

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084180.D
 Acq On : 26 Sep 2024 16:40
 Operator : JC\MD
 Sample : P4176-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:11:17 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)

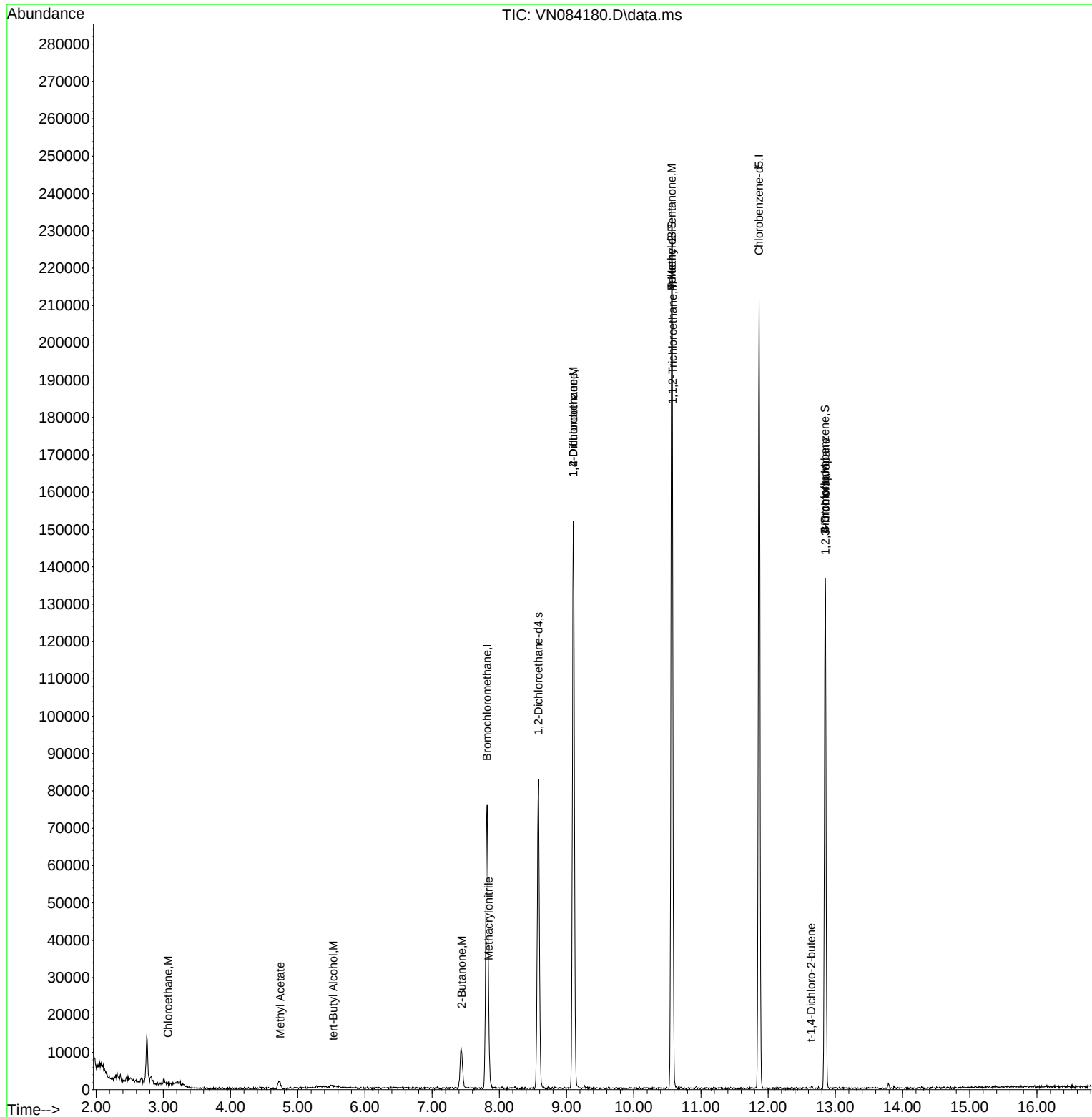
Internal Standards						
1) Bromochloromethane	7.818	128	26066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	127571	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	117207	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	68073	28.571	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.233%
60) 4-Bromofluorobenzene	12.847	95	48688	24.102	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.333%
63) Toluene-d8	10.565	98	159789	29.443	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.133%
Target Compounds						
					Qvalue	
6) Chloroethane	3.071	64	307	0.246	ug/l #	41
12) Methyl Acetate	4.742	43	553	0.283	ug/l #	40
23) tert-Butyl Alcohol	5.530	59	115	0.396	ug/l #	100
30) 2-Butanone	7.441	43	192	0.201	ug/l #	52
35) Methacrylonitrile	7.841	41	678	0.632	ug/l #	22
36) 1,2-Dichloroethane	9.100	62	4933	2.161	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5244	3.857	ug/l #	1
56) Bromoform	12.847	173	293	0.283	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	484	0.260	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	25893	15.020	ug/l	1
77) t-1,4-Dichloro-2-butene	12.641	75	385	0.528	ug/l #	12

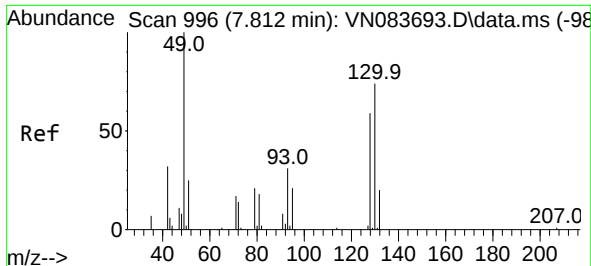
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
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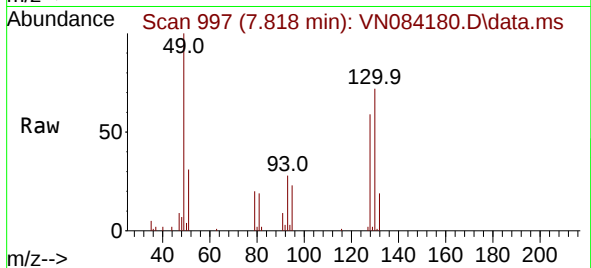
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



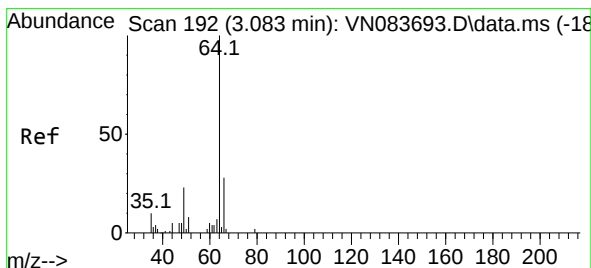
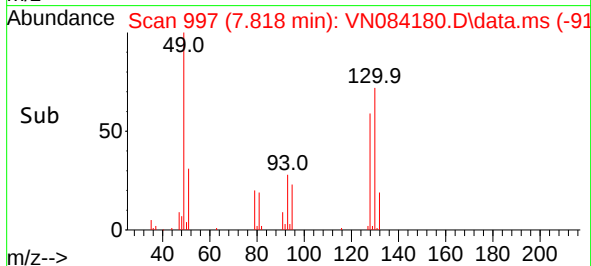
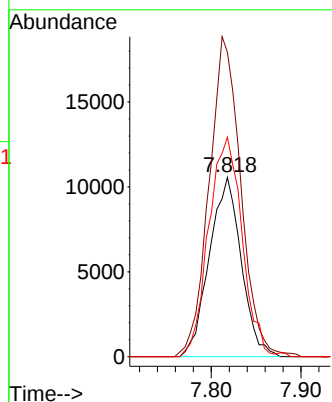


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

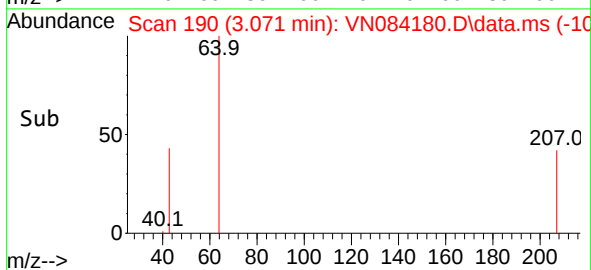
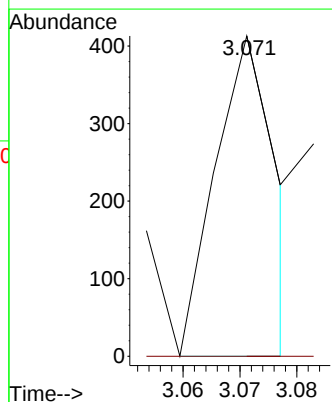
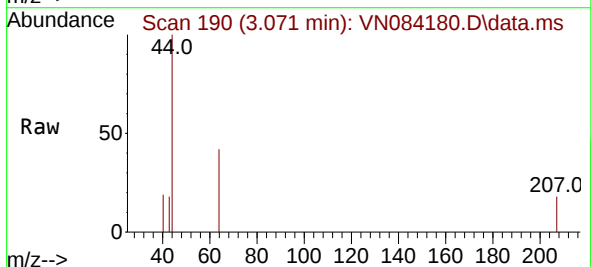


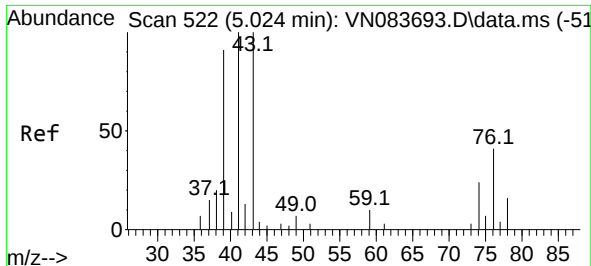
Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.2	0.0	403.7
130	128.0	0.0	323.3



#6
Chloroethane
Concen: 0.246 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.012 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

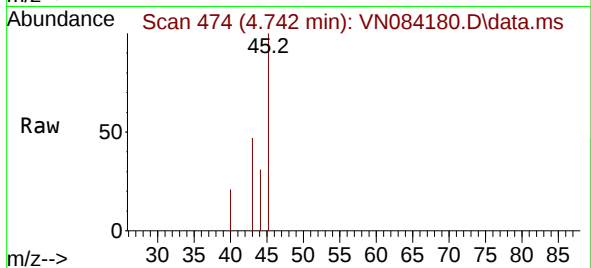
Tgt Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.7	40.1



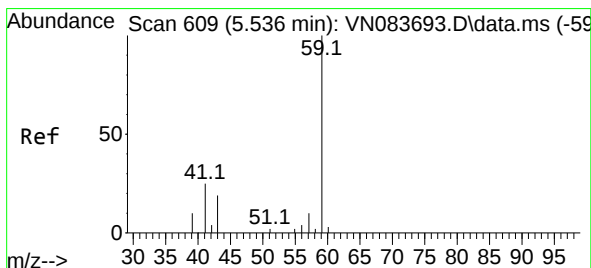
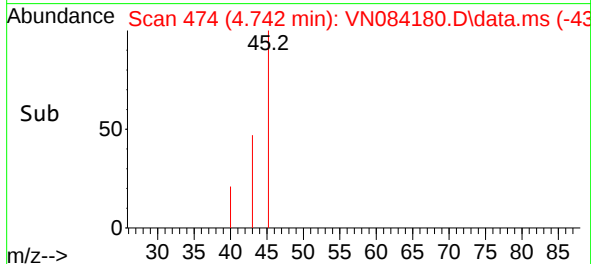
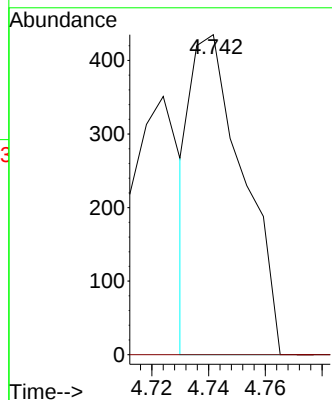


#12
Methyl Acetate
Concen: 0.283 ug/l
RT: 4.742 min Scan# 41
Delta R.T. -0.282 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

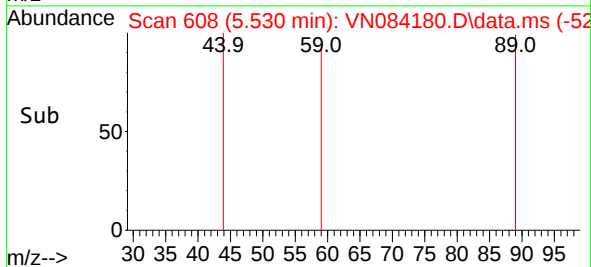
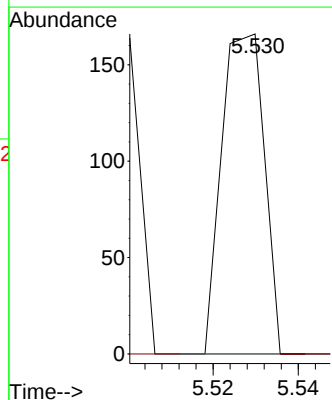
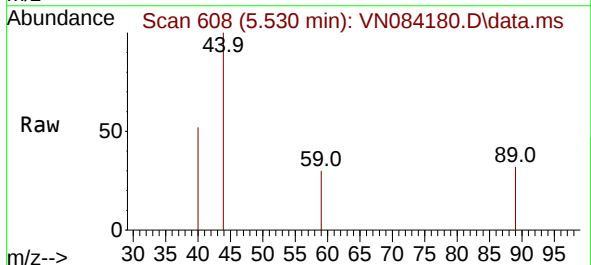


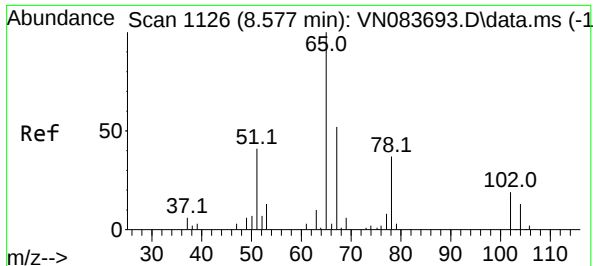
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#



#23
tert-Butyl Alcohol
Concen: 0.396 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

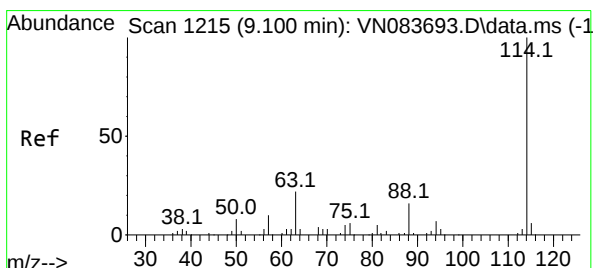
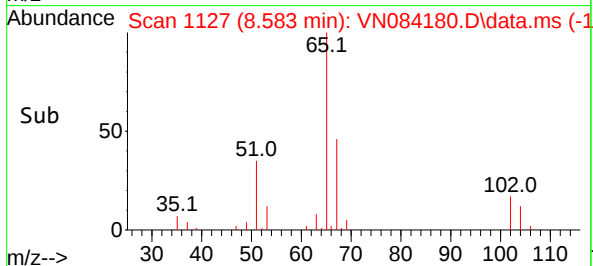
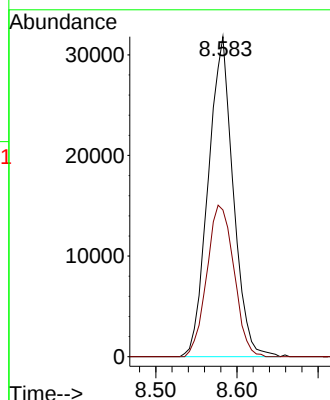
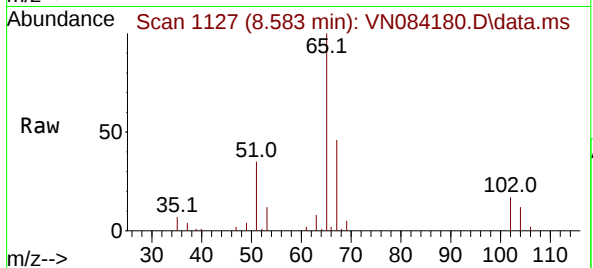




#27
 1,2-Dichloroethane-d4
 Concen: 28.571 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN084180.D
 Acq: 26 Sep 2024 16:40

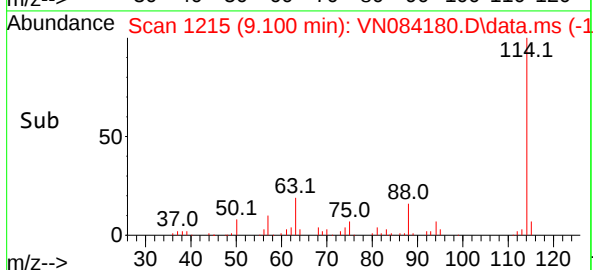
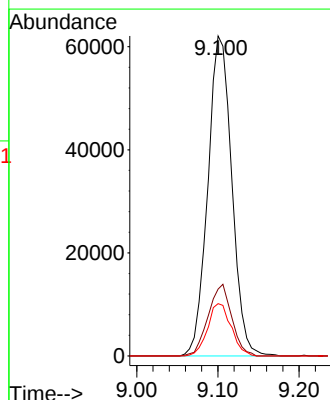
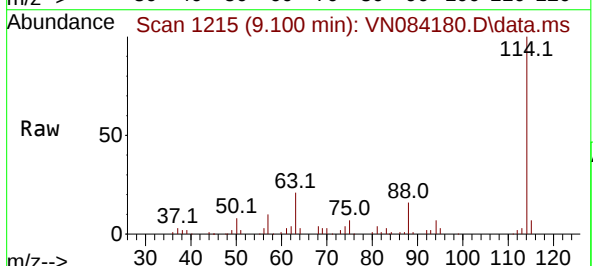
Instrument :
 MSVOA_N
 ClientSampleId :

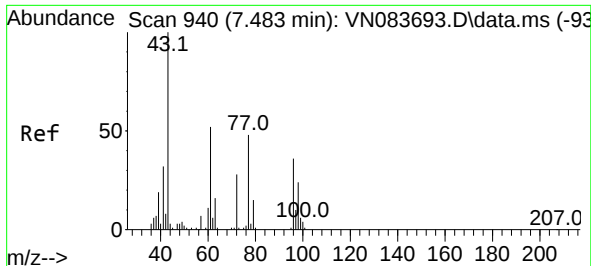
Tgt Ion: 65 Resp: 68073
 Ion Ratio Lower Upper
 65 100
 67 51.3 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084180.D
 Acq: 26 Sep 2024 16:40

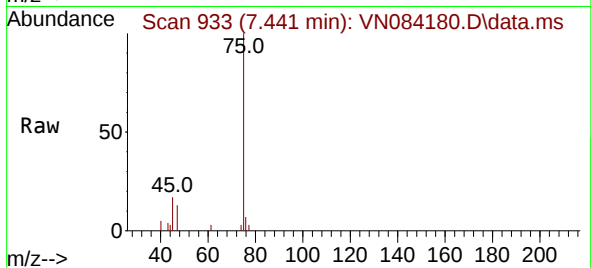
Tgt Ion: 114 Resp: 127571
 Ion Ratio Lower Upper
 114 100
 63 22.0 15.9 23.9
 88 16.0 12.7 19.1



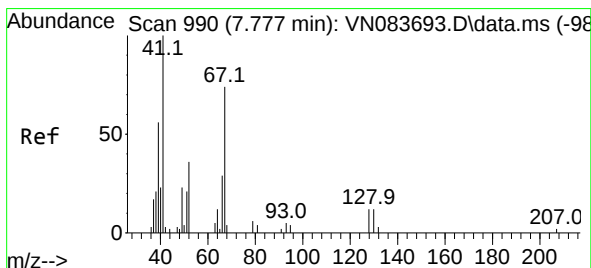
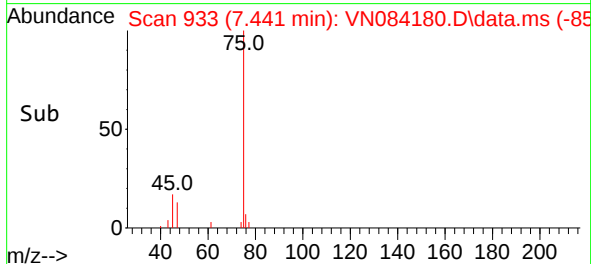
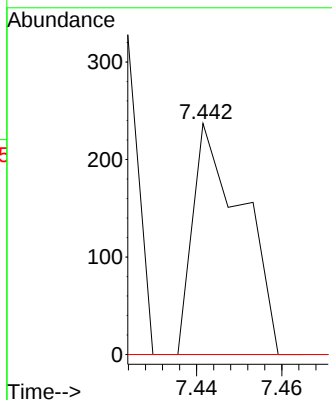


#30
2-Butanone
Concen: 0.201 ug/l
RT: 7.441 min Scan# 91
Delta R.T. -0.041 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

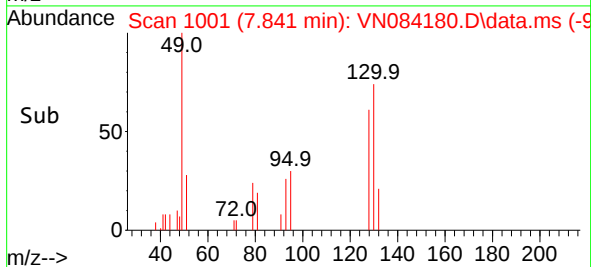
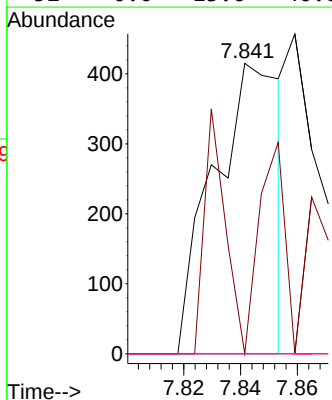
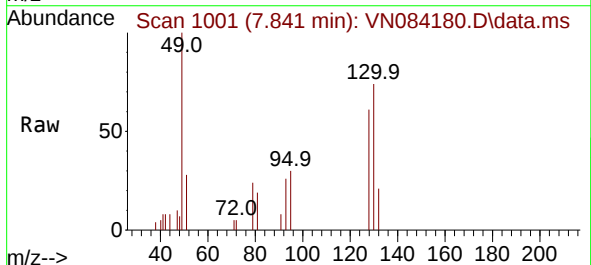


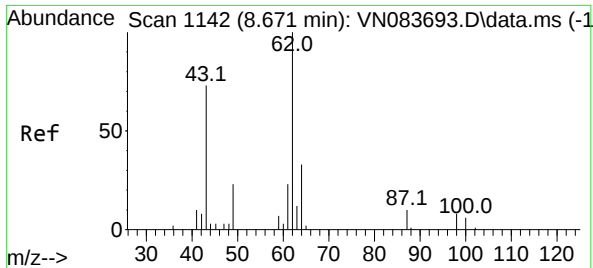
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#35
Methacrylonitrile
Concen: 0.632 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Tgt Ion: 41 Resp: 678
Ion Ratio Lower Upper
41 100
39 0.0 25.3 75.9#
67 0.0 38.7 116.1#
52 0.0 13.6 40.8#

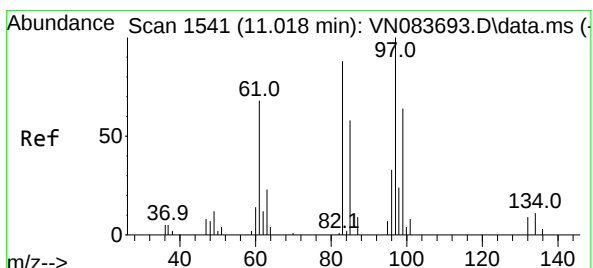
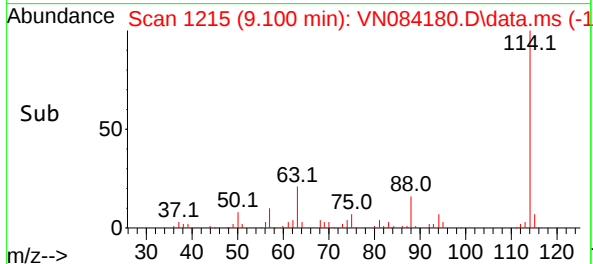
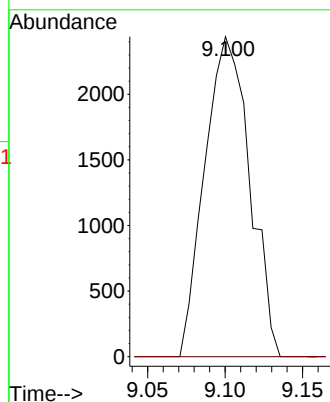
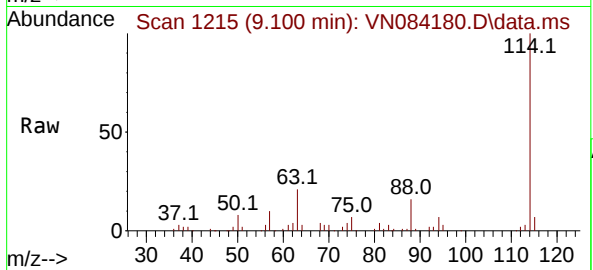




#36
 1,2-Dichloroethane
 Concen: 2.161 ug/l
 RT: 9.100 min Scan# 1142
 Delta R.T. 0.430 min
 Lab File: VN084180.D
 Acq: 26 Sep 2024 16:40

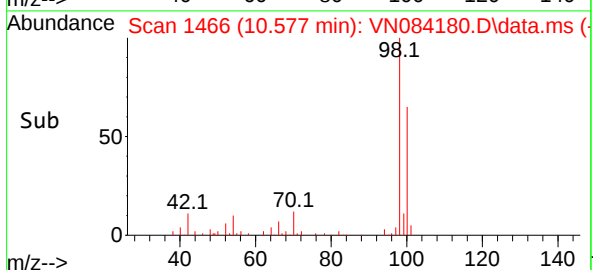
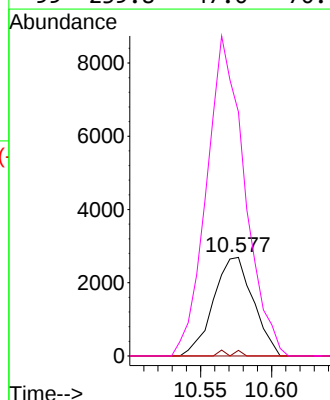
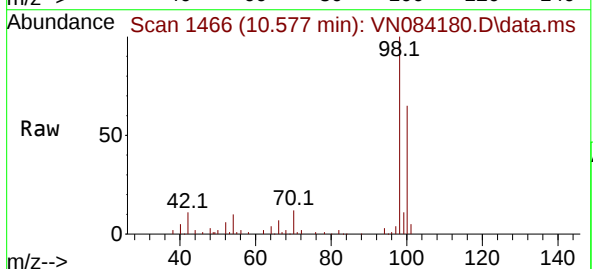
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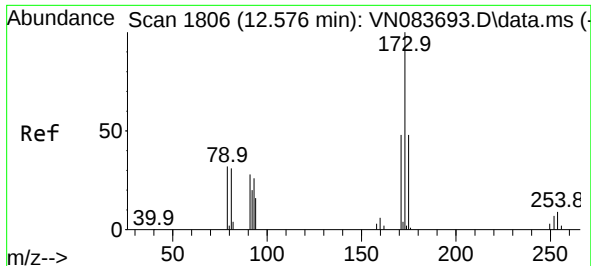
Tgt Ion: 62 Resp: 4933
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#50
 1,1,2-Trichloroethane
 Concen: 3.857 ug/l
 RT: 10.577 min Scan# 1466
 Delta R.T. -0.441 min
 Lab File: VN084180.D
 Acq: 26 Sep 2024 16:40

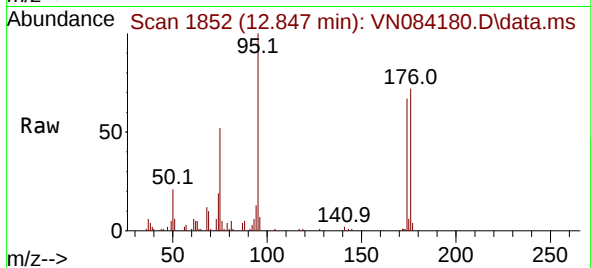
Tgt Ion: 97 Resp: 5244
 Ion Ratio Lower Upper
 97 100
 83 5.6 68.1 102.1#
 85 0.0 41.8 62.6#
 99 239.8 47.0 70.4#



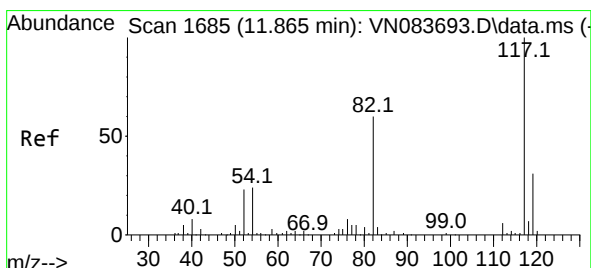
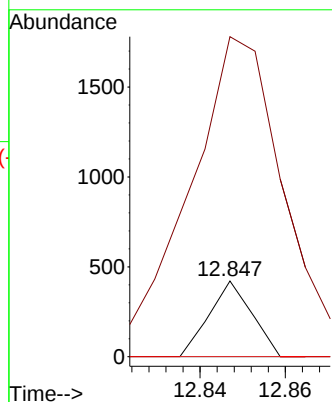
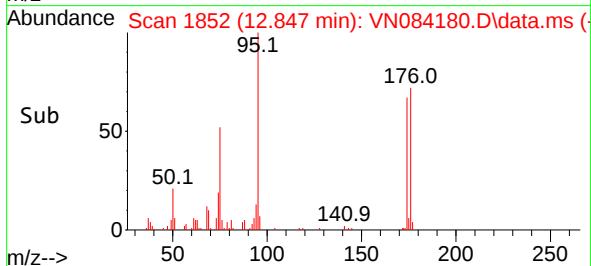


#56
Bromoform
Concen: 0.283 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

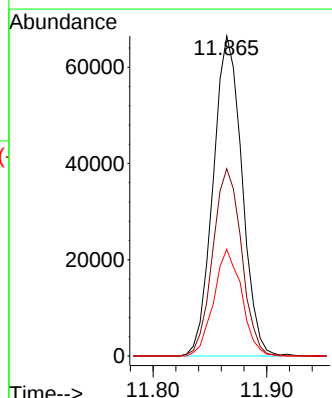
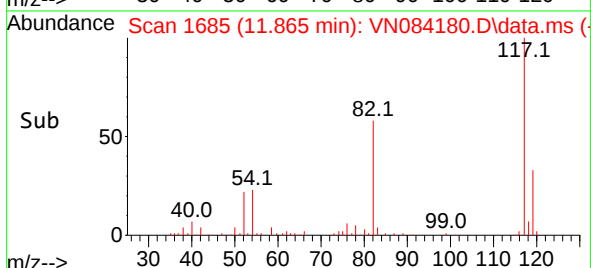
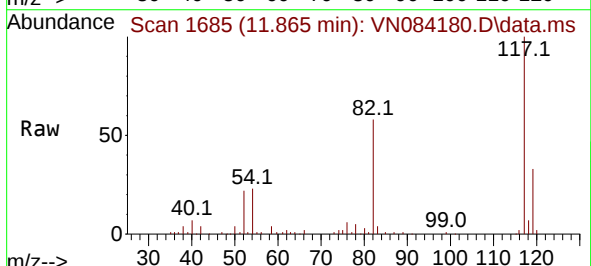


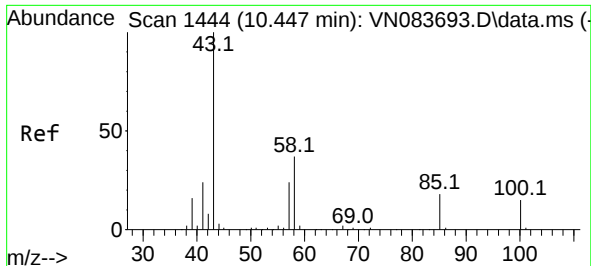
Tgt Ion:173 Resp: 293
Ion Ratio Lower Upper
173 100
175 931.4 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

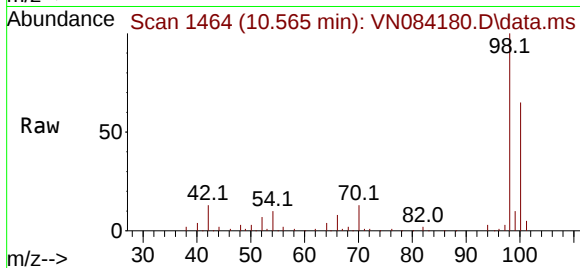
Tgt Ion:117 Resp: 117207
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 32.3 25.4 38.2



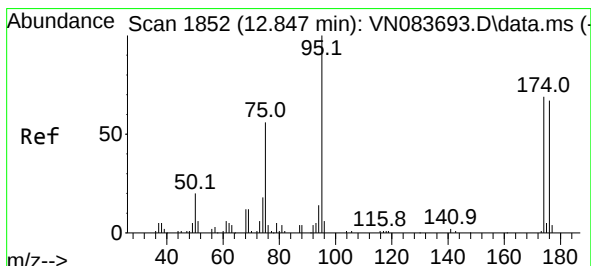
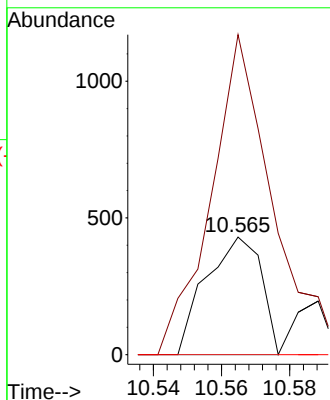
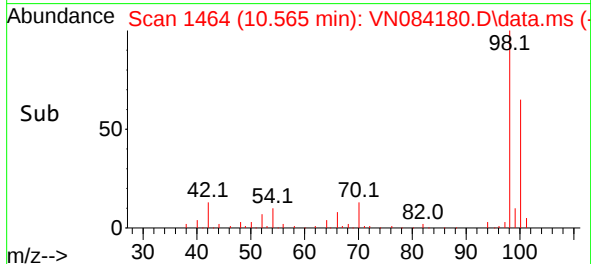


#58
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

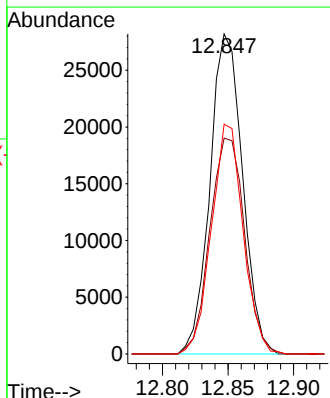
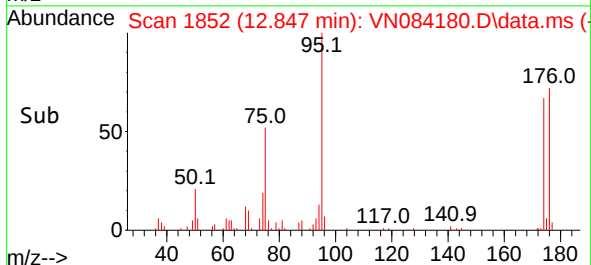
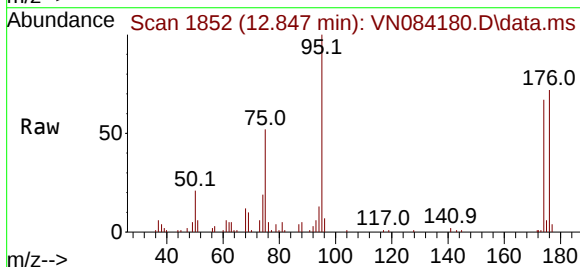


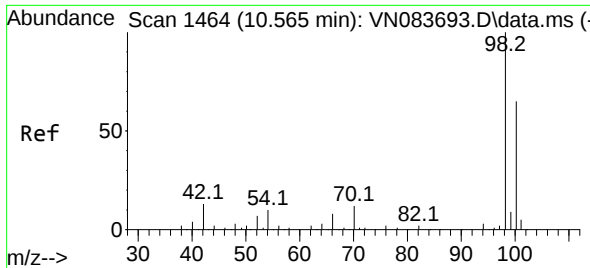
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
58 300.2 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 24.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

Tgt Ion: 95 Resp: 48688
Ion Ratio Lower Upper
95 100
174 71.8 60.5 90.7
176 69.8 57.8 86.6

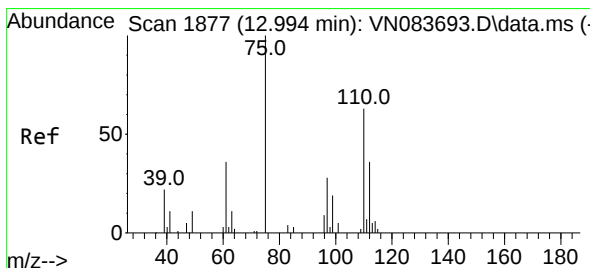
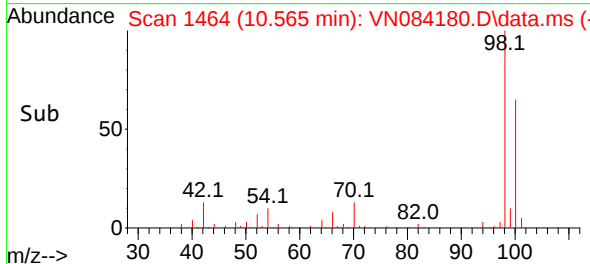
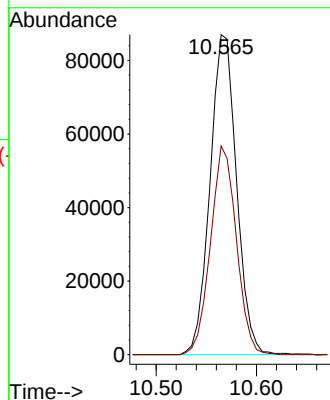
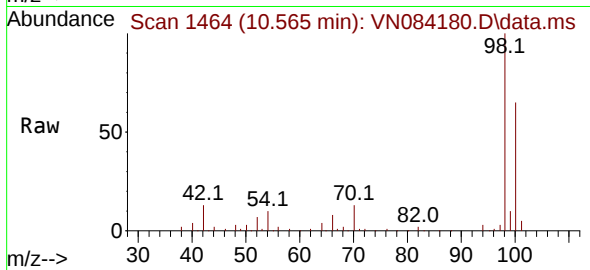




#63
Toluene-d8
Concen: 29.443 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

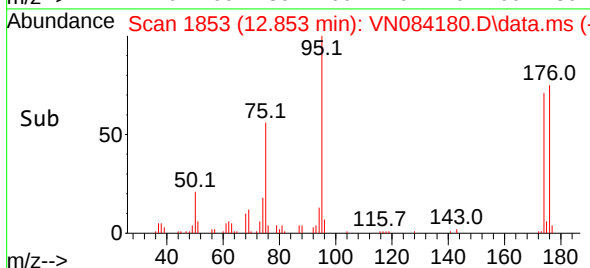
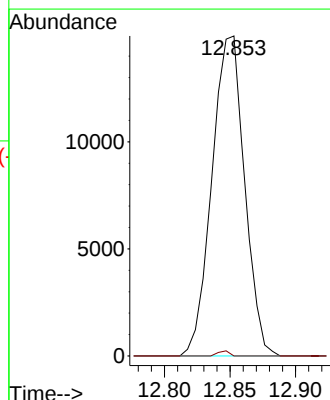
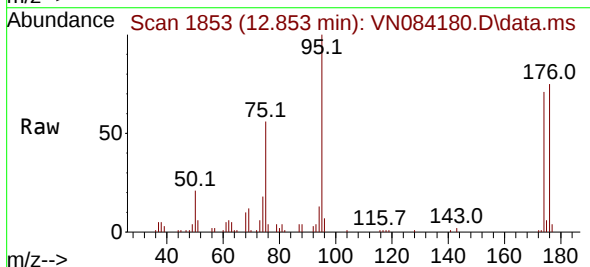
Instrument :
MSVOA_N
ClientSampleId :

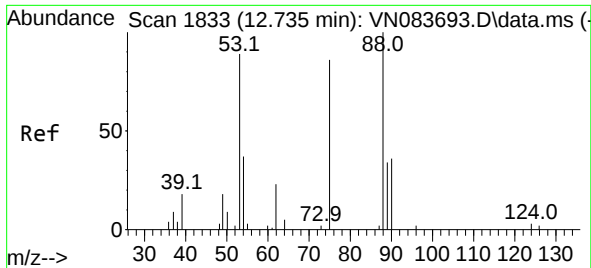
Tgt Ion: 98 Resp: 159789
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.020 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN084180.D
Acq: 26 Sep 2024 16:40

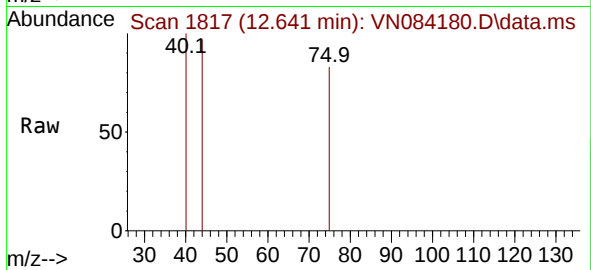
Tgt Ion: 75 Resp: 25893
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 0.528 ug/l
 RT: 12.641 min Scan# 11
 Delta R.T. -0.094 min
 Lab File: VN084180.D
 Acq: 26 Sep 2024 16:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	385
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

