

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084171.D
 Acq On : 25 Sep 2024 19:47
 Operator : JC\MD
 Sample : P4116-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:37:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

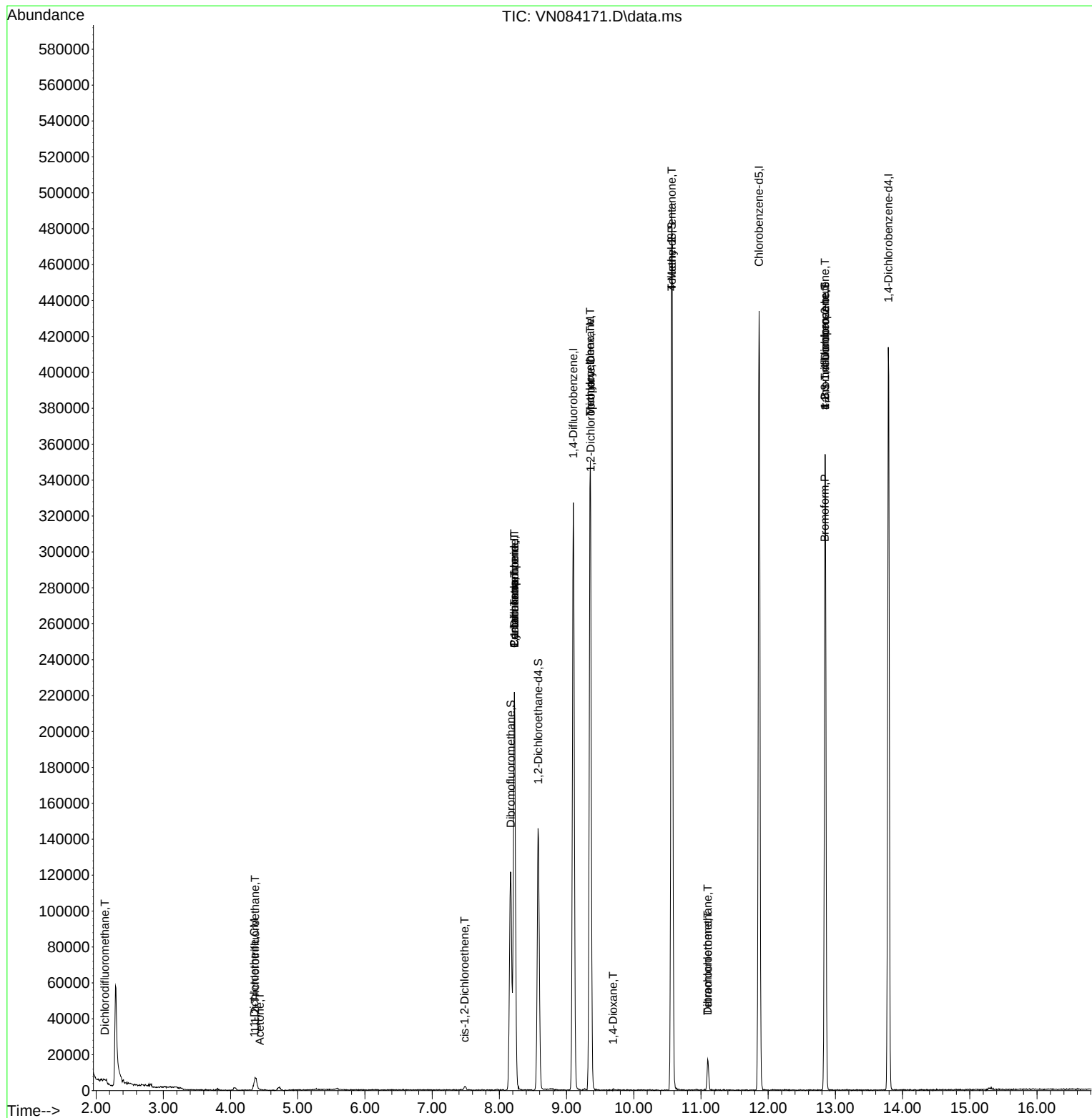
Internal Standards						
1) Pentafluorobenzene	8.224	168	147789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117827	52.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.740%	
35) Dibromofluoromethane	8.171	113	88929	51.551	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.565	98	332879	55.818	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.640%	
62) 4-Bromofluorobenzene	12.847	95	118681	48.235	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	979	0.570	ug/l	99
3) Chloromethane	2.359	50	728	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.365	101	5700	3.368	ug/l	94
12) 1,1-Dichloroethene	4.353	96	698	0.437	ug/l #	62
16) Acetone	4.436	43	676	0.757	ug/l #	45
27) cis-1,2-Dichloroethene	7.482	96	1287	0.633	ug/l	85
31) Cyclohexane	8.224	56	3734	1.159	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	13767	5.302	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16470	5.591	ug/l #	18
39) Methylcyclohexane	9.353	83	1715	0.580	ug/l #	1
44) Trichloroethene	9.353	130	126474	69.884	ug/l	97
45) 1,2-Dichloropropane	9.359	63	411	0.218	ug/l #	1
49) 1,4-Dioxane	9.694	88	187	5.610	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	1641	0.706	ug/l #	1
60) Dibromochloromethane	11.100	129	3768	1.887	ug/l #	10
64) Tetrachloroethene	11.100	164	3907	2.407	ug/l	91
71) Bromoform	12.841	173	682	0.538	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65799	30.520	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65799	79.934	ug/l #	9

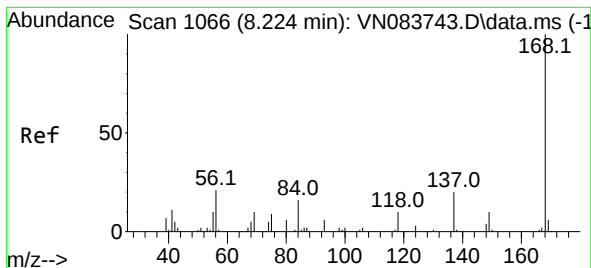
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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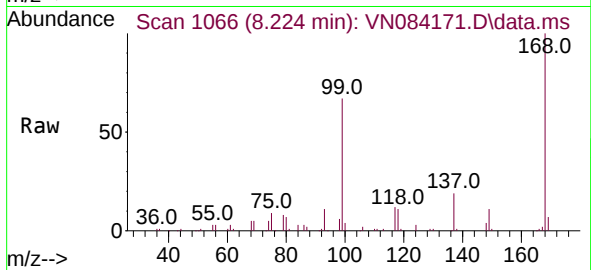
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



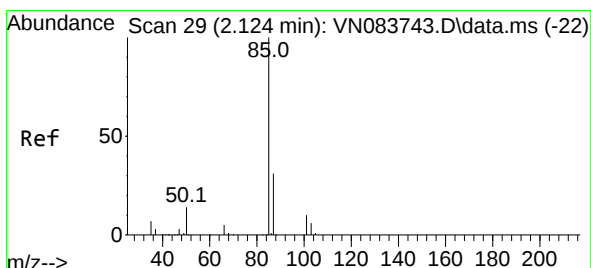
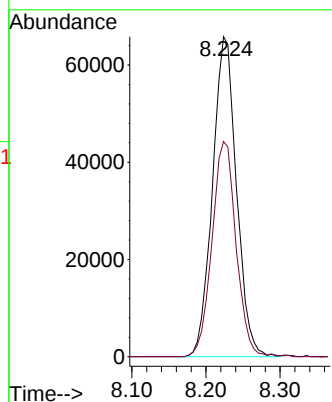
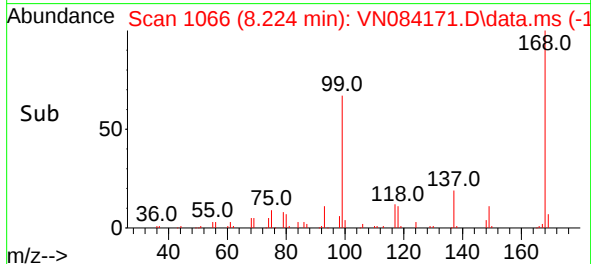


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

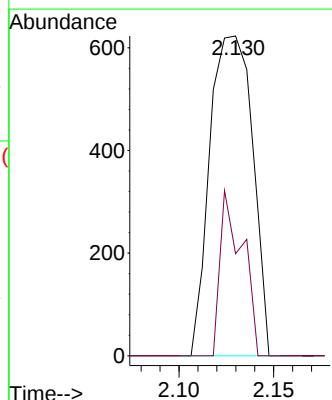
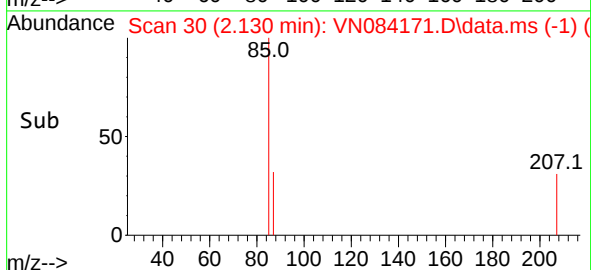
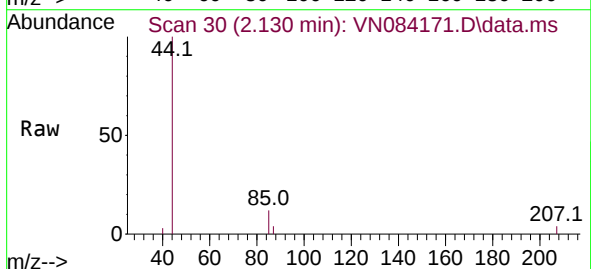


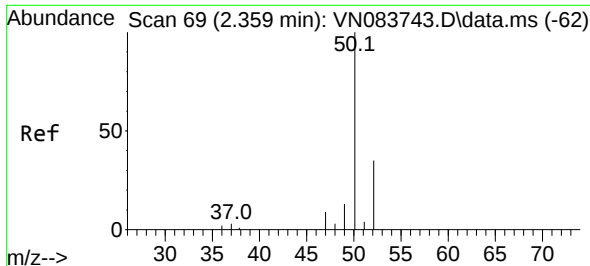
Tgt Ion:168 Resp: 147789
Ion Ratio Lower Upper
168 100
99 67.2 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.570 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Tgt Ion: 85 Resp: 979
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.0

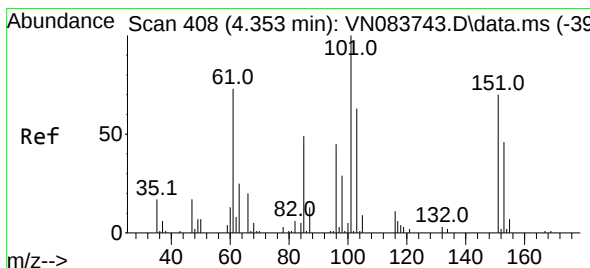
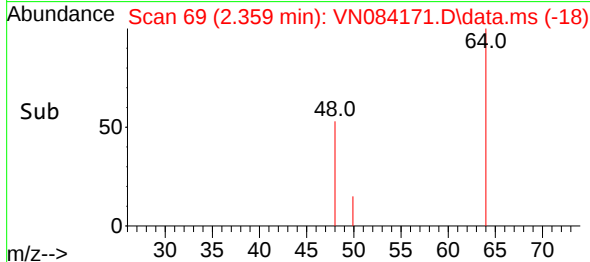
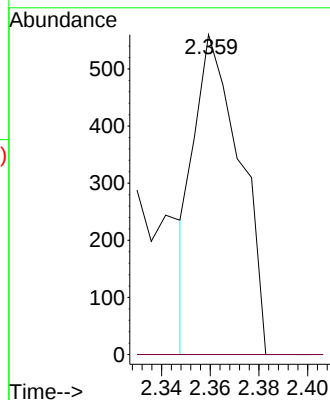
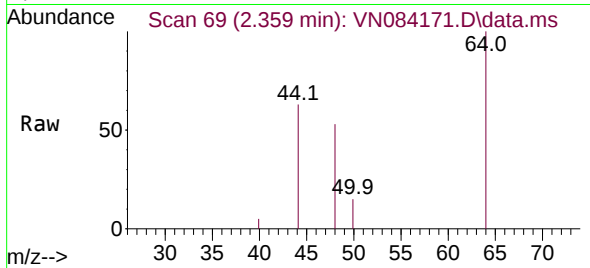




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

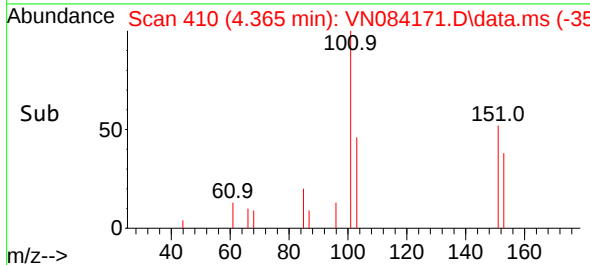
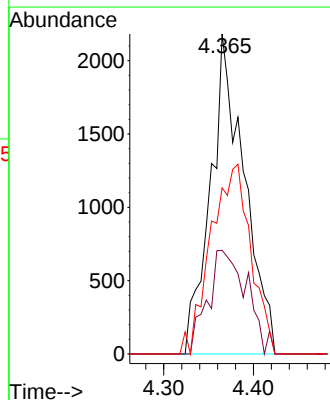
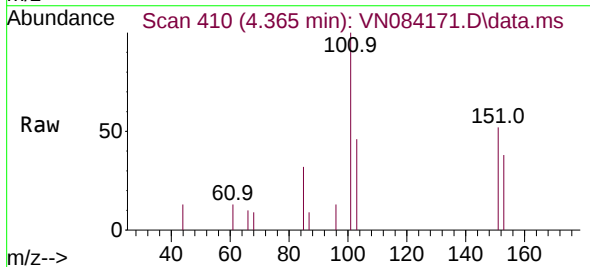
Instrument :
MSVOA_N
ClientSampleId :

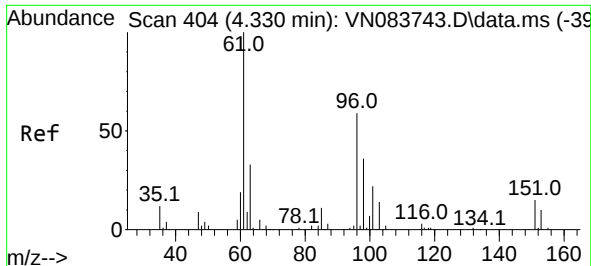
Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.368 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

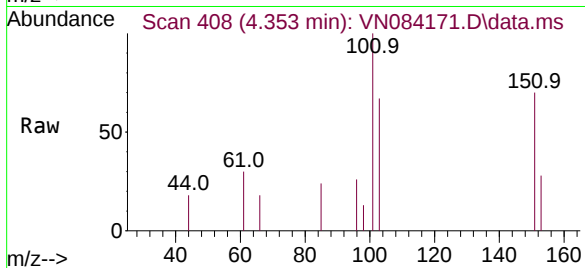
Tgt Ion: 101 Resp: 5700
Ion Ratio Lower Upper
101 100
85 37.5 36.2 54.4
151 69.9 57.7 86.5



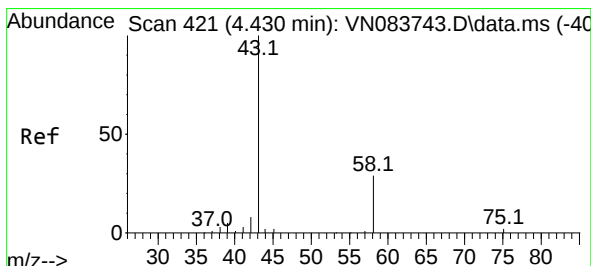
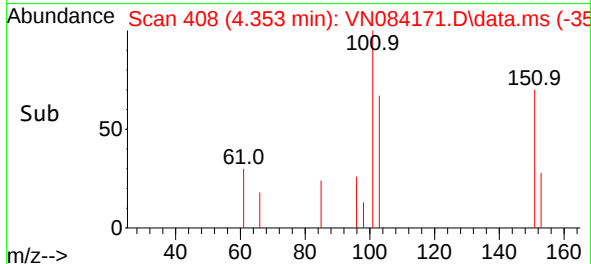
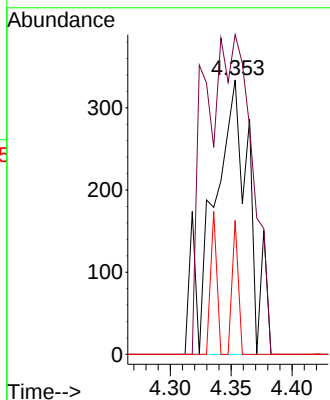


#12
1,1-Dichloroethene
Concen: 0.437 ug/l
RT: 4.353 min Scan# 404
Delta R.T. 0.023 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

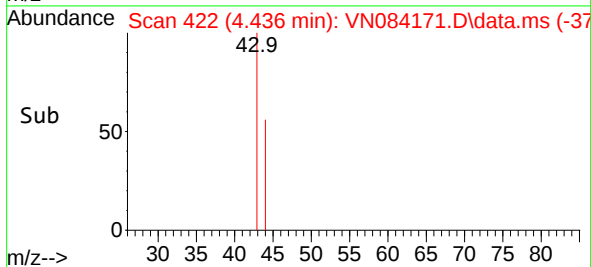
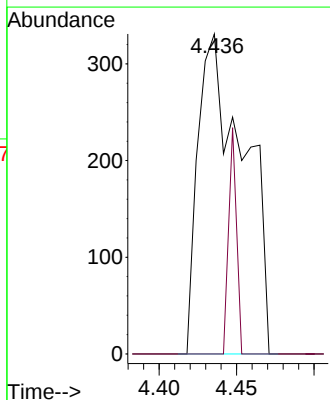
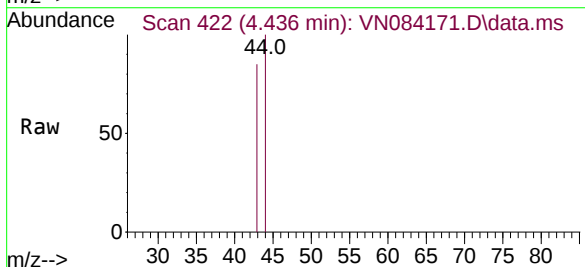


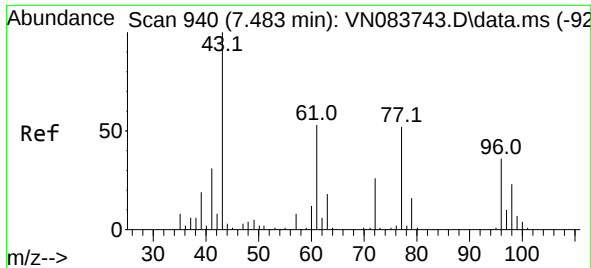
Tgt Ion: 96 Resp: 698
Ion Ratio Lower Upper
96 100
61 116.5 143.4 215.0#
98 48.8 52.7 79.1#



#16
Acetone
Concen: 0.757 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

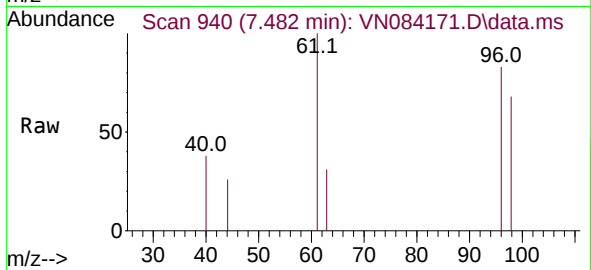
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#





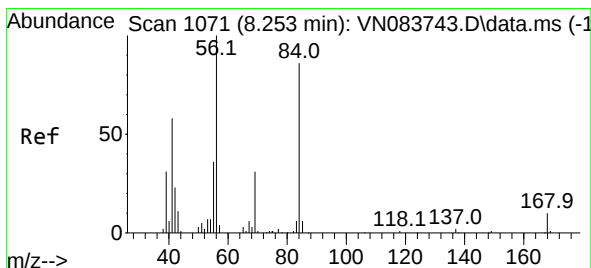
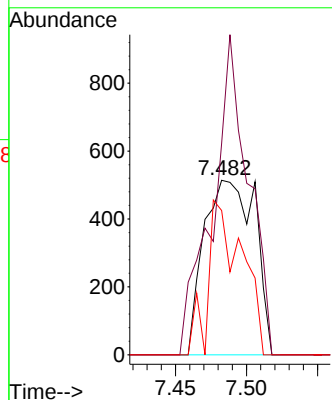
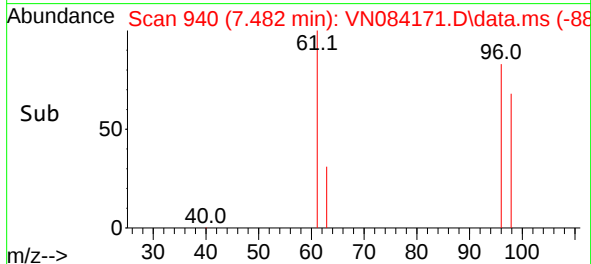
#27
 cis-1,2-Dichloroethene
 Concen: 0.633 ug/l
 RT: 7.482 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN084171.D
 Acq: 25 Sep 2024 19:47

Instrument :
 MSVOA_N
 ClientSampleId :

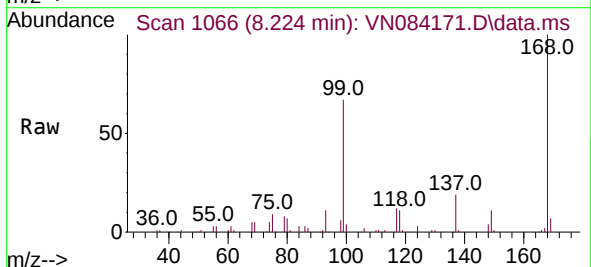


Tgt Ion: 96 Resp: 1287

Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	306.2
98	59.0	0.0	128.6

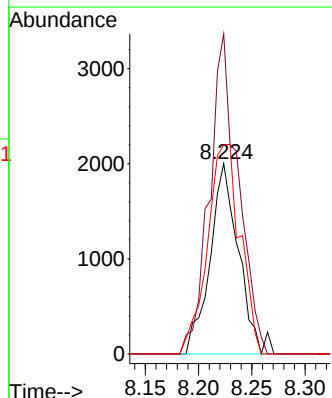
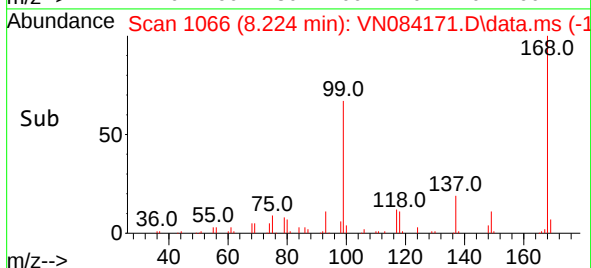


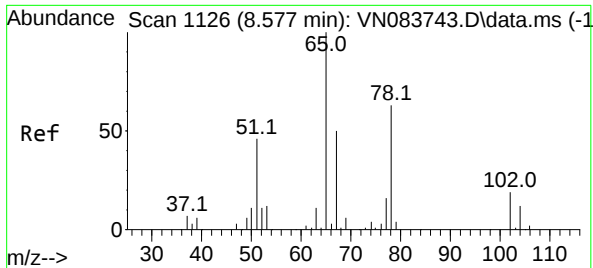
#31
 Cyclohexane
 Concen: 1.159 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.030 min
 Lab File: VN084171.D
 Acq: 25 Sep 2024 19:47



Tgt Ion: 56 Resp: 3734

Ion	Ratio	Lower	Upper
56	100		
69	168.0	26.9	40.3#
84	109.7	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.874 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

Instrument :

MSVOA_N

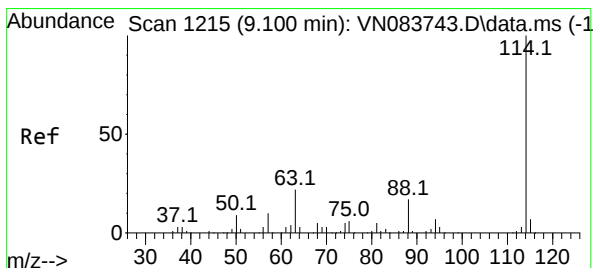
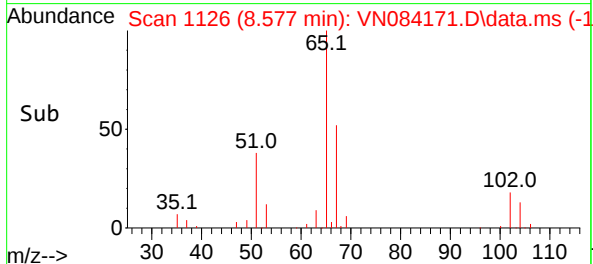
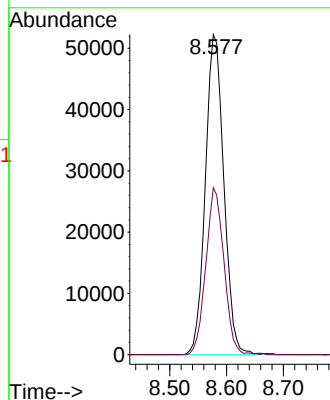
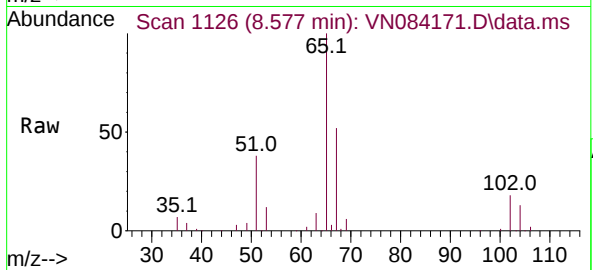
ClientSampleId :

Tgt Ion: 65 Resp: 117827

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

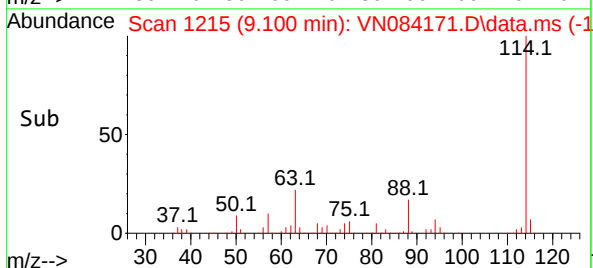
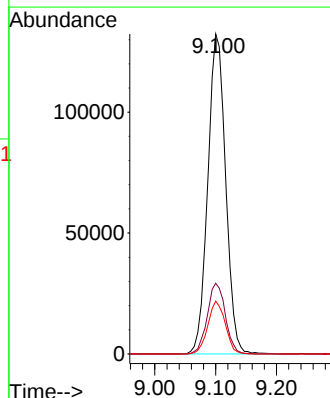
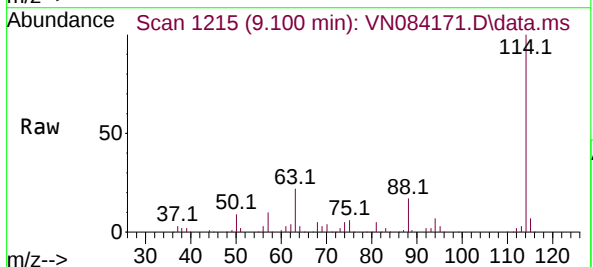
Tgt Ion: 114 Resp: 269463

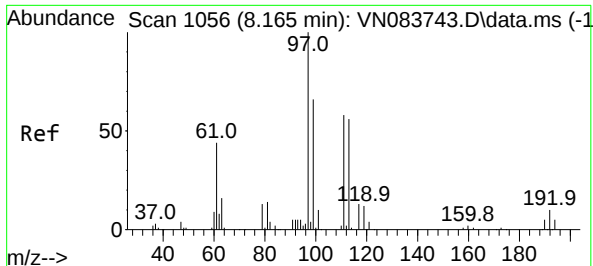
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.551 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

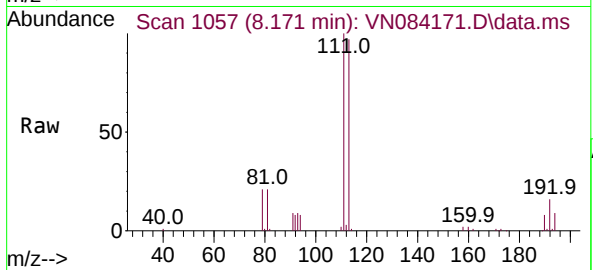
Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :



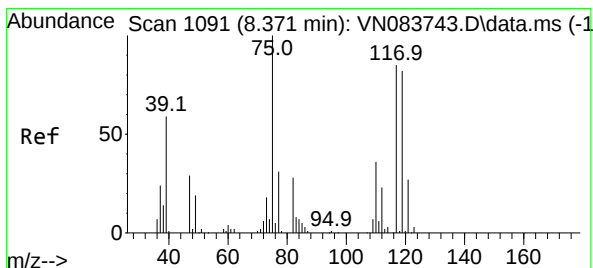
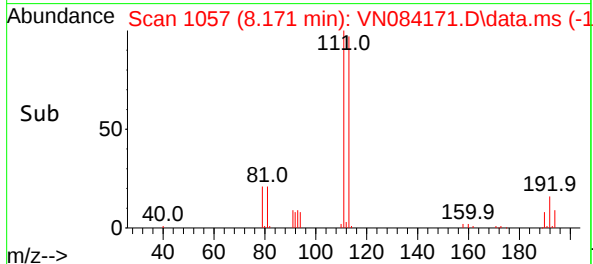
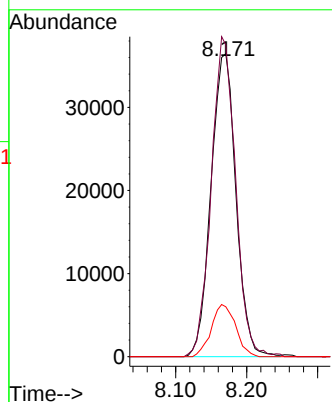
Tgt Ion:113 Resp: 88929

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 16.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.302 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

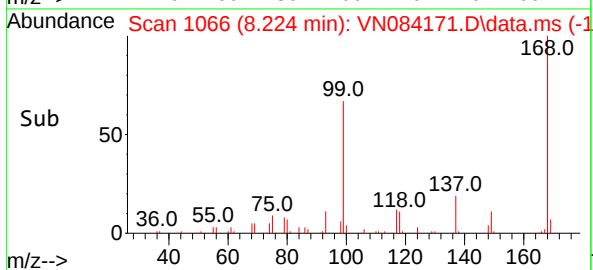
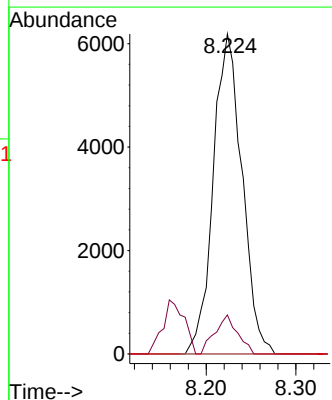
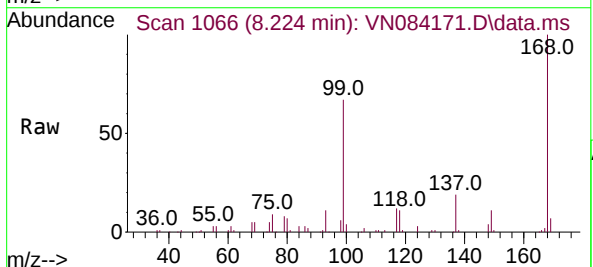
Tgt Ion: 75 Resp: 13767

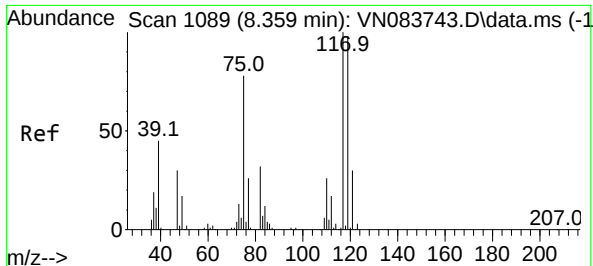
Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

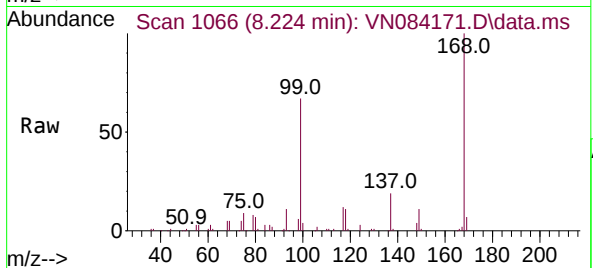
77 0.0 25.2 37.8#



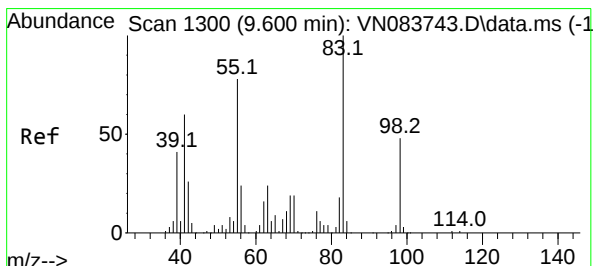
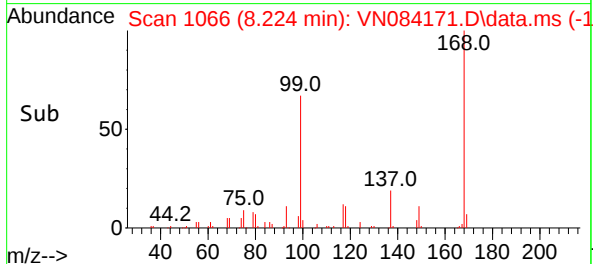
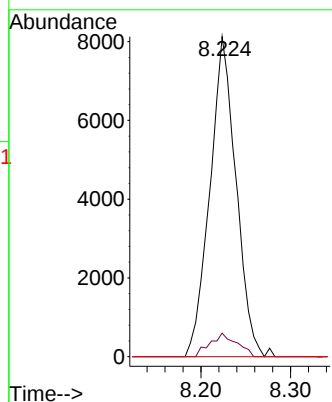


#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

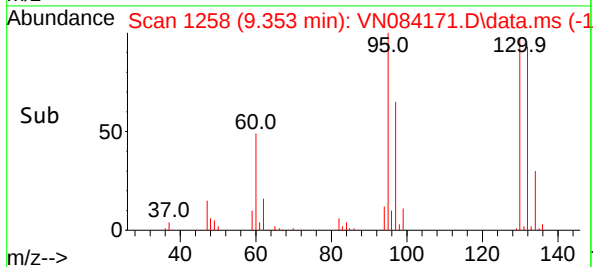
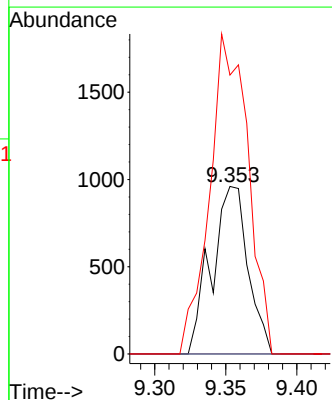
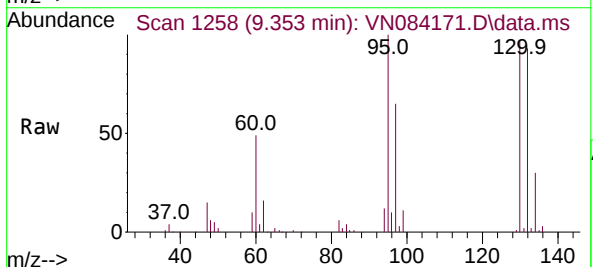


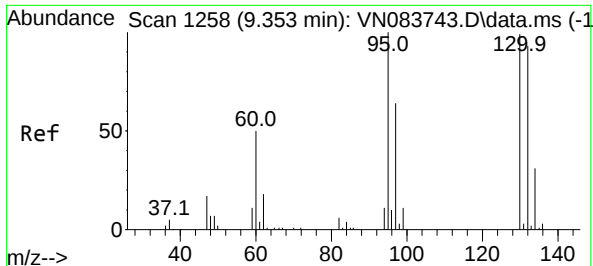
Tgt Ion:117 Resp: 16470
Ion Ratio Lower Upper
117 100
119 7.3 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.580 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Tgt Ion: 83 Resp: 1715
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 166.5 37.6 56.4#

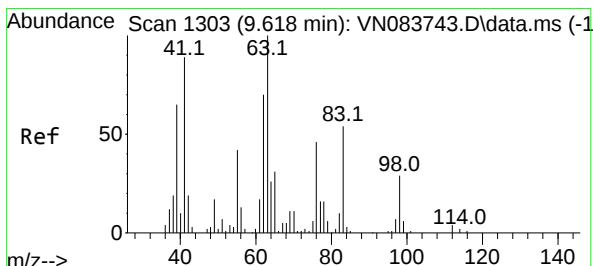
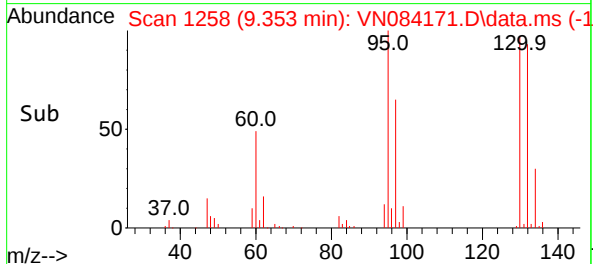
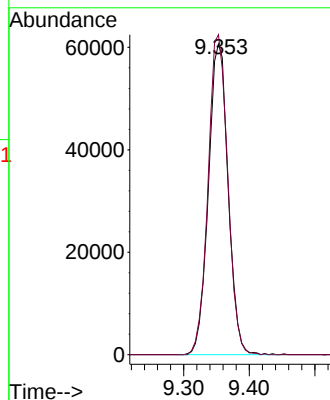
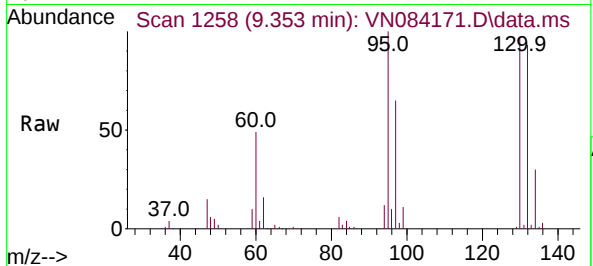




#44
Trichloroethene
Concen: 69.884 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

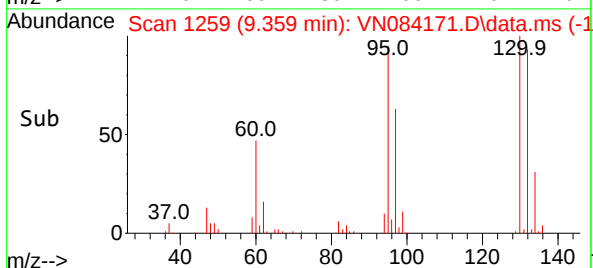
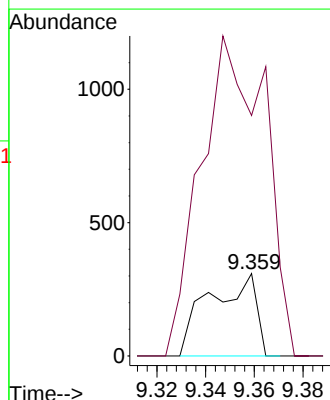
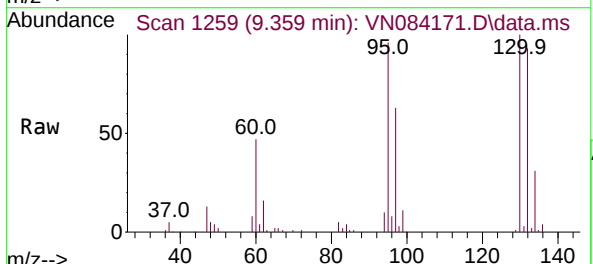
Instrument :
MSVOA_N
ClientSampleId :

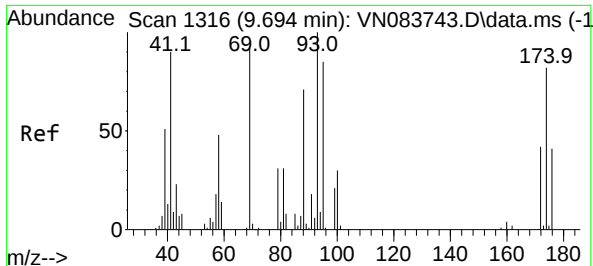
Tgt Ion:130 Resp: 126474
Ion Ratio Lower Upper
130 100
95 103.0 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.218 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.259 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Tgt Ion: 63 Resp: 411
Ion Ratio Lower Upper
63 100
65 216.8 25.9 38.9#





#49

1,4-Dioxane

Concen: 5.610 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

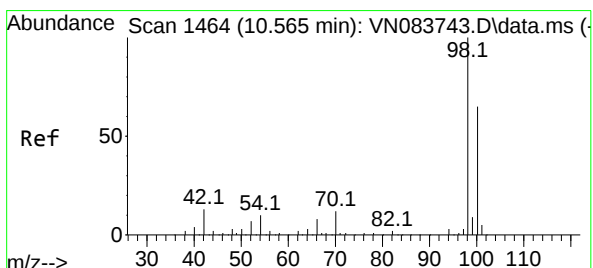
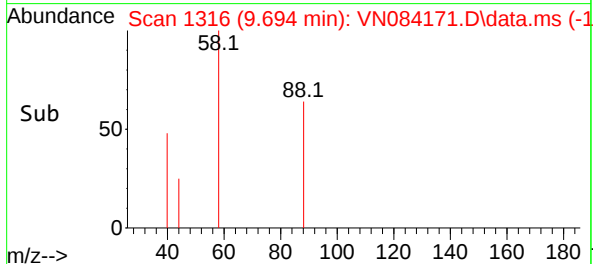
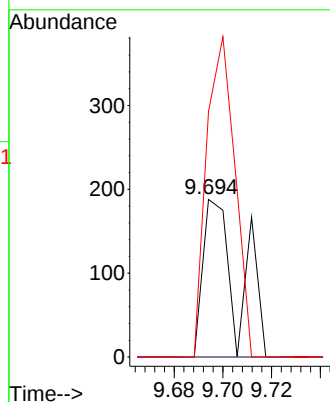
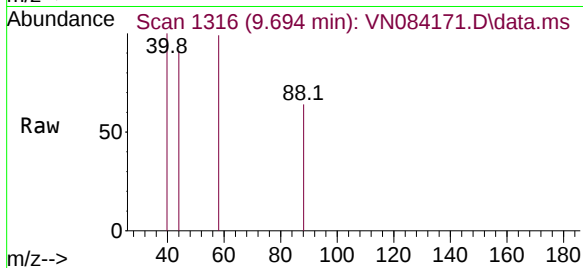
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 164.7 57.1 85.7#



#50

Toluene-d8

Concen: 55.818 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084171.D

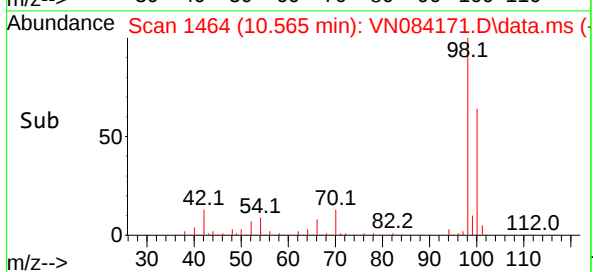
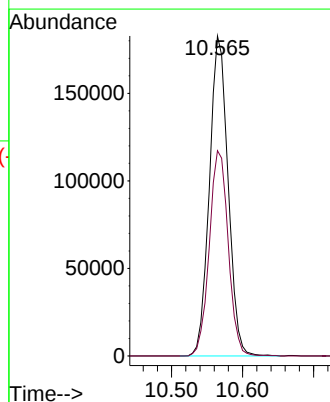
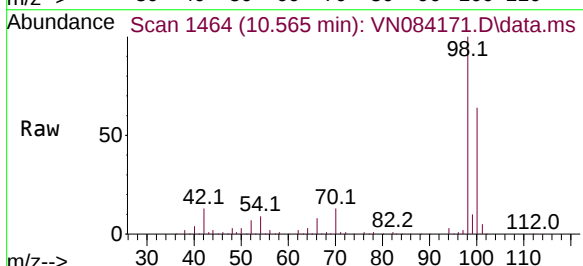
Acq: 25 Sep 2024 19:47

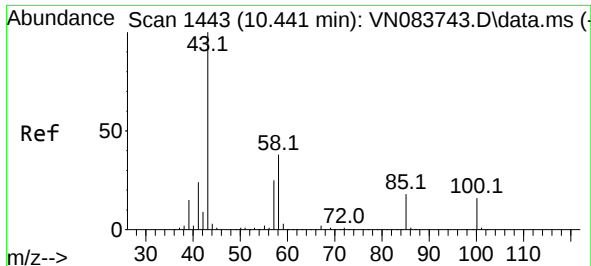
Tgt Ion: 98 Resp: 332879

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

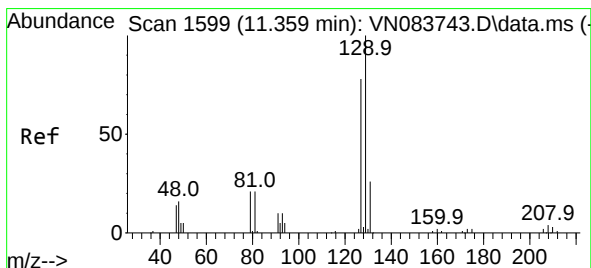
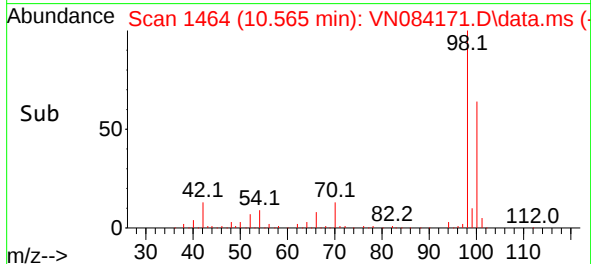
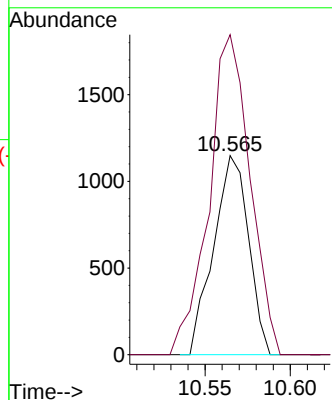
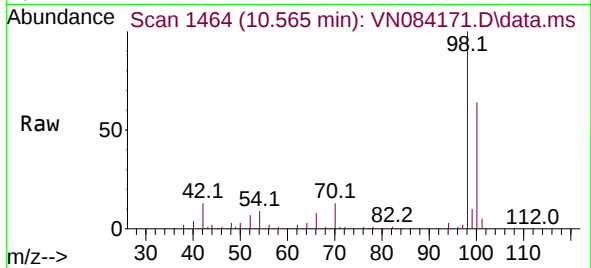




#51
4-Methyl-2-Pentanone
Concen: 0.706 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

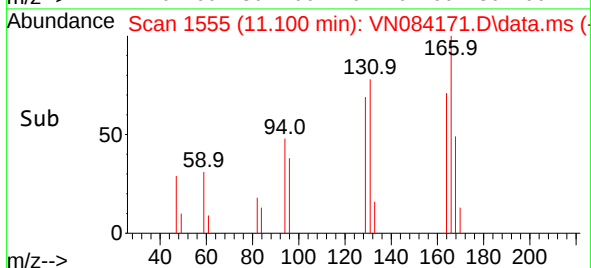
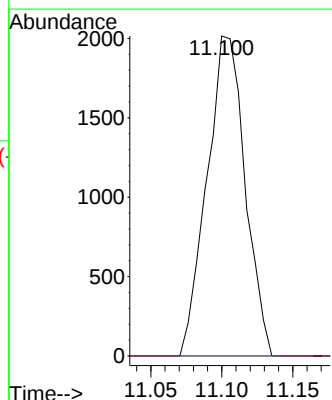
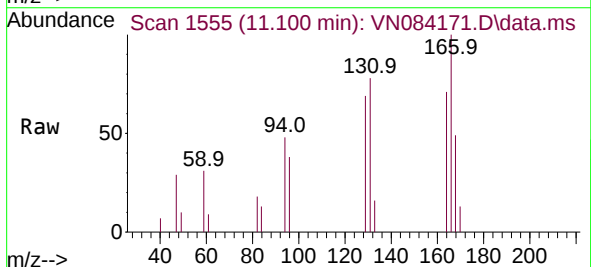
Instrument :
MSVOA_N
ClientSampleId :

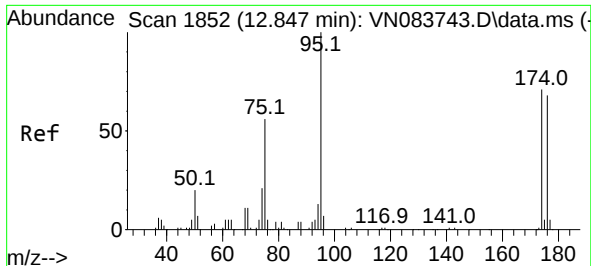
Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 188.7 31.6 47.4#



#60
Dibromochloromethane
Concen: 1.887 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Tgt Ion: 129 Resp: 3768
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 48.235 ug/l

RT: 12.847 min Scan# 118681

Delta R.T. -0.000 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

Instrument :

MSVOA_N

ClientSampleId :

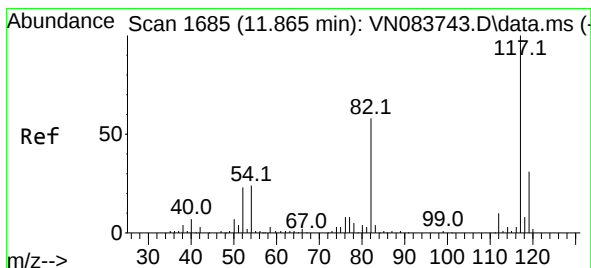
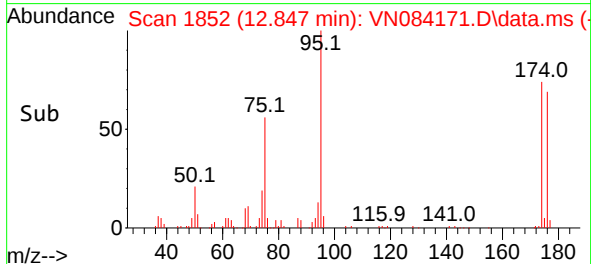
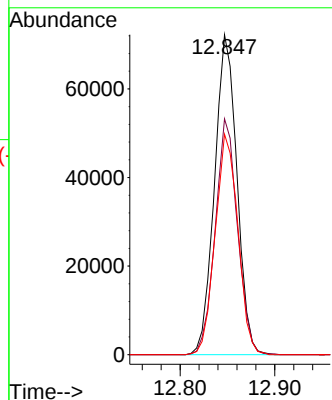
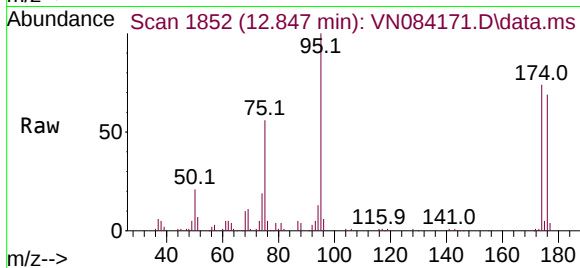
Tgt Ion: 95 Resp: 118681

Ion Ratio Lower Upper

95 100

174 73.2 0.0 139.8

176 70.0 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084171.D

Acq: 25 Sep 2024 19:47

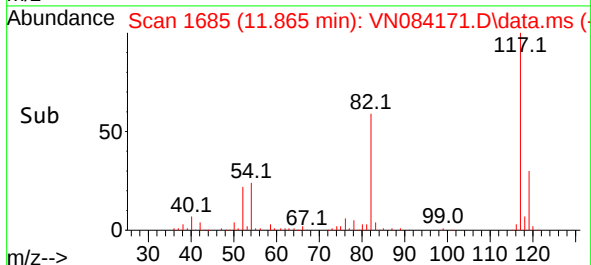
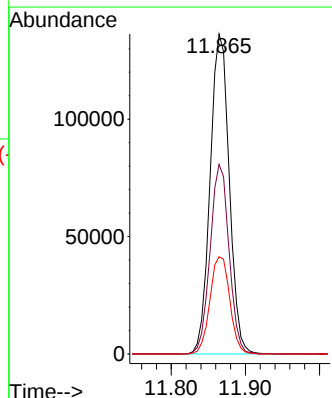
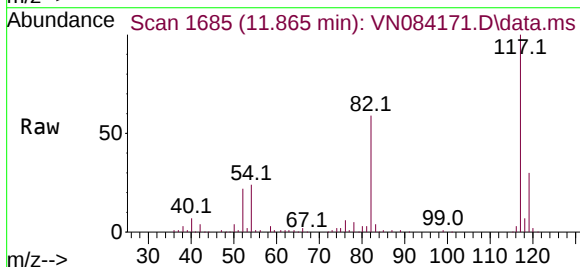
Tgt Ion: 117 Resp: 244068

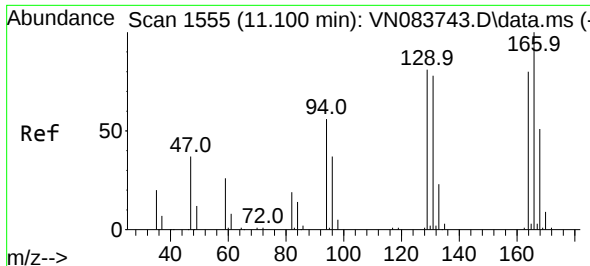
Ion Ratio Lower Upper

117 100

82 59.2 47.4 71.0

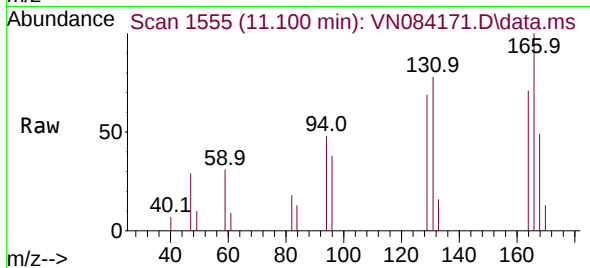
119 30.4 26.3 39.5



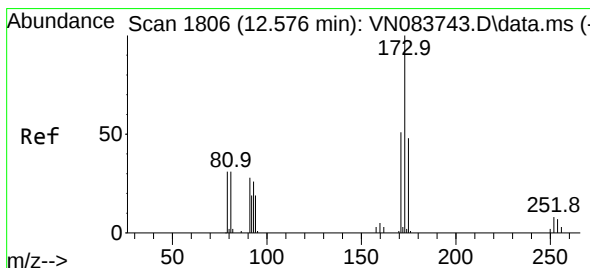
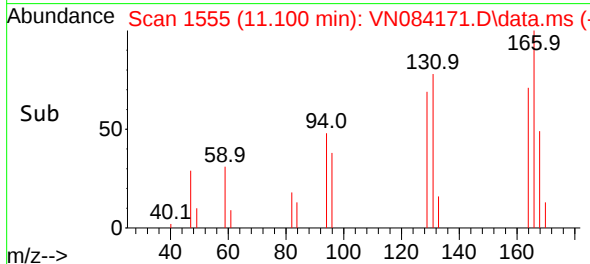
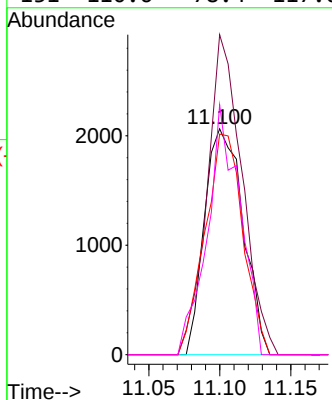


#64
Tetrachloroethene
Concen: 2.407 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :

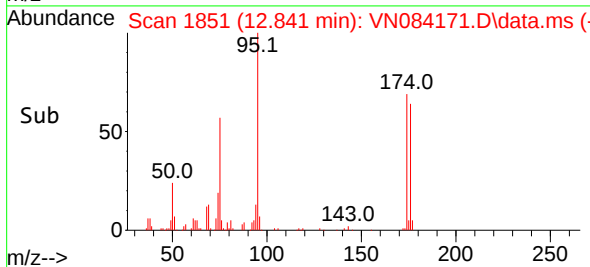
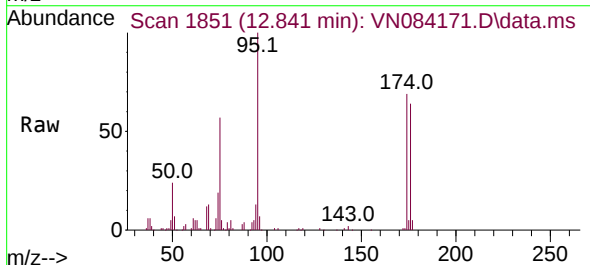
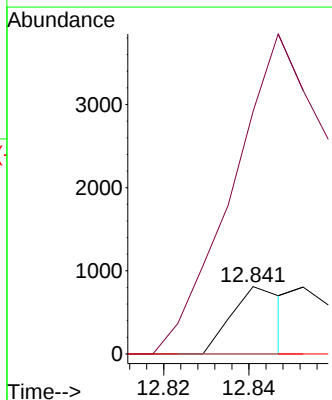


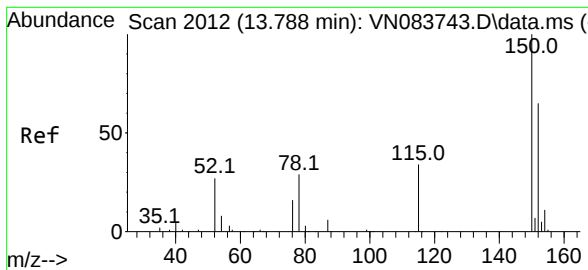
Tgt Ion:164 Resp: 3907
Ion Ratio Lower Upper
164 100
166 141.6 103.7 155.5
129 97.6 79.9 119.9
131 110.6 78.4 117.6



#71
Bromoform
Concen: 0.538 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

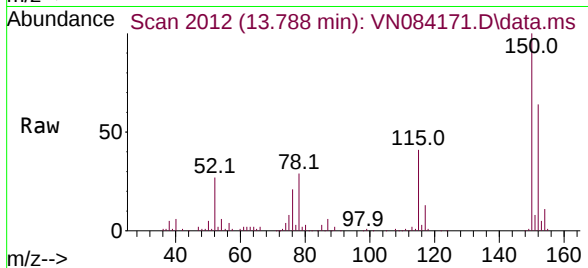
Tgt Ion:173 Resp: 682
Ion Ratio Lower Upper
173 100
175 680.6 24.1 72.2#
254 0.0 0.0 0.0



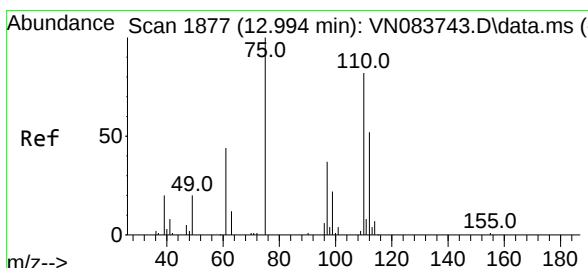
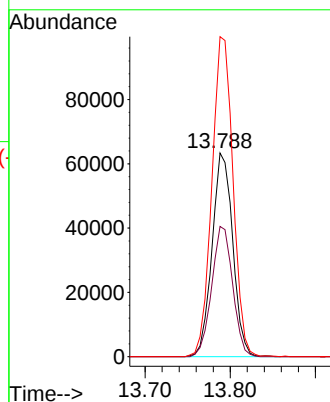
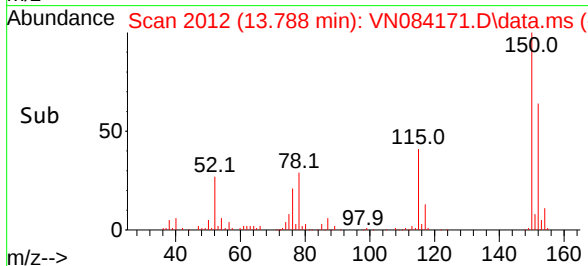


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN084171.D
 Acq: 25 Sep 2024 19:47

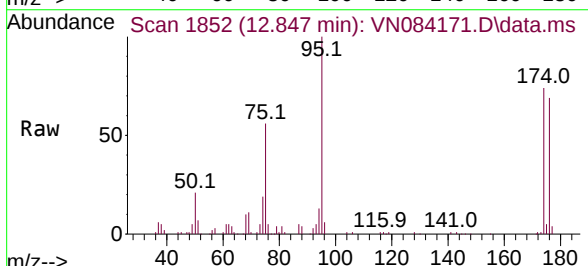
Instrument :
 MSVOA_N
 ClientSampleId :



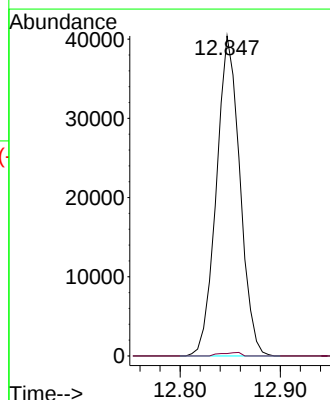
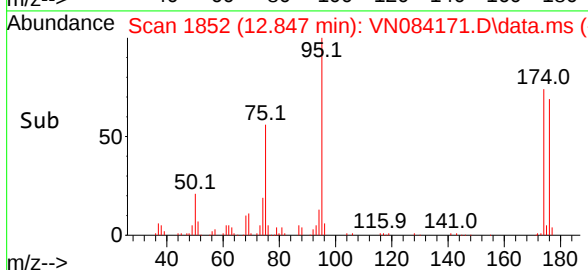
Tgt Ion:152 Resp: 106845
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.2 96.6
 150 160.2 0.0 348.6

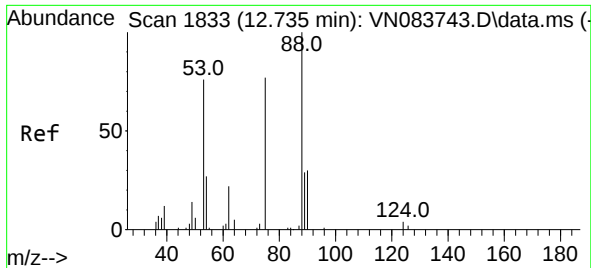


#76
 1,2,3-Trichloropropane
 Concen: 30.520 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084171.D
 Acq: 25 Sep 2024 19:47



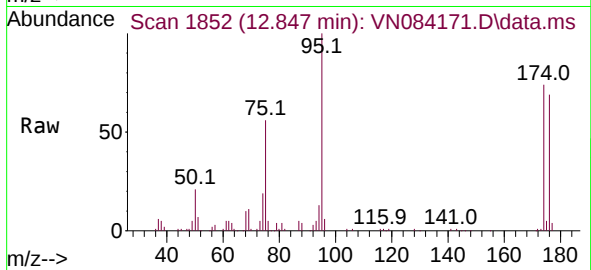
Tgt Ion: 75 Resp: 65799
 Ion Ratio Lower Upper
 75 100
 77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 79.934 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084171.D
Acq: 25 Sep 2024 19:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 65799
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

