

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085231.D
 Acq On : 17 Dec 2024 17:57
 Operator : JC\MD
 Sample : P5291-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 00:30:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

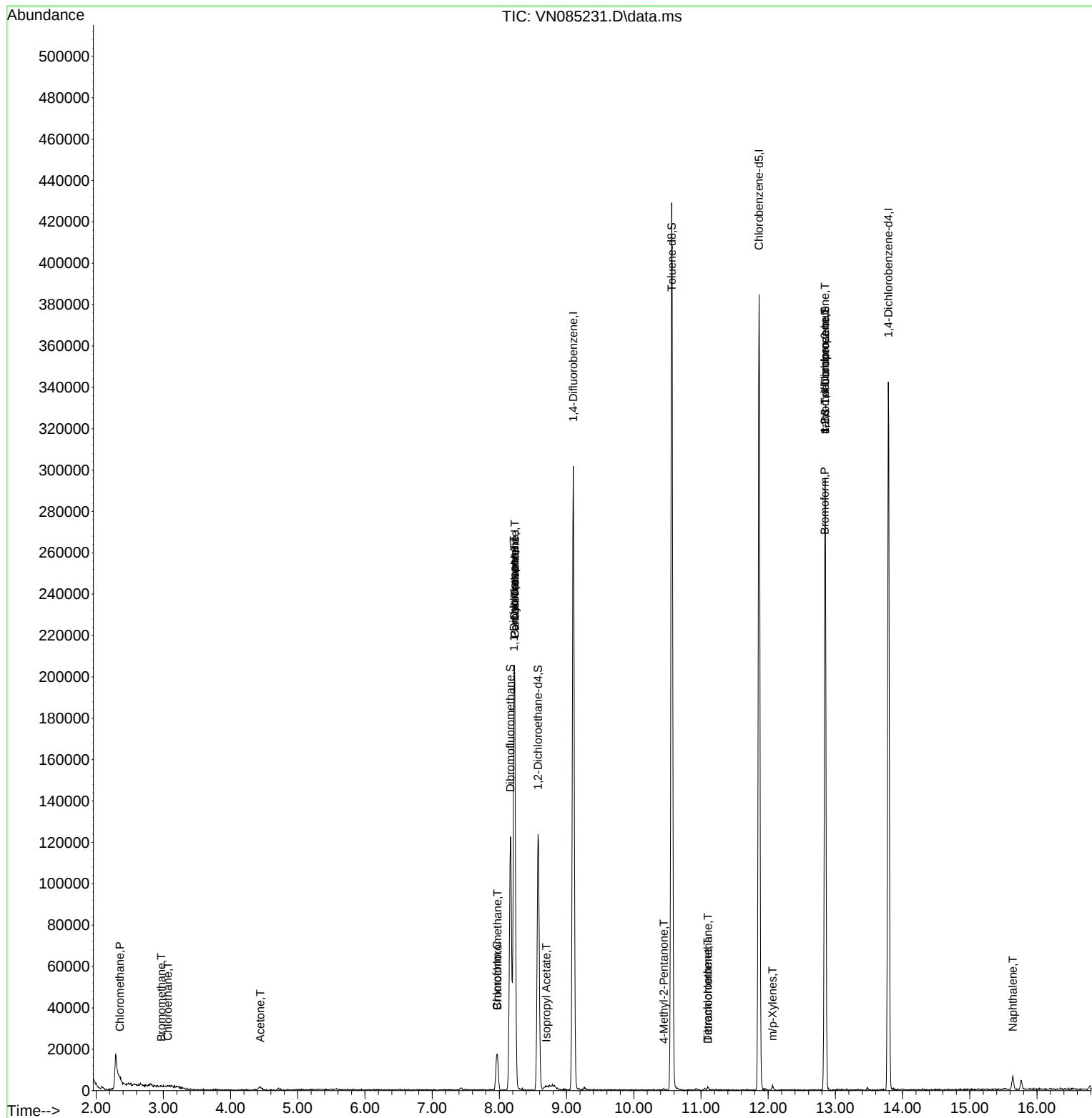
Internal Standards						
1) Pentafluorobenzene	8.230	168	149610	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	9.100	114	257512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106370	49.914	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.820%	
35) Dibromofluoromethane	8.165	113	87106	50.160	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.320%	
50) Toluene-d8	10.565	98	299096	48.059	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.120%	
62) 4-Bromofluorobenzene	12.847	95	105674	45.405	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	90.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	640	0.326	ug/l #	40
5) Bromomethane	2.971	94	235	0.238	ug/l #	1
6) Chloroethane	3.065	64	943	0.793	ug/l #	44
16) Acetone	4.442	43	3302	5.320	ug/l	92
18) Methyl Acetate	5.059	43	60	Below Cal	#	50
28) Bromochloromethane	7.971	49	1381	1.135	ug/l #	14
30) Chloroform	7.965	83	18449	5.379	ug/l	99
31) Cyclohexane	8.224	56	3339	1.176	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13077	5.560	ug/l #	50
38) Carbon Tetrachloride	8.230	117	16477	6.069	ug/l #	15
43) Isopropyl Acetate	8.700	43	2016	0.454	ug/l #	55
51) 4-Methyl-2-Pentanone	10.447	43	771	0.380	ug/l #	77
60) Dibromochloromethane	11.106	129	487	0.243	ug/l #	10
64) Tetrachloroethene	11.100	164	347	0.231	ug/l #	74
68) m/p-Xylenes	12.065	106	886	0.284	ug/l	97
71) Bromoform	12.841	173	293	0.222	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	54965	32.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54965	72.511	ug/l #	10
95) Naphthalene	15.641	128	7001	1.371	ug/l	98

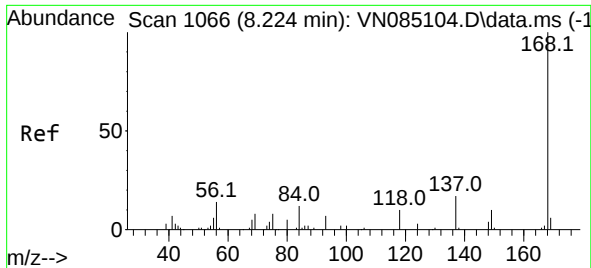
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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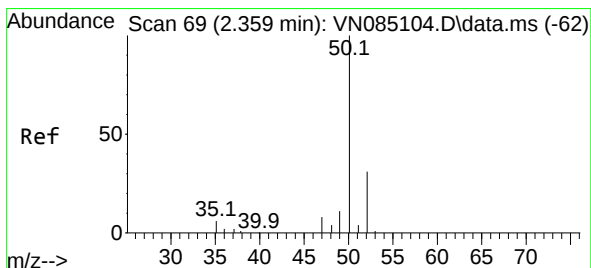
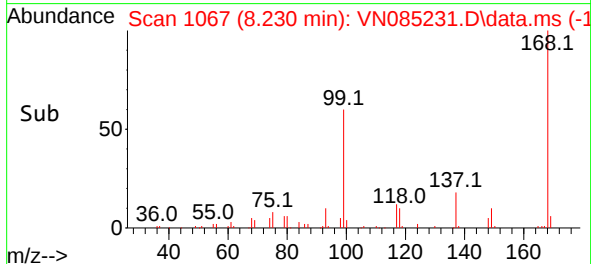
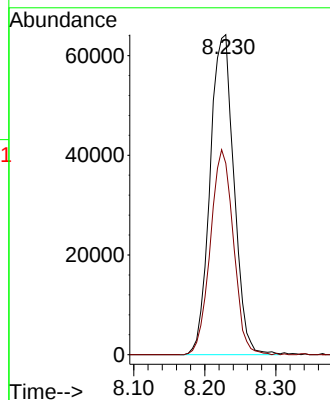
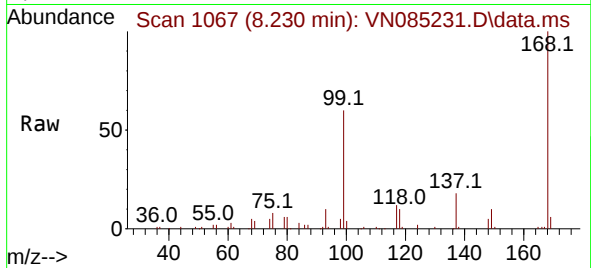




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

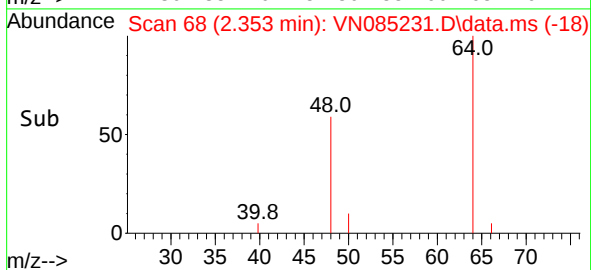
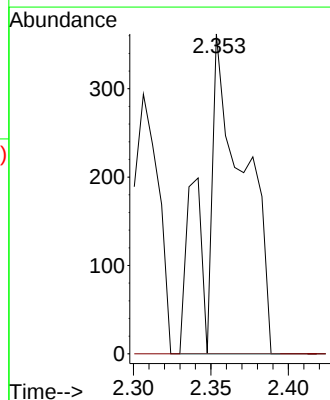
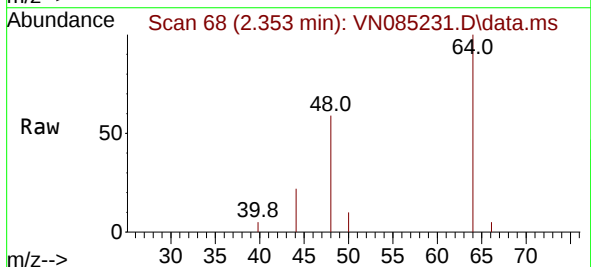
Instrument :
MSVOA_N
ClientSampleId :

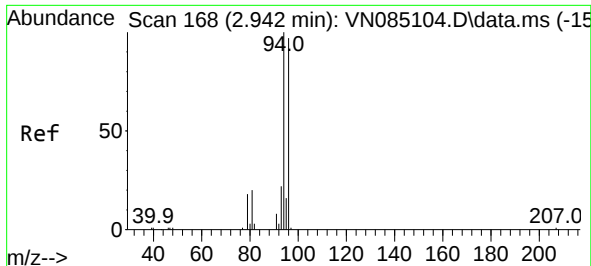
Tgt Ion:168 Resp: 149610
Ion Ratio Lower Upper
168 100
99 59.8 51.2 76.8



#3
Chloromethane
Concen: 0.326 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 50 Resp: 640
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

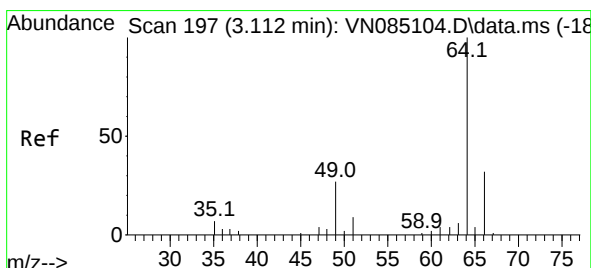
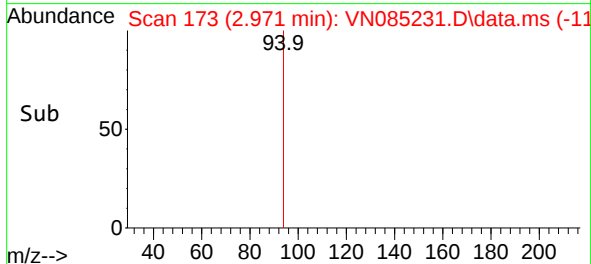
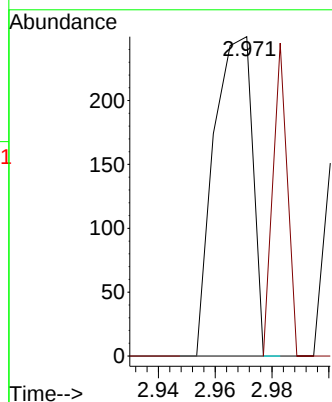
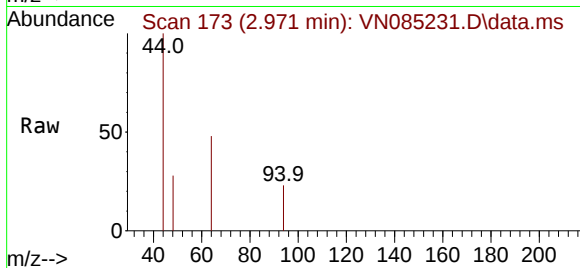




#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

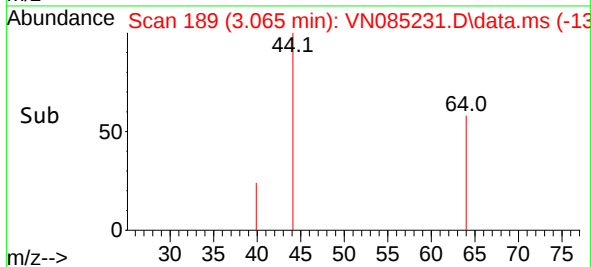
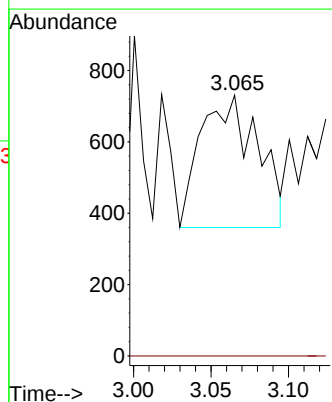
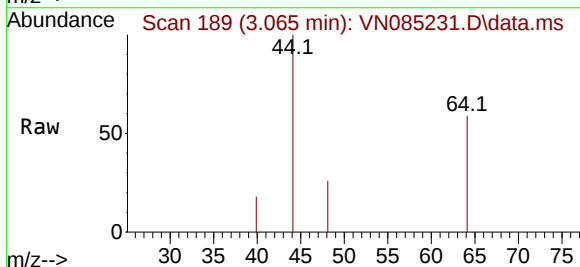
Instrument :
MSVOA_N
ClientSampleId :

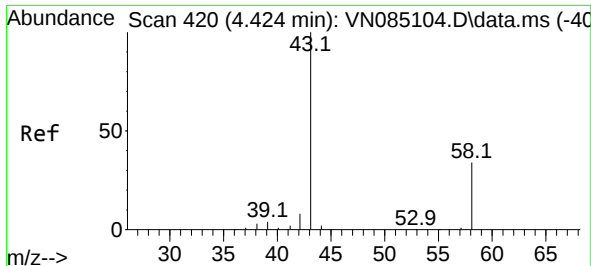
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 0.0 78.7 118.1#



#6
Chloroethane
Concen: 0.793 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.000 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 64 Resp: 943
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

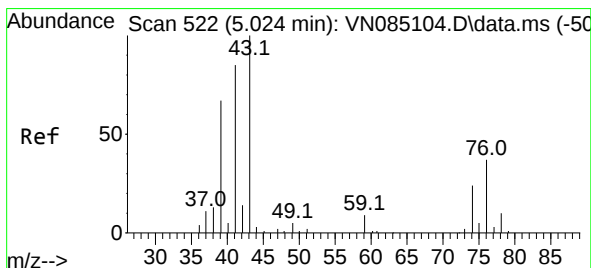
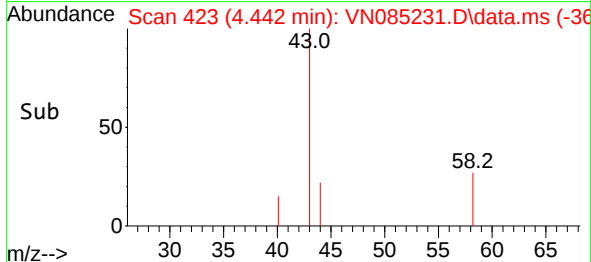
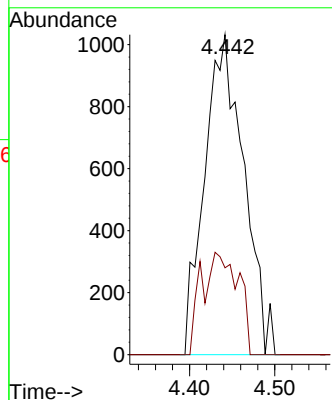
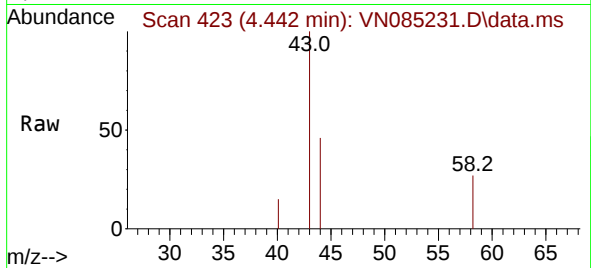




#16
Acetone
Concen: 5.320 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

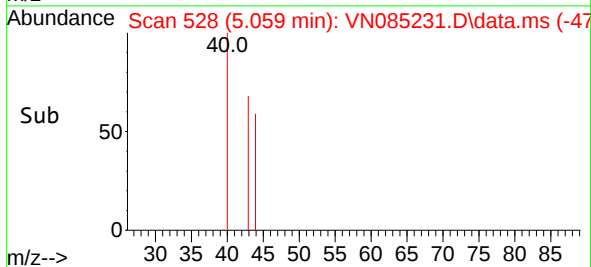
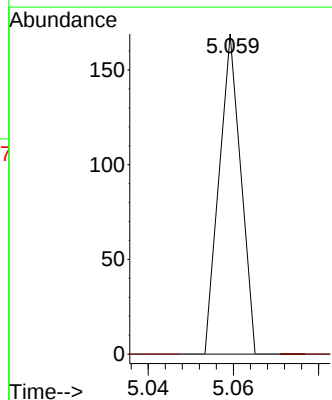
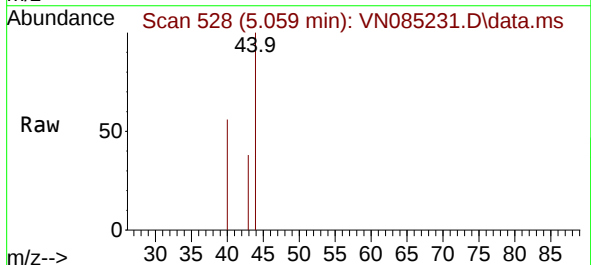
Instrument :
MSVOA_N
ClientSampleId :

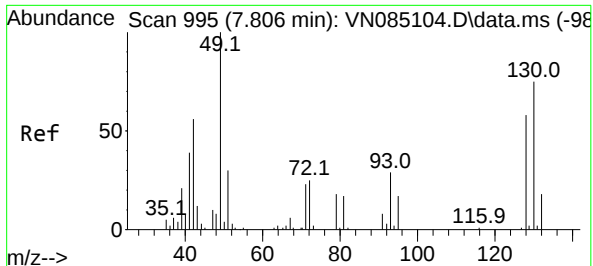
Tgt Ion: 43 Resp: 3302
Ion Ratio Lower Upper
43 100
58 27.1 25.4 38.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.059 min Scan# 528
Delta R.T. 0.041 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

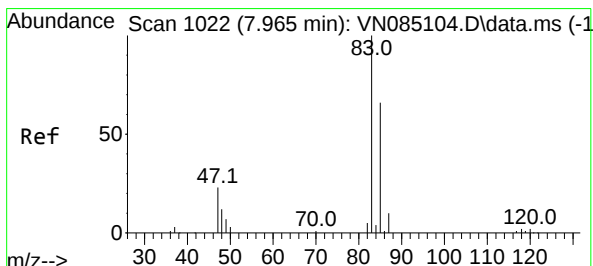
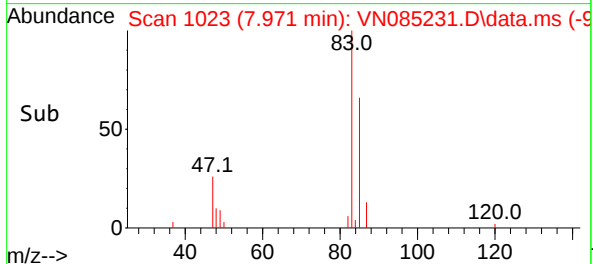
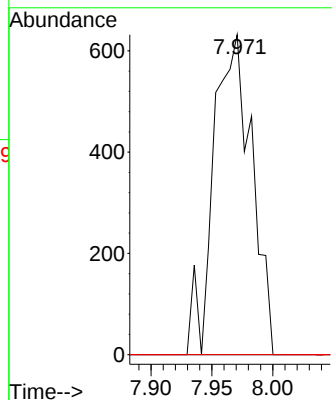
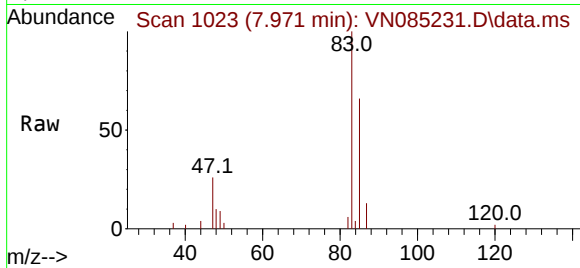




#28
Bromochloromethane
Concen: 1.135 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.165 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

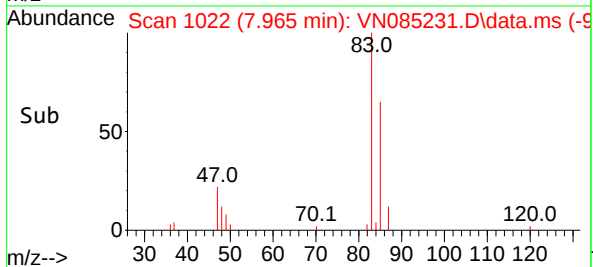
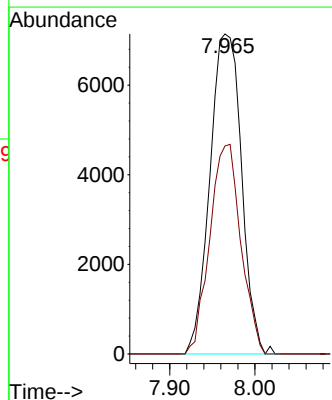
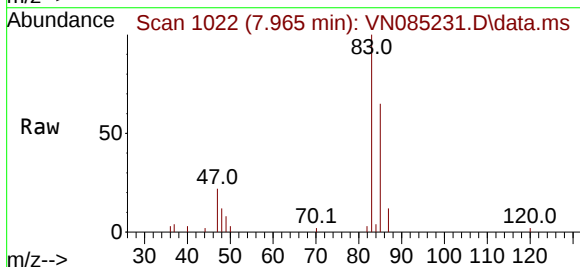
Instrument :
MSVOA_N
ClientSampleId :

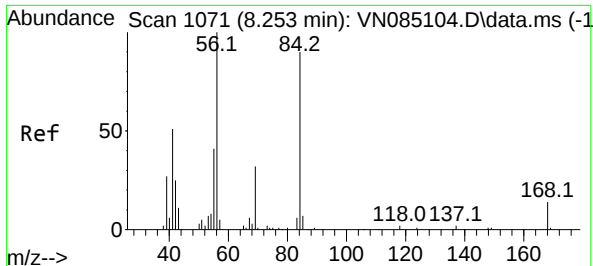
Tgt Ion: 49 Resp: 1381
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 60.6 90.8#



#30
Chloroform
Concen: 5.379 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

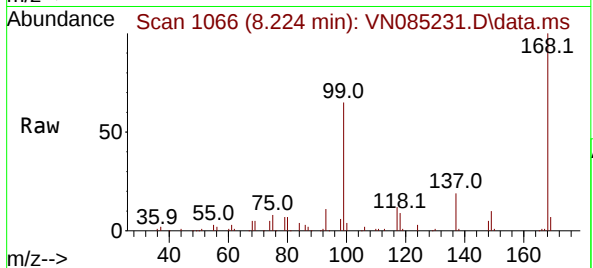
Tgt Ion: 83 Resp: 18449
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8



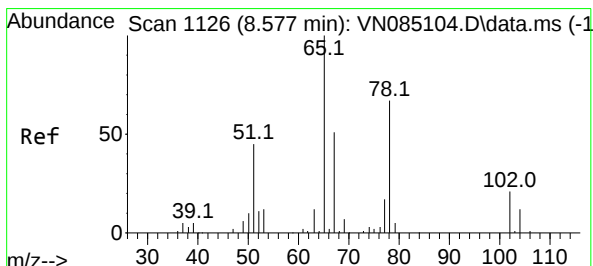
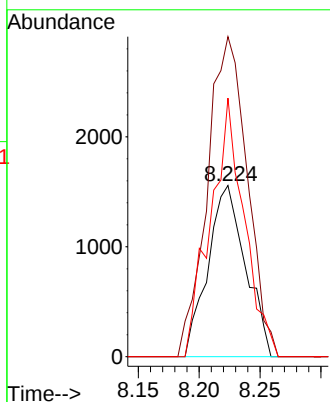
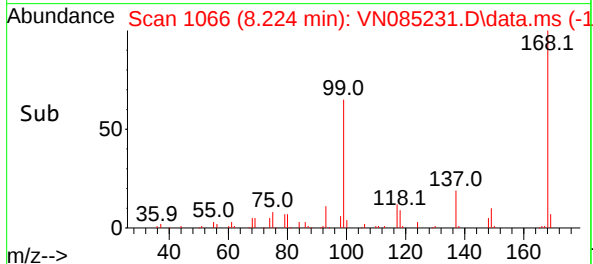


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

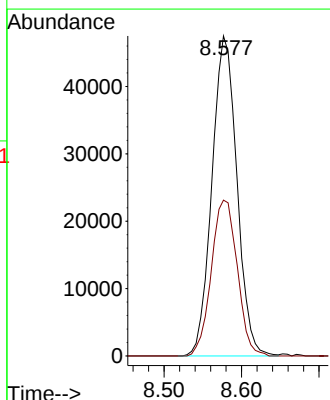
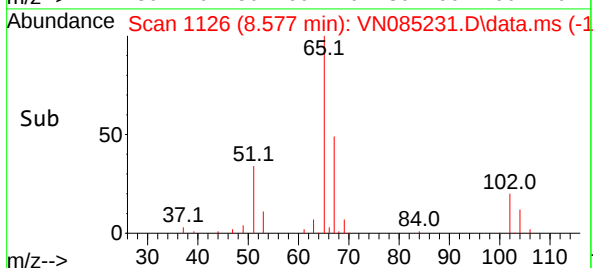
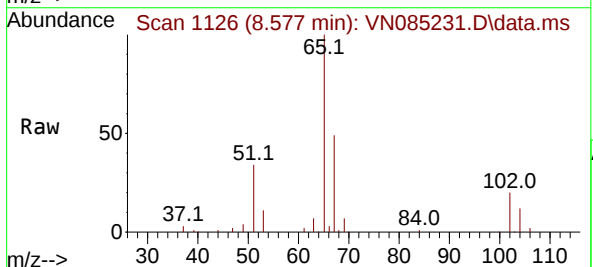


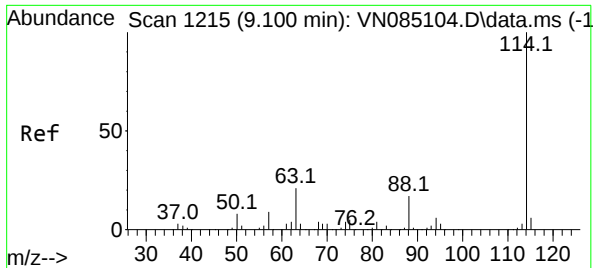
Tgt Ion: 56 Resp: 3339
Ion Ratio Lower Upper
56 100
69 187.0 24.6 36.8#
84 151.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 65 Resp: 106370
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0

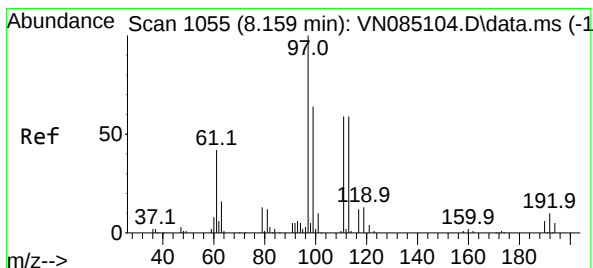
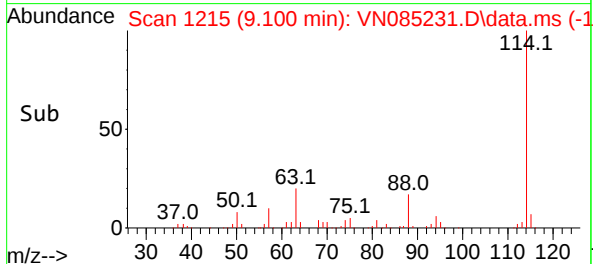
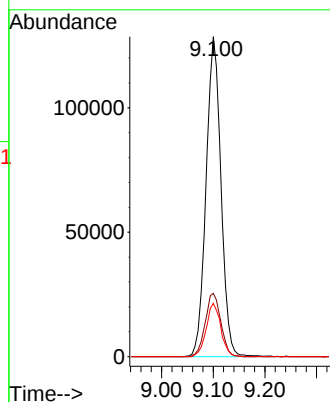
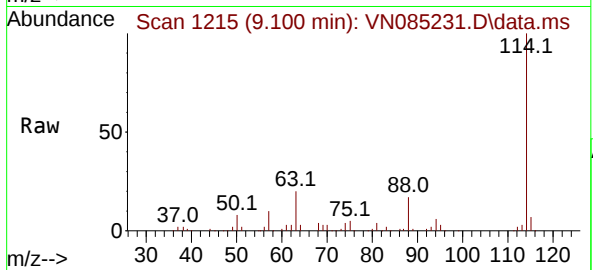




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

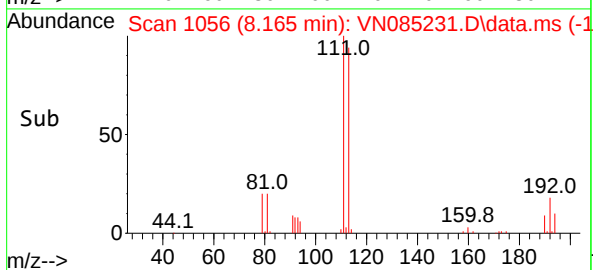
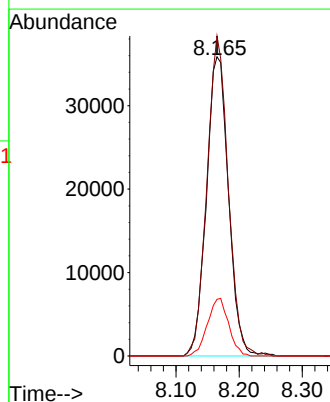
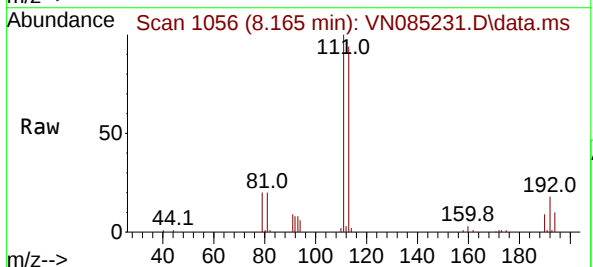
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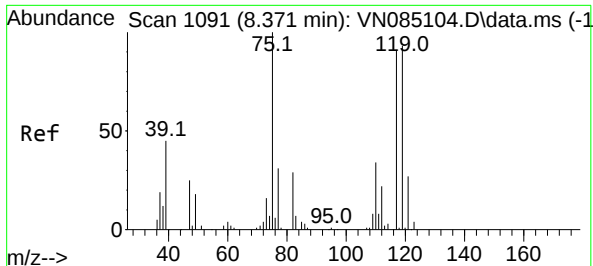
Tgt Ion:114 Resp: 257512
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 16.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion:113 Resp: 87106
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.560 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

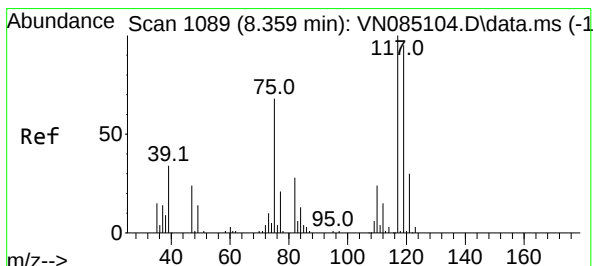
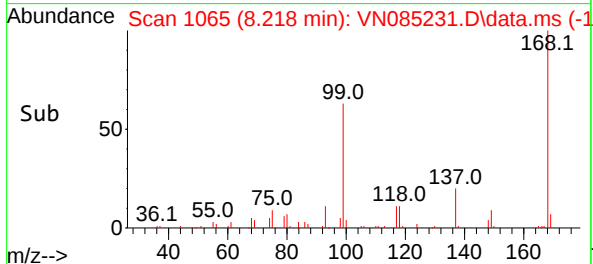
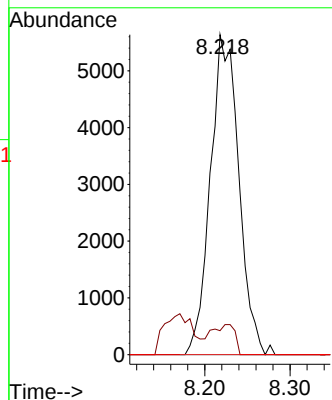
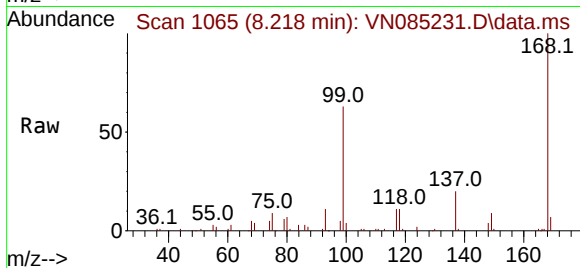
Tgt Ion: 75 Resp: 13077

Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.124 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

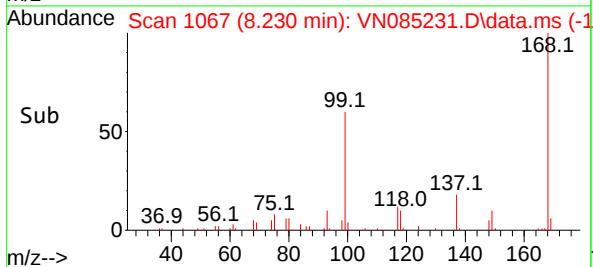
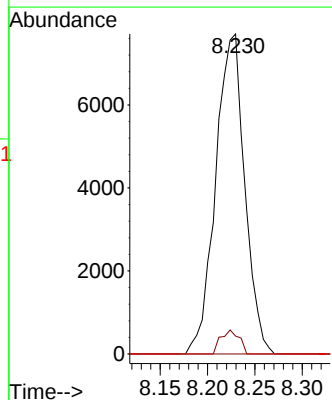
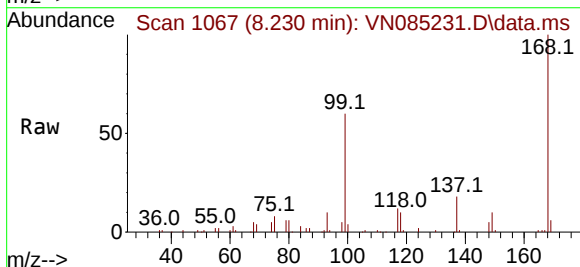
Tgt Ion: 117 Resp: 16477

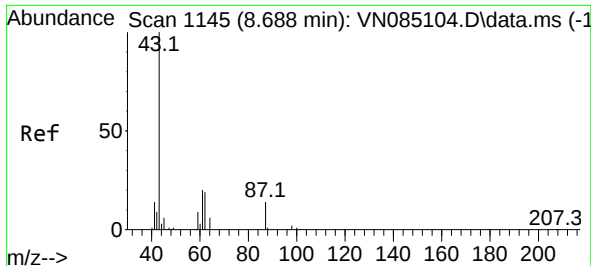
Ion Ratio Lower Upper

117 100

119 5.6 78.6 117.8#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.454 ug/l

RT: 8.700 min Scan# 1145

Delta R.T. 0.018 min

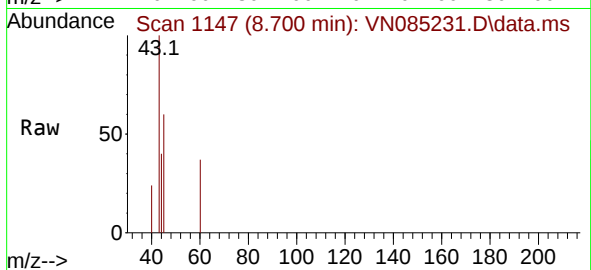
Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :



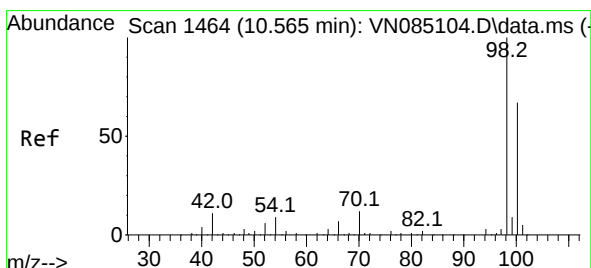
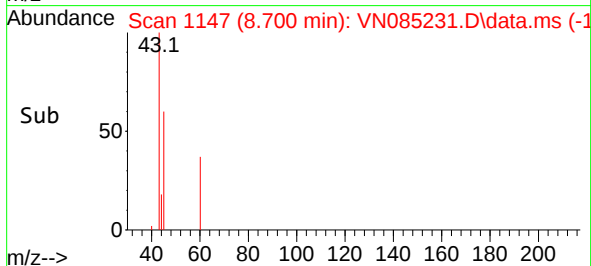
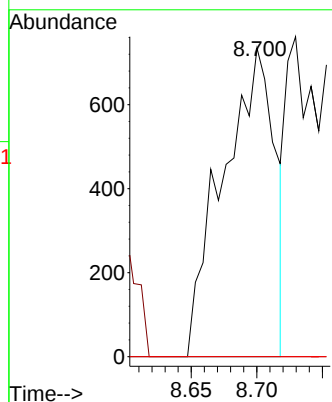
Tgt Ion: 43 Resp: 2016

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#



#50

Toluene-d8

Concen: 48.059 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085231.D

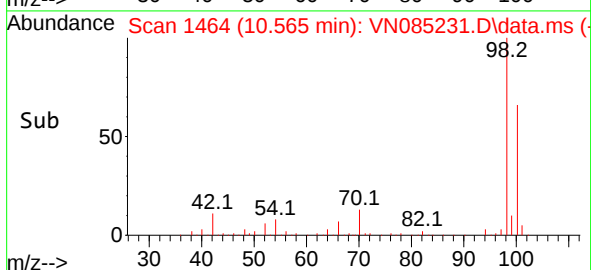
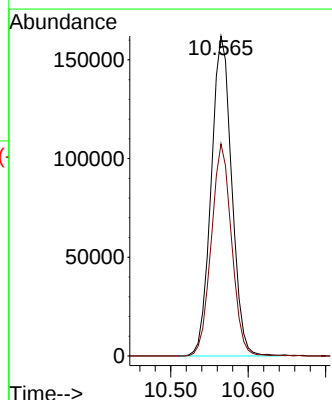
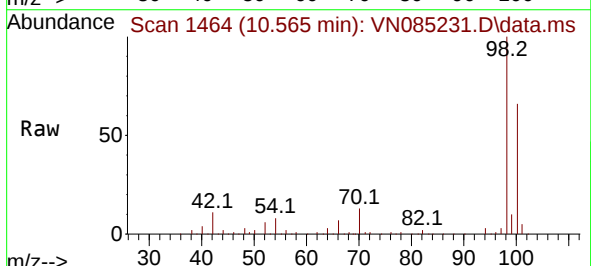
Acq: 17 Dec 2024 17:57

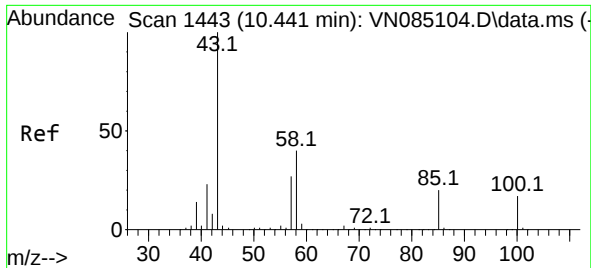
Tgt Ion: 98 Resp: 299096

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

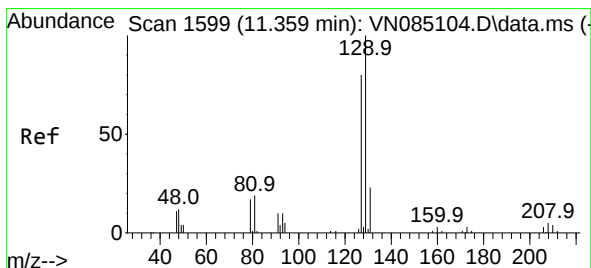
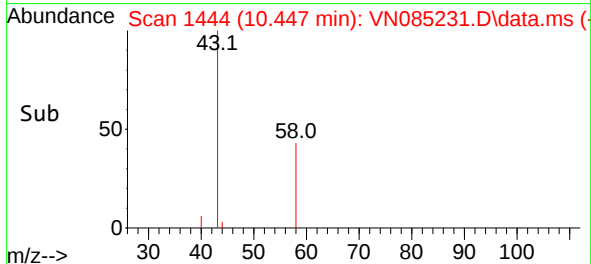
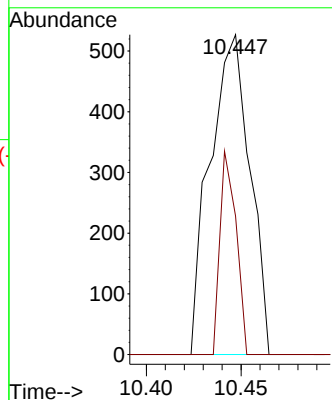
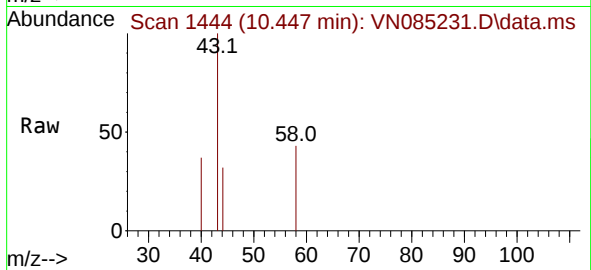




#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

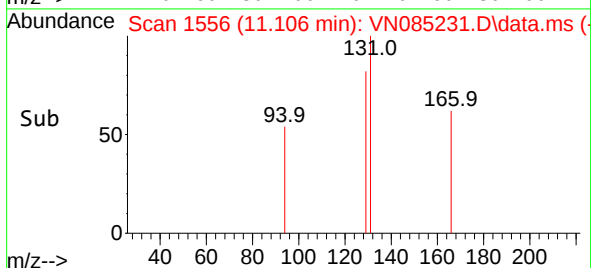
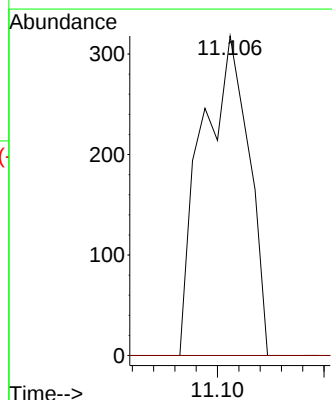
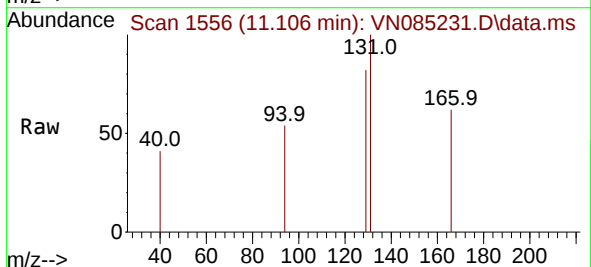
Instrument :
MSVOA_N
ClientSampleId :

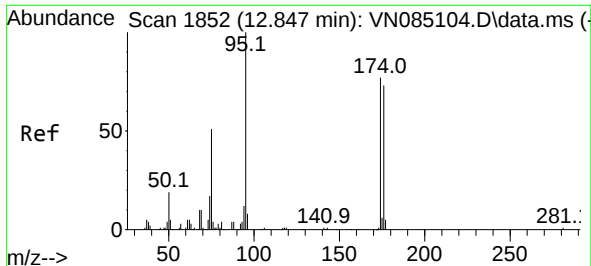
Tgt Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
58 25.8 32.1 48.1#



#60
Dibromochloromethane
Concen: 0.243 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 129 Resp: 487
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

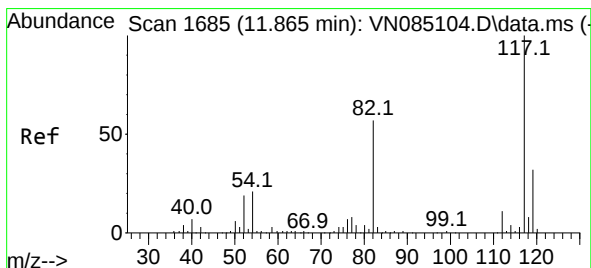
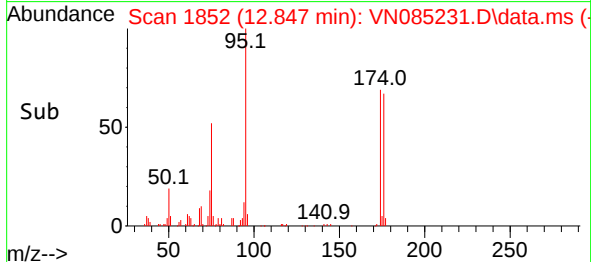
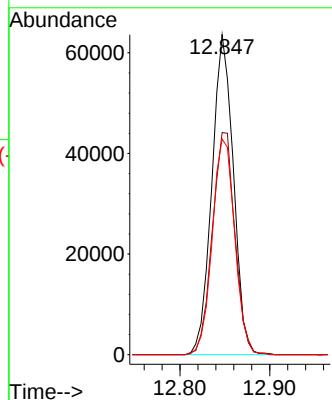
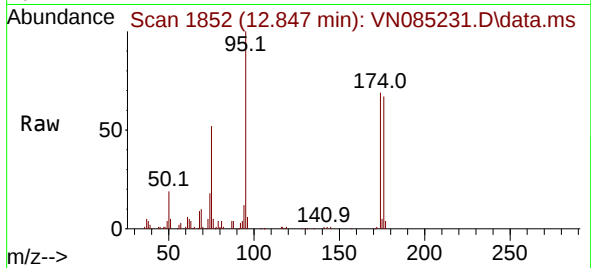




#62
4-Bromofluorobenzene
Concen: 45.405 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

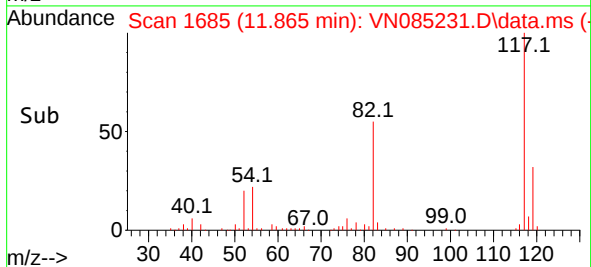
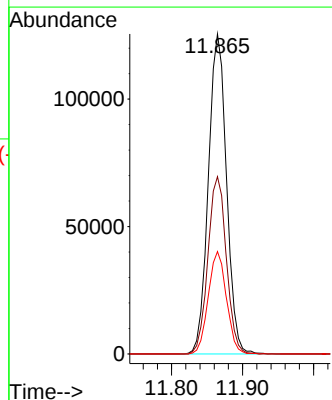
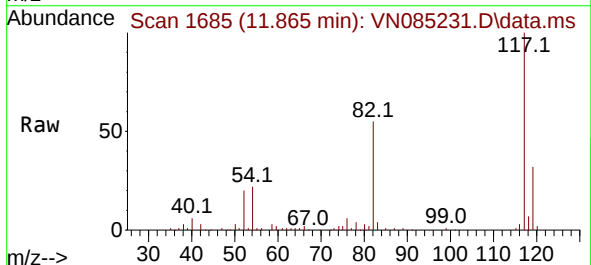
Instrument :
MSVOA_N
ClientSampleId :

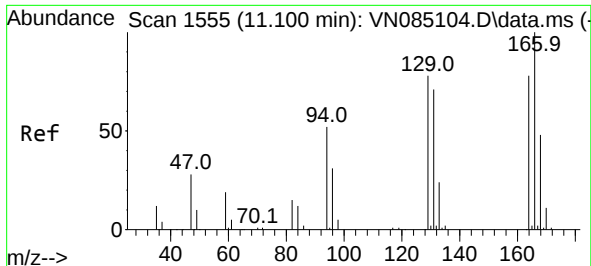
Tgt Ion: 95 Resp: 105674
Ion Ratio Lower Upper
95 100
174 73.2 0.0 146.6
176 70.5 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

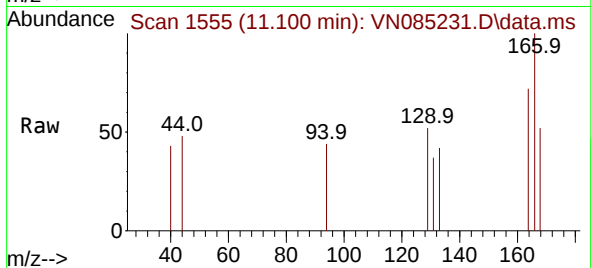
Tgt Ion: 117 Resp: 222900
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 32.0 25.6 38.4



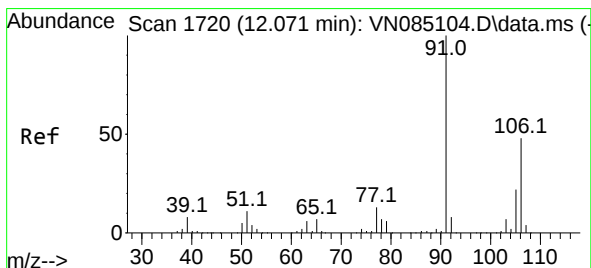
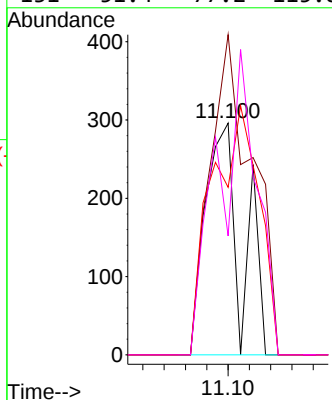
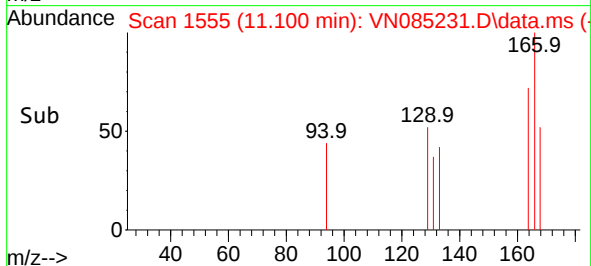


#64
Tetrachloroethene
Concen: 0.231 ug/l
RT: 11.100 min Scan# 1119
Delta R.T. -0.000 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

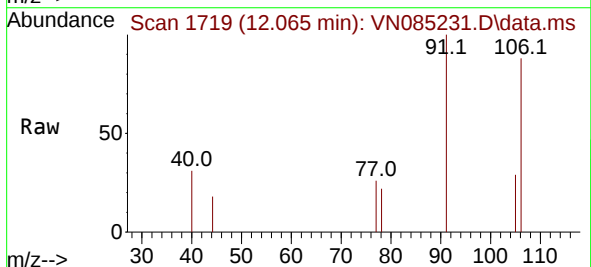
Instrument :
MSVOA_N
ClientSampleId :



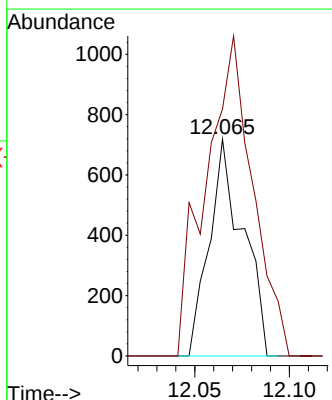
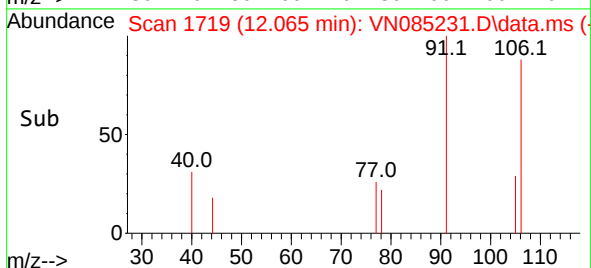
Tgt Ion:164 Resp: 347
Ion Ratio Lower Upper
164 100
166 138.2 100.6 151.0
129 72.3 77.7 116.5#
131 51.4 77.2 115.8#

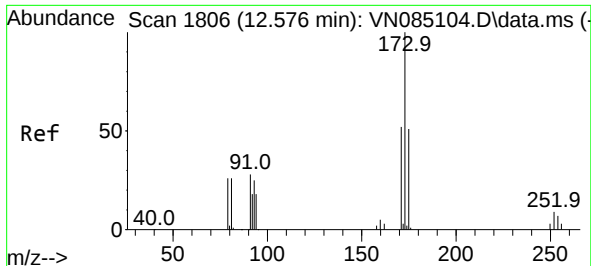


#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57



Tgt Ion:106 Resp: 886
Ion Ratio Lower Upper
106 100
91 205.8 168.0 252.0

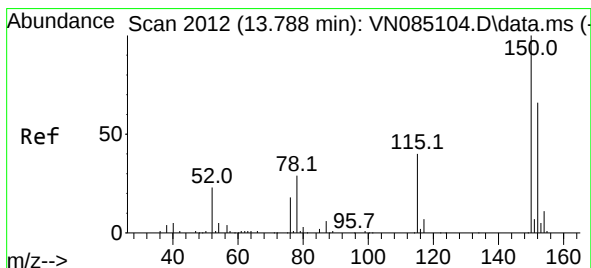
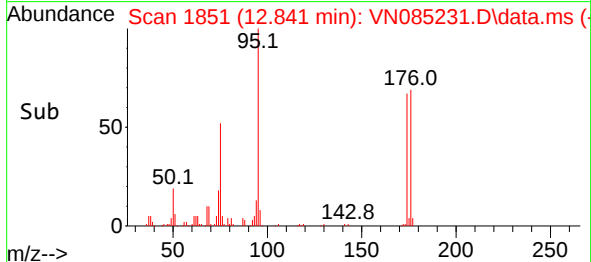
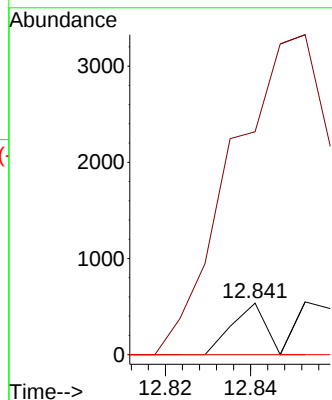
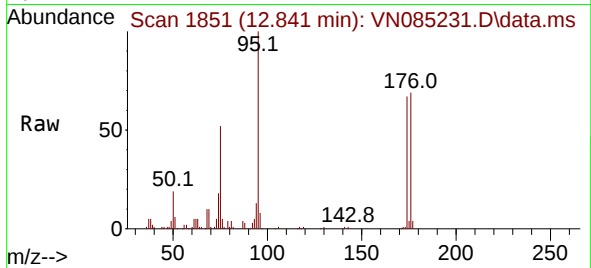




#71
Bromoform
Concen: 0.222 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

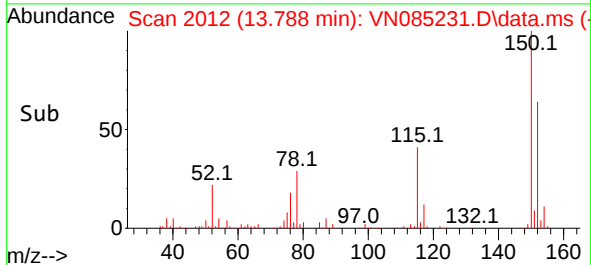
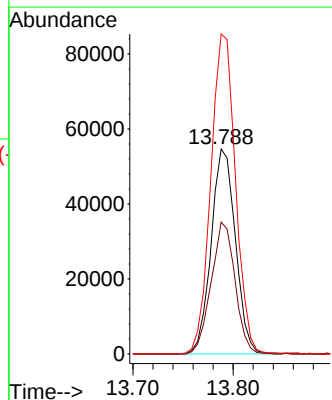
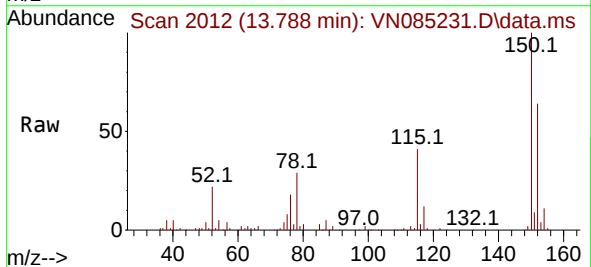
Instrument :
MSVOA_N
ClientSampleId :

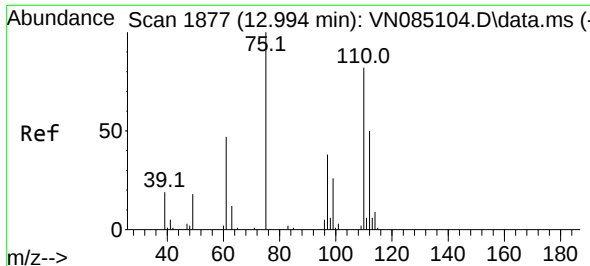
Tgt Ion:173 Resp: 293
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion:152 Resp: 91999
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 158.6 0.0 351.4

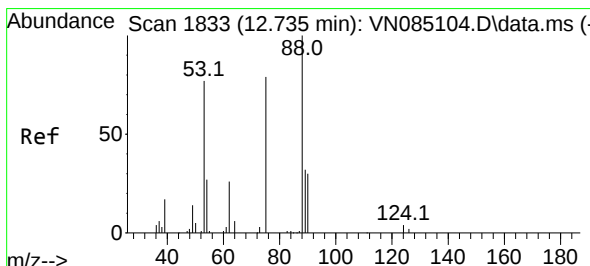
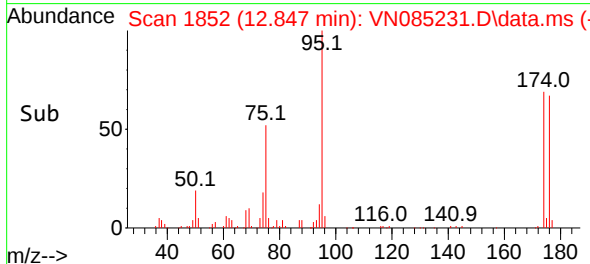
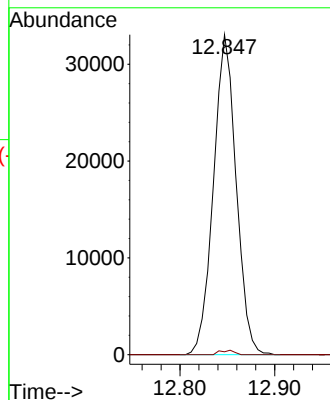
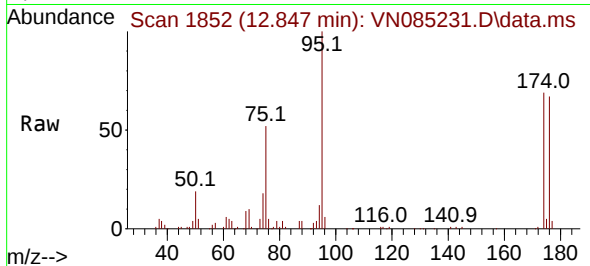




#76
1,2,3-Trichloropropane
Concen: 32.846 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

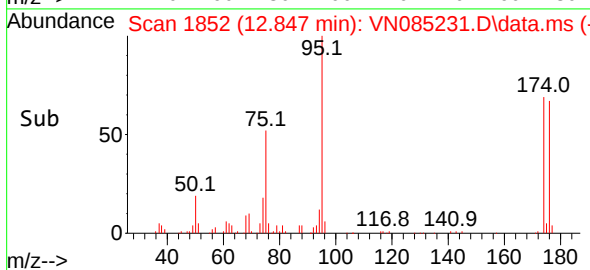
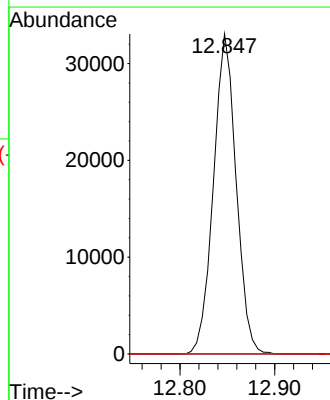
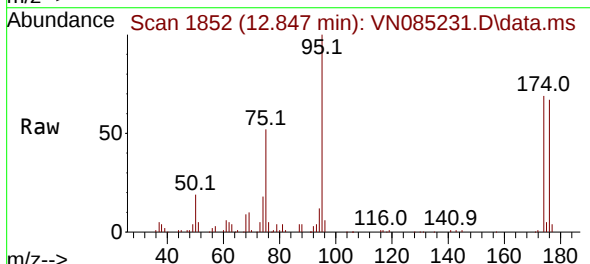
Instrument :
MSVOA_N
ClientSampleId :

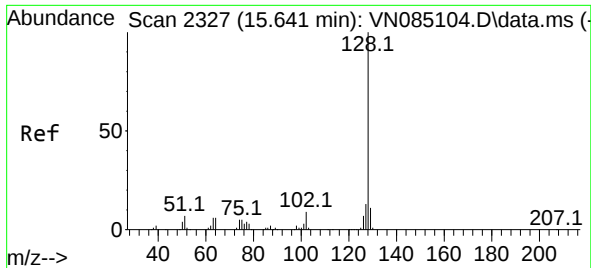
Tgt Ion: 75 Resp: 54965
Ion Ratio Lower Upper
75 100
77 0.9 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.511 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

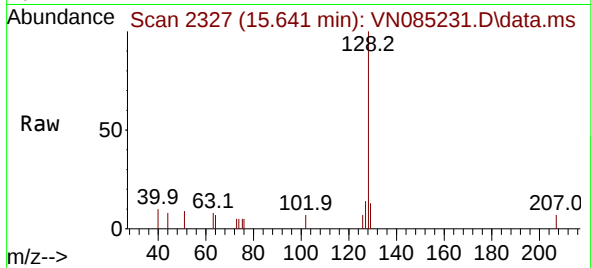
Tgt Ion: 75 Resp: 54965
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 1.371 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN085231.D
 Acq: 17 Dec 2024 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	7001
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	11.5	8.6	12.8

