

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084182.D
 Acq On : 26 Sep 2024 17:28
 Operator : JC\MD
 Sample : P4176-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:11:57 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)

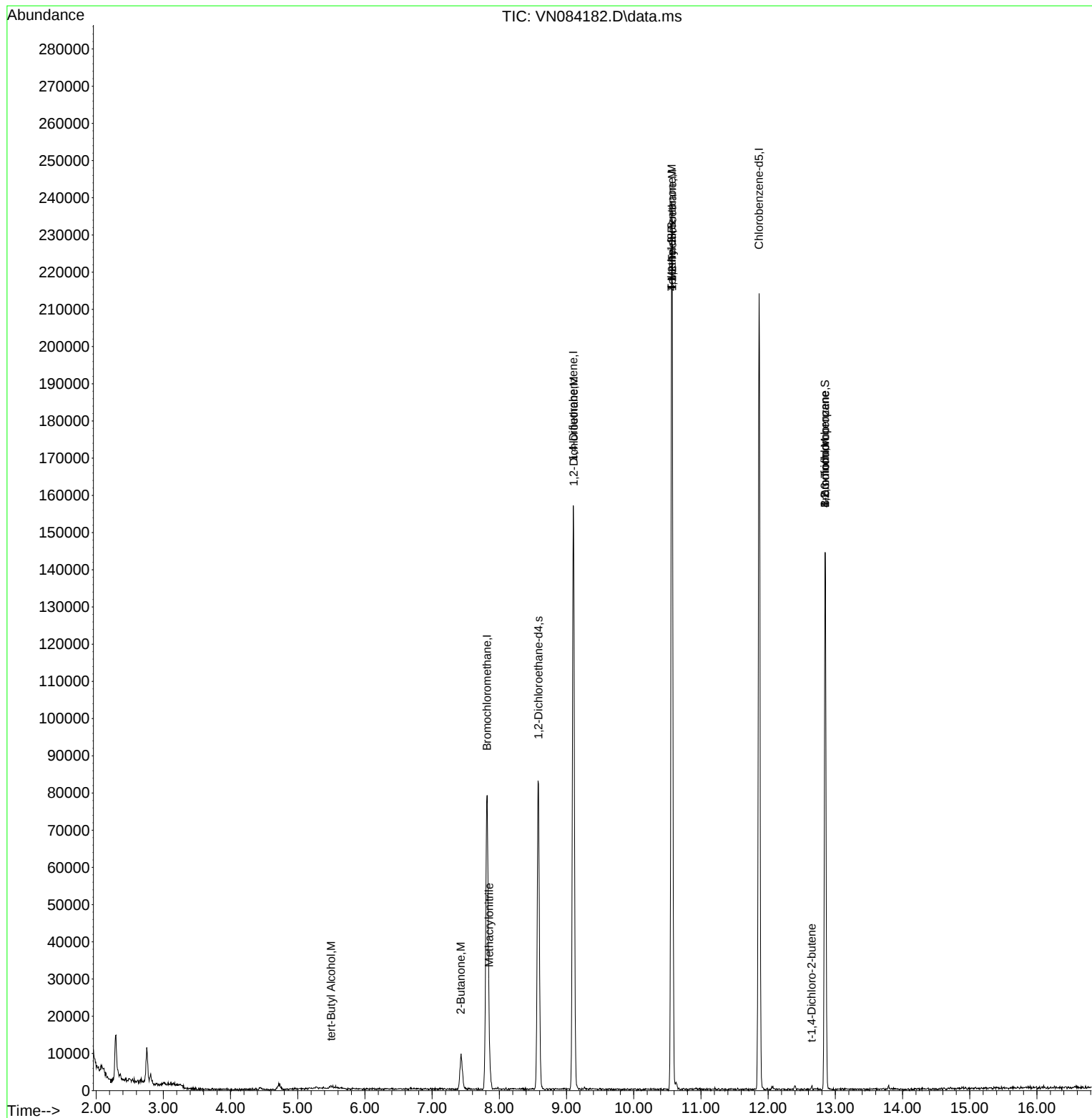
Internal Standards						
1) Bromochloromethane	7.818	128	27412	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	132392	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	121378	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	69562	27.762	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.533%		
60) 4-Bromofluorobenzene	12.847	95	49565	23.693	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	78.967%		
63) Toluene-d8	10.565	98	164947	29.349	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.833%		
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.495	59	187	0.613	ug/l #	100
30) 2-Butanone	7.424	43	349	0.353	ug/l #	52
35) Methacrylonitrile	7.847	41	3463	3.112	ug/l #	45
36) 1,2-Dichloroethane	9.106	62	5306	2.240	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5796	4.108	ug/l #	1
56) Bromoform	12.847	173	358	0.333	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	573	0.298	ug/l #	3
72) 1,2,3-Trichloropropane	12.847	75	27230	15.253	ug/l	1
77) t-1,4-Dichloro-2-butene	12.647	75	371	0.492	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
Data File : VN084182.D
Acq On : 26 Sep 2024 17:28
Operator : JC\MD
Sample : P4176-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 27 01:11:57 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

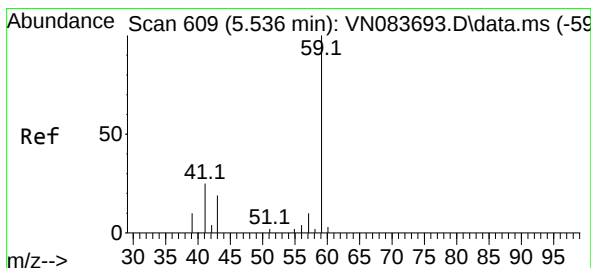
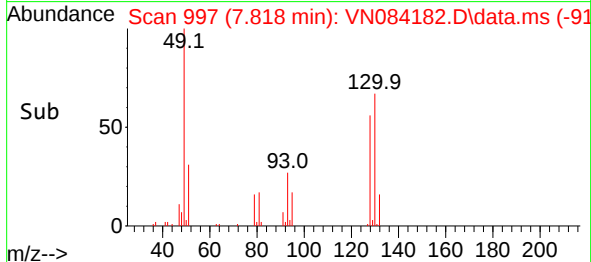
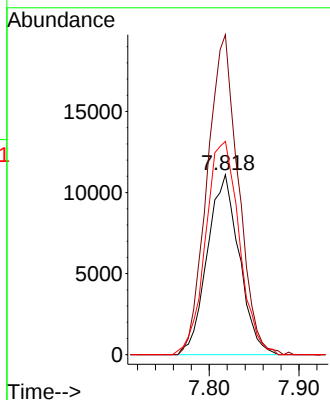
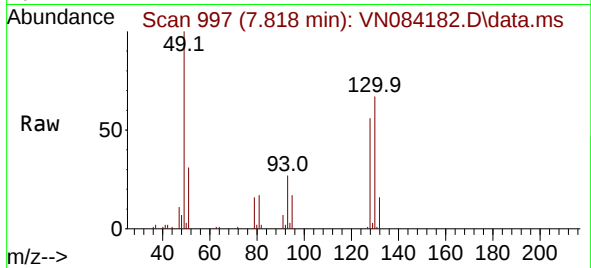




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

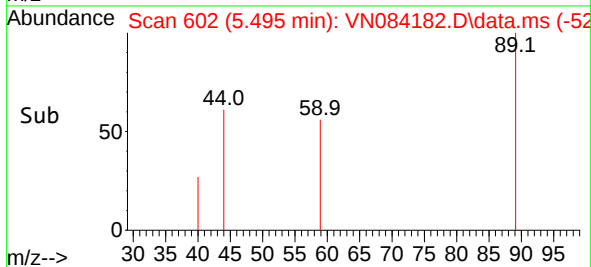
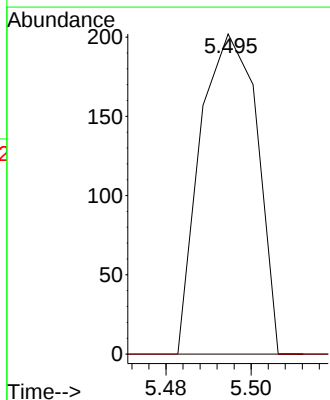
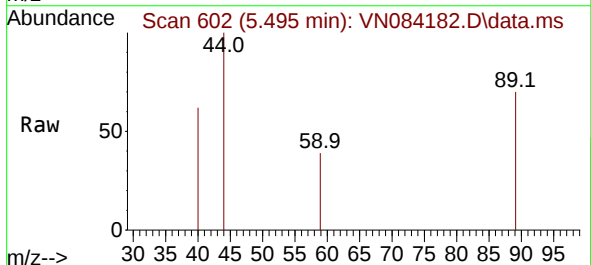
Instrument :
MSVOA_N
ClientSampleId :

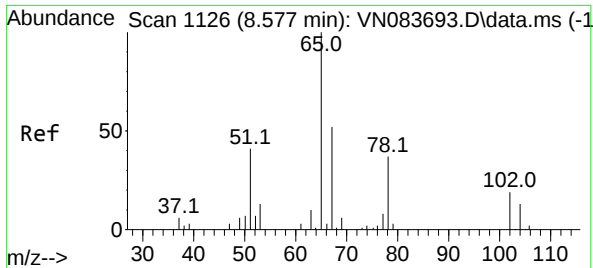
Tgt Ion:128 Resp: 27412
Ion Ratio Lower Upper
128 100
49 173.5 0.0 403.7
130 125.1 0.0 323.3



#23
tert-Butyl Alcohol
Concen: 0.613 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.041 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

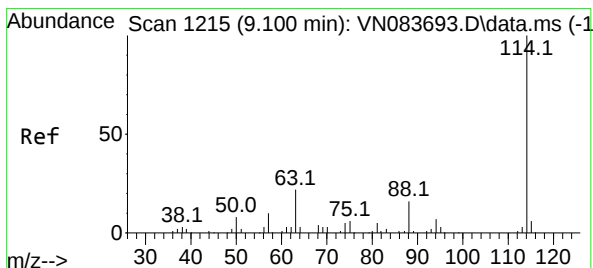
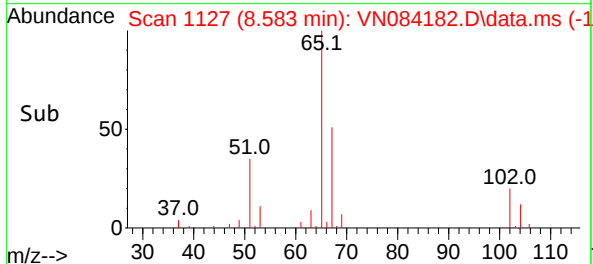
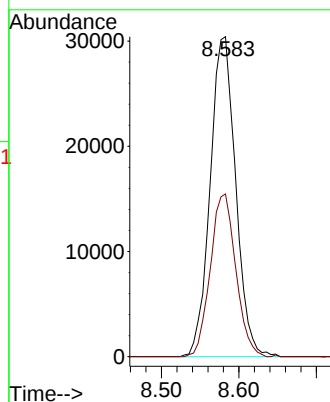
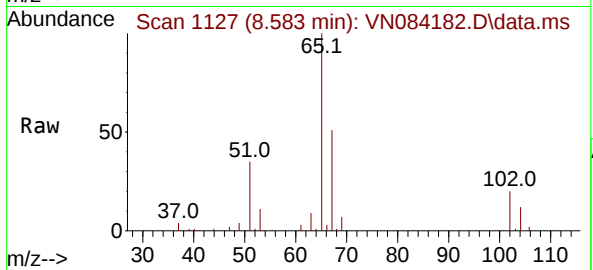




#27
1,2-Dichloroethane-d4
Concen: 27.762 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

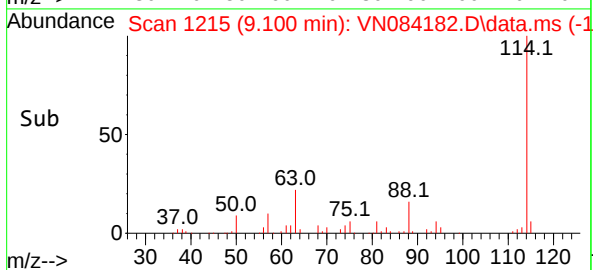
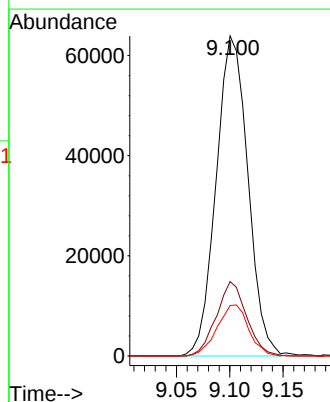
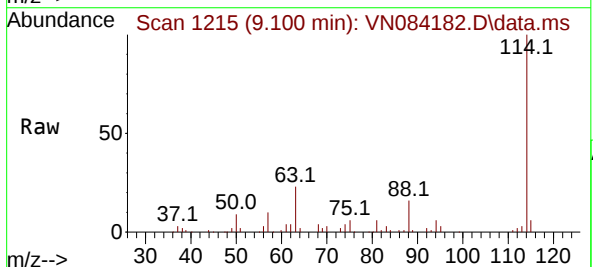
Instrument :
MSVOA_N
ClientSampleId :

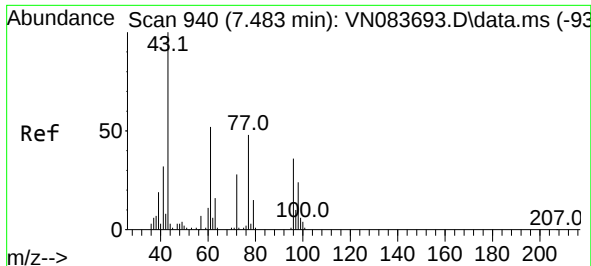
Tgt Ion: 65 Resp: 69562
Ion Ratio Lower Upper
65 100
67 50.8 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

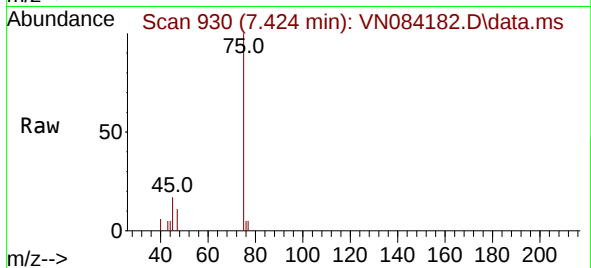
Tgt Ion: 114 Resp: 132392
Ion Ratio Lower Upper
114 100
63 22.1 15.9 23.9
88 15.9 12.7 19.1



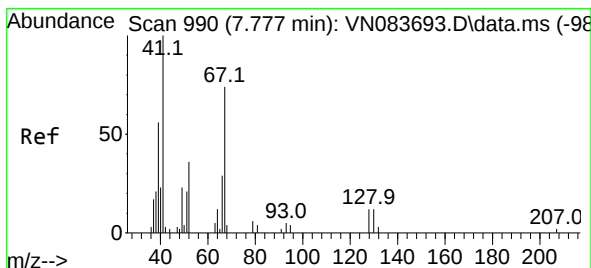
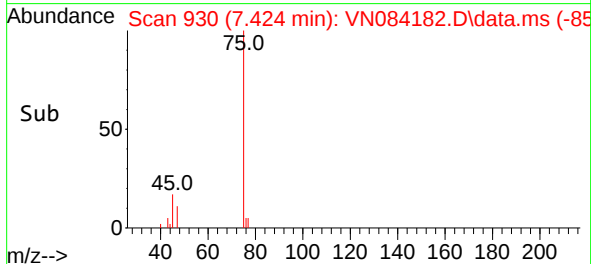
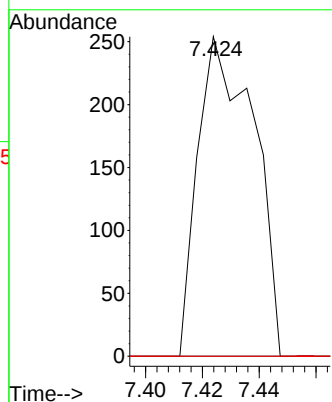


#30
2-Butanone
Concen: 0.353 ug/l
RT: 7.424 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Instrument :
MSVOA_N
ClientSampleId :

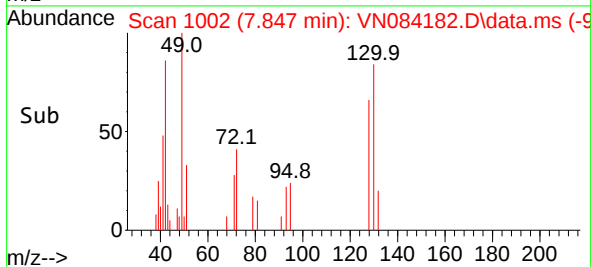
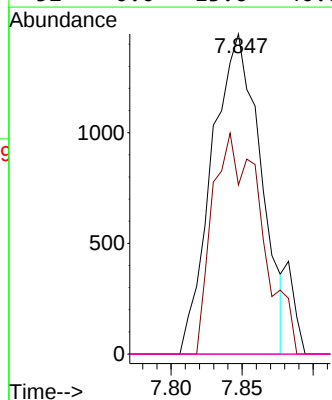
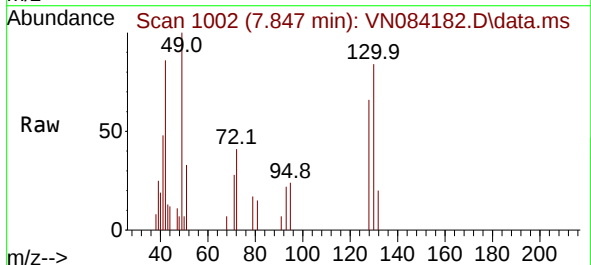


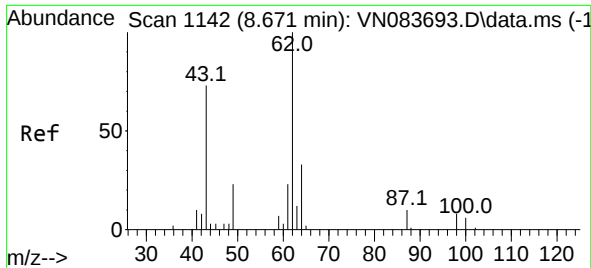
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#35
Methacrylonitrile
Concen: 3.112 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Tgt Ion: 41 Resp: 3463
Ion Ratio Lower Upper
41 100
39 52.8 25.3 75.9
67 0.0 38.7 116.1#
52 0.0 13.6 40.8#

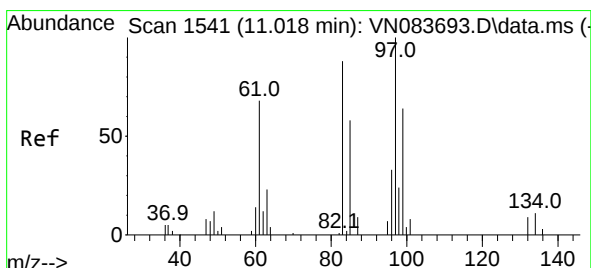
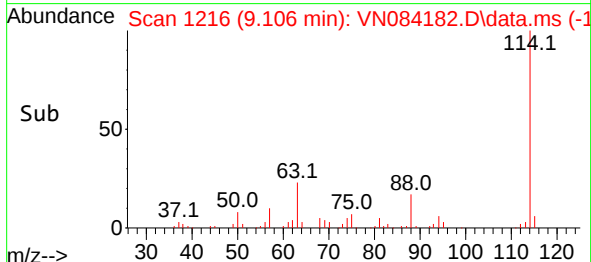
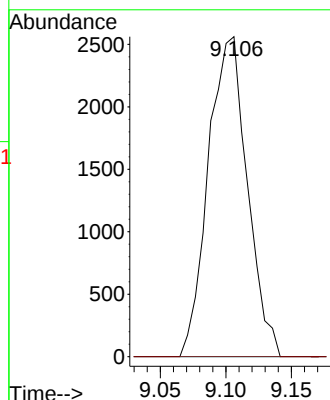
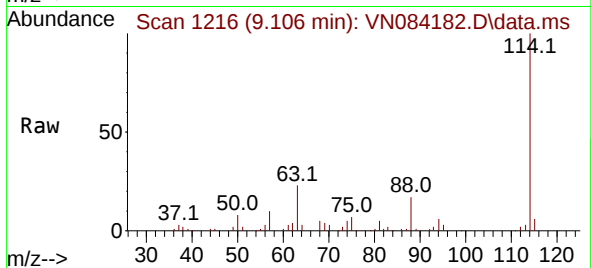




#36
1,2-Dichloroethane
Concen: 2.240 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

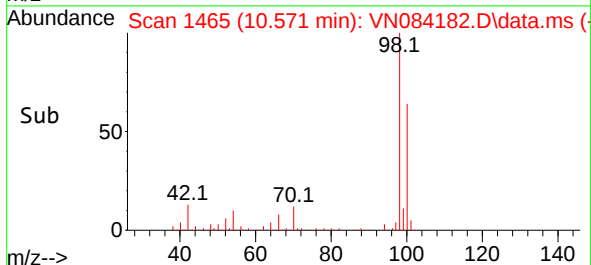
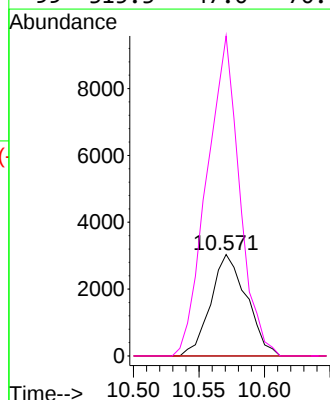
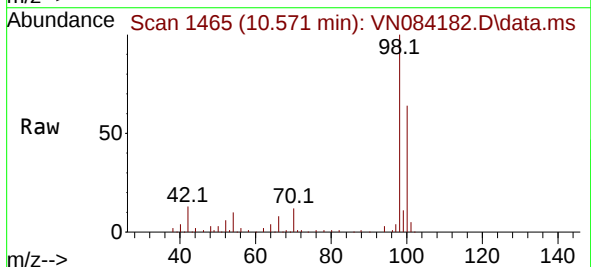
Instrument :
MSVOA_N
ClientSampleId :

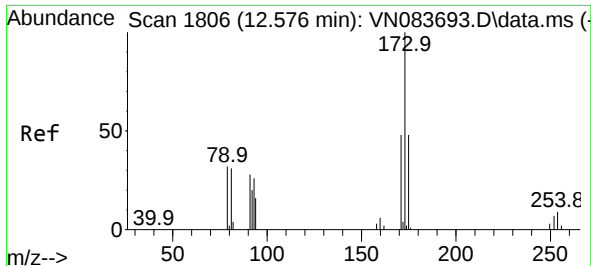
Tgt Ion: 62 Resp: 5306
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#50
1,1,2-Trichloroethane
Concen: 4.108 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

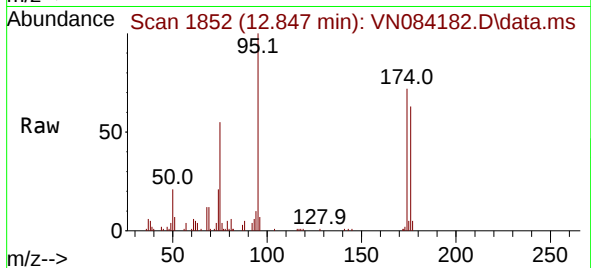
Tgt Ion: 97 Resp: 5796
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 315.3 47.0 70.4#



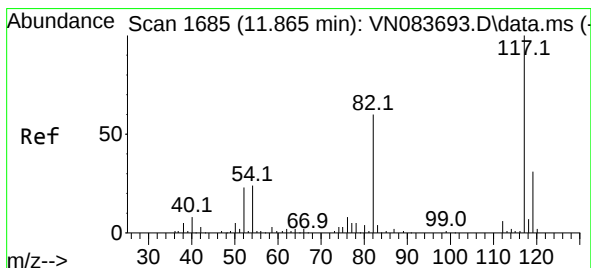
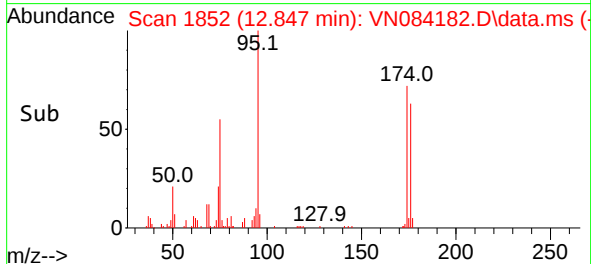
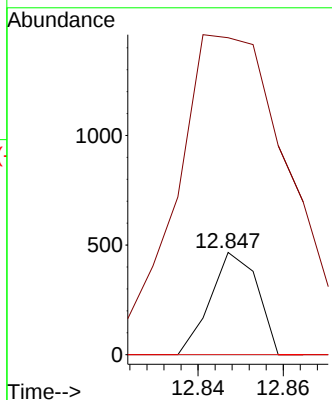


#56
Bromoform
Concen: 0.333 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Instrument :
MSVOA_N
ClientSampleId :

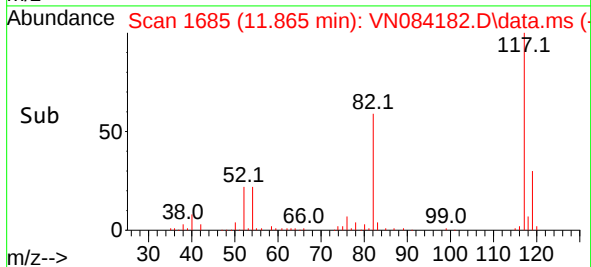
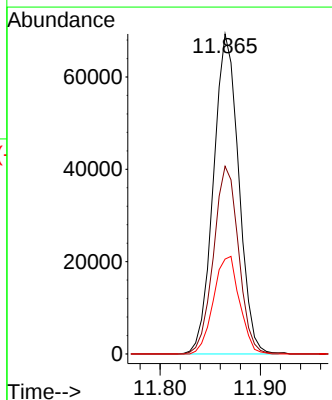
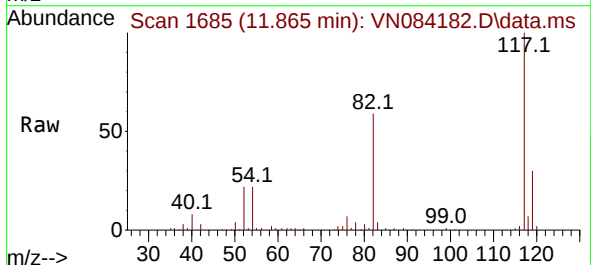


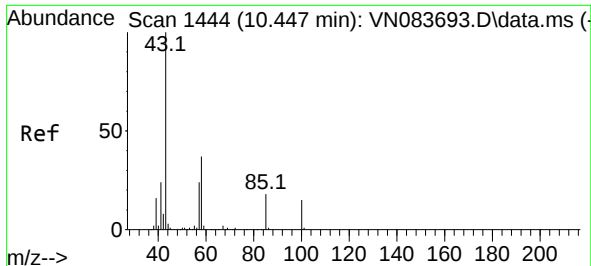
Tgt Ion:173 Resp: 358
Ion Ratio Lower Upper
173 100
175 746.4 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

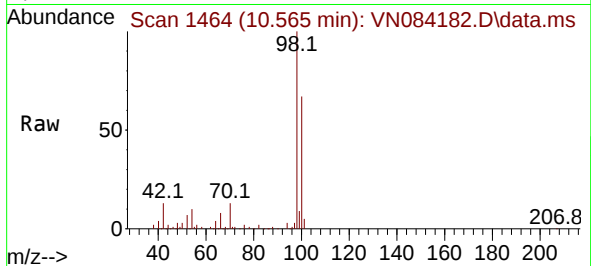
Tgt Ion:117 Resp: 121378
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 31.4 25.4 38.2



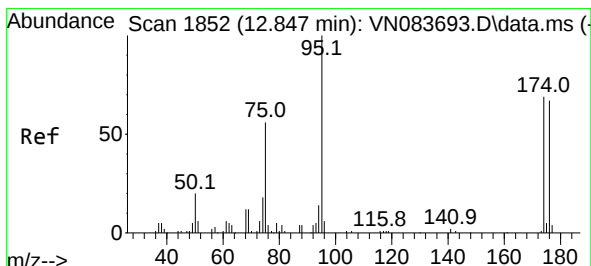
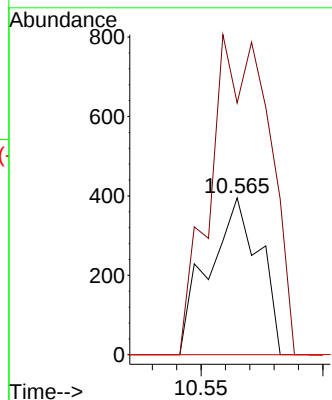
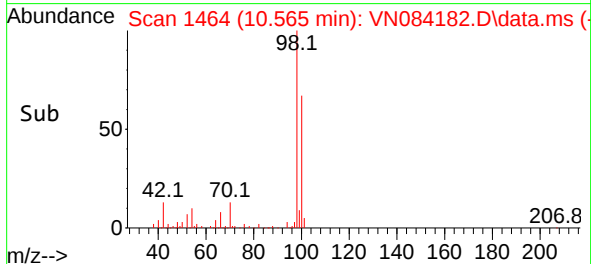


#58
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Instrument :
MSVOA_N
ClientSampleId :

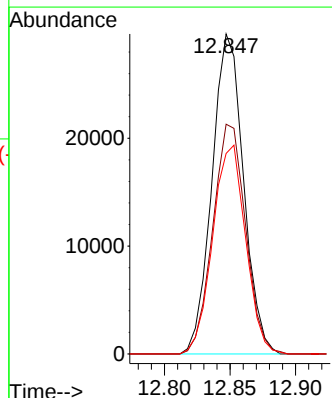
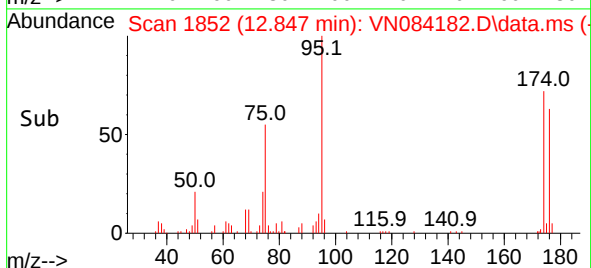
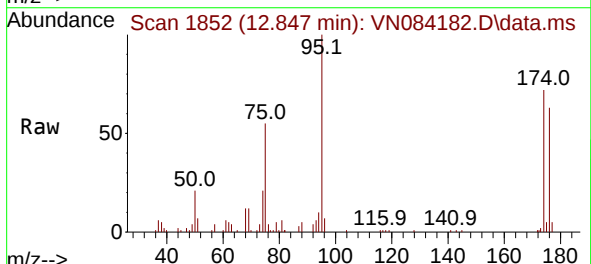


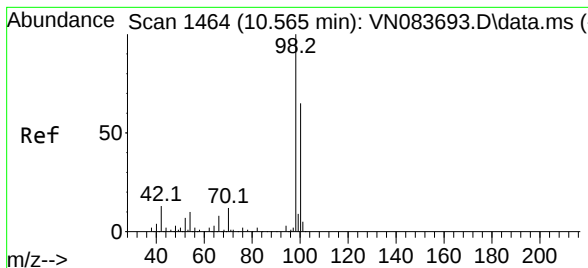
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
58 126.5 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 23.693 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084182.D
Acq: 26 Sep 2024 17:28

Tgt Ion: 95 Resp: 49565
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 68.3 57.8 86.6





#63

Toluene-d8

Concen: 29.349 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084182.D

Acq: 26 Sep 2024 17:28

Instrument :

MSVOA_N

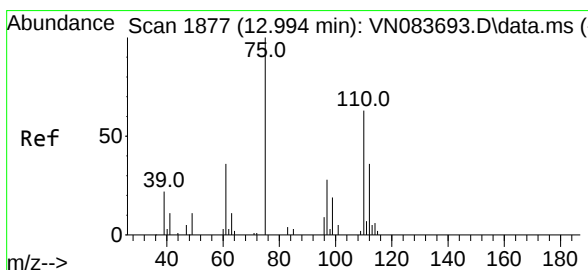
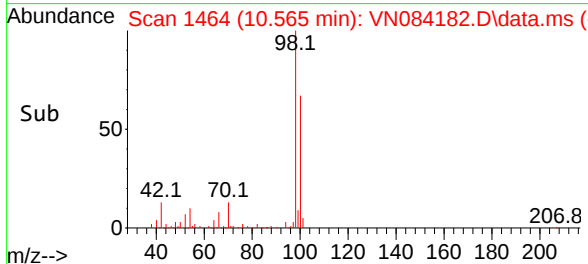
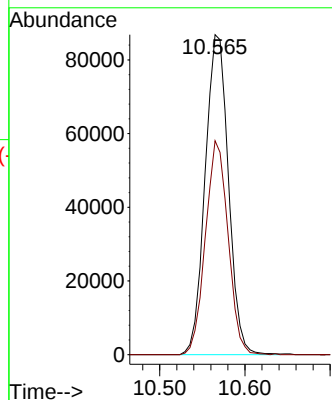
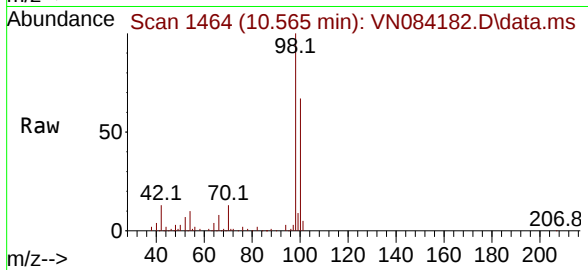
ClientSampleId :

Tgt Ion: 98 Resp: 164947

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 15.253 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084182.D

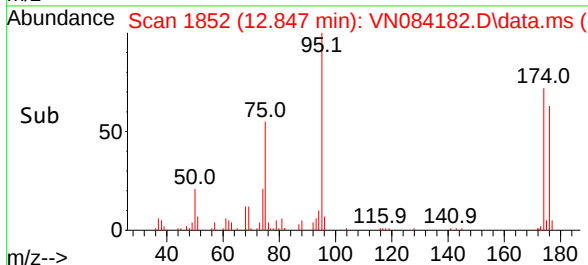
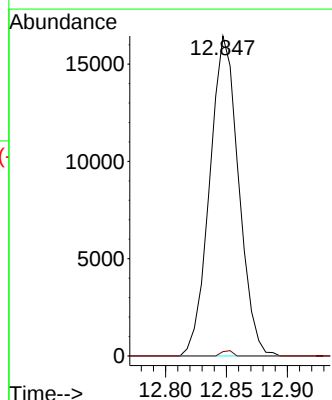
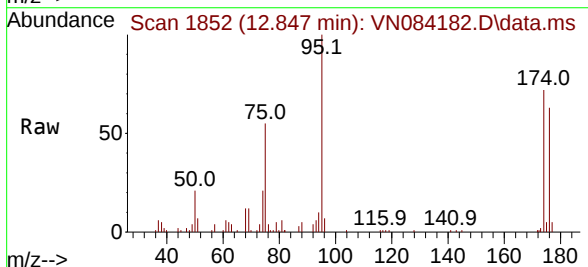
Acq: 26 Sep 2024 17:28

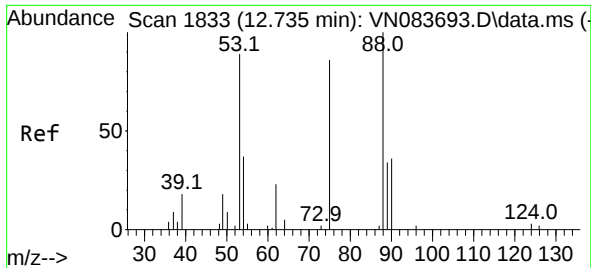
Tgt Ion: 75 Resp: 27230

Ion Ratio Lower Upper

75 100

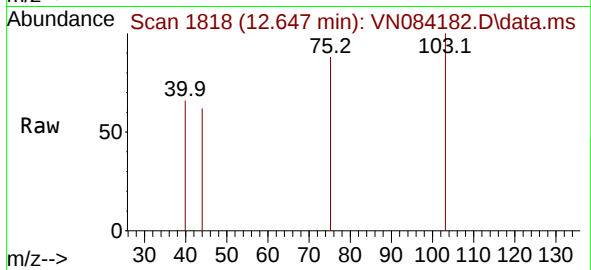
77 0.6 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 0.492 ug/l
 RT: 12.647 min Scan# 11
 Delta R.T. -0.088 min
 Lab File: VN084182.D
 Acq: 26 Sep 2024 17:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	371
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

