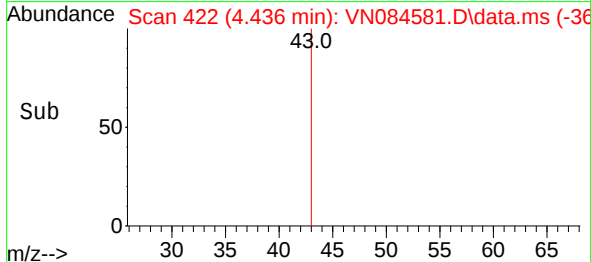
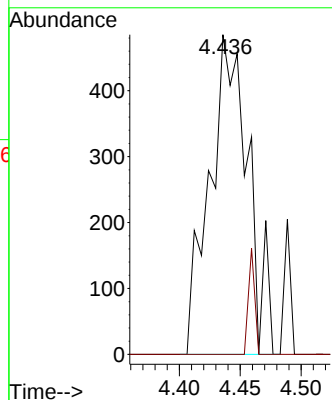


#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Instrument :
MSVOA_N
ClientSampleId :

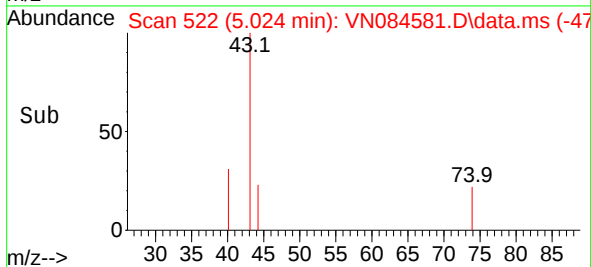
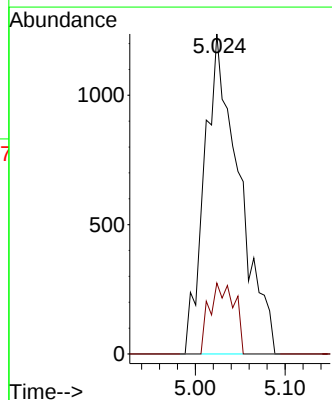
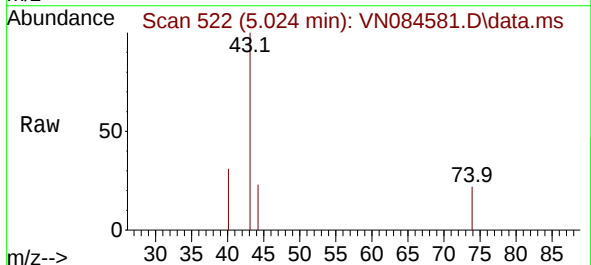


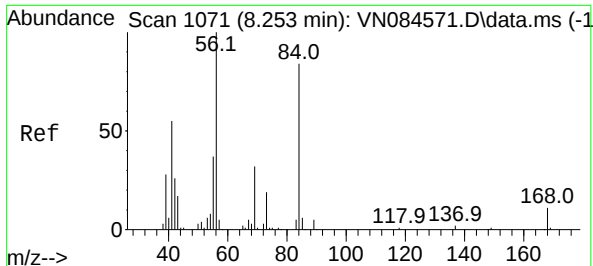
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

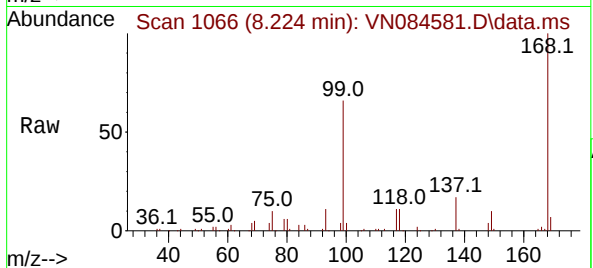
Tgt Ion: 43 Resp: 3314
Ion Ratio Lower Upper
43 100
74 16.1 19.2 28.8#



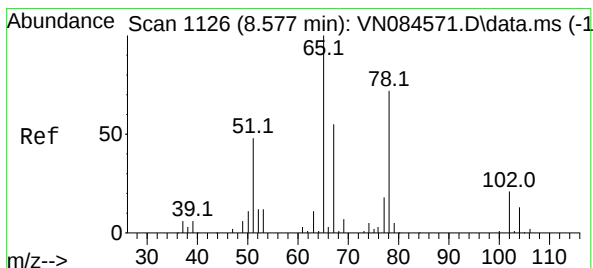
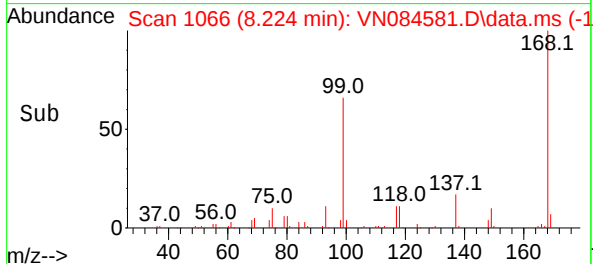
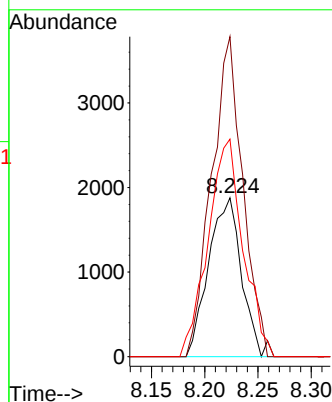


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Instrument :
MSVOA_N
ClientSampleId :

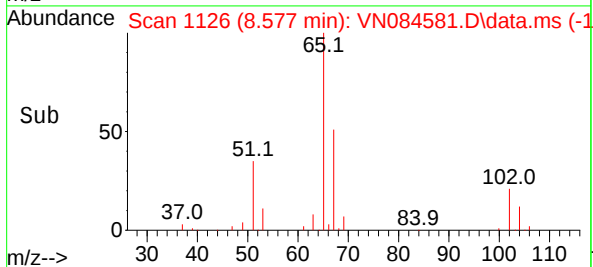
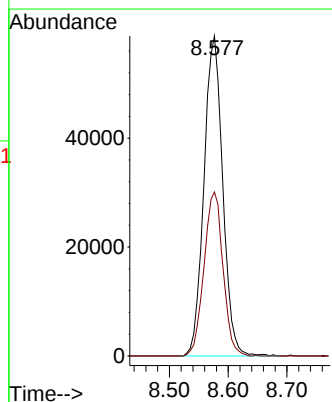
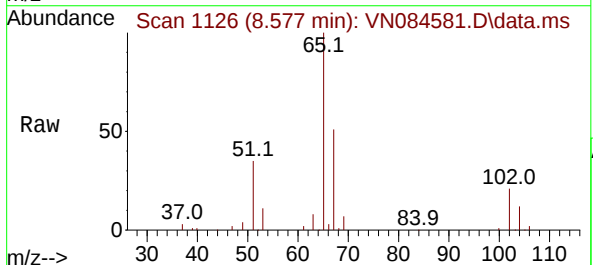


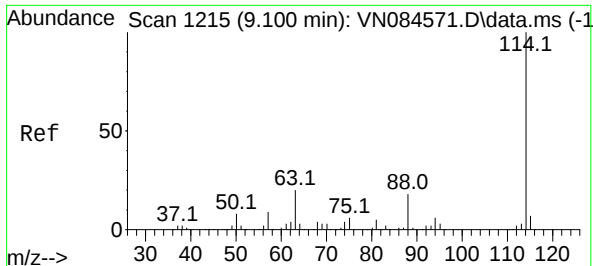
Tgt Ion: 56 Resp: 4046
Ion Ratio Lower Upper
56 100
69 201.5 23.8 35.6#
84 137.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.791 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Tgt Ion: 65 Resp: 130757
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

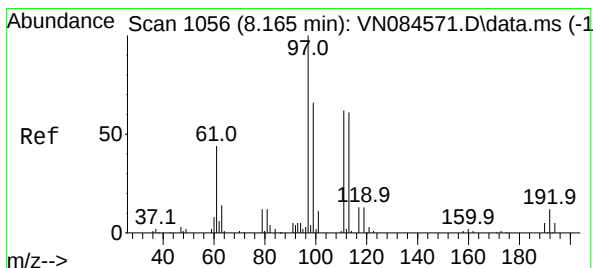
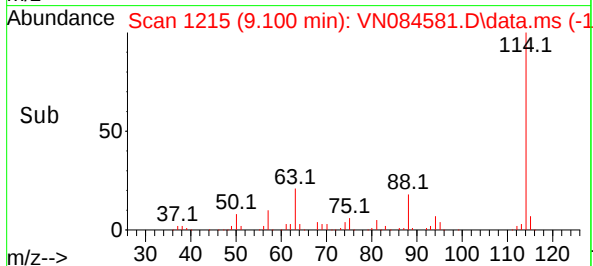
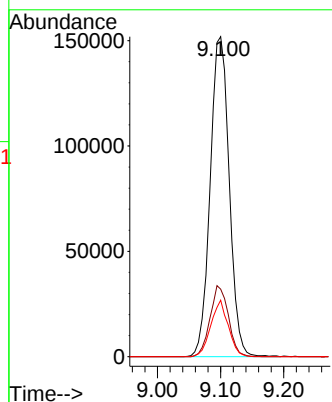
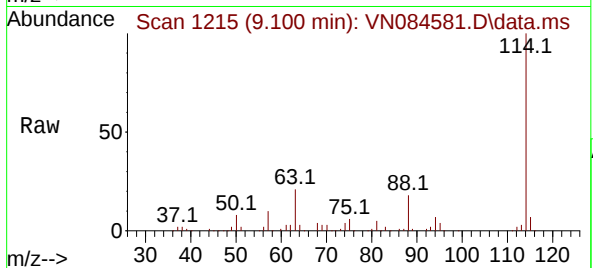




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

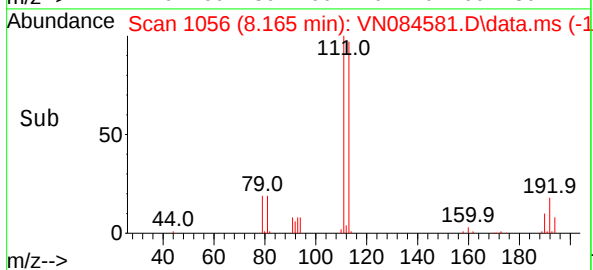
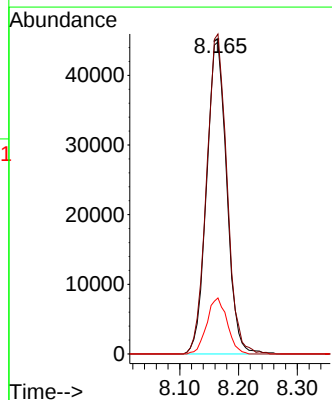
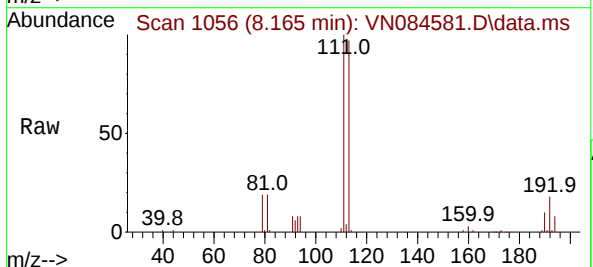
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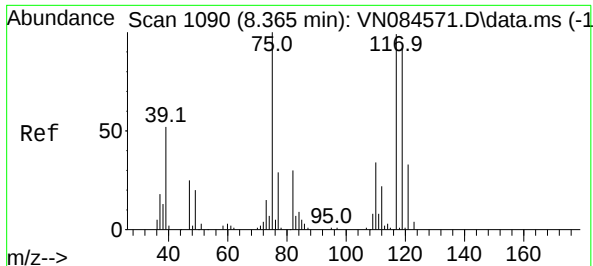
Tgt Ion:114 Resp: 317923
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 17.7 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.489 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Tgt Ion:113 Resp: 106498
Ion Ratio Lower Upper
113 100
111 103.6 83.3 124.9
192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

Instrument :

MSVOA_N

ClientSampleId :

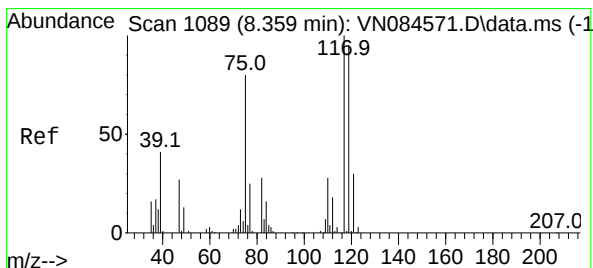
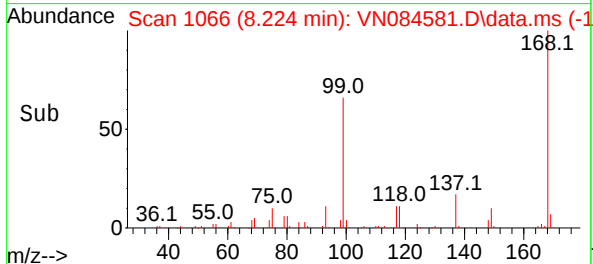
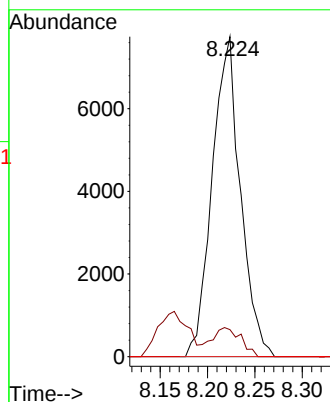
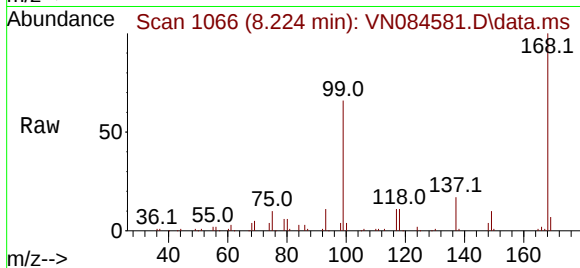
Tgt Ion: 75 Resp: 16036

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.870 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

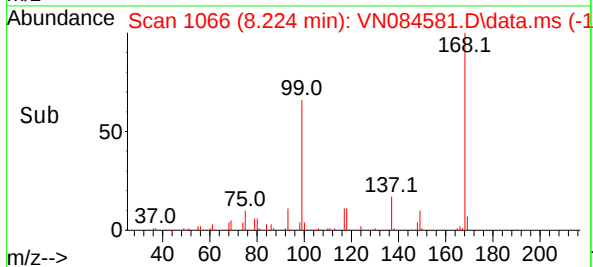
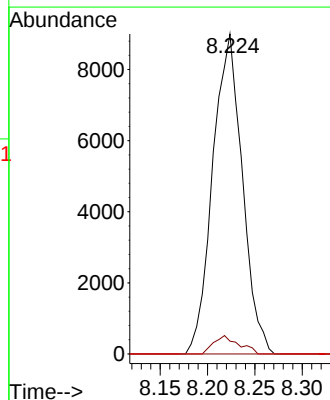
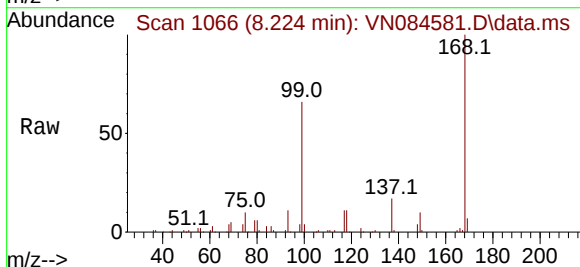
Tgt Ion: 117 Resp: 19582

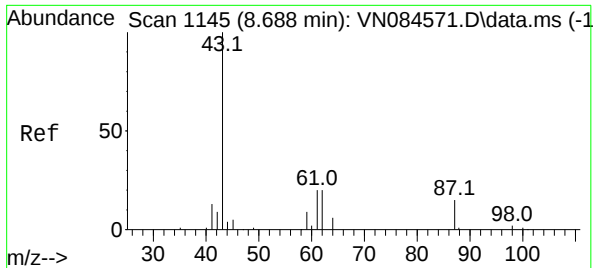
Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

121 0.0 24.4 36.6#

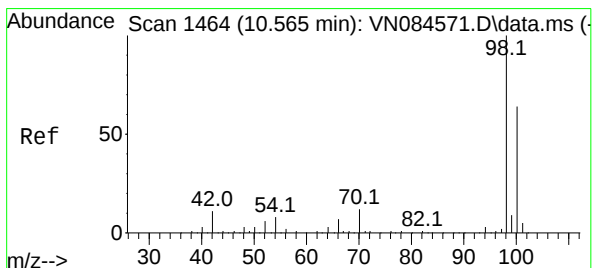
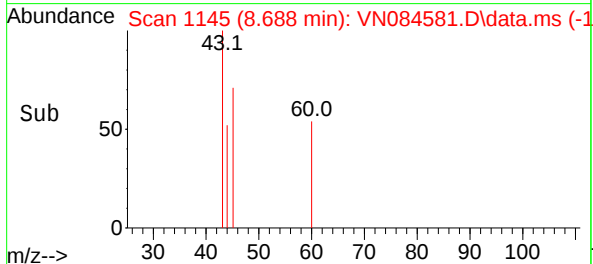
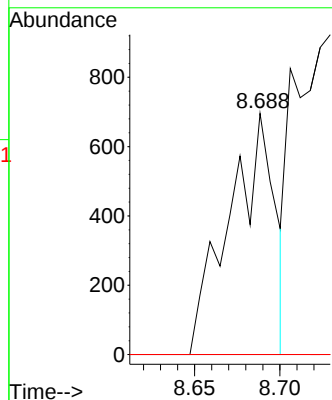
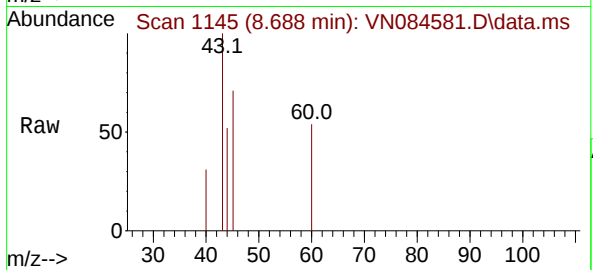




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

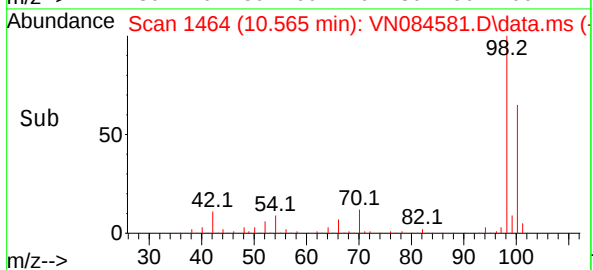
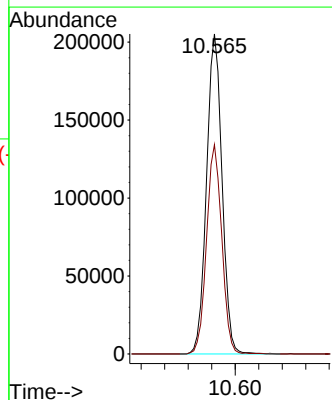
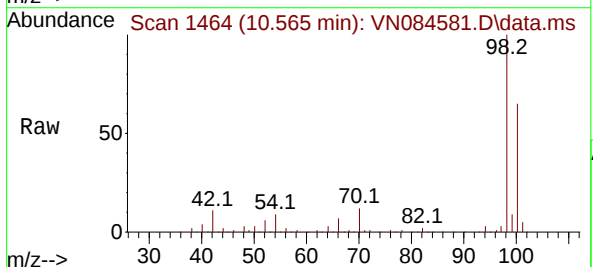
Instrument :
MSVOA_N
ClientSampleId :

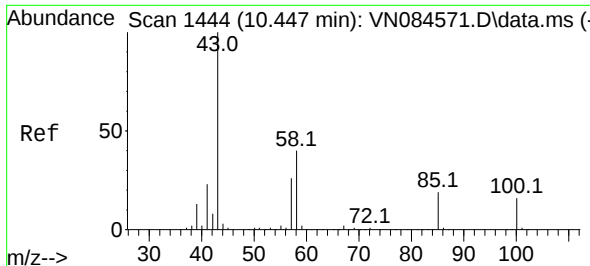
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 47.216 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084581.D
Acq: 30 Oct 2024 21:12

Tgt Ion: 98 Resp: 374287
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.642 ug/l

RT: 10.565 min Scan# 1444

Delta R.T. 0.124 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

Instrument :

MSVOA_N

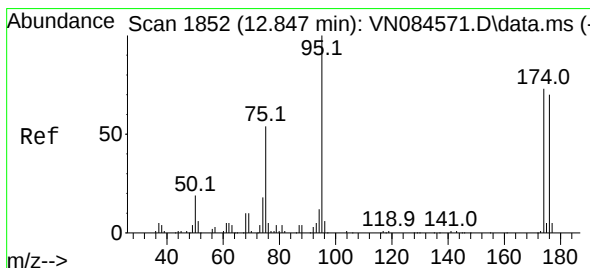
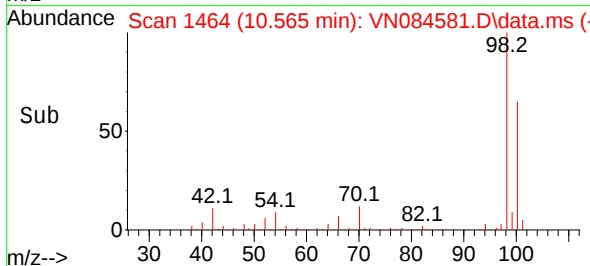
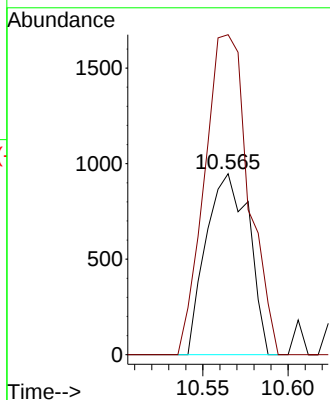
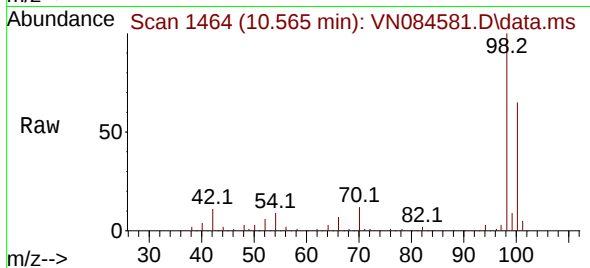
ClientSampleId :

Tgt Ion: 43 Resp: 1657

Ion Ratio Lower Upper

43 100

58 182.1 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 46.760 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

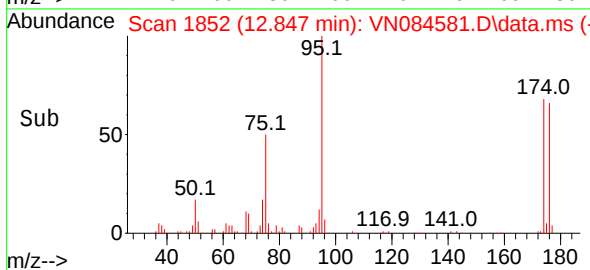
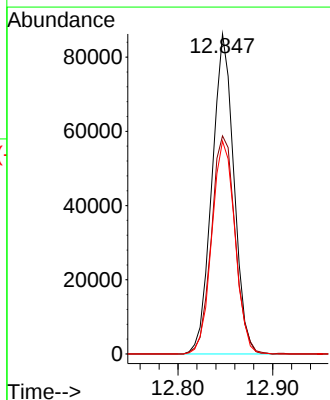
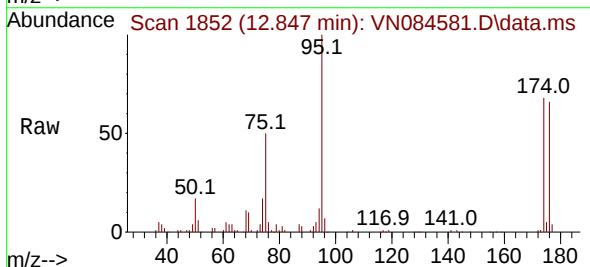
Tgt Ion: 95 Resp: 138531

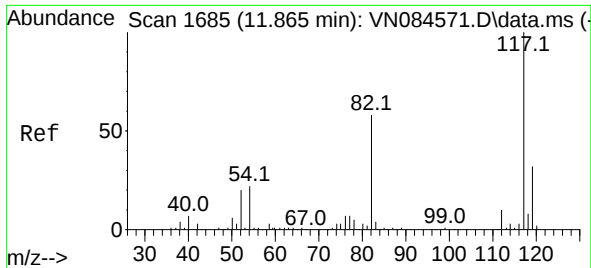
Ion Ratio Lower Upper

95 100

174 73.8 0.0 145.2

176 70.1 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: VN084581.D

Acq: 30 Oct 2024 21:12

Instrument :

MSVOA_N

ClientSampleId :

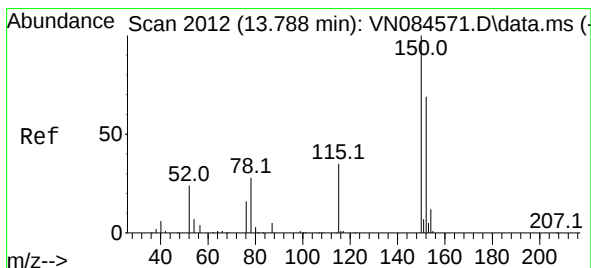
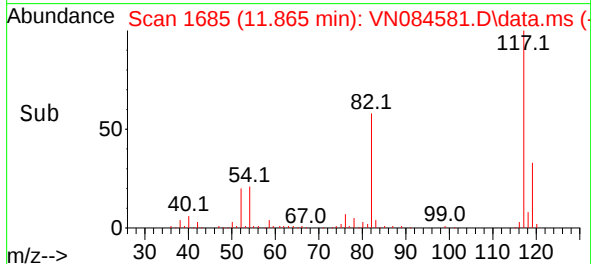
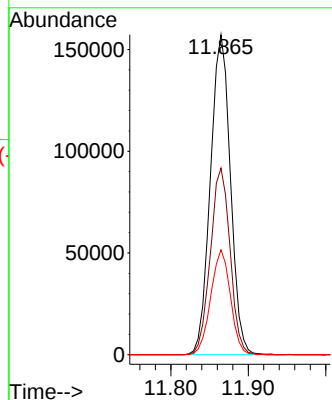
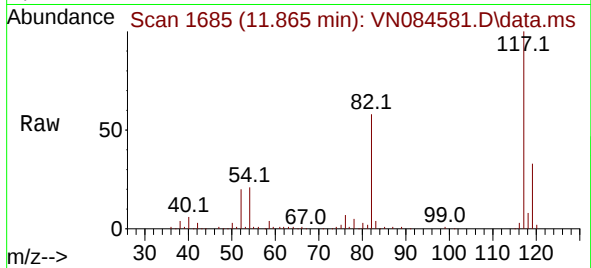
Tgt Ion:117 Resp: 282193

Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

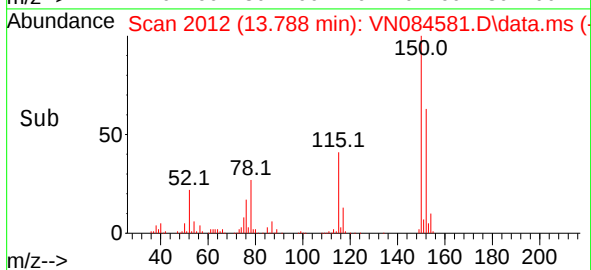
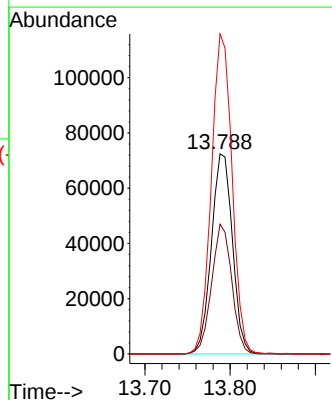
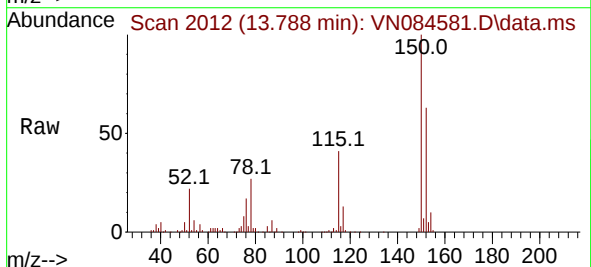
Tgt Ion:152 Resp: 124291

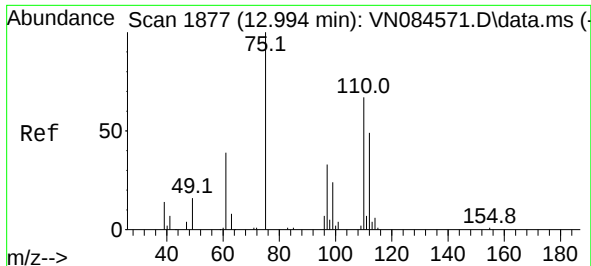
Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 157.4 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 28.887 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

Instrument :

MSVOA_N

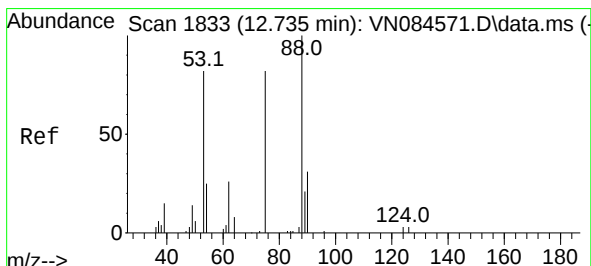
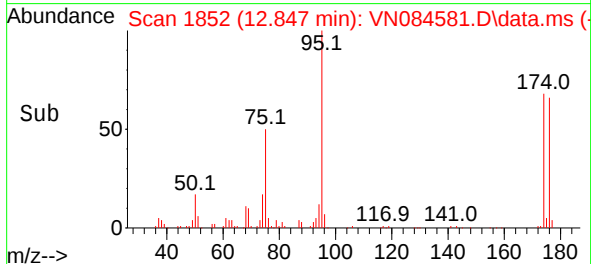
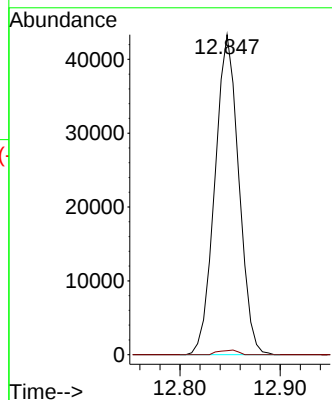
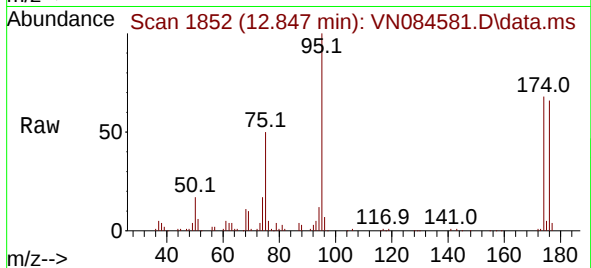
ClientSampleId :

Tgt Ion: 75 Resp: 71769

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.530 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

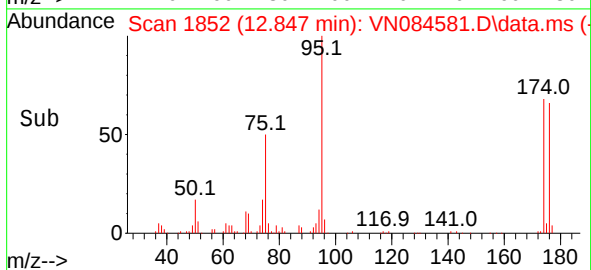
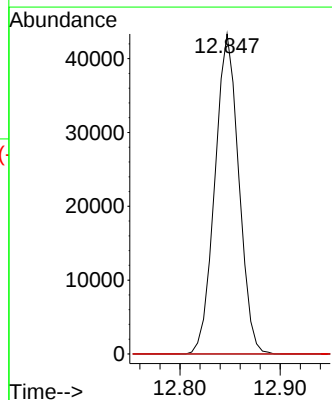
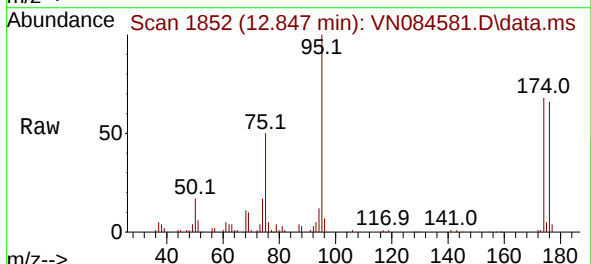
Tgt Ion: 75 Resp: 71769

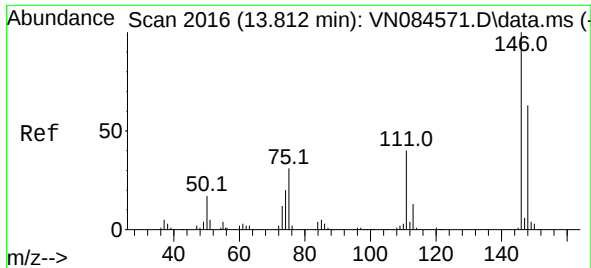
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.817 min Scan# 2016

Delta R.T. 0.005 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

Instrument :

MSVOA_N

ClientSampleId :

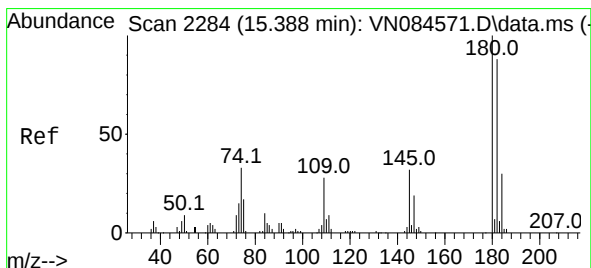
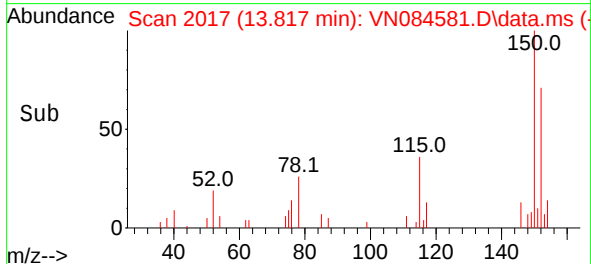
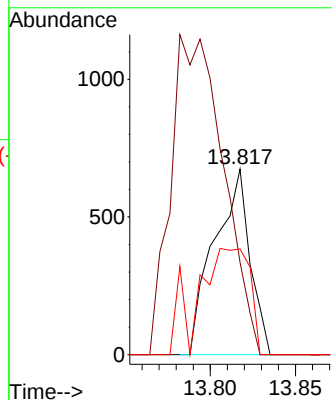
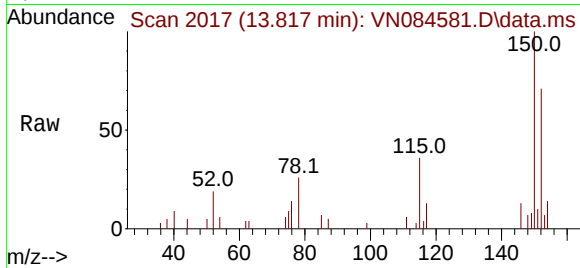
Tgt Ion:146 Resp: 979

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 72.4 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 0.291 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

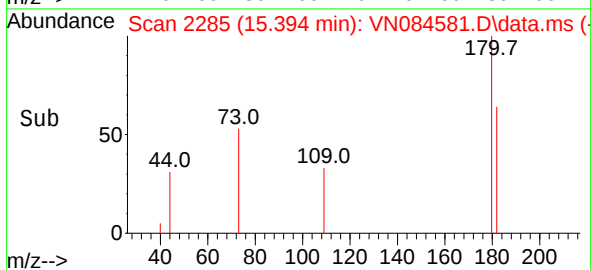
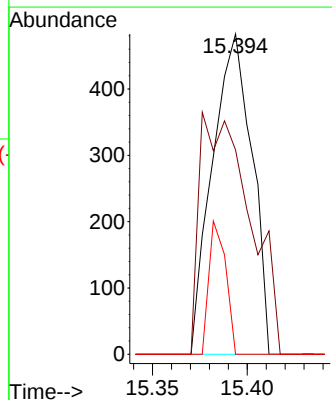
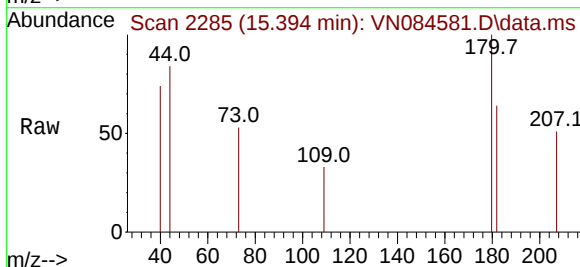
Tgt Ion:180 Resp: 700

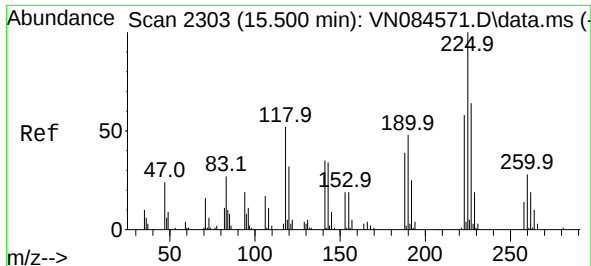
Ion Ratio Lower Upper

180 100

182 95.1 47.0 141.0

145 17.7 16.4 49.4





#94

Hexachlorobutadiene

Concen: 0.276 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

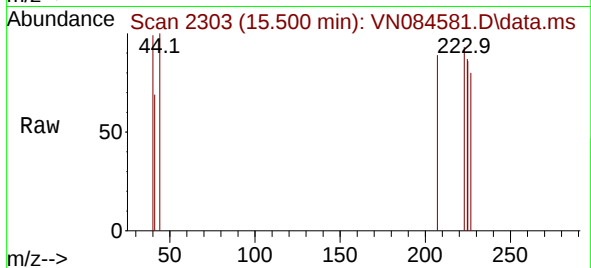
Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

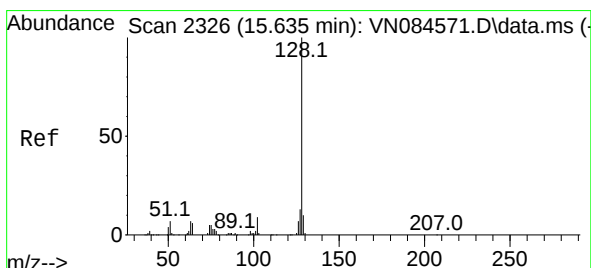
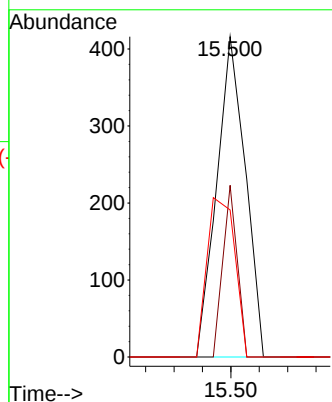
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	291
Ion	Ratio	Lower	Upper
225	100		
223	27.1	32.4	97.2#
227	48.1	32.4	97.0



#95

Naphthalene

Concen: 0.230 ug/l

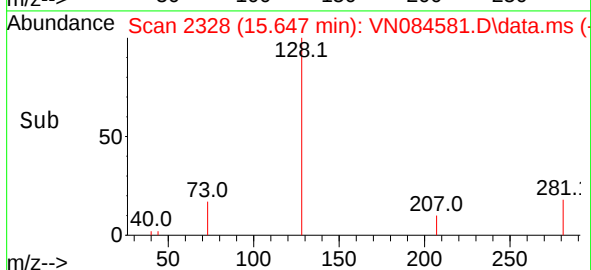
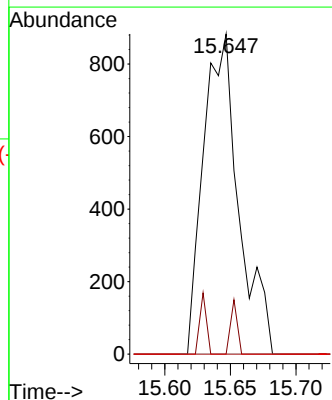
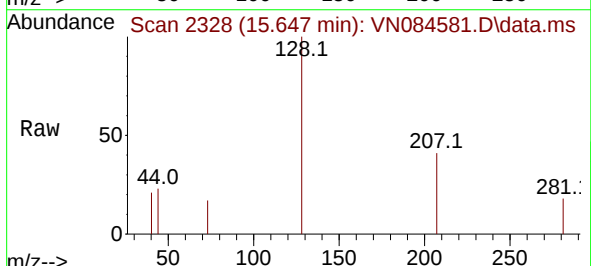
RT: 15.647 min Scan# 2328

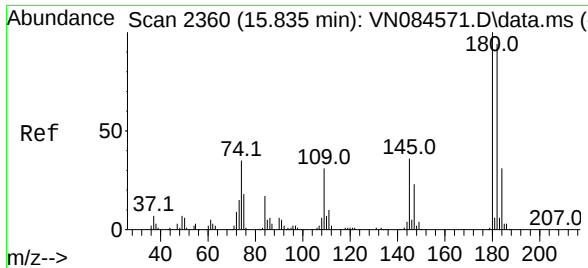
Delta R.T. 0.012 min

Lab File: VN084581.D

Acq: 30 Oct 2024 21:12

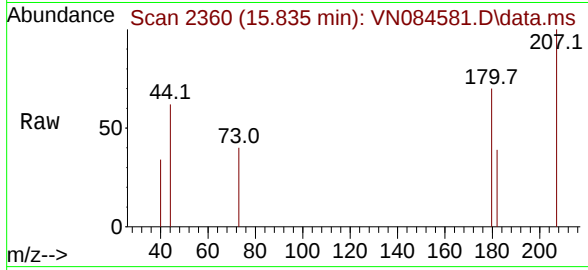
Tgt Ion:	128	Resp:	1654
Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.5	15.7#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 15.835 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VN084581.D
 Acq: 30 Oct 2024 21:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 84.2 48.2 144.6
 145 9.6 17.3 51.9#

