

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085059.D
 Acq On : 27 Nov 2024 15:07
 Operator : JC\MD
 Sample : P5018-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 05:34:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

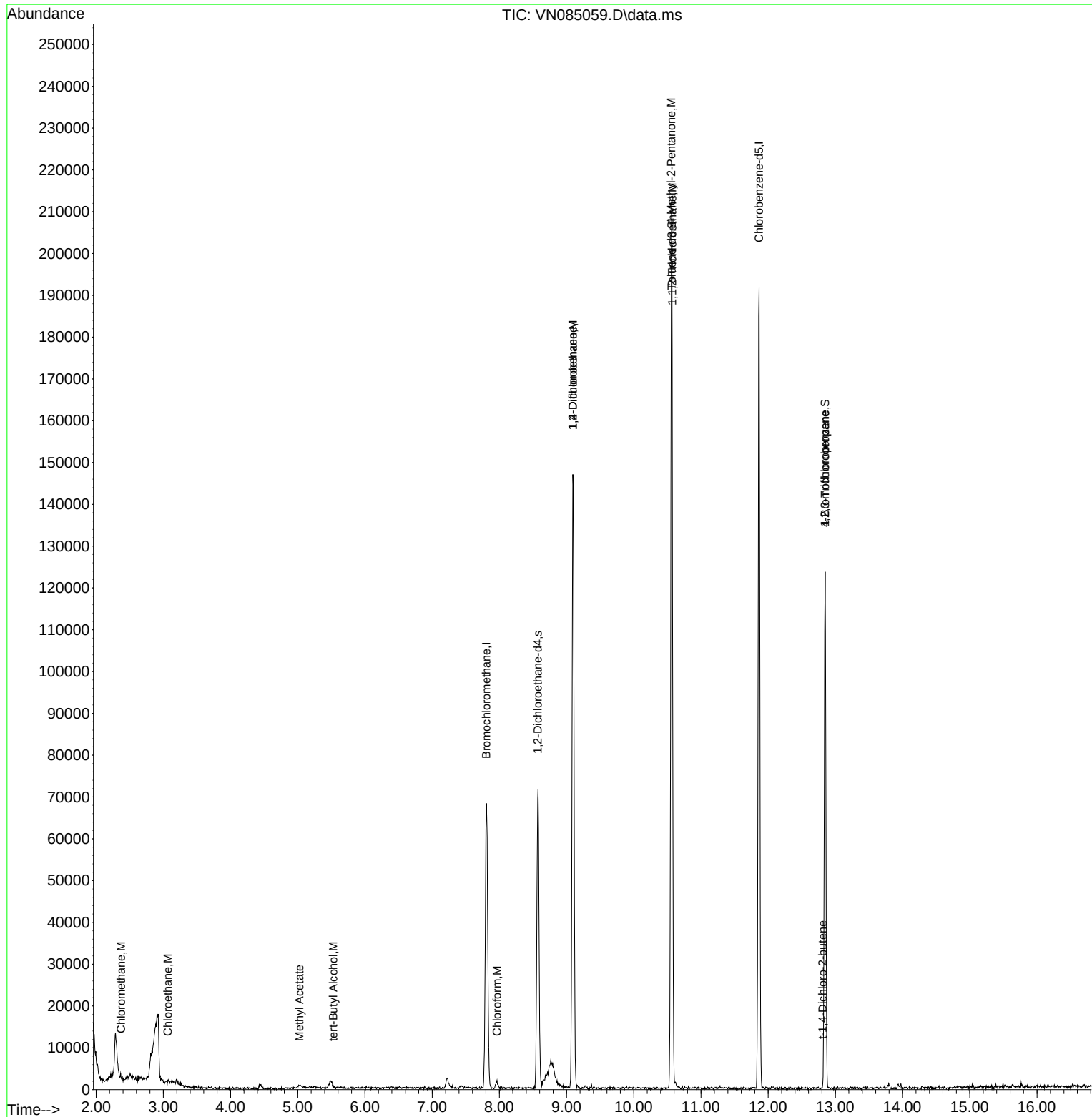
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

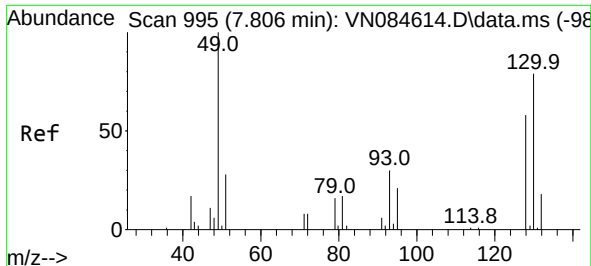
Internal Standards						
1) Bromochloromethane	7.806	128	24391	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	127521	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	110334	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	61032	31.125	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.733%			
60) 4-Bromofluorobenzene	12.847	95	44319	23.329	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 77.767%			
63) Toluene-d8	10.565	98	147800	28.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.333%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	483	0.283	ug/l #	43
6) Chloroethane	3.065	64	239	0.230	ug/l #	47
12) Methyl Acetate	5.024	43	1068	0.482	ug/l #	52
23) tert-Butyl Alcohol	5.530	59	79	0.312	ug/l #	100
25) Chloroform	7.965	83	1964	0.657	ug/l	92
36) 1,2-Dichloroethane	9.094	62	4806	2.276	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	5376	3.749	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	461	0.265	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	23437	13.976	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.812	75	171	0.249	ug/l #	7

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

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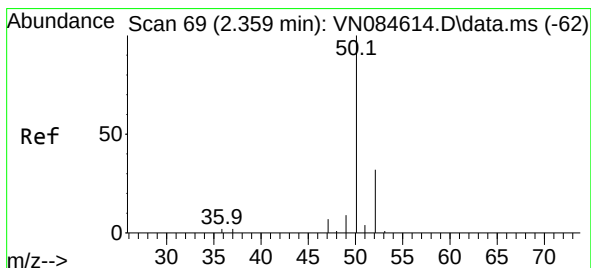
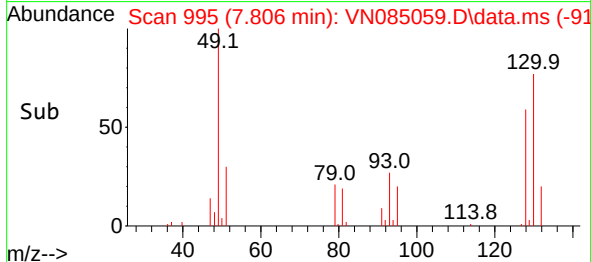
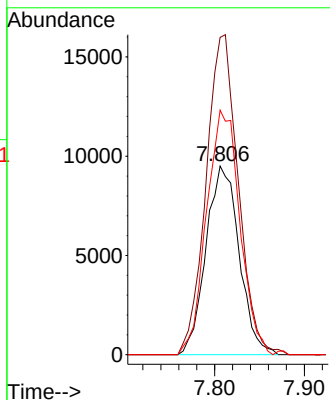
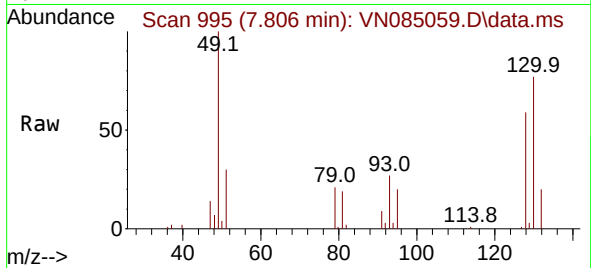




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085059.D
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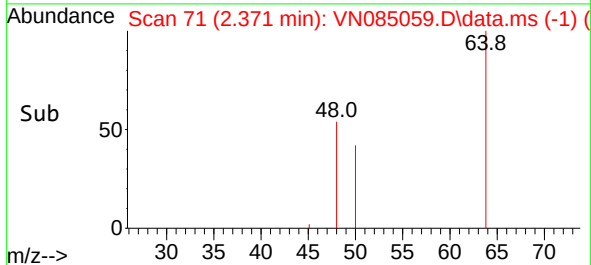
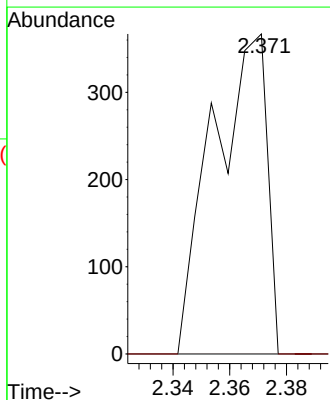
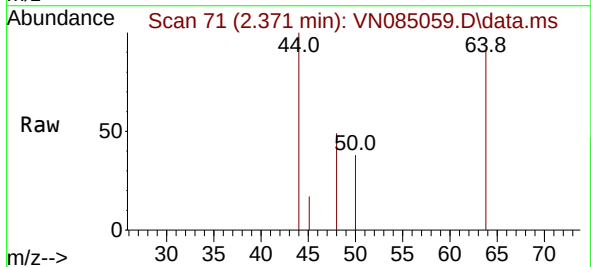
Instrument :
MSVOA_N
ClientSampleId :

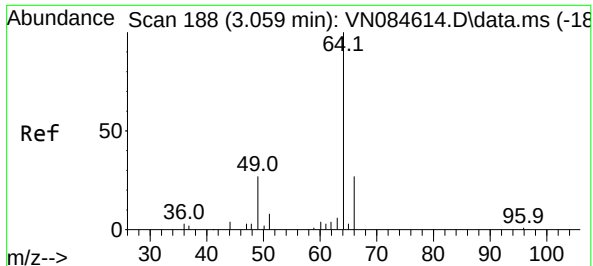
Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.8	0.0	427.0
130	130.5	0.0	322.2



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Tgt Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.5	38.3

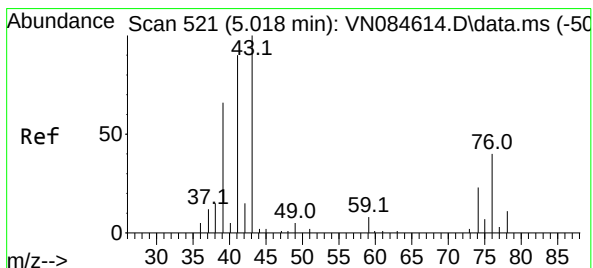
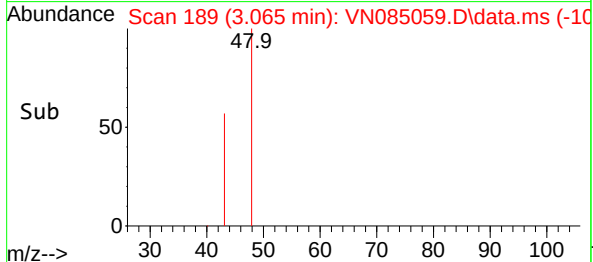
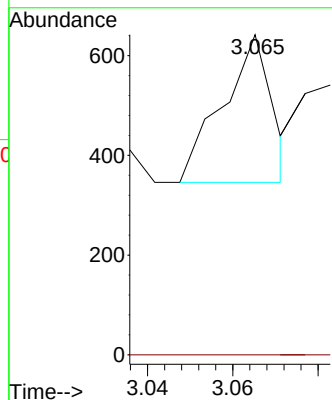
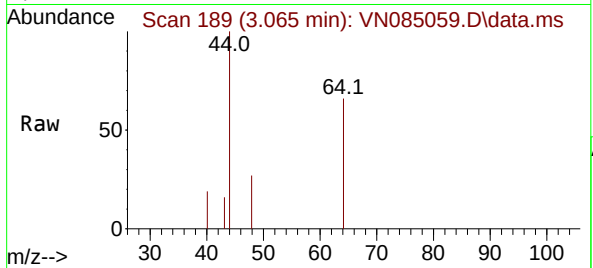




#6
Chloroethane
Concen: 0.230 ug/l
RT: 3.065 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

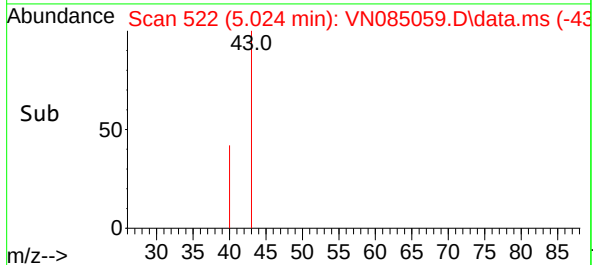
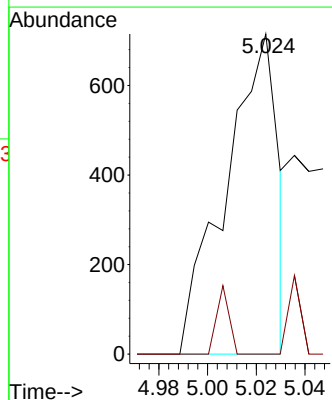
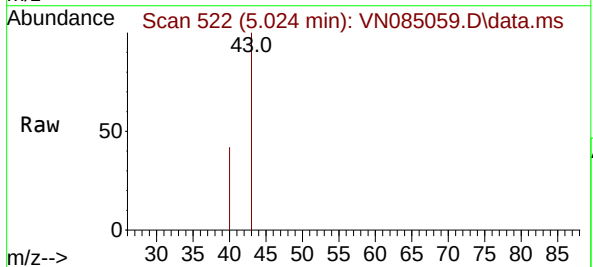
Instrument :
MSVOA_N
ClientSampleId :

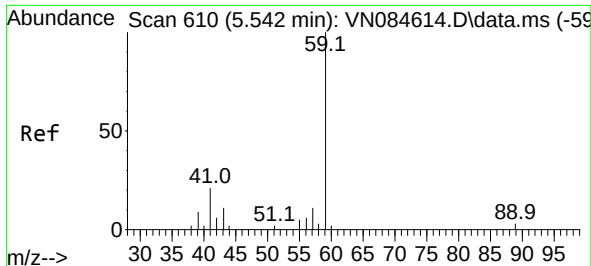
Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



#12
Methyl Acetate
Concen: 0.482 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

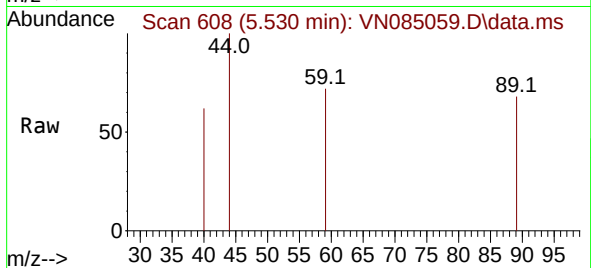
Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



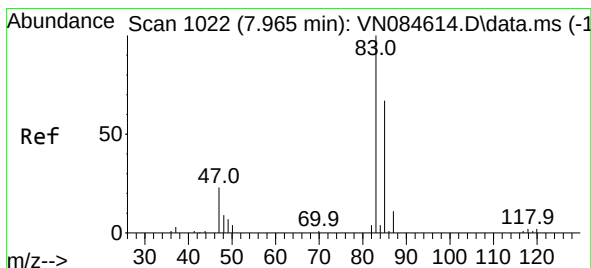
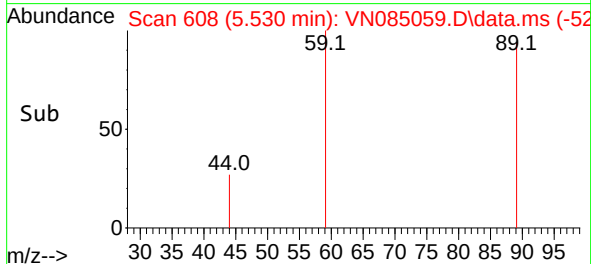
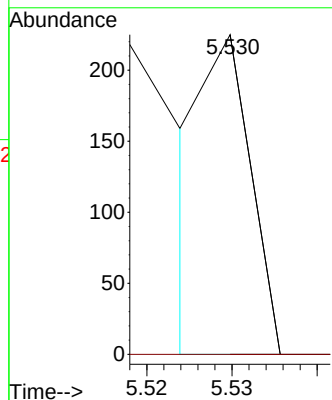


#23
tert-Butyl Alcohol
Concen: 0.312 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :

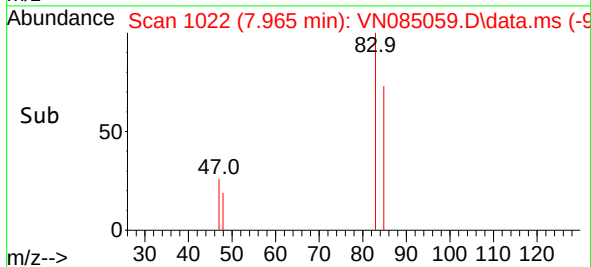
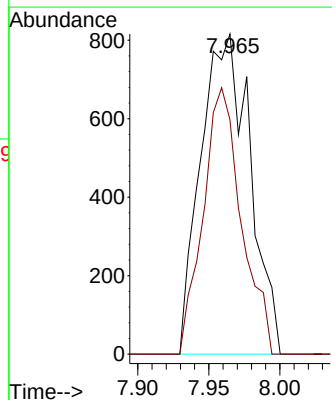
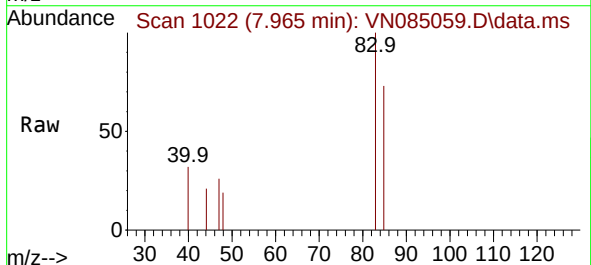


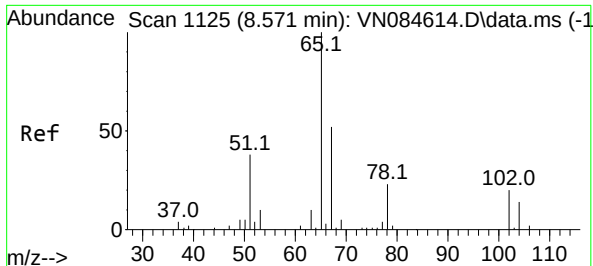
Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.657 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Tgt Ion: 83 Resp: 1964
Ion Ratio Lower Upper
83 100
85 73.2 53.4 80.2

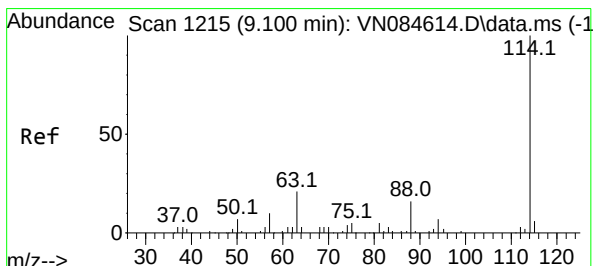
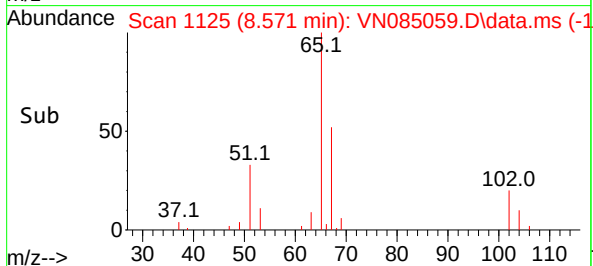
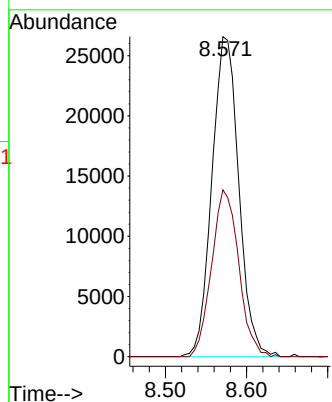
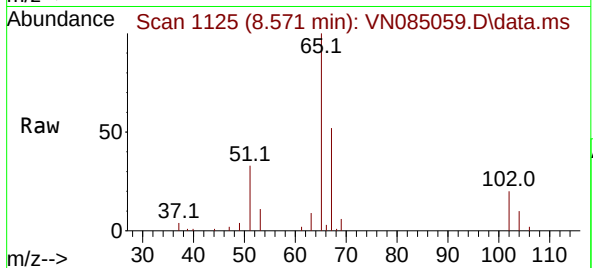




#27
 1,2-Dichloroethane-d4
 Concen: 31.125 ug/l
 RT: 8.571 min Scan# 1125
 Delta R.T. -0.000 min
 Lab File: VN085059.D
 Acq: 27 Nov 2024 15:07

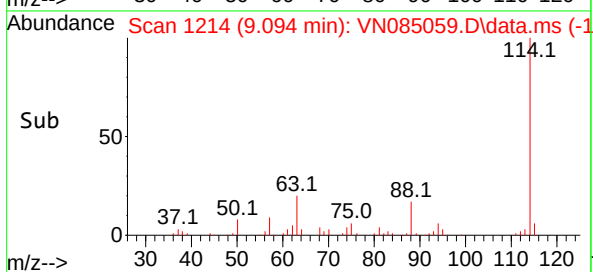
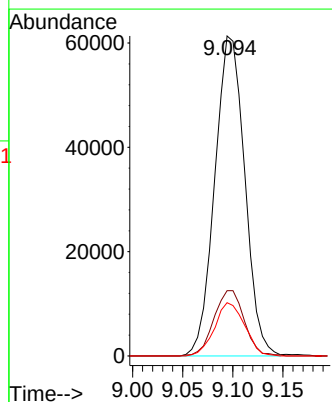
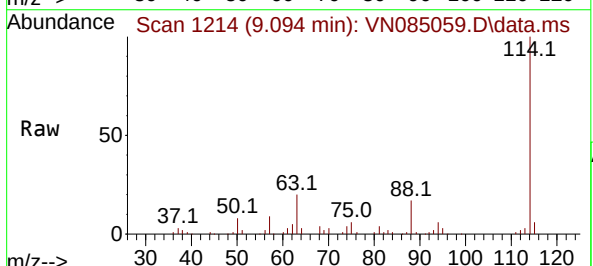
Instrument :
 MSVOA_N
 ClientSampleId :

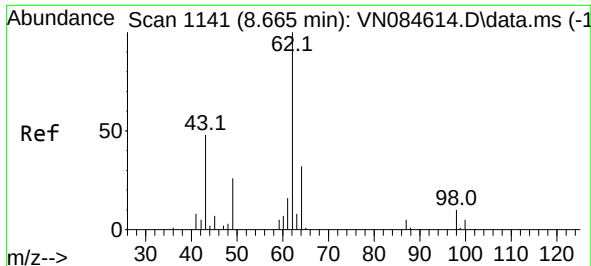
Tgt Ion: 65 Resp: 61032
 Ion Ratio Lower Upper
 65 100
 67 52.6 40.7 61.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN085059.D
 Acq: 27 Nov 2024 15:07

Tgt Ion: 114 Resp: 127521
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.8 25.2
 88 16.7 12.9 19.3

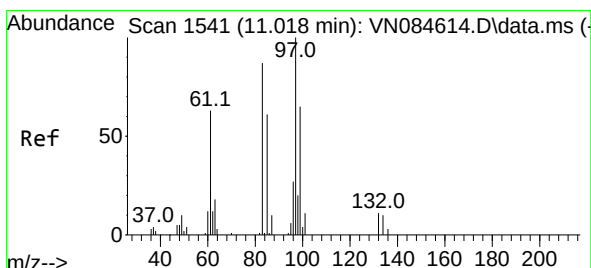
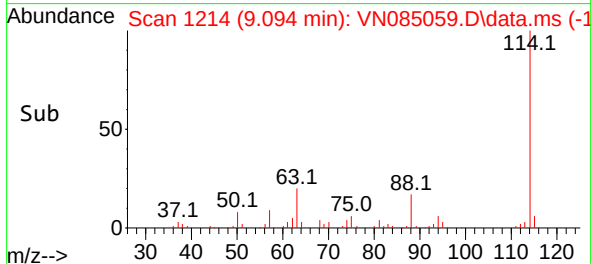
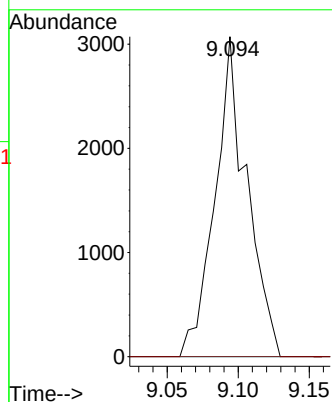
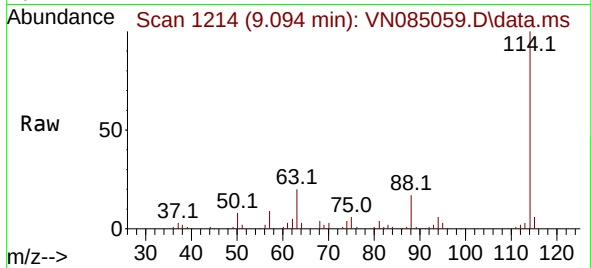




#36
1,2-Dichloroethane
Concen: 2.276 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.429 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

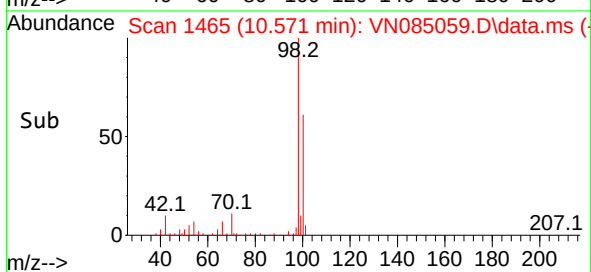
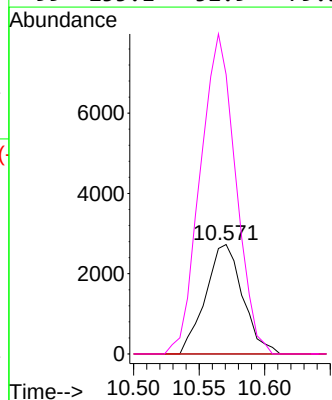
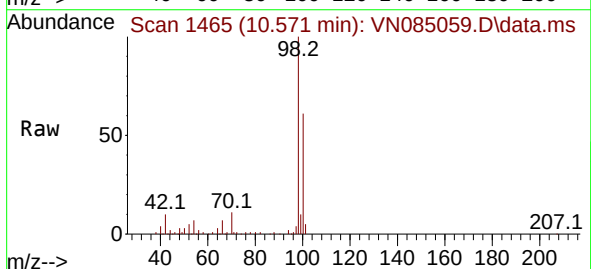
Instrument :
MSVOA_N
ClientSampleId :

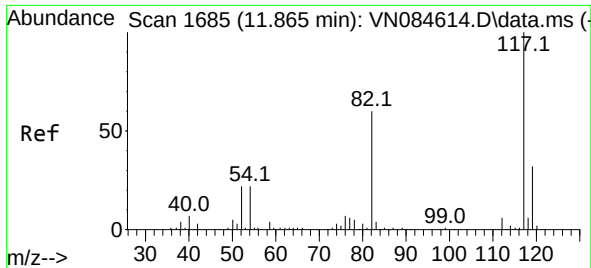
Tgt Ion: 62 Resp: 4806
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



#50
1,1,2-Trichloroethane
Concen: 3.749 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

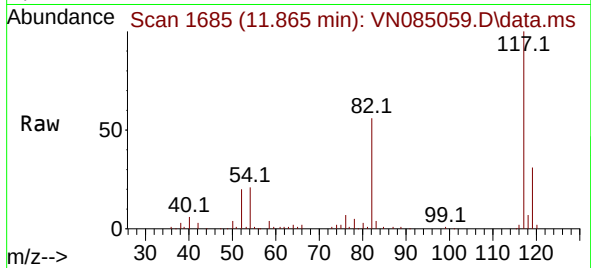
Tgt Ion: 97 Resp: 5376
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 48.6 73.0#
99 255.1 52.9 79.3#



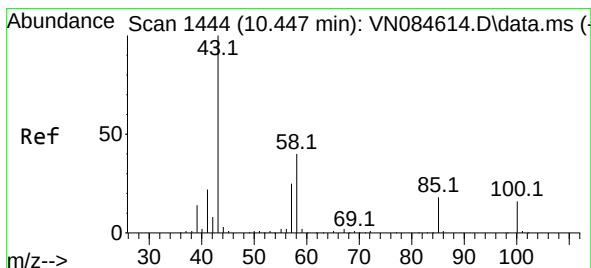
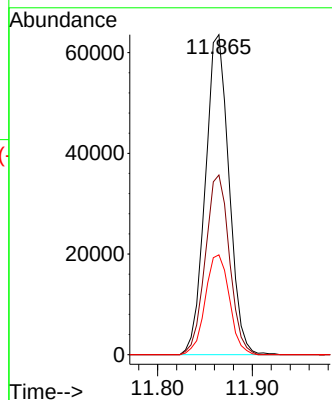
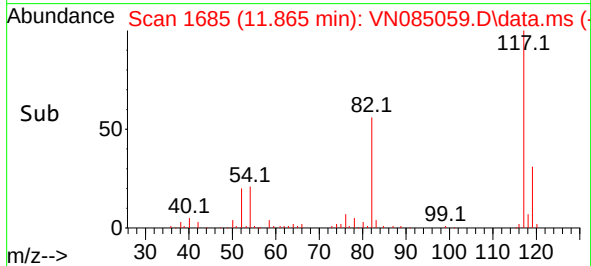


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 110334
Delta R.T. -0.000 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

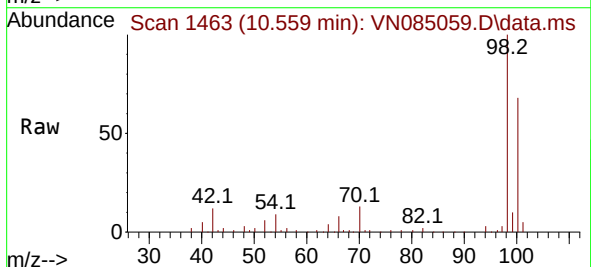
Instrument :
MSVOA_N
ClientSampleId :



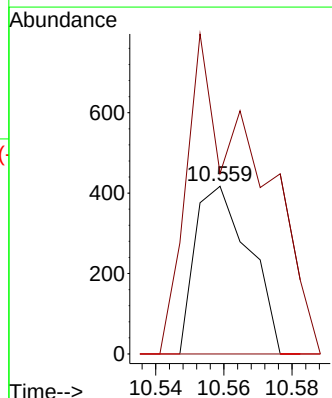
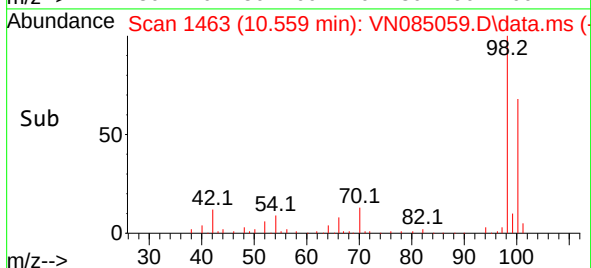
Tgt Ion:117 Resp: 110334
Ion Ratio Lower Upper
117 100
82 57.2 45.5 68.3
119 31.8 25.3 37.9

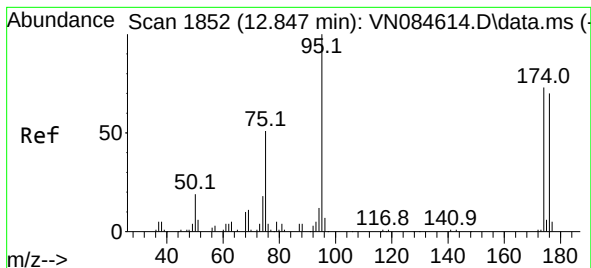


#58
4-Methyl-2-Pentanone
Concen: 0.265 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07



Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 116.5 31.2 46.8#
85 0.0 14.9 22.3#

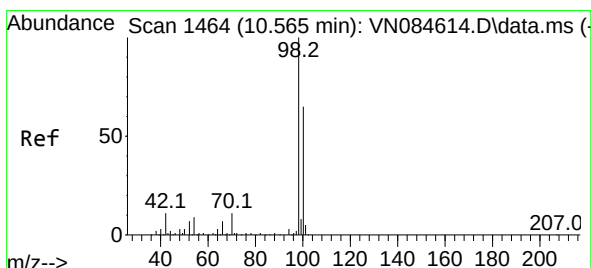
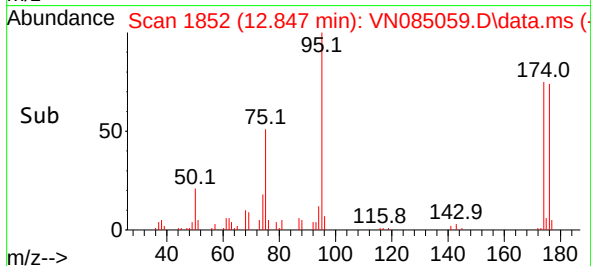
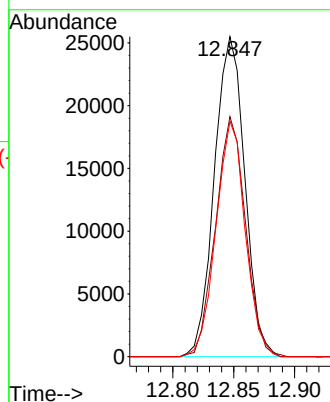
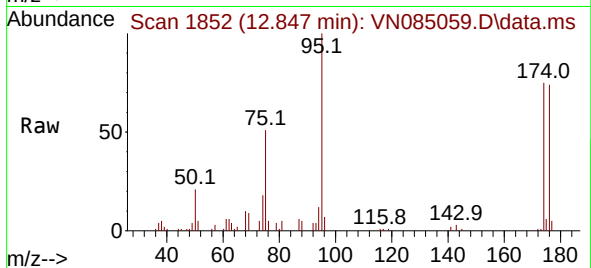




#60
4-Bromofluorobenzene
Concen: 23.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

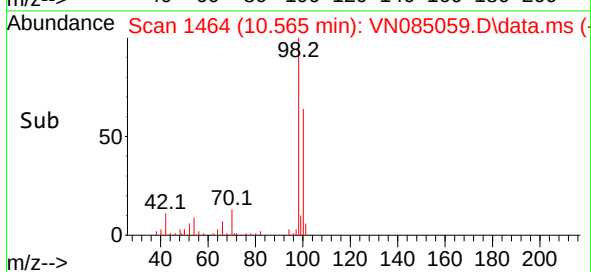
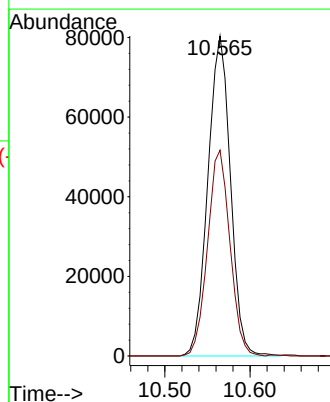
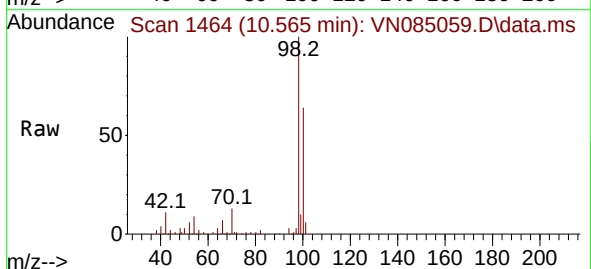
Instrument :
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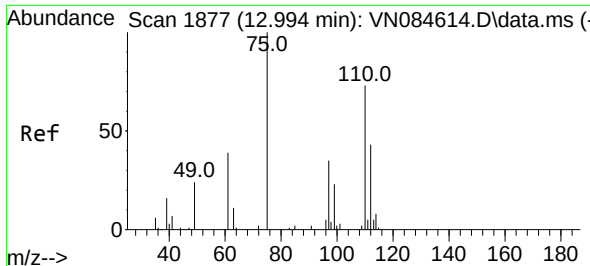
Tgt Ion: 95 Resp: 44319
Ion Ratio Lower Upper
95 100
174 74.0 59.6 89.4
176 70.7 58.6 88.0



#63
Toluene-d8
Concen: 28.297 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Tgt Ion: 98 Resp: 147800
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2

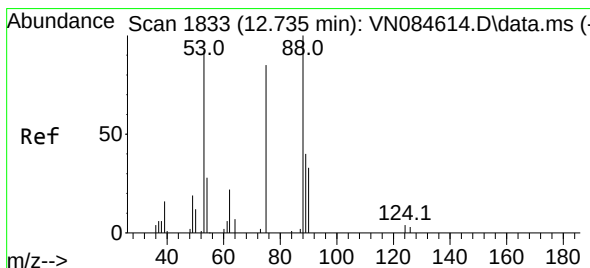
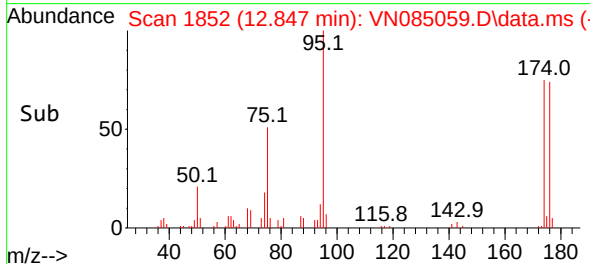
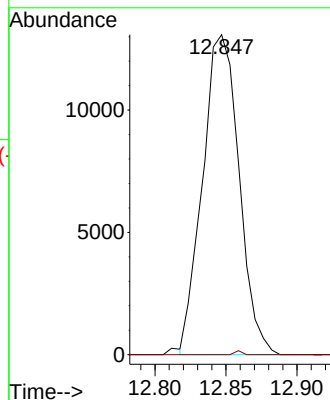
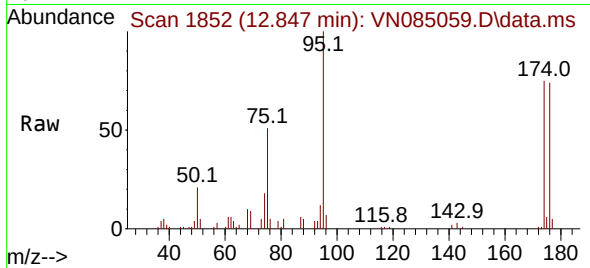




#72
1,2,3-Trichloropropane
Concen: 13.976 ug/l
RT: 12.847 min Scan# 1846
Delta R.T. -0.147 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 23437
Ion Ratio Lower Upper
75 100
77 0.0 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 0.249 ug/l
RT: 12.812 min Scan# 1846
Delta R.T. 0.076 min
Lab File: VN085059.D
Acq: 27 Nov 2024 15:07

Tgt Ion: 75 Resp: 171
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

