

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085031.D
 Acq On : 25 Nov 2024 16:30
 Operator : JC\MD
 Sample : P4997-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 05:54:26 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)

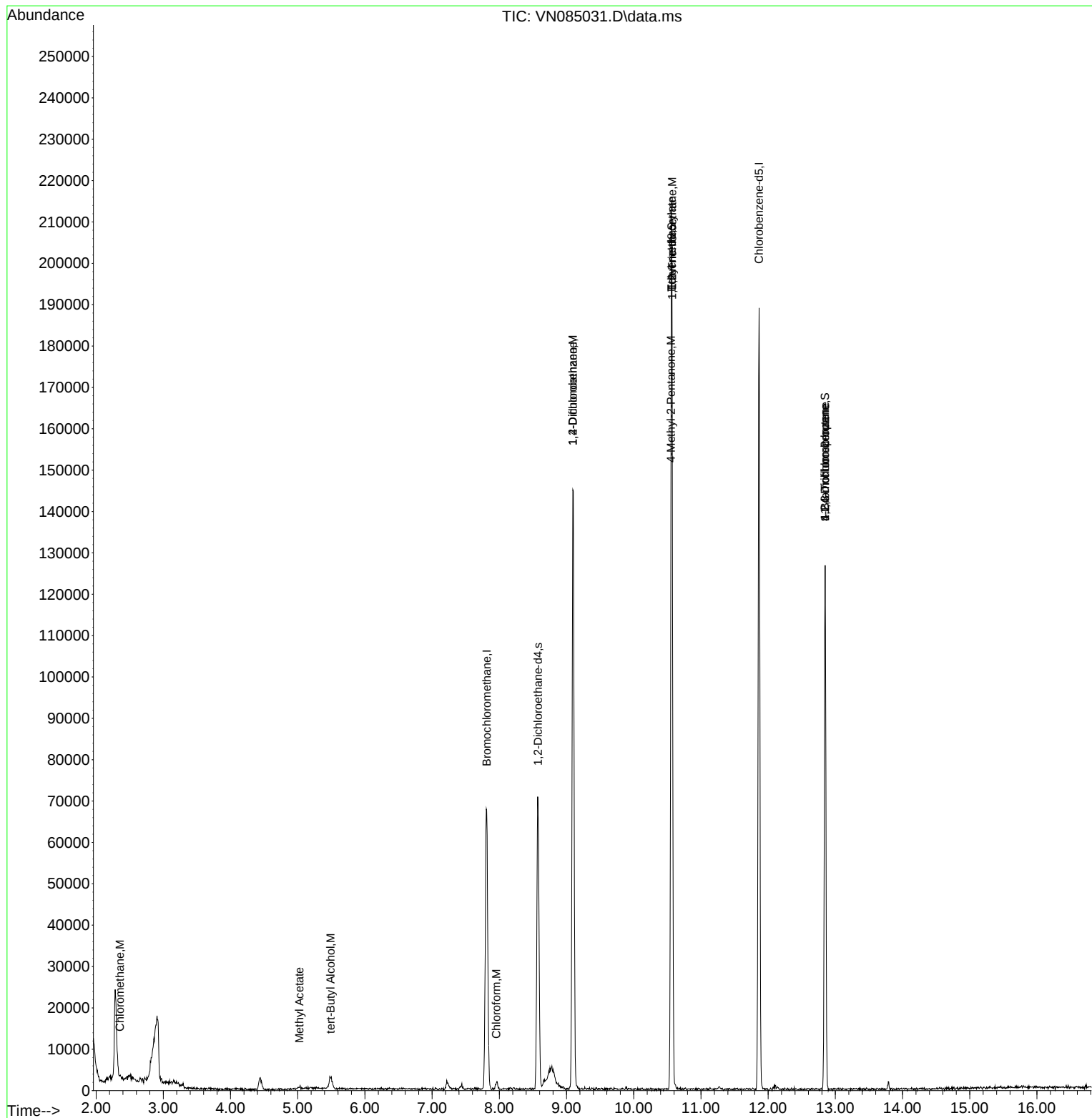
Internal Standards						
1) Bromochloromethane	7.812	128	25312	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	123987	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	109090	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	61695	30.318	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.067%
60) 4-Bromofluorobenzene	12.847	95	44621	23.755	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.200%
63) Toluene-d8	10.565	98	146822	28.430	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	411	0.232	ug/l #	43
12) Methyl Acetate	5.024	43	519	0.226	ug/l #	52
23) tert-Butyl Alcohol	5.489	59	2231	8.496	ug/l #	100
25) Chloroform	7.953	83	1027	0.331	ug/l	100
36) 1,2-Dichloroethane	9.094	62	4757	2.317	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	5090	3.650	ug/l #	1
51) Ethyl methacrylate	10.565	69	520	0.242	ug/l #	77
58) 4-Methyl-2-Pentanone	10.553	43	456	0.265	ug/l #	43
72) 1,2,3-Trichloropropane	12.847	75	23241	14.017	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	23241	34.178	ug/l #	7

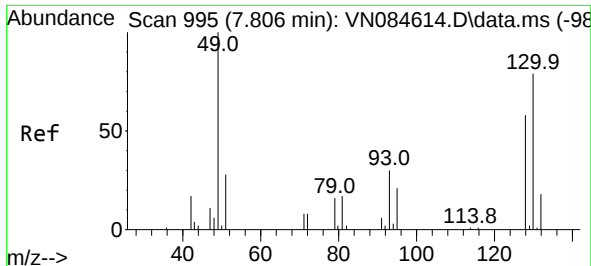
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
Data File : VN085031.D
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Sample : P4997-03 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

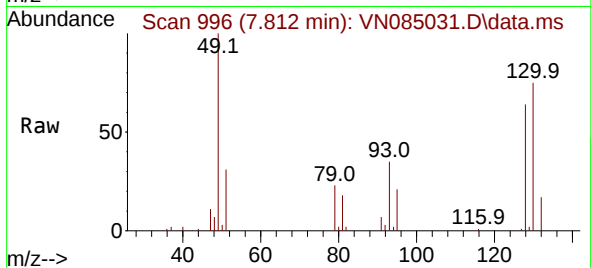
Quant Time: Nov 26 05:54:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



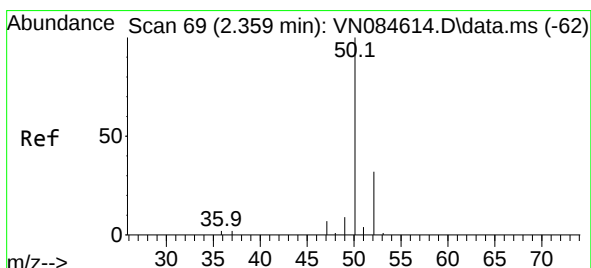
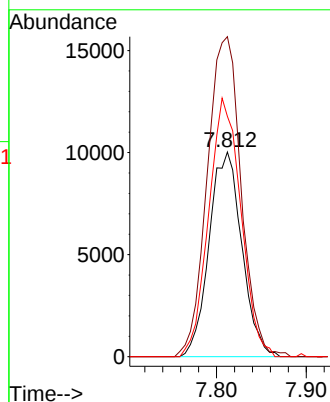
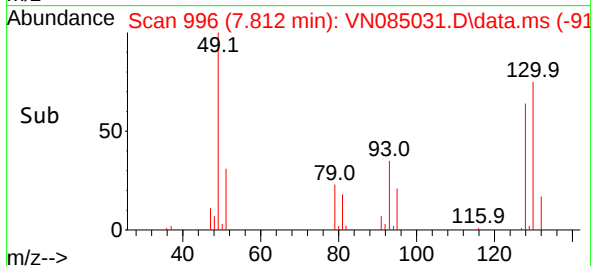


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

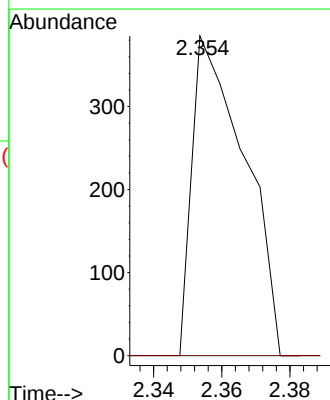
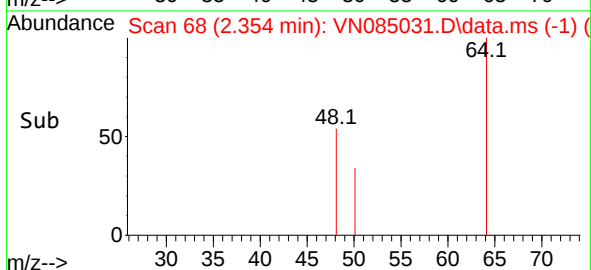
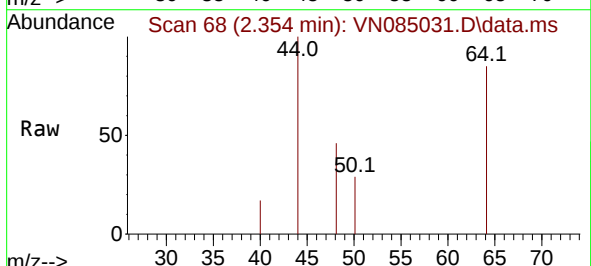


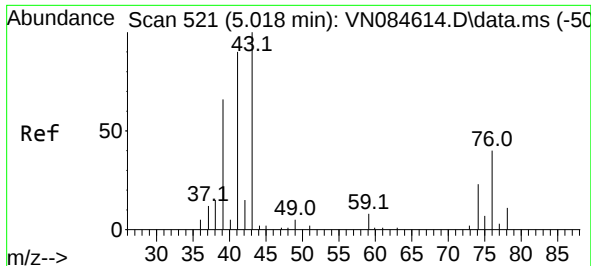
Tgt Ion:128 Resp: 25312
Ion Ratio Lower Upper
128 100
49 161.8 0.0 427.0
130 124.8 0.0 322.2



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

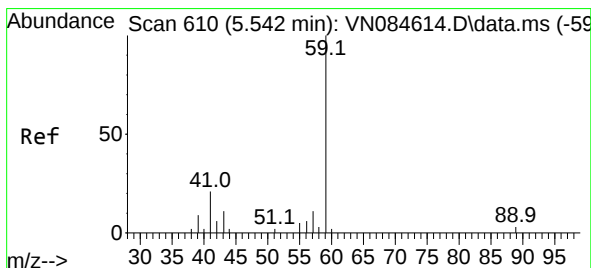
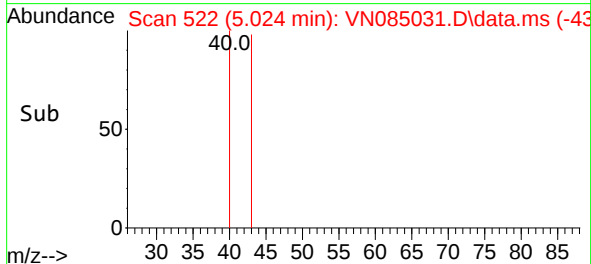
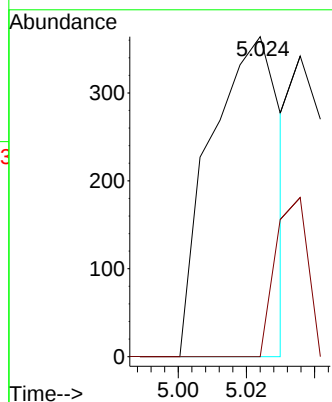
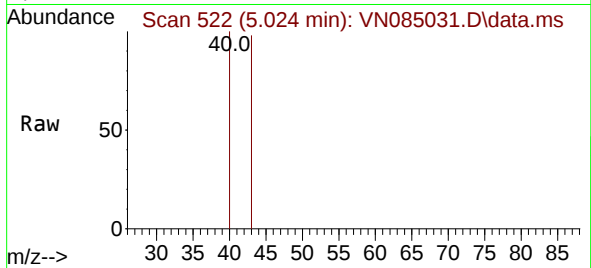




#12
Methyl Acetate
Concen: 0.226 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

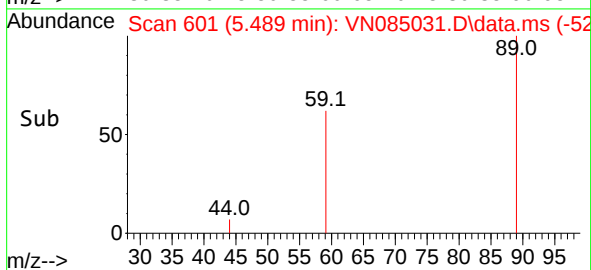
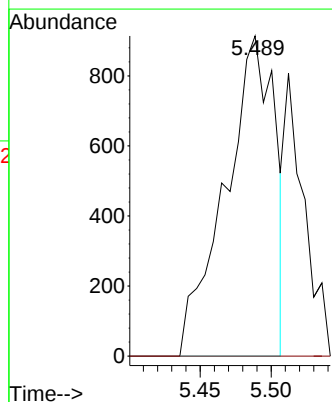
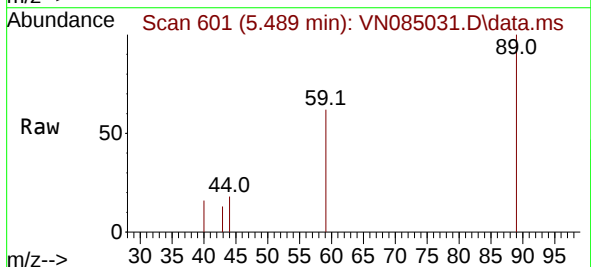
Instrument :
MSVOA_N
ClientSampleId :

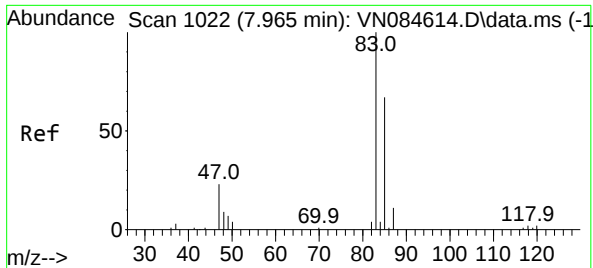
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#23
tert-Butyl Alcohol
Concen: 8.496 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.053 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Tgt Ion: 59 Resp: 2231
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

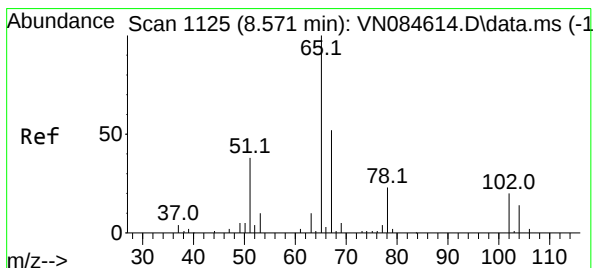
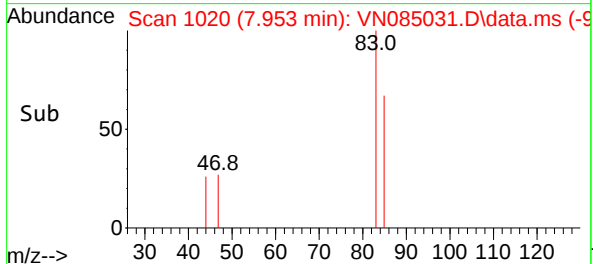
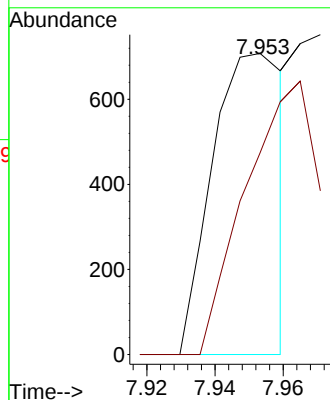
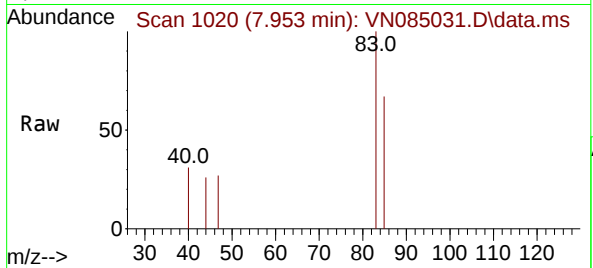




#25
Chloroform
Concen: 0.331 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.012 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

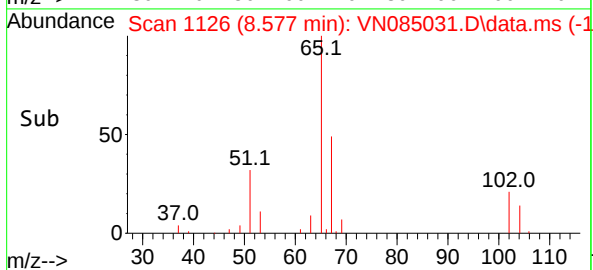
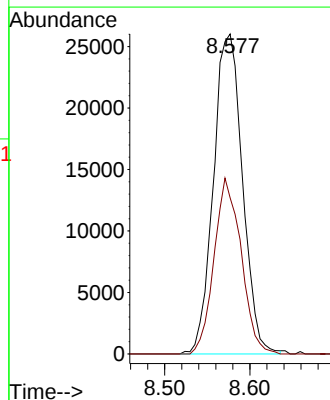
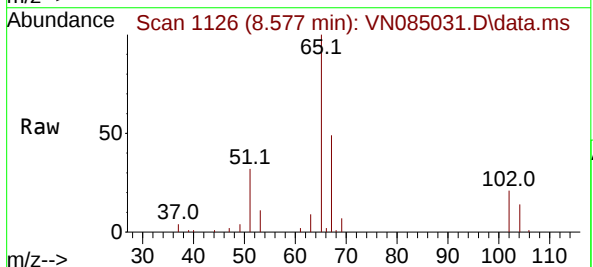
Instrument :
MSVOA_N
ClientSampleId :

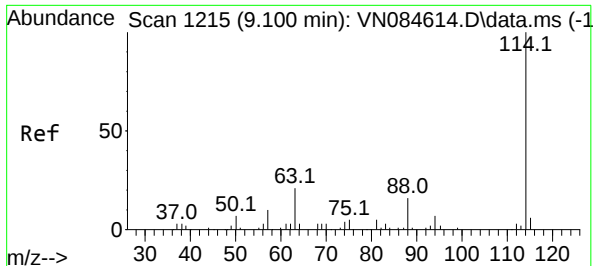
Tgt Ion: 83 Resp: 1027
Ion Ratio Lower Upper
83 100
85 66.9 53.4 80.2



#27
1,2-Dichloroethane-d4
Concen: 30.318 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Tgt Ion: 65 Resp: 61695
Ion Ratio Lower Upper
65 100
67 51.2 40.7 61.1

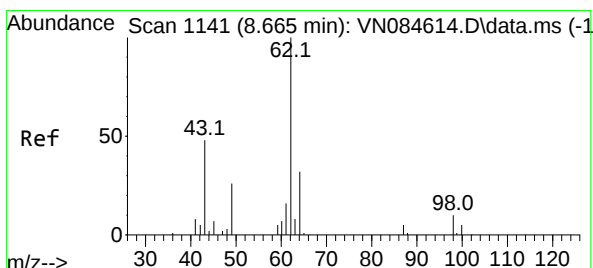
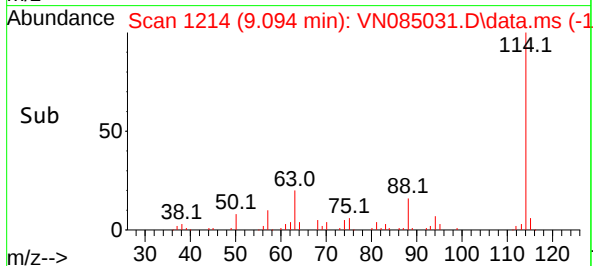
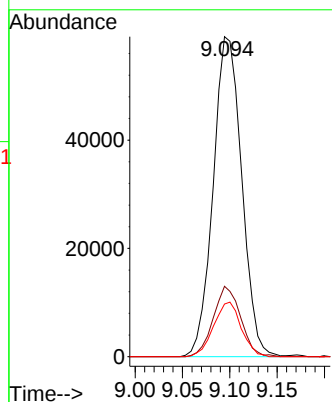
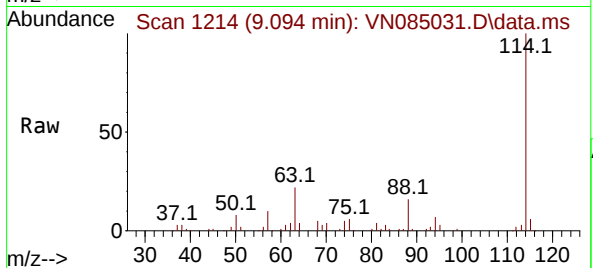




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

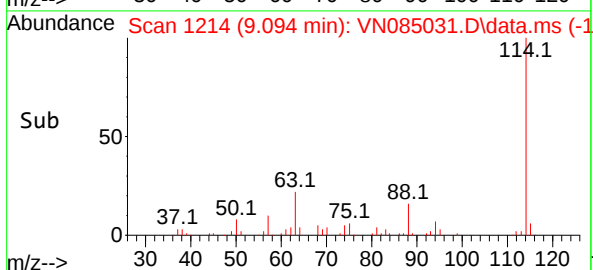
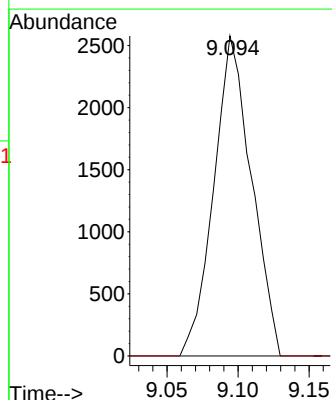
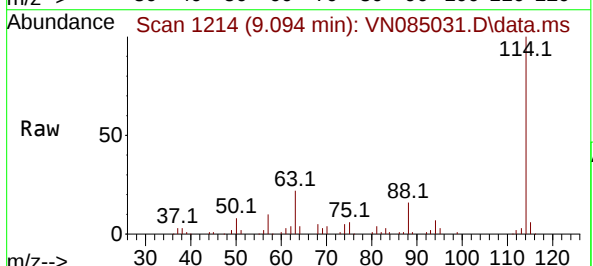
Instrument :
MSVOA_N
ClientSampleId :

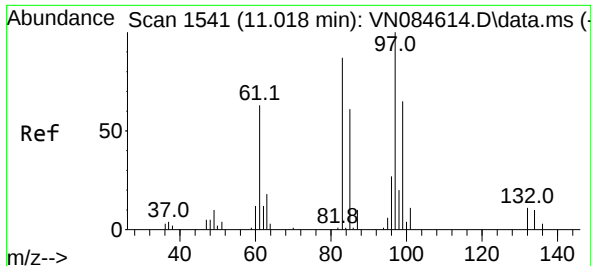
Tgt Ion:114 Resp: 123987
Ion Ratio Lower Upper
114 100
63 20.9 16.8 25.2
88 16.5 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.317 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.429 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

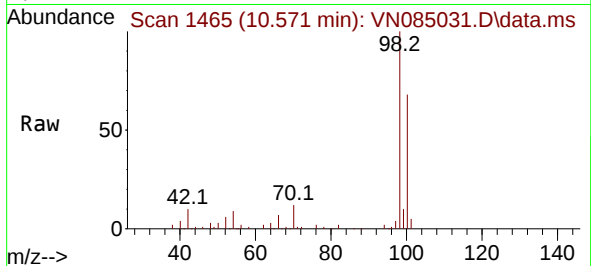
Tgt Ion: 62 Resp: 4757
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



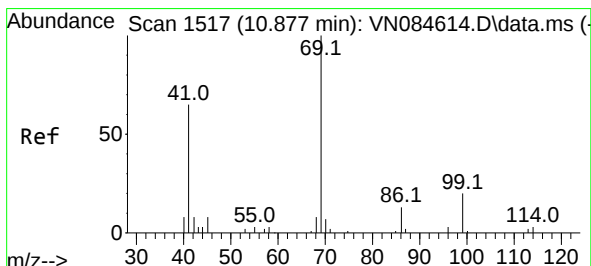
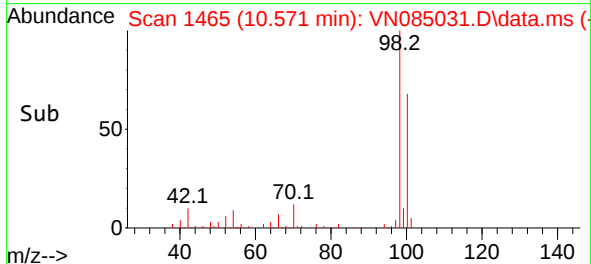
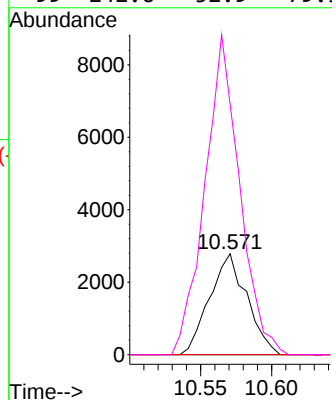


#50
1,1,2-Trichloroethane
Concen: 3.650 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

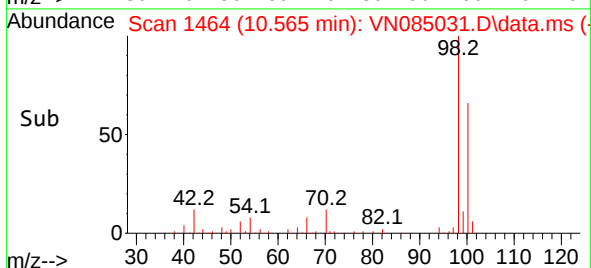
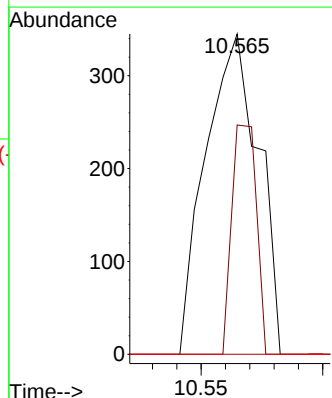
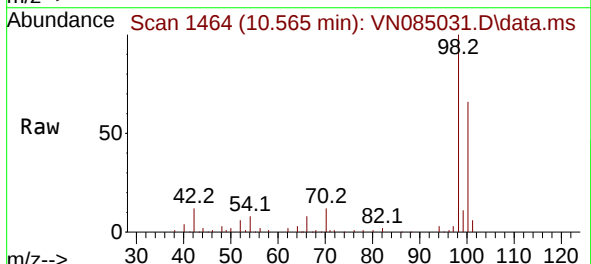


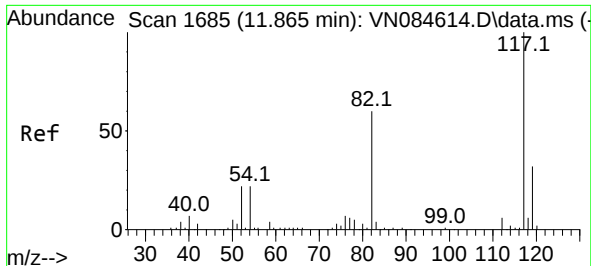
Tgt Ion:	97	Resp:	5090
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	0.0	48.6	73.0#
99	242.6	52.9	79.3#



#51
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Tgt Ion:	69	Resp:	520
Ion	Ratio	Lower	Upper
69	100		
41	71.6	32.8	98.3
39	0.0	15.4	46.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085031.D

Acq: 25 Nov 2024 16:30

Instrument :

MSVOA_N

ClientSampleId :

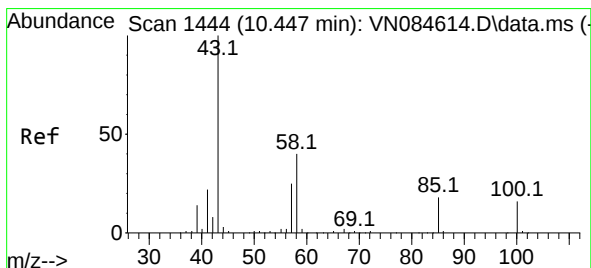
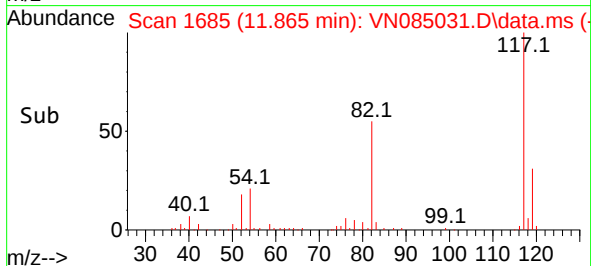
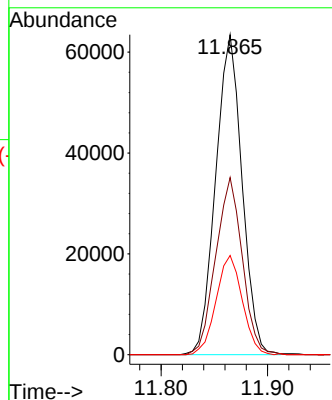
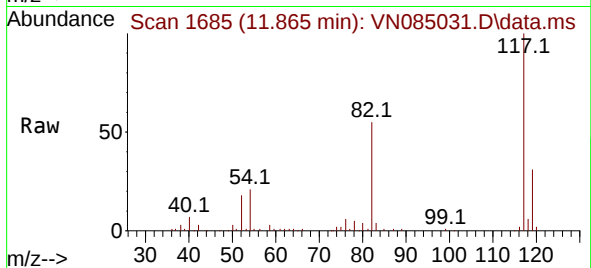
Tgt Ion:117 Resp: 109090

Ion Ratio Lower Upper

117 100

82 55.7 45.5 68.3

119 30.8 25.3 37.9



#58

4-Methyl-2-Pentanone

Concen: 0.265 ug/l

RT: 10.553 min Scan# 1462

Delta R.T. 0.106 min

Lab File: VN085031.D

Acq: 25 Nov 2024 16:30

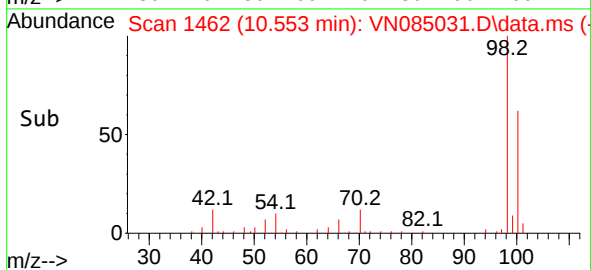
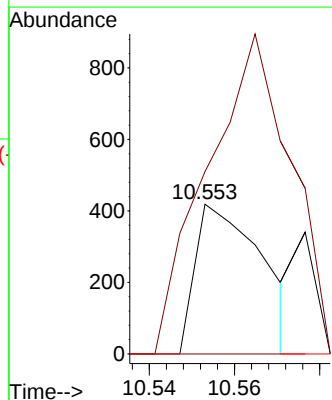
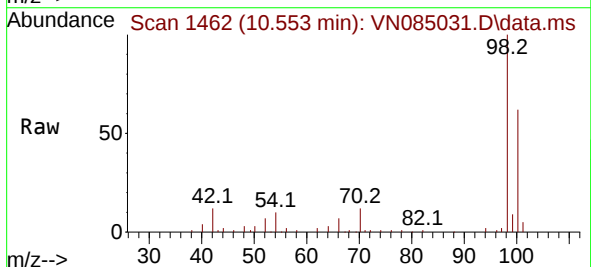
Tgt Ion: 43 Resp: 456

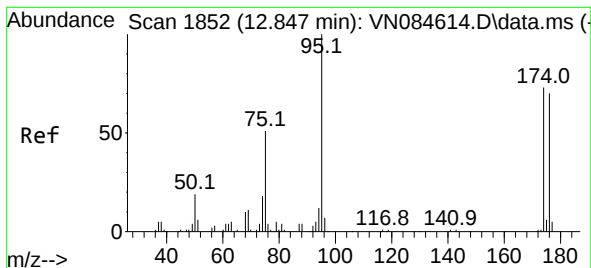
Ion Ratio Lower Upper

43 100

58 0.0 31.2 46.8#

85 0.0 14.9 22.3#

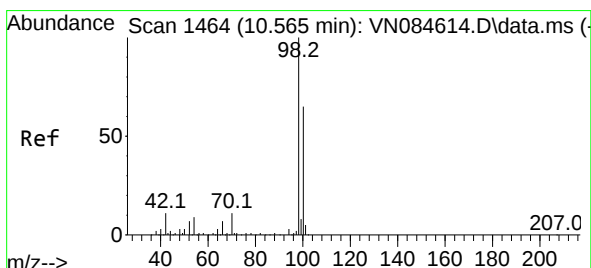
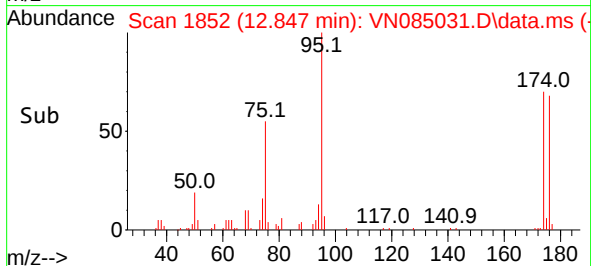
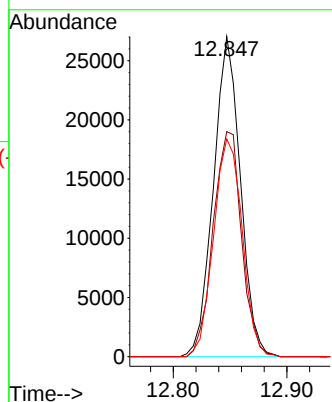
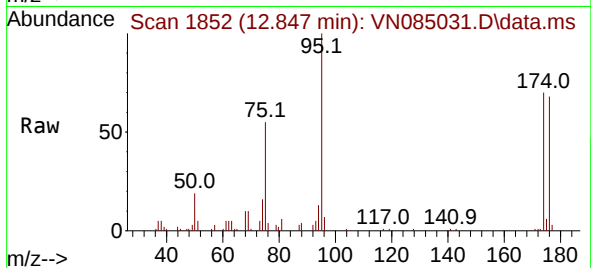




#60
 4-Bromofluorobenzene
 Concen: 23.755 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN085031.D
 Acq: 25 Nov 2024 16:30

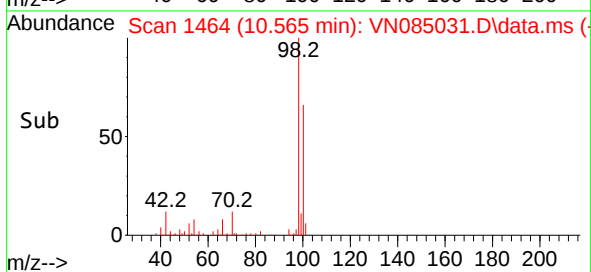
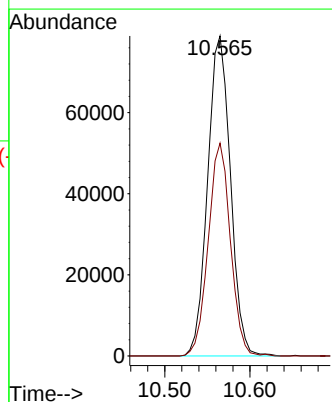
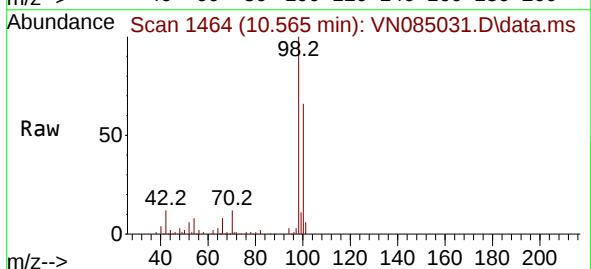
Instrument :
 MSVOA_N
 ClientSampleId :

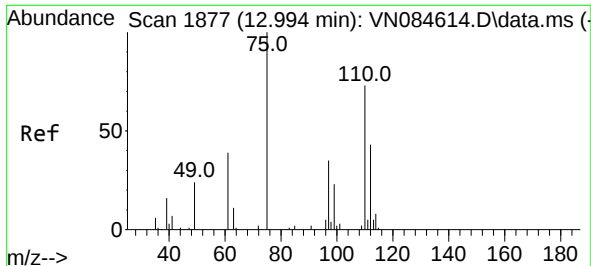
Tgt Ion: 95 Resp: 44621
 Ion Ratio Lower Upper
 95 100
 174 74.2 59.6 89.4
 176 72.2 58.6 88.0



#63
 Toluene-d8
 Concen: 28.430 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. 0.000 min
 Lab File: VN085031.D
 Acq: 25 Nov 2024 16:30

Tgt Ion: 98 Resp: 146822
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.2 78.2

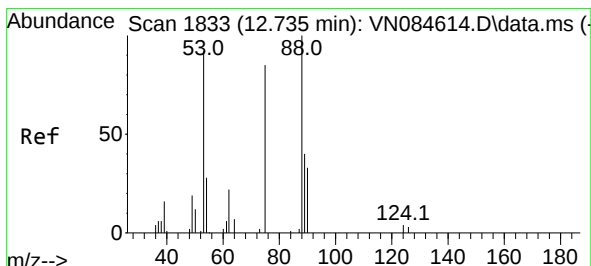
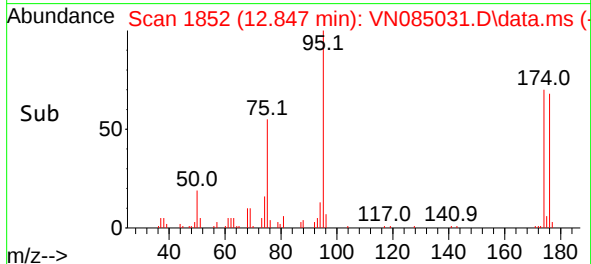
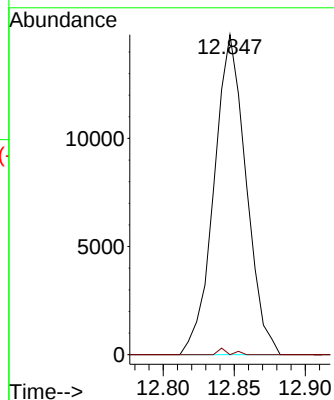
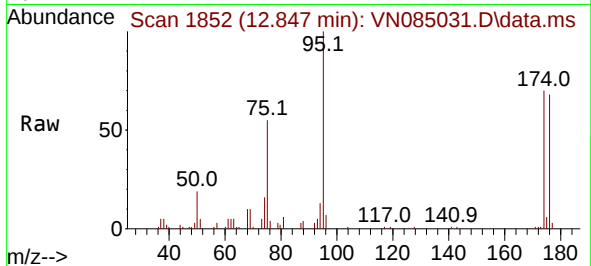




#72
1,2,3-Trichloropropane
Concen: 14.017 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 23241
Ion Ratio Lower Upper
75 100
77 0.2 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085031.D
Acq: 25 Nov 2024 16:30

Tgt Ion: 75 Resp: 23241
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

