

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085058.D
 Acq On : 27 Nov 2024 14:44
 Operator : JC\MD
 Sample : P5018-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 05:33:58 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)

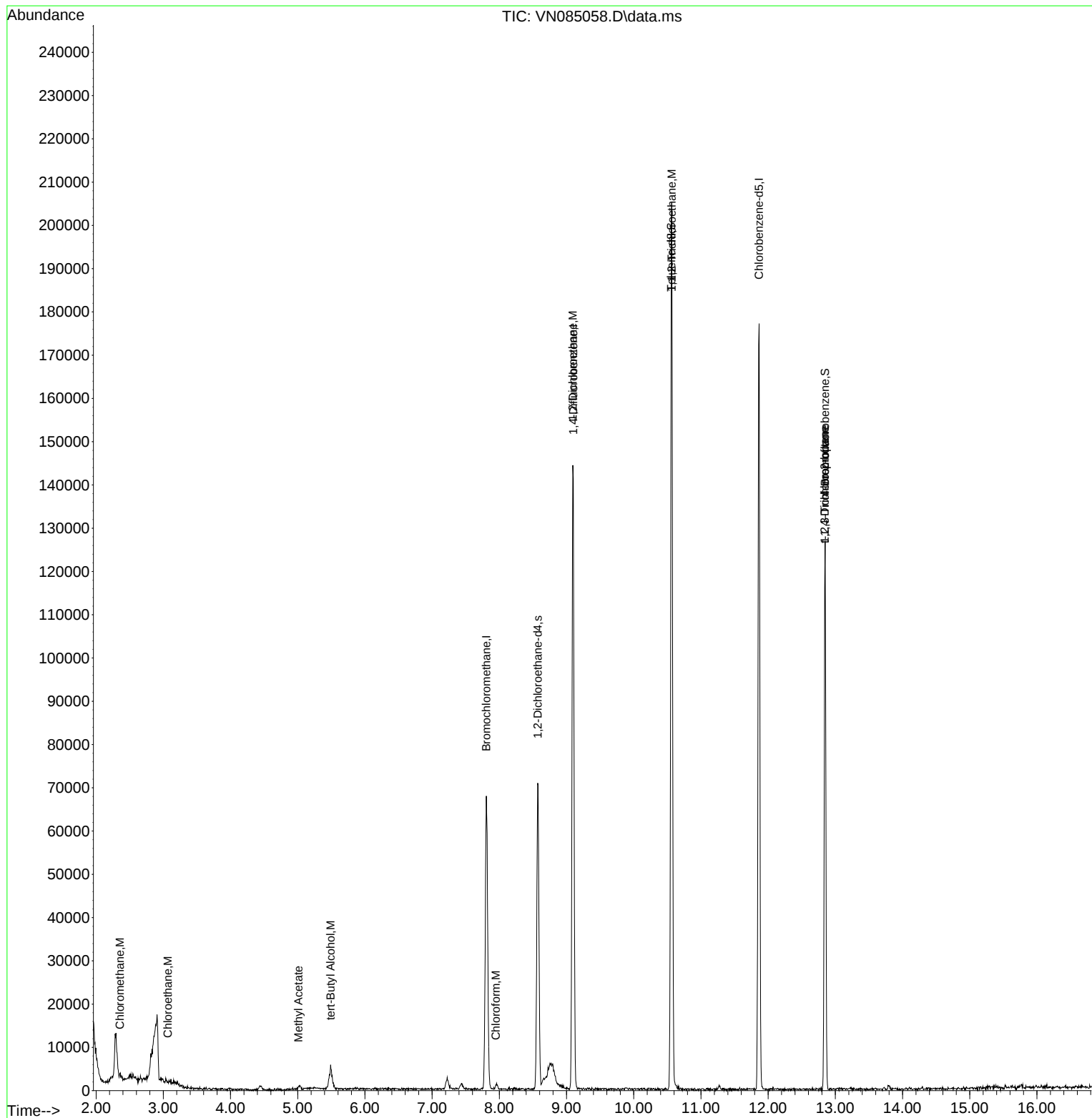
Internal Standards						
1) Bromochloromethane	7.806	128	24374	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	124625	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107923	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	59942	30.590	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.967%
60) 4-Bromofluorobenzene	12.847	95	44374	23.879	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.600%
63) Toluene-d8	10.559	98	146031	28.583	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	417	0.244	ug/l #	43
6) Chloroethane	3.065	64	325	0.312	ug/l #	47
12) Methyl Acetate	5.012	43	541	0.244	ug/l #	7
23) tert-Butyl Alcohol	5.489	59	2893	11.440	ug/l #	100
25) Chloroform	7.947	83	742	0.249	ug/l	84
36) 1,2-Dichloroethane	9.094	62	4455	2.159	ug/l #	74
50) 1,1,2-Trichloroethane	10.565	97	5370	3.832	ug/l #	1
72) 1,2,3-Trichloropropane	12.841	75	22945	13.989	ug/l	1
77) t-1,4-Dichloro-2-butene	12.841	75	22945	34.107	ug/l #	7

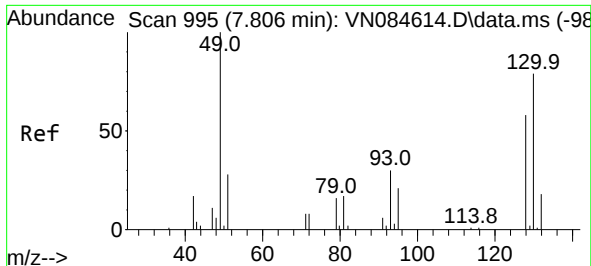
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
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MSVOA_N
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Quant Time: Nov 28 05:33:58 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

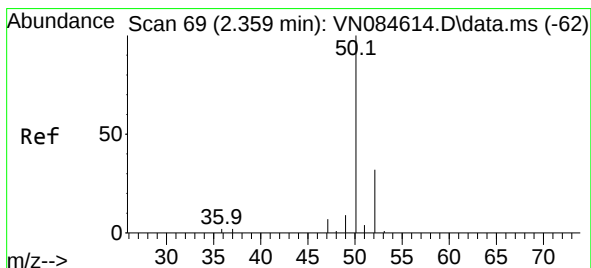
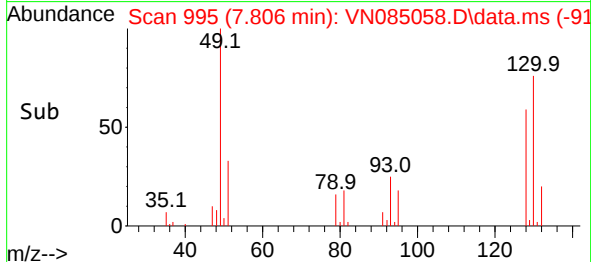
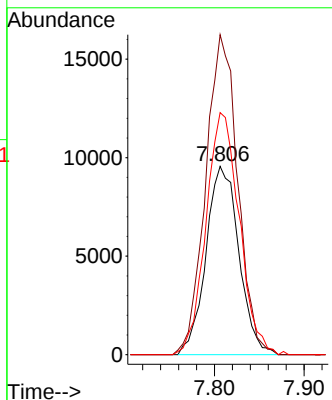
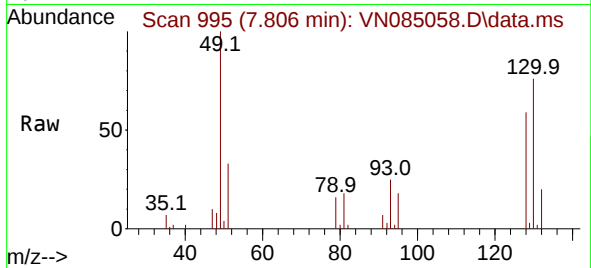




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

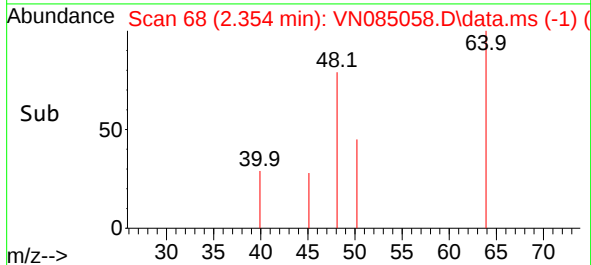
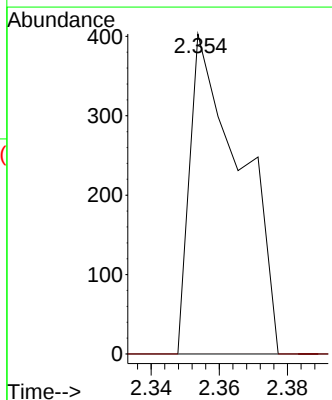
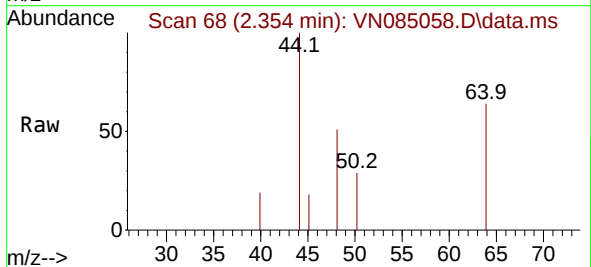
Instrument :
MSVOA_N
ClientSampleId :

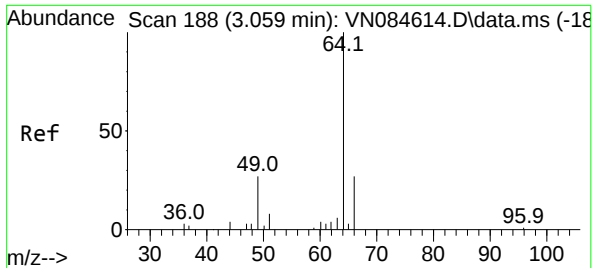
Tgt Ion:128 Resp: 24374
Ion Ratio Lower Upper
128 100
49 165.5 0.0 427.0
130 130.1 0.0 322.2



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

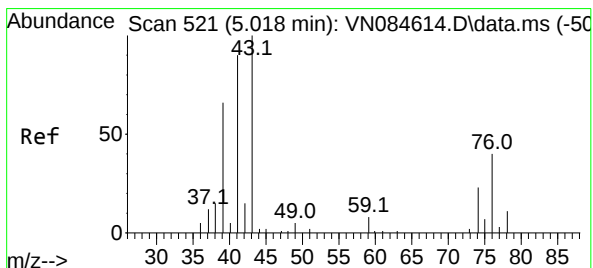
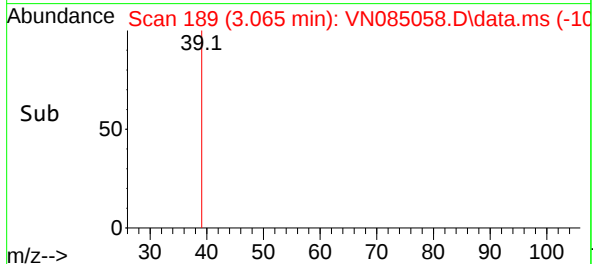
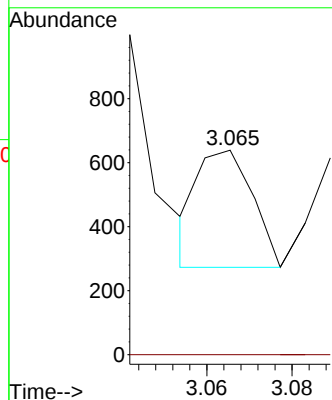
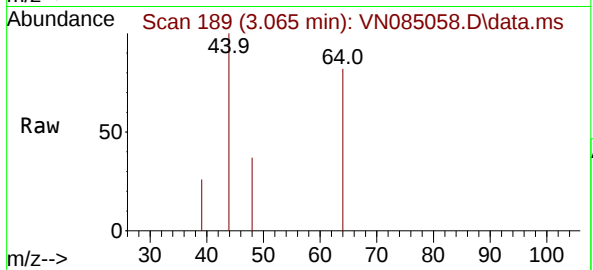




#6
Chloroethane
Concen: 0.312 ug/l
RT: 3.065 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

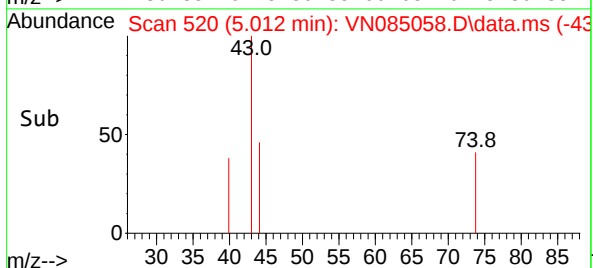
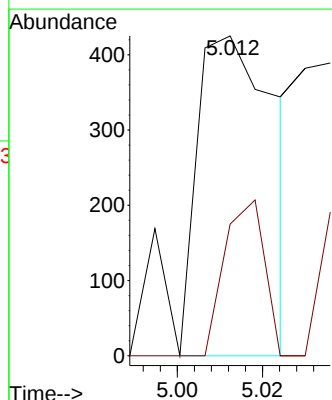
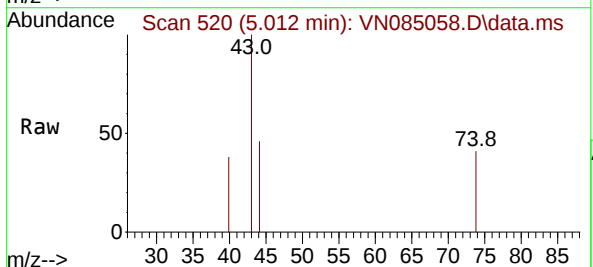
Instrument :
MSVOA_N
ClientSampleId :

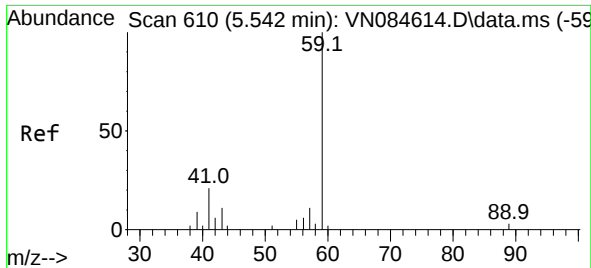
Tgt Ion: 64 Resp: 325
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



#12
Methyl Acetate
Concen: 0.244 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
74 69.2 19.0 28.4#

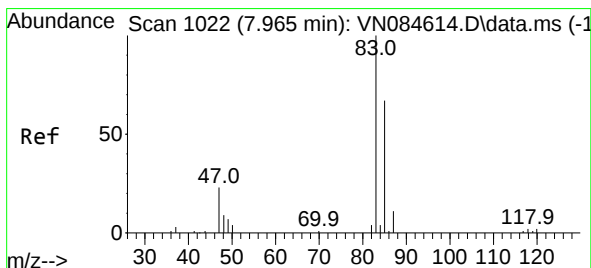
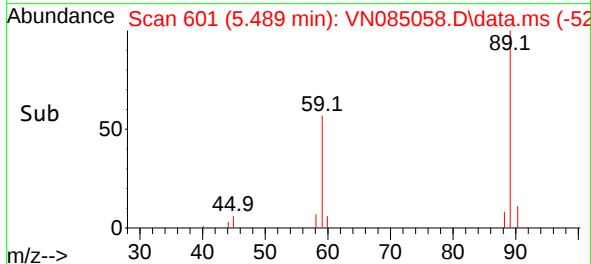
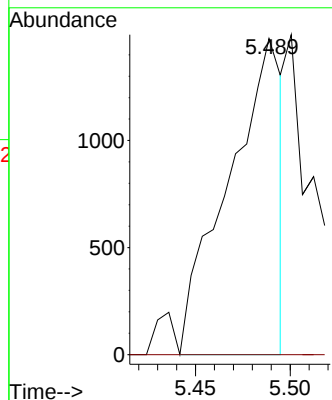
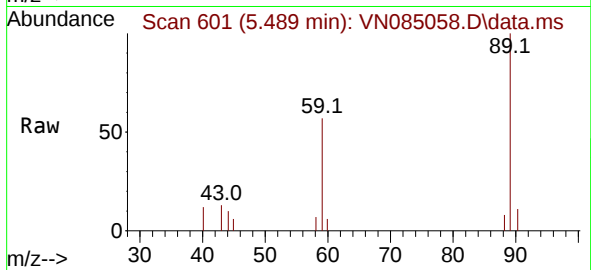




#23
tert-Butyl Alcohol
Concen: 11.440 ug/l
RT: 5.489 min Scan# 610
Delta R.T. -0.053 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

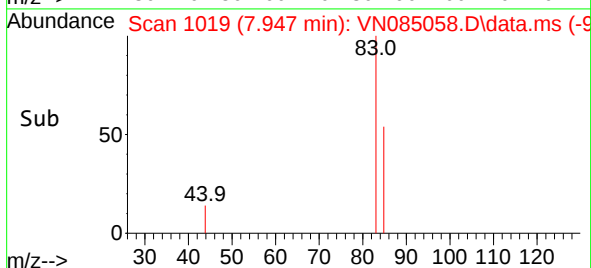
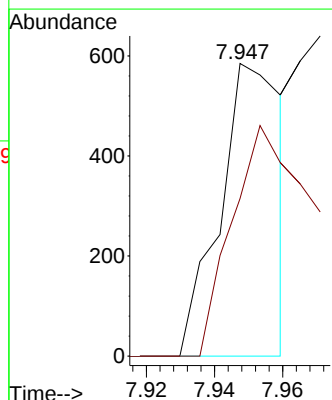
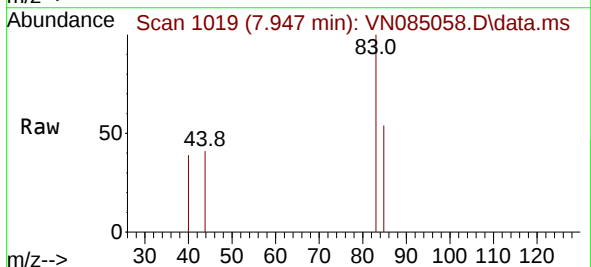
Instrument :
MSVOA_N
ClientSampleId :

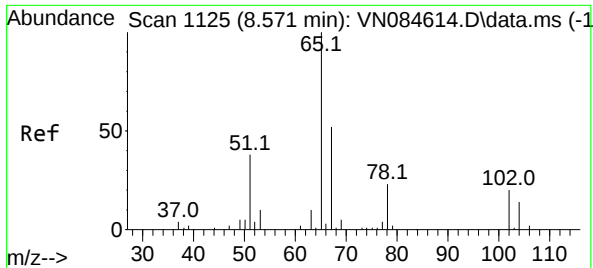
Tgt Ion: 59 Resp: 2893
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.249 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.018 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 83 Resp: 742
Ion Ratio Lower Upper
83 100
85 53.8 53.4 80.2

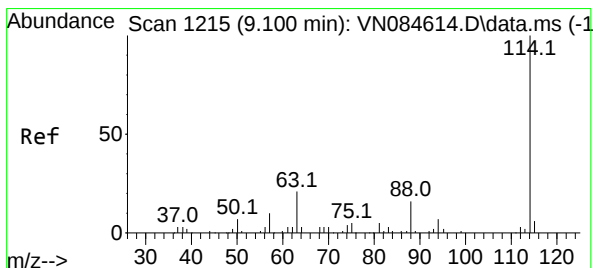
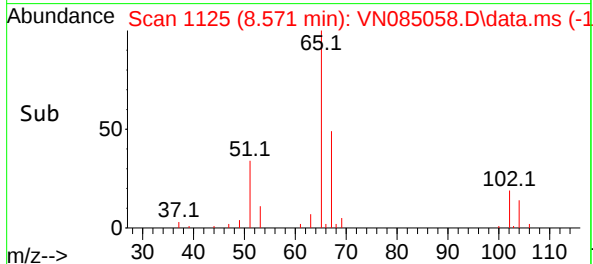
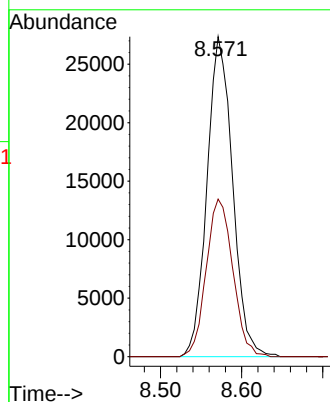
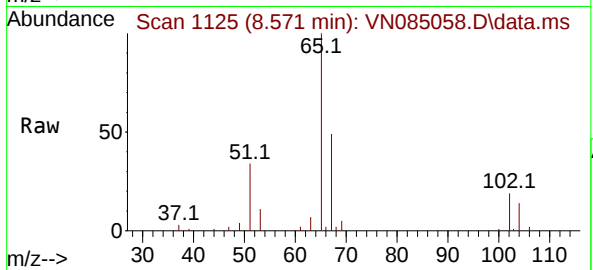




#27
1,2-Dichloroethane-d4
Concen: 30.590 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

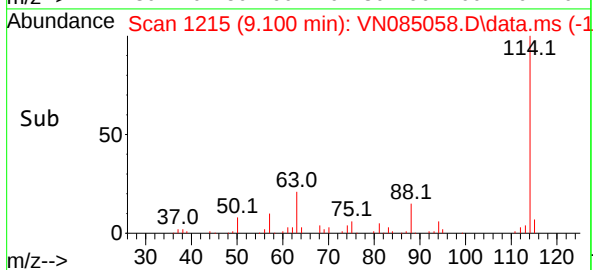
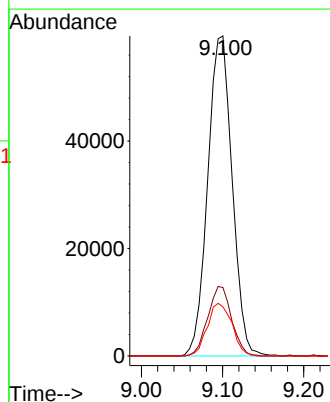
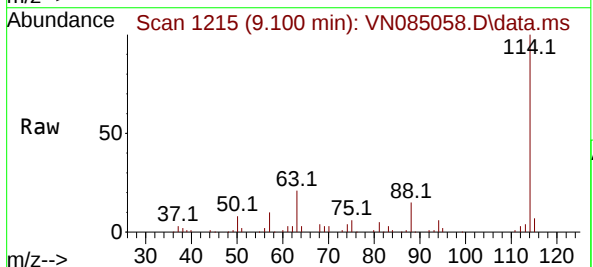
Instrument :
MSVOA_N
ClientSampleId :

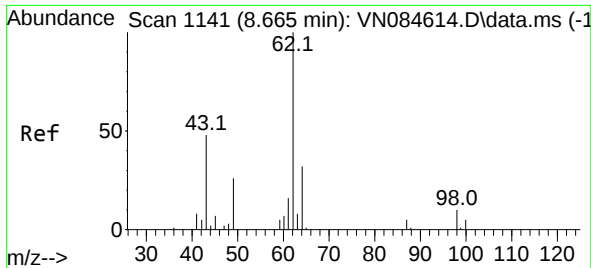
Tgt Ion: 65 Resp: 59942
Ion Ratio Lower Upper
65 100
67 51.1 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 114 Resp: 124625
Ion Ratio Lower Upper
114 100
63 21.1 16.8 25.2
88 16.6 12.9 19.3

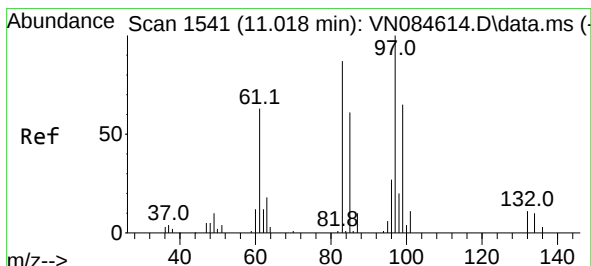
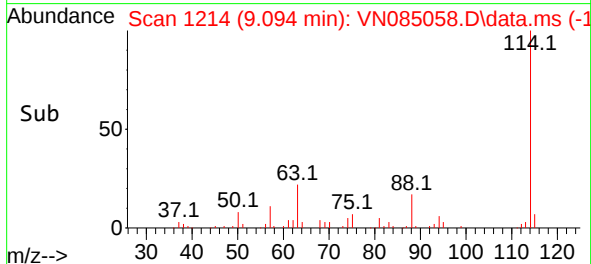
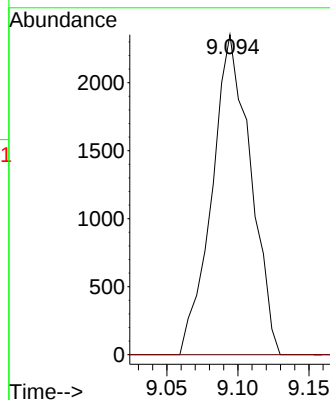
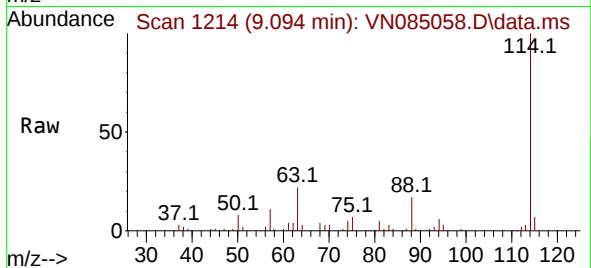




#36
1,2-Dichloroethane
Concen: 2.159 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.430 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

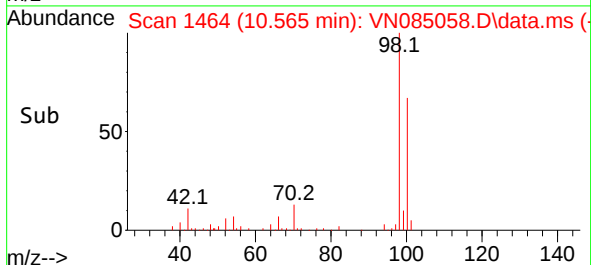
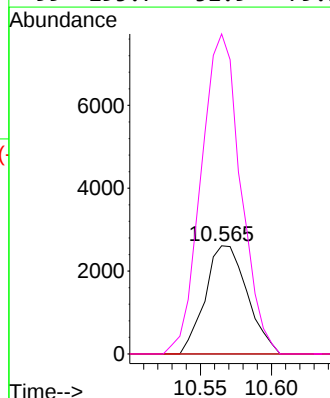
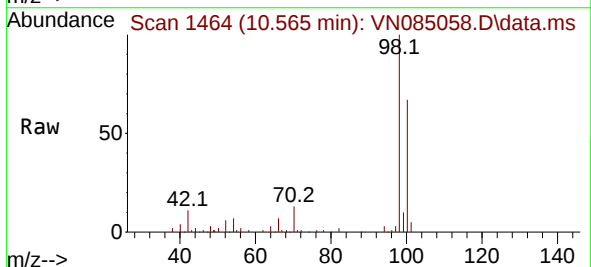
Instrument :
MSVOA_N
ClientSampleId :

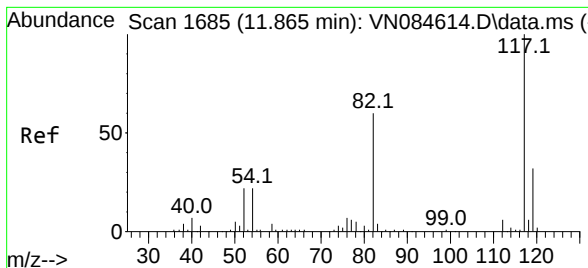
Tgt Ion: 62 Resp: 4455
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#



#50
1,1,2-Trichloroethane
Concen: 3.832 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.453 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 97 Resp: 5370
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 48.6 73.0#
99 295.7 52.9 79.3#

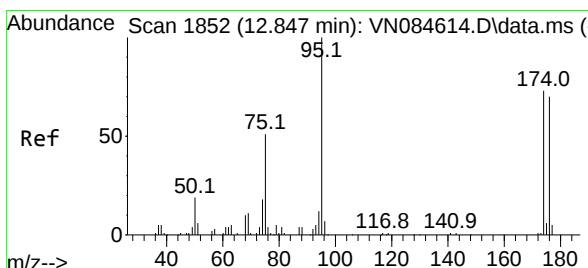
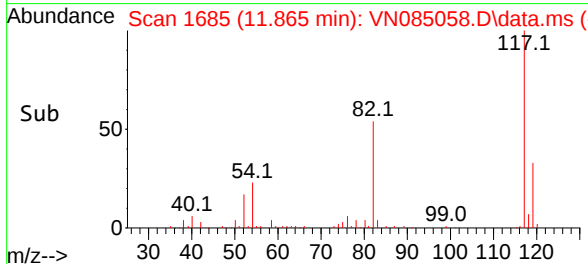
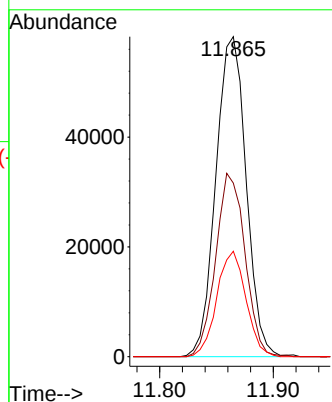
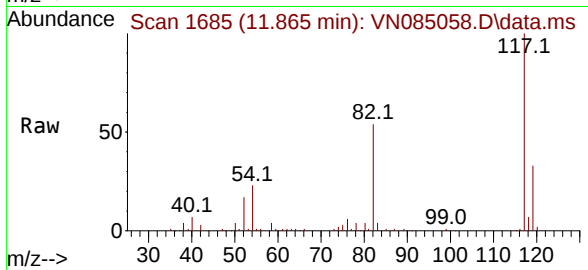




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

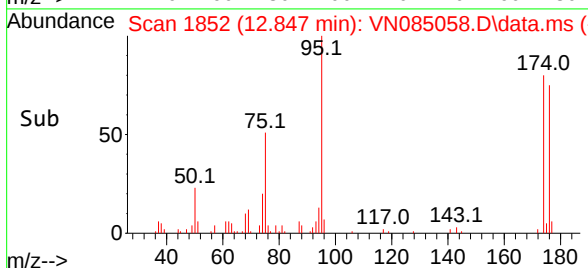
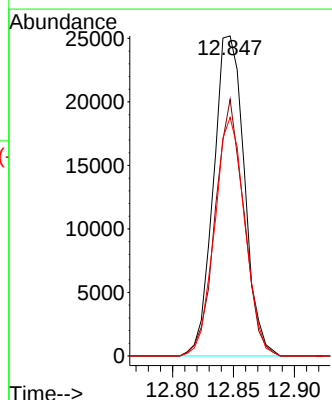
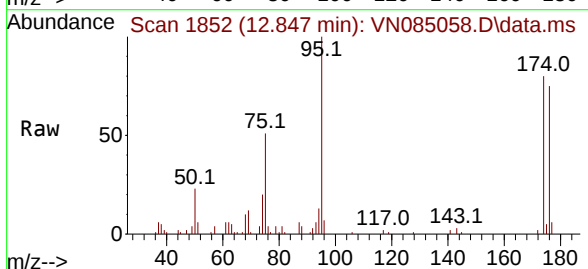
Instrument :
MSVOA_N
ClientSampleId :

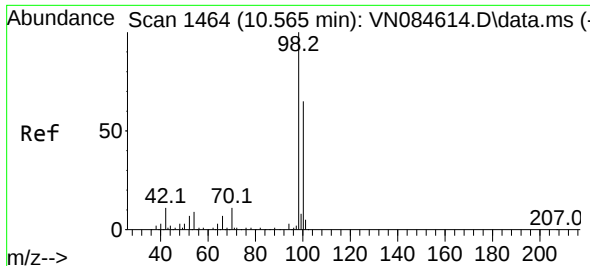
Tgt Ion:117 Resp: 107923
Ion Ratio Lower Upper
117 100
82 55.6 45.5 68.3
119 31.7 25.3 37.9



#60
4-Bromofluorobenzene
Concen: 23.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 95 Resp: 44374
Ion Ratio Lower Upper
95 100
174 74.3 59.6 89.4
176 73.1 58.6 88.0

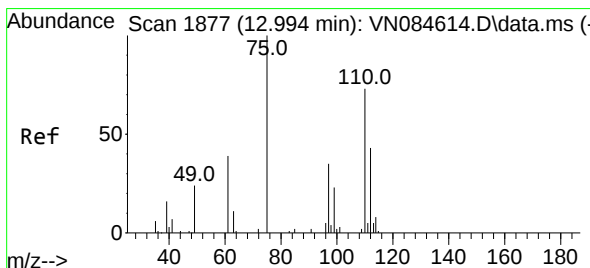
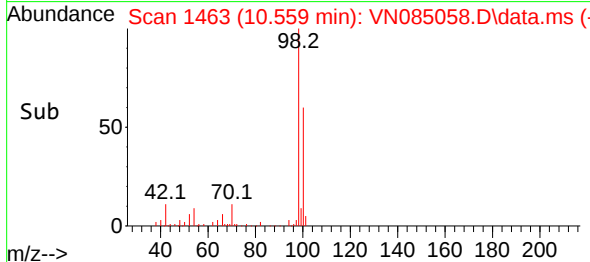
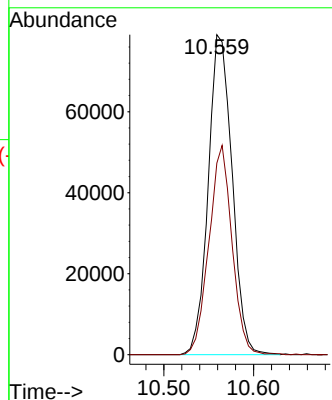
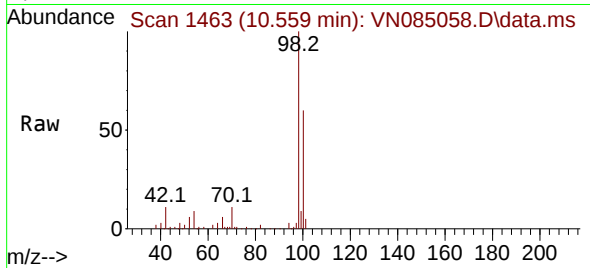




#63
Toluene-d8
Concen: 28.583 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

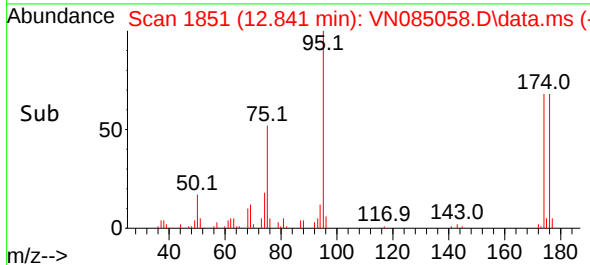
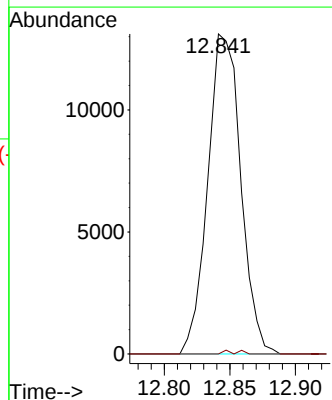
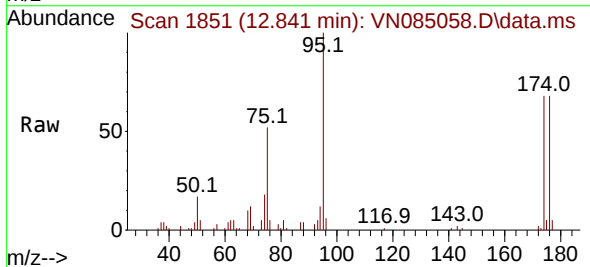
Instrument :
MSVOA_N
ClientSampleId :

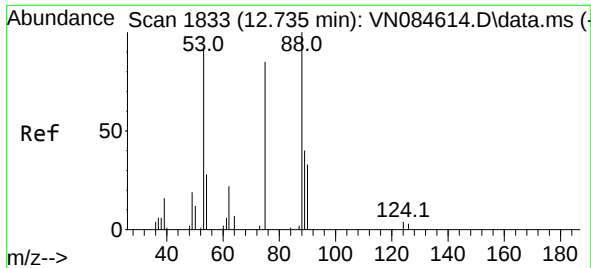
Tgt Ion: 98 Resp: 146031
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 13.989 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN085058.D
Acq: 27 Nov 2024 14:44

Tgt Ion: 75 Resp: 22945
Ion Ratio Lower Upper
75 100
77 0.2 0.0 358.4





#77

t-1,4-Dichloro-2-butene

Concen: 34.107 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.106 min

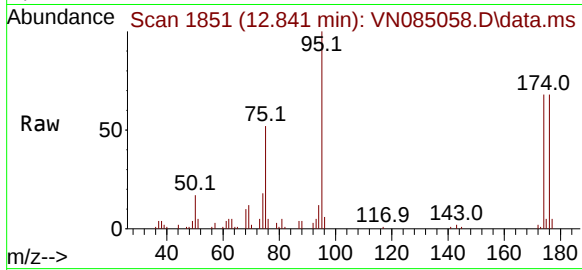
Lab File: VN085058.D

Acq: 27 Nov 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 22945

Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#

