

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084186.D
 Acq On : 26 Sep 2024 19:04
 Operator : JC\MD
 Sample : P4165-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:13:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

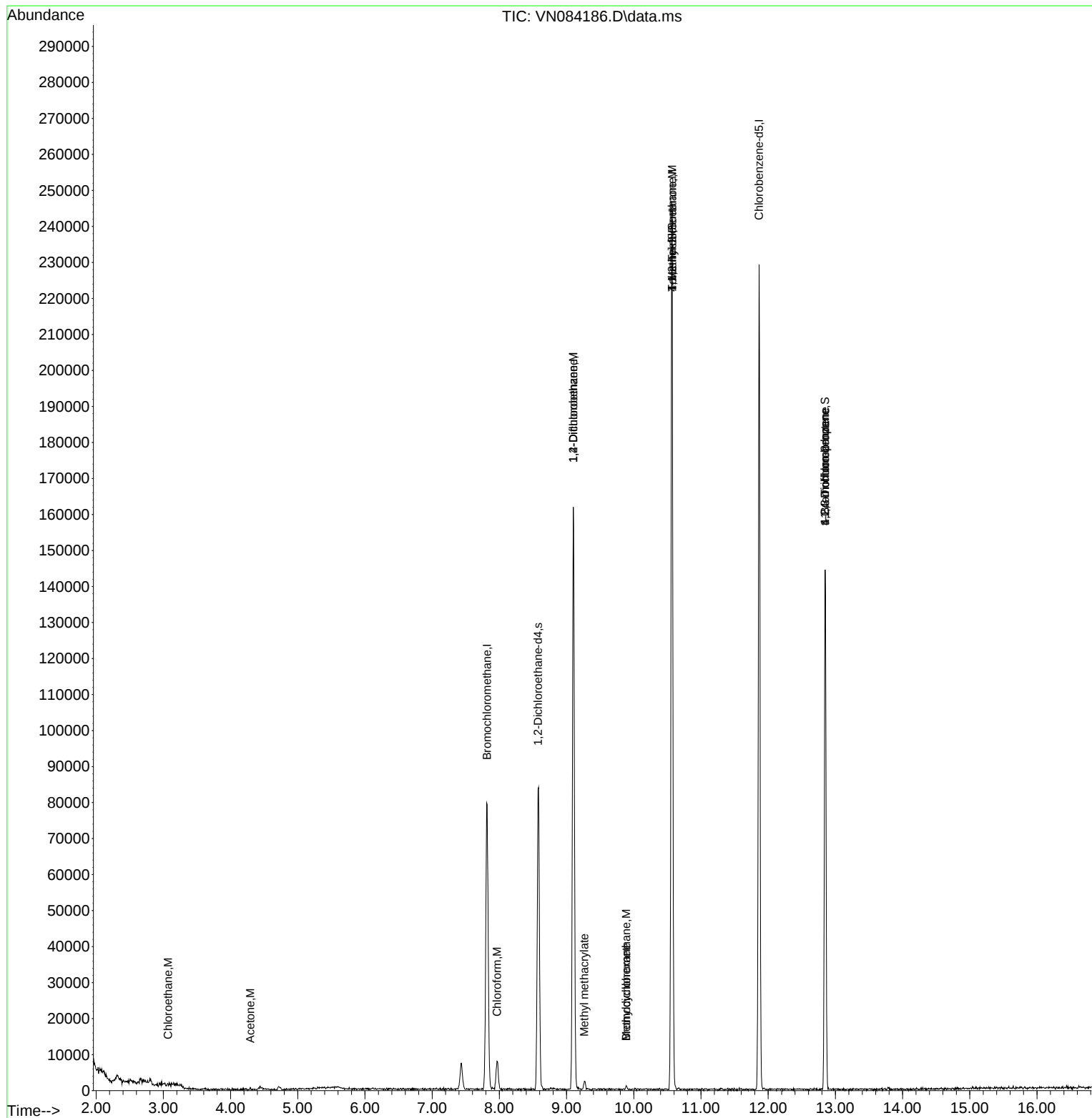
Internal Standards						
1) Bromochloromethane	7.818	128	27088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	132096	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.864	117	123642	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	69967	28.258	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.200%		
60) 4-Bromofluorobenzene	12.847	95	50965	23.917	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	79.733%		
63) Toluene-d8	10.570	98	168686	29.464	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.200%		
Target Compounds						Qvalue
6) Chloroethane	3.071	64	293	0.226	ug/l #	41
15) Acetone	4.294	58	216	0.792	ug/l #	1
25) Chloroform	7.965	83	8252	2.287	ug/l	88
36) 1,2-Dichloroethane	9.100	62	4955	2.097	ug/l #	72
38) Methylcyclohexane	9.888	83	635	0.253	ug/l #	19
41) Bromodichloromethane	9.888	83	803	0.341	ug/l #	80
46) Methyl methacrylate	9.265	41	537	0.323	ug/l #	25
50) 1,1,2-Trichloroethane	10.570	97	5641	4.007	ug/l #	1
58) 4-Methyl-2-Pentanone	10.570	43	833	0.425	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27379	15.056	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27379	35.619	ug/l #	12

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

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MSVOA_N
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Quant Time: Sep 27 01:13:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

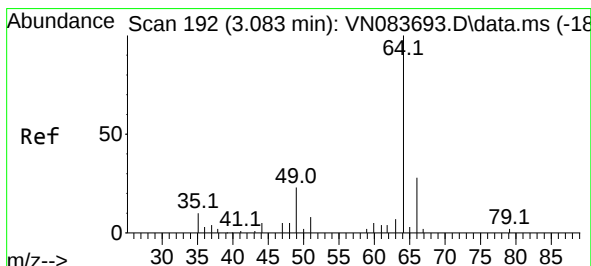
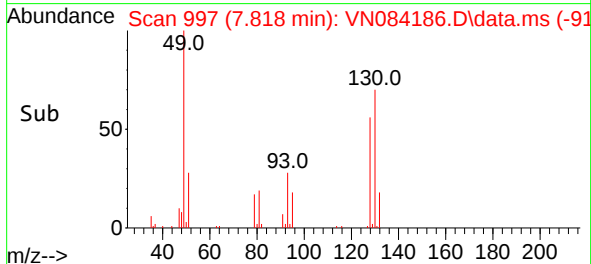
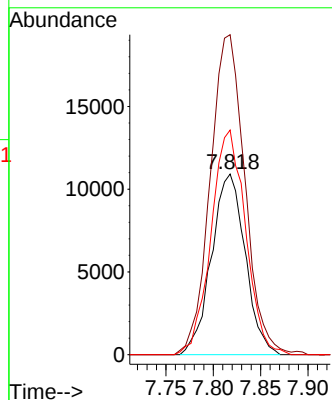
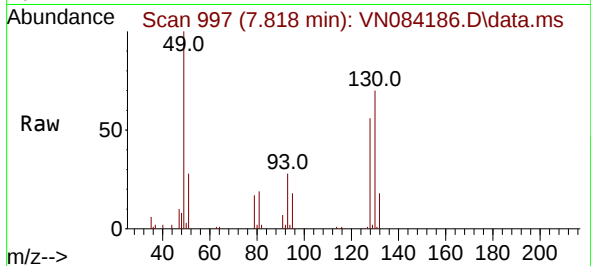




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

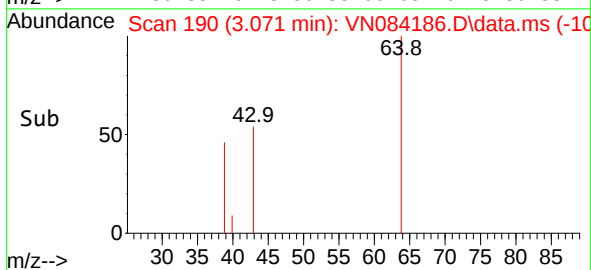
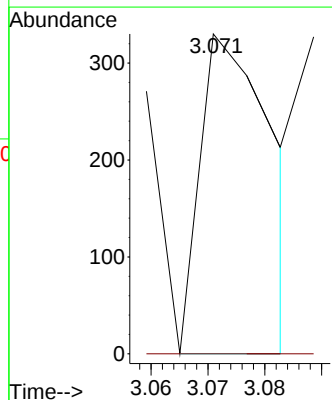
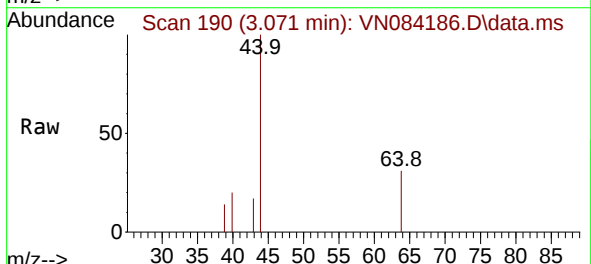
Instrument :
MSVOA_N
ClientSampleId :

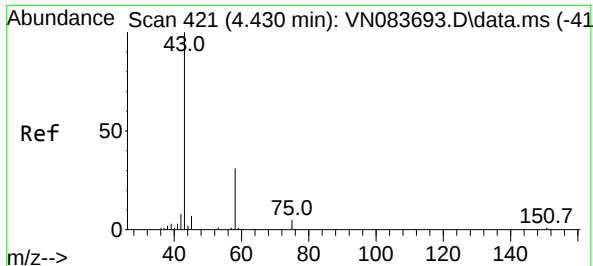
Tgt Ion:128 Resp: 27088
Ion Ratio Lower Upper
128 100
49 181.3 0.0 403.7
130 126.9 0.0 323.3



#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.012 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

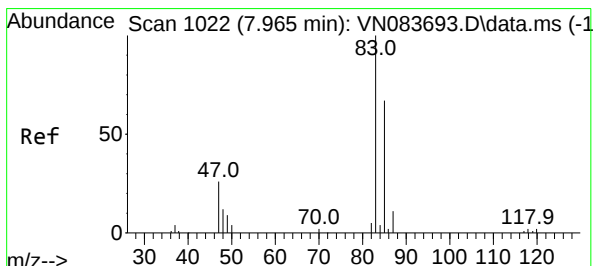
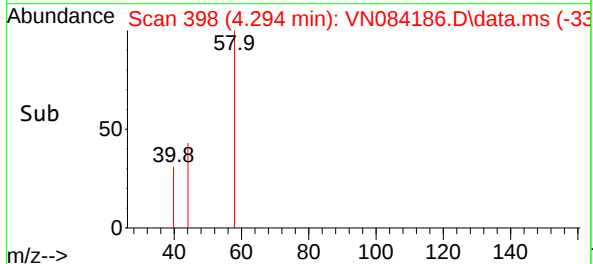
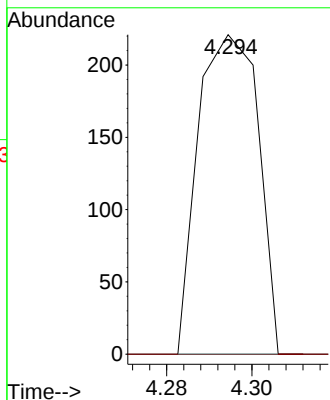
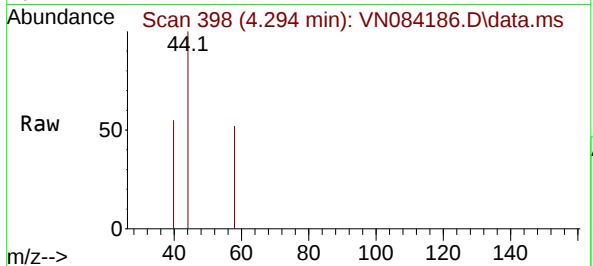




#15
Acetone
Concen: 0.792 ug/l
RT: 4.294 min Scan# 398
Delta R.T. -0.135 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

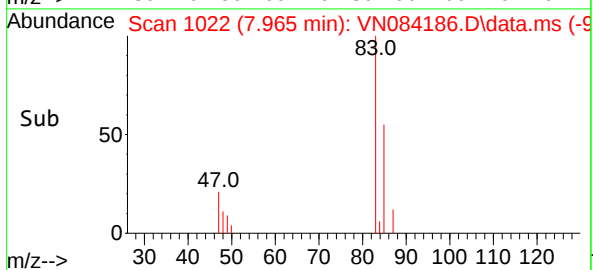
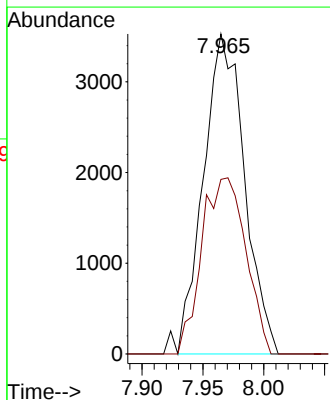
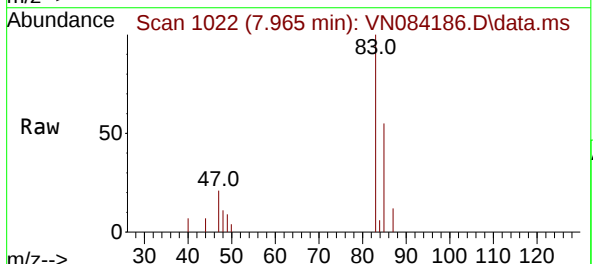
Instrument :
MSVOA_N
ClientSampleId :

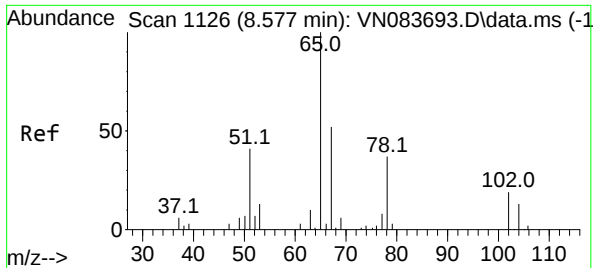
Tgt Ion: 58 Resp: 216
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#



#25
Chloroform
Concen: 2.287 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 83 Resp: 8252
Ion Ratio Lower Upper
83 100
85 54.6 50.9 76.3

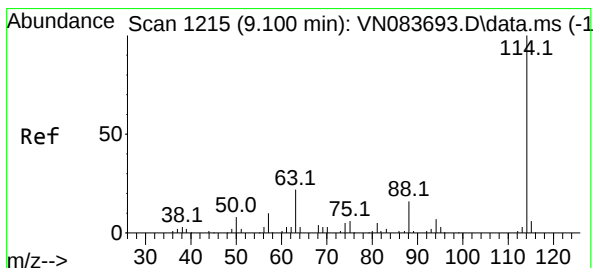
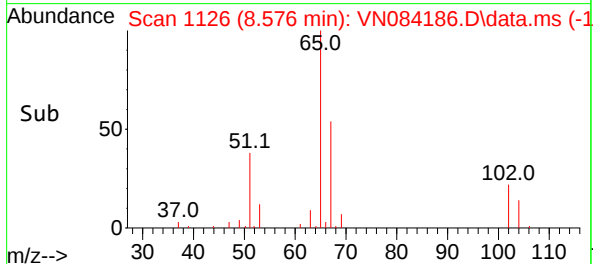
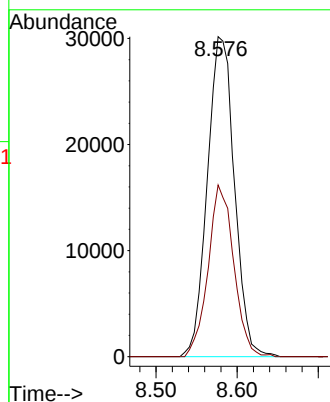
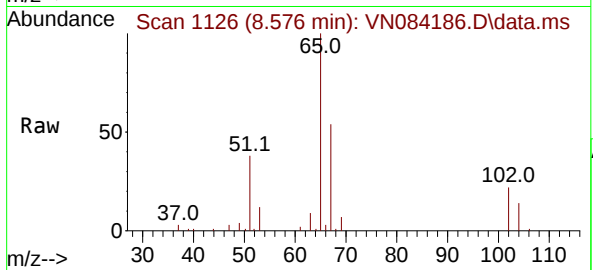




#27
 1,2-Dichloroethane-d4
 Concen: 28.258 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084186.D
 Acq: 26 Sep 2024 19:04

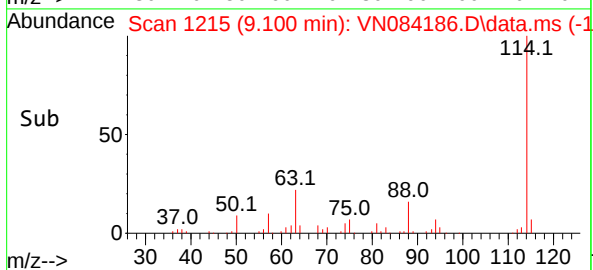
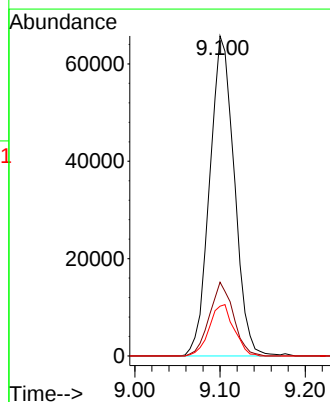
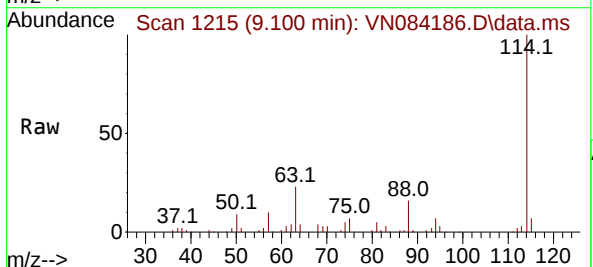
Instrument :
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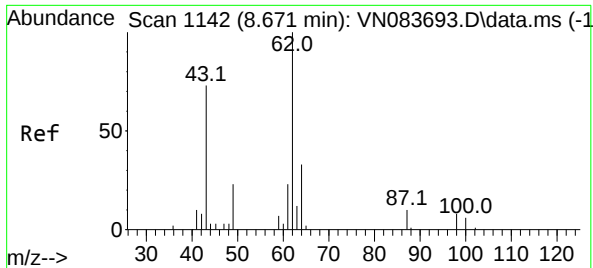
Tgt Ion: 65 Resp: 69967
 Ion Ratio Lower Upper
 65 100
 67 50.7 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084186.D
 Acq: 26 Sep 2024 19:04

Tgt Ion: 114 Resp: 132096
 Ion Ratio Lower Upper
 114 100
 63 22.4 15.9 23.9
 88 16.0 12.7 19.1

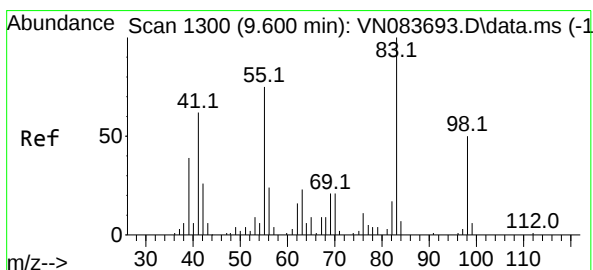
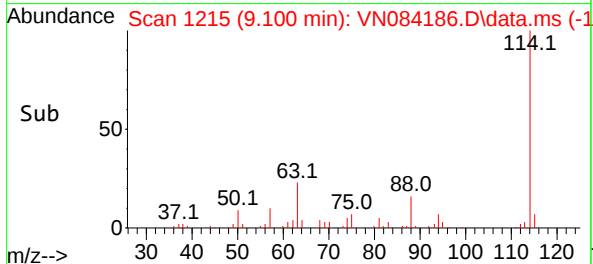
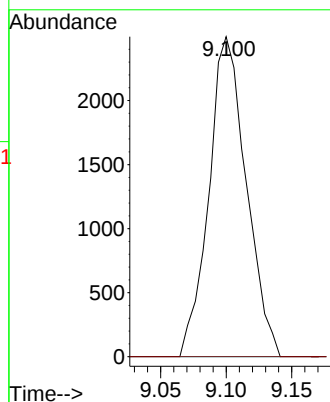
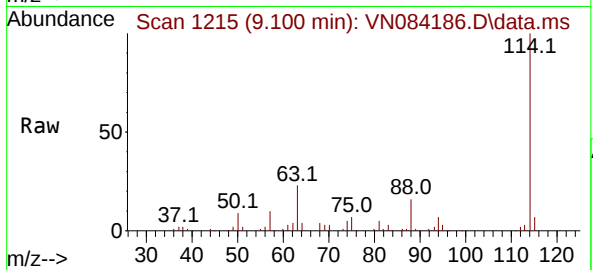




#36
1,2-Dichloroethane
Concen: 2.097 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

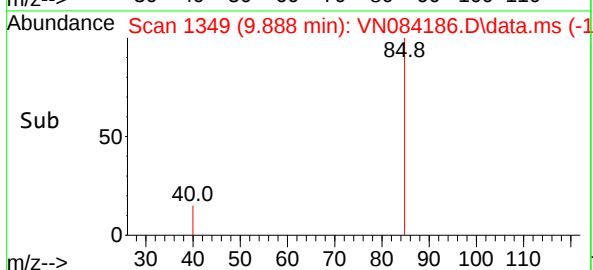
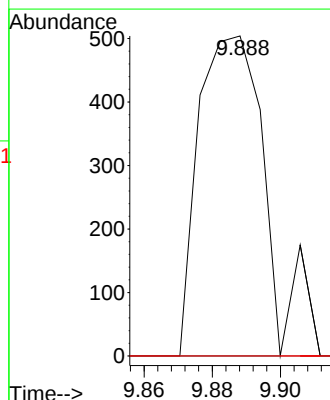
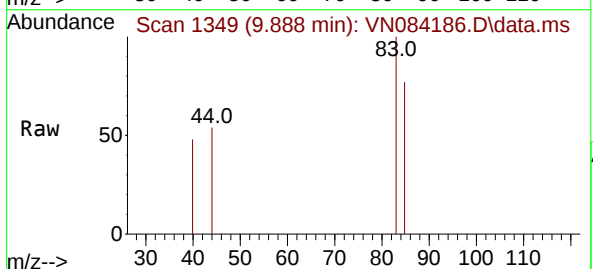
Instrument :
MSVOA_N
ClientSampleId :

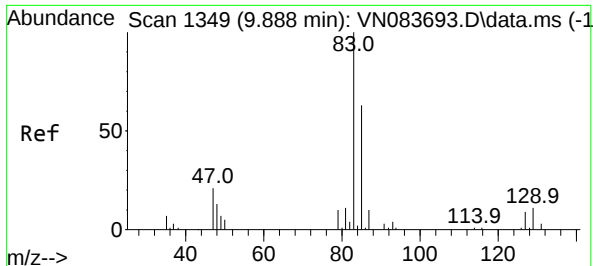
Tgt Ion: 62 Resp: 4955
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#38
Methylcyclohexane
Concen: 0.253 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

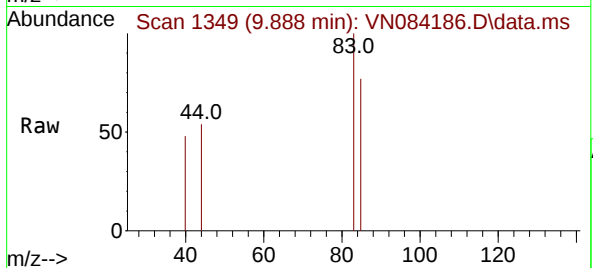
Tgt Ion: 83 Resp: 635
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



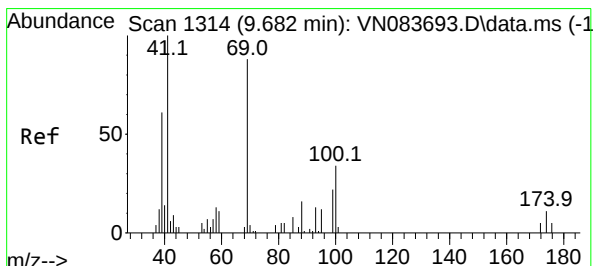
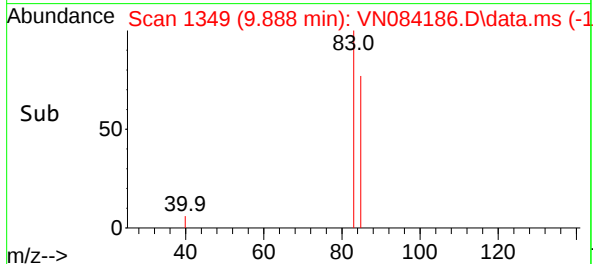
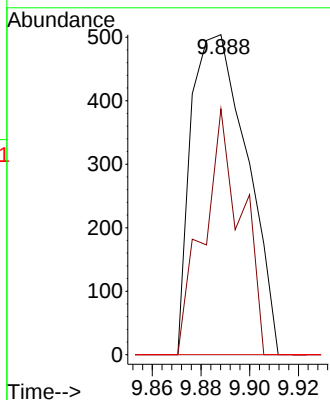


#41
Bromodichloromethane
Concen: 0.341 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :

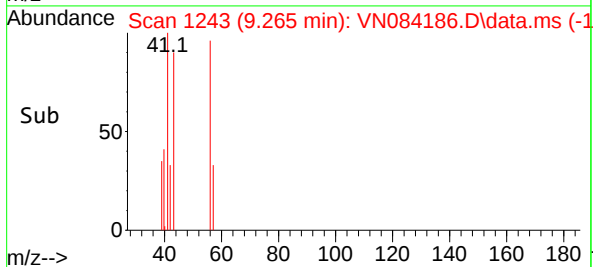
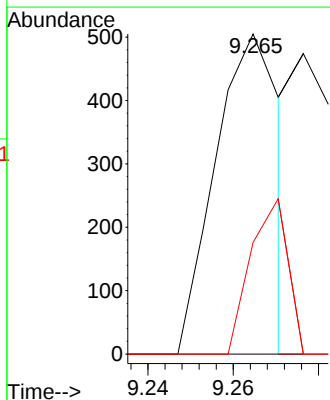
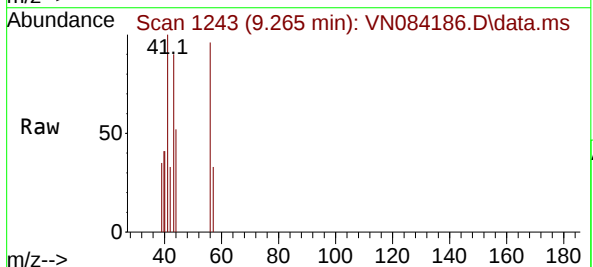


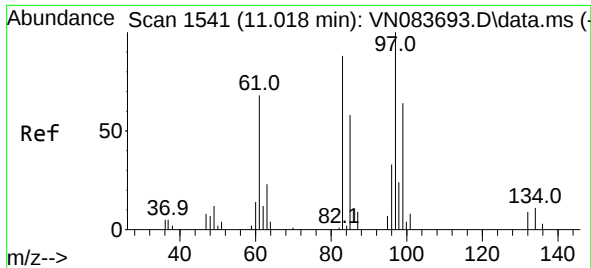
Tgt Ion: 83 Resp: 803
Ion Ratio Lower Upper
83 100
85 76.8 49.4 74.2#
127 0.0 7.3 10.9#



#46
Methyl methacrylate
Concen: 0.323 ug/l
RT: 9.265 min Scan# 1243
Delta R.T. -0.418 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 41 Resp: 537
Ion Ratio Lower Upper
41 100
69 0.0 51.1 153.3#
39 34.9 25.8 77.3

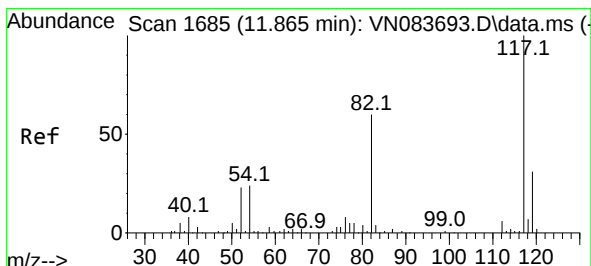
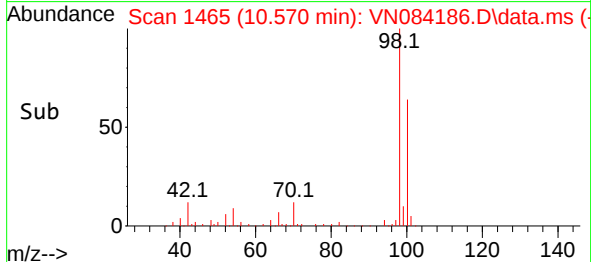
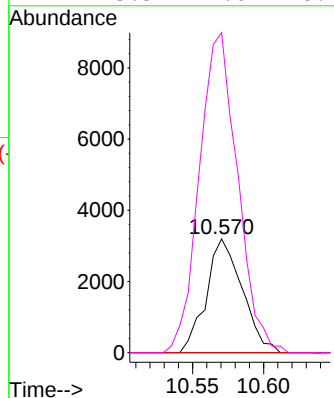
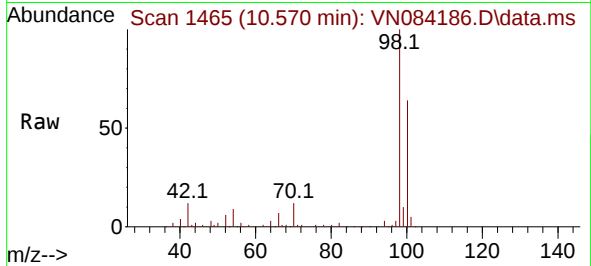




#50
1,1,2-Trichloroethane
Concen: 4.007 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

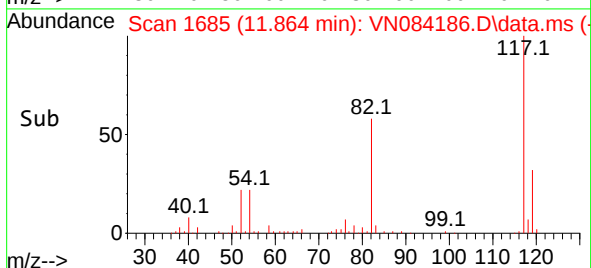
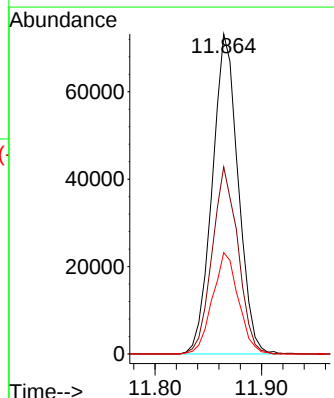
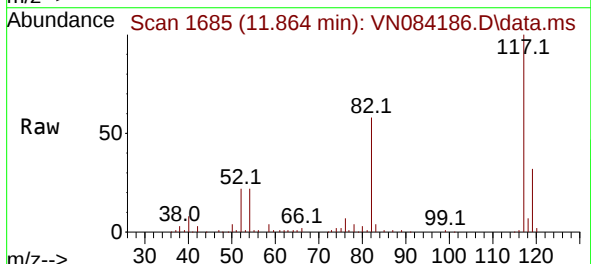
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MSVOA_N
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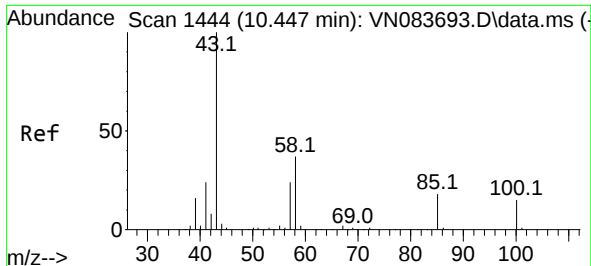
Tgt Ion: 97	Resp: 5641
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	41.8 62.6#
99 275.5	47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 117	Resp: 123642
Ion Ratio	Lower Upper
117 100	
82 58.3	46.6 69.8
119 31.8	25.4 38.2

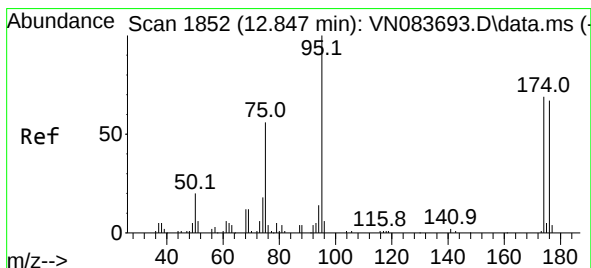
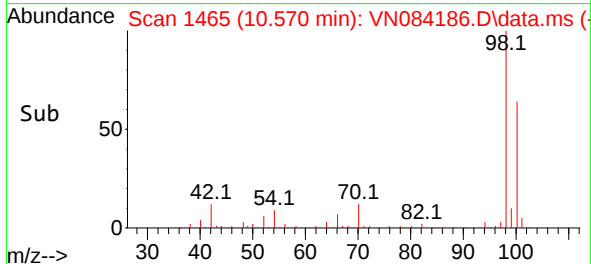
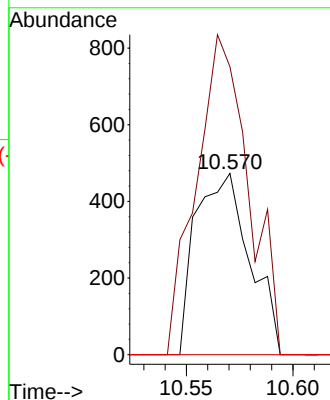
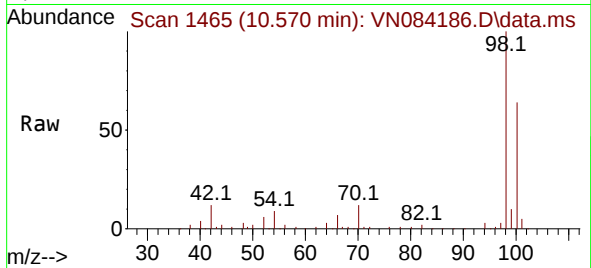




#58
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

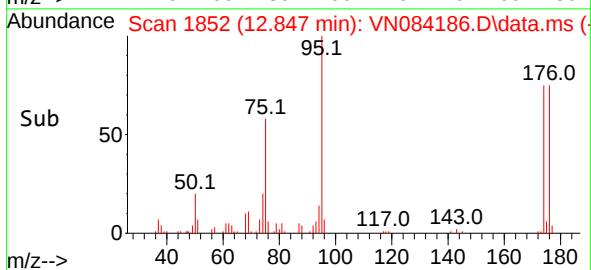
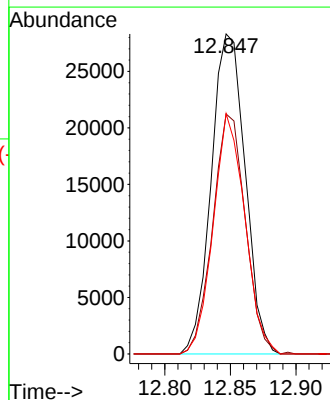
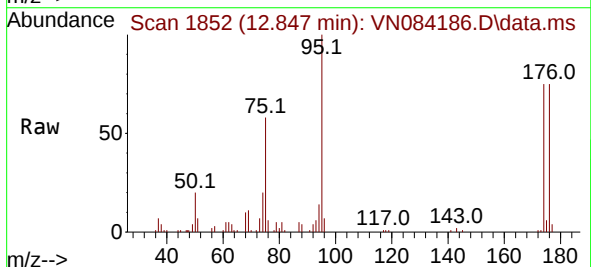
Instrument :
MSVOA_N
ClientSampleId :

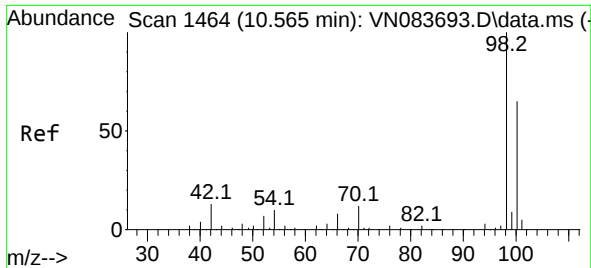
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 171.4 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 23.917 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 95 Resp: 50965
Ion Ratio Lower Upper
95 100
174 72.0 60.5 90.7
176 69.9 57.8 86.6

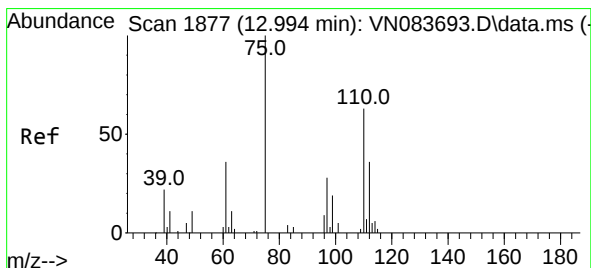
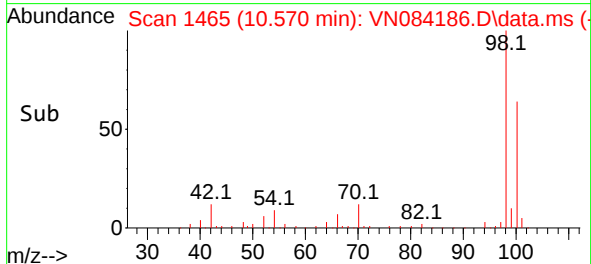
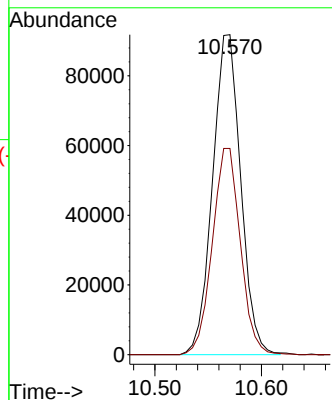
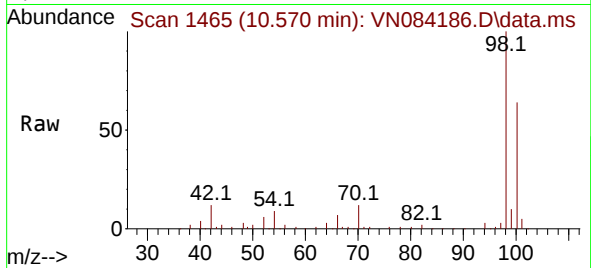




#63
Toluene-d8
Concen: 29.464 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

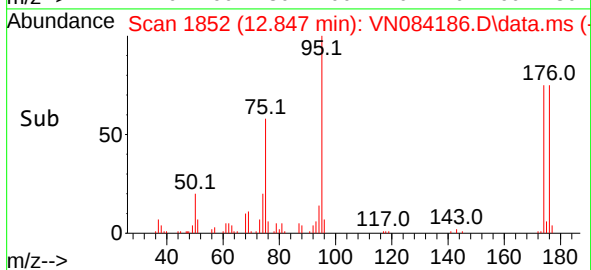
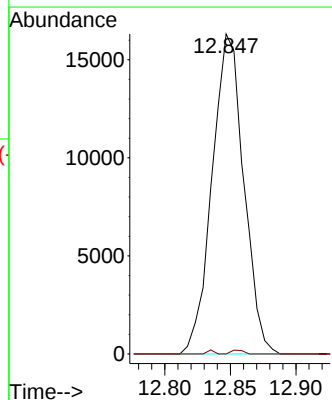
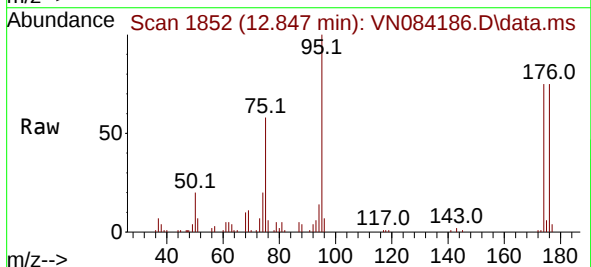
Instrument :
MSVOA_N
ClientSampleId :

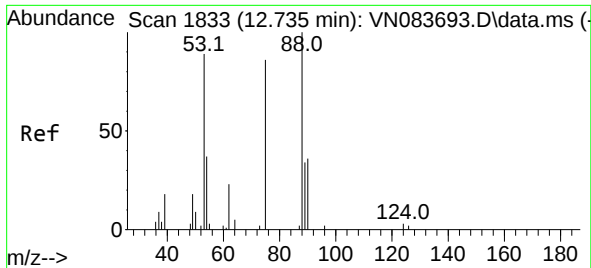
Tgt Ion: 98 Resp: 168686
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.056 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 75 Resp: 27379
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 35.619 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

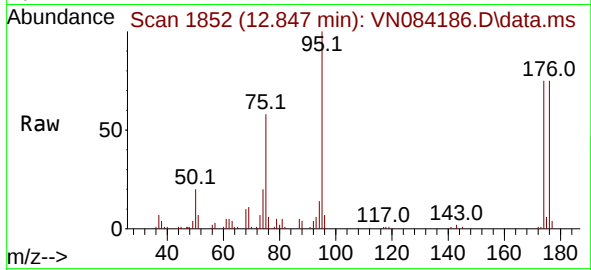
Lab File: VN084186.D

Acq: 26 Sep 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 27379

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

