

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085215.D
 Acq On : 16 Dec 2024 13:33
 Operator : JC\MD
 Sample : P5283-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 17 02:01:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

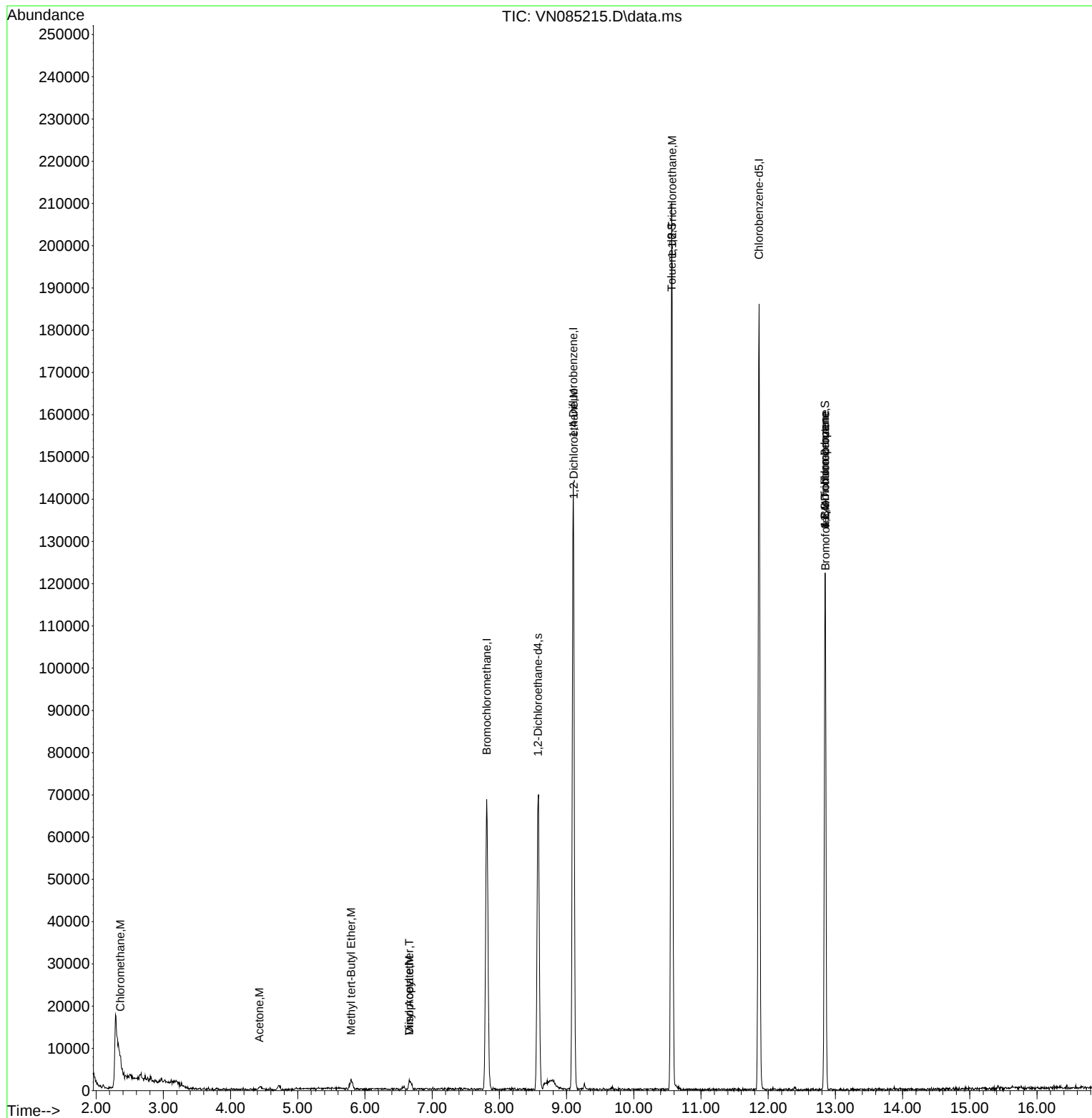
Internal Standards						
1) Bromochloromethane	7.812	128	25309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	122588	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	60177	29.966	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.847	95	43131	24.337	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.133%
63) Toluene-d8	10.565	98	144249	28.710	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1087	0.607	ug/l #	76
15) Acetone	4.430	58	136	0.665	ug/l #	1
20) Diisopropyl ether	6.659	45	1614	0.333	ug/l #	84
24) Methyl tert-Butyl Ether	5.794	73	2513	0.522	ug/l	96
36) 1,2-Dichloroethane	9.106	62	4488	2.122	ug/l #	75
42) Vinyl Acetate	6.659	43	640	0.201	ug/l #	70
50) 1,1,2-Trichloroethane	10.570	97	4964	3.412	ug/l #	1
56) Bromoform	12.853	173	470	0.395	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	23086	12.433	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	23086	34.216	ug/l #	10

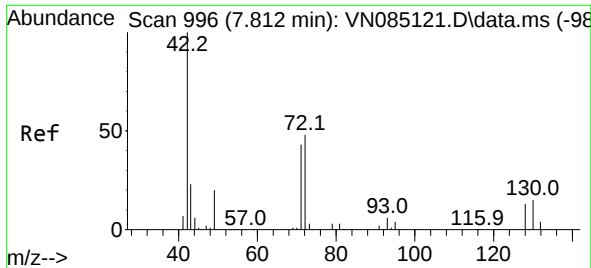
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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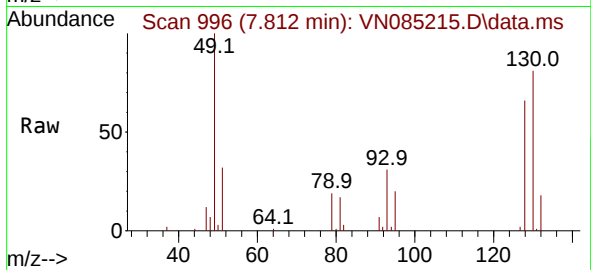
Quant Time: Dec 17 02:01:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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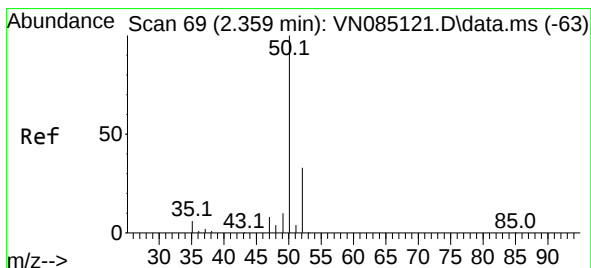
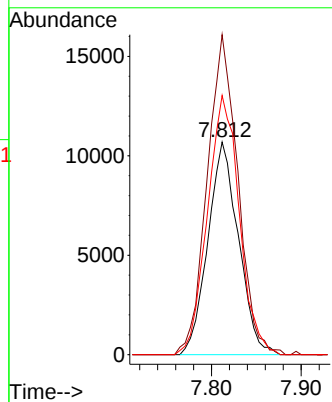
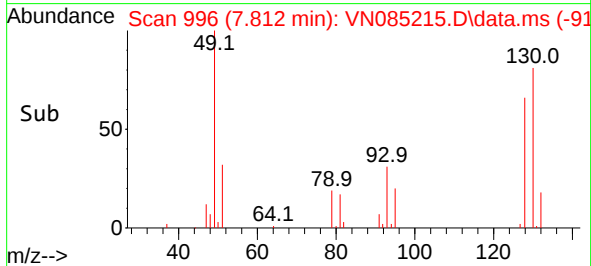


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

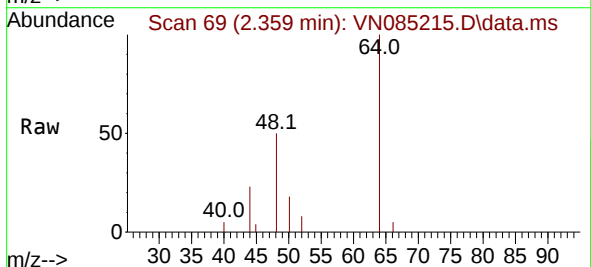
Instrument :
MSVOA_N
ClientSampleId :



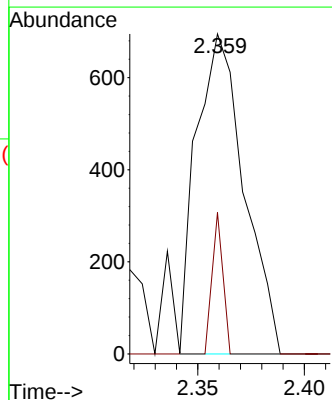
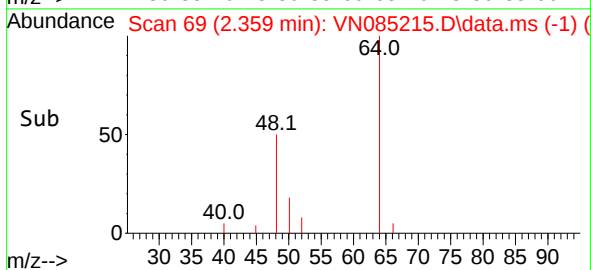
Tgt Ion:128 Resp: 25309
Ion Ratio Lower Upper
128 100
49 150.2 0.0 394.5
130 127.0 0.0 316.5

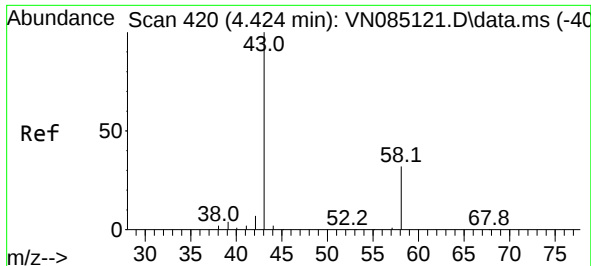


#3
Chloromethane
Concen: 0.607 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33



Tgt Ion: 50 Resp: 1087
Ion Ratio Lower Upper
50 100
52 44.2 25.0 37.4#





#15

Acetone

Concen: 0.665 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085215.D

Acq: 16 Dec 2024 13:33

Instrument :

MSVOA_N

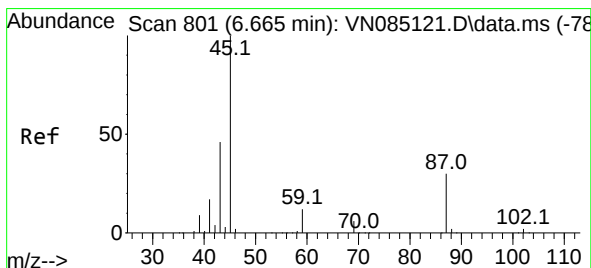
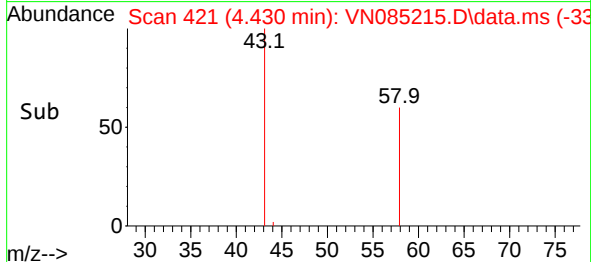
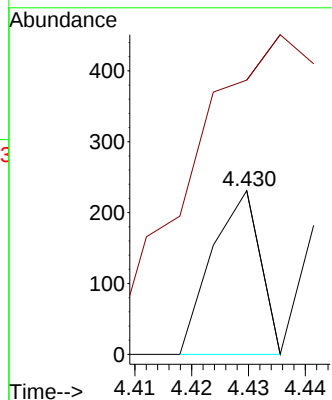
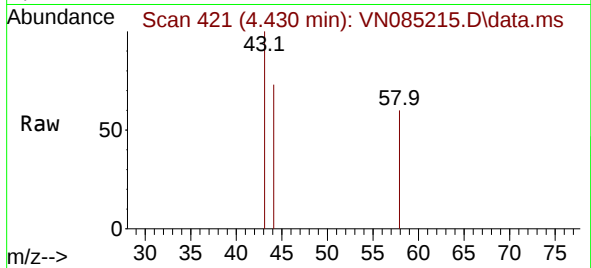
ClientSampleId :

Tgt Ion: 58 Resp: 136

Ion Ratio Lower Upper

58 100

43 83.1 242.3 363.5#



#20

Diisopropyl ether

Concen: 0.333 ug/l

RT: 6.659 min Scan# 800

Delta R.T. -0.006 min

Lab File: VN085215.D

Acq: 16 Dec 2024 13:33

Tgt Ion: 45 Resp: 1614

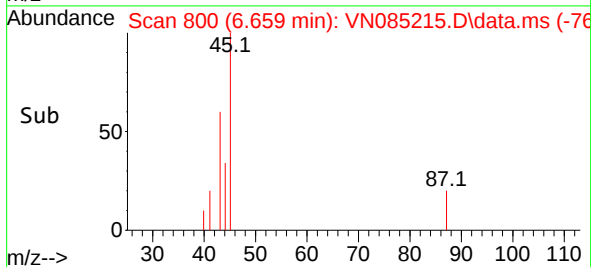
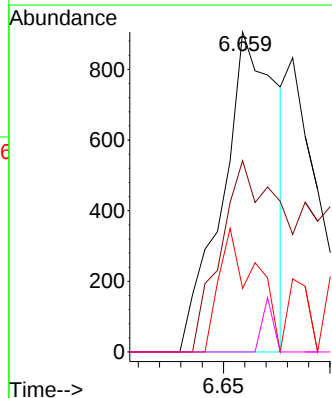
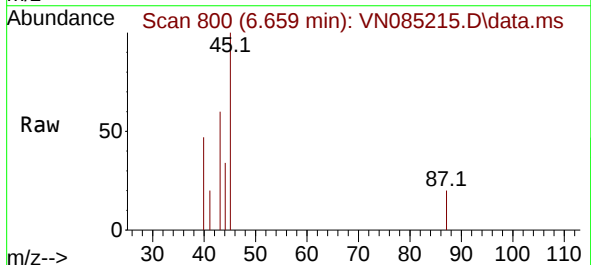
Ion Ratio Lower Upper

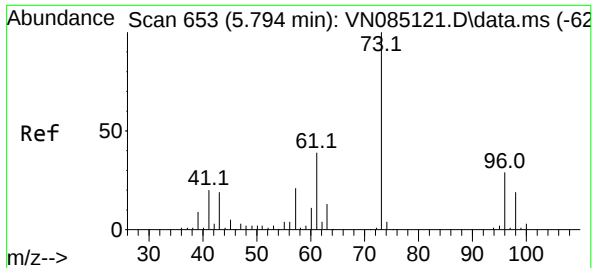
45 100

43 59.8 41.9 62.9

87 19.9 24.1 36.1#

59 0.0 10.0 15.0#

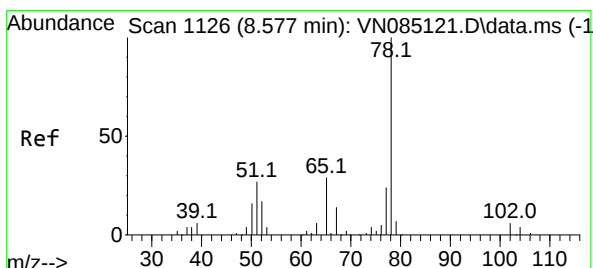
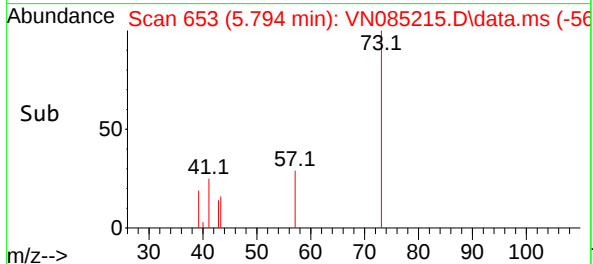
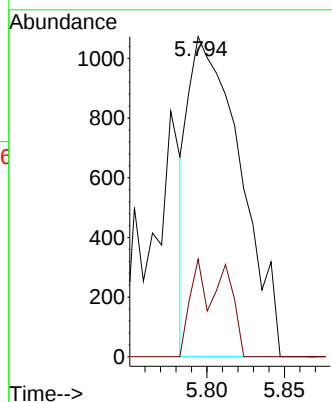
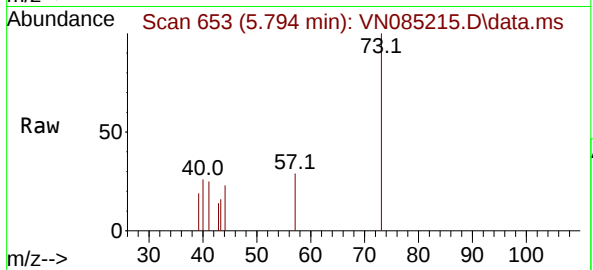




#24
Methyl tert-Butyl Ether
Concen: 0.522 ug/l
RT: 5.794 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

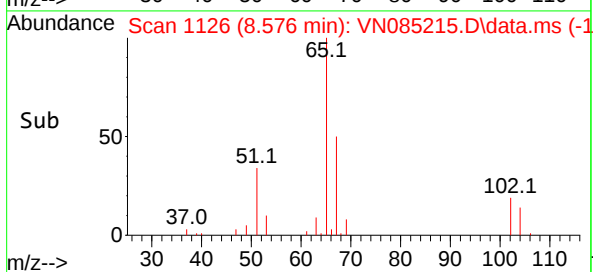
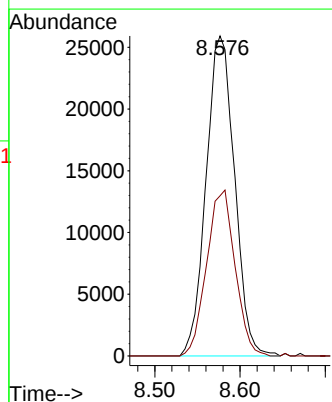
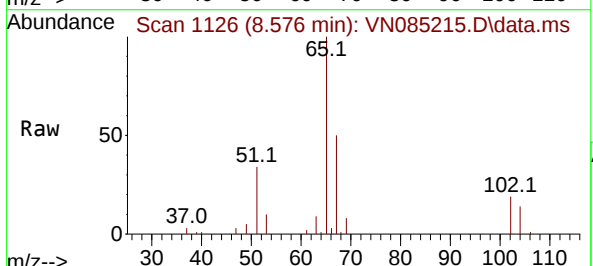
Instrument :
MSVOA_N
ClientSampleId :

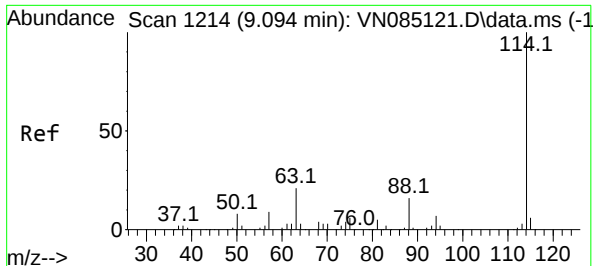
Tgt Ion: 73 Resp: 2513
Ion Ratio Lower Upper
73 100
43 9.4 8.7 13.1



#27
1,2-Dichloroethane-d4
Concen: 29.966 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 65 Resp: 60177
Ion Ratio Lower Upper
65 100
67 51.8 39.9 59.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085215.D

Acq: 16 Dec 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

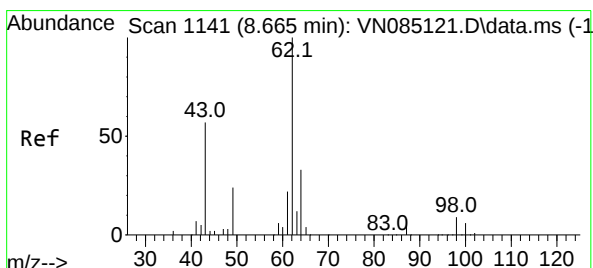
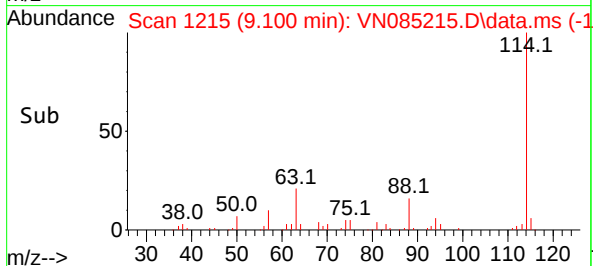
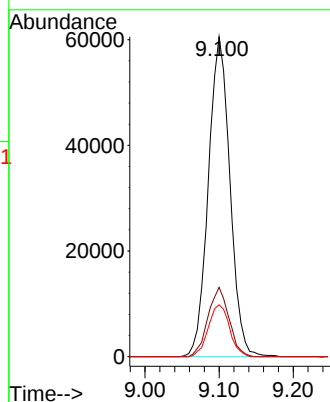
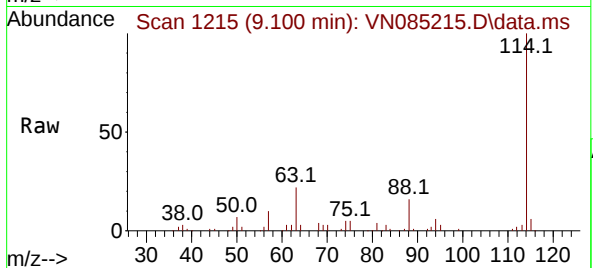
Tgt Ion:114 Resp: 122588

Ion Ratio Lower Upper

114 100

63 21.1 16.2 24.2

88 15.9 12.5 18.7



#36

1,2-Dichloroethane

Concen: 2.122 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.441 min

Lab File: VN085215.D

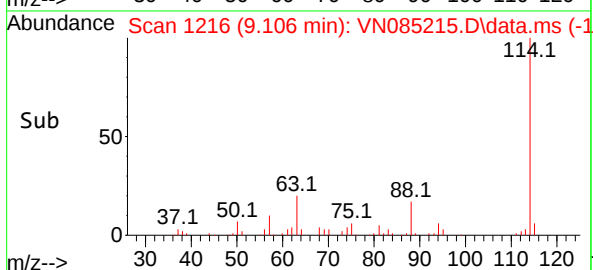
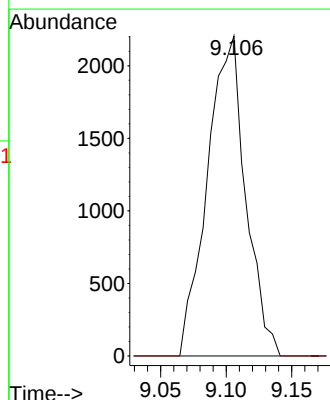
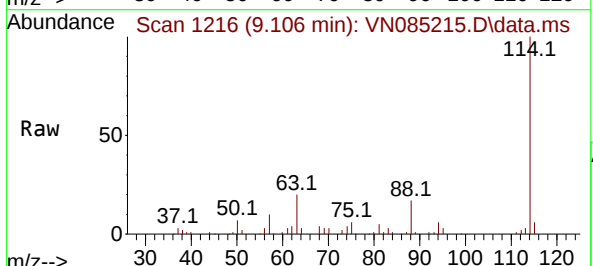
Acq: 16 Dec 2024 13:33

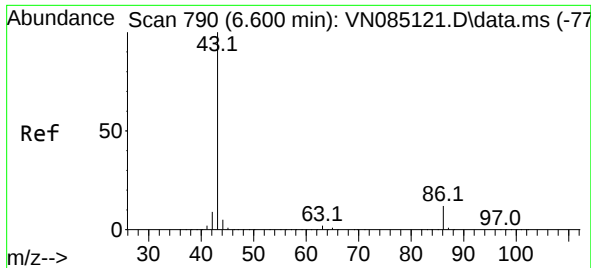
Tgt Ion: 62 Resp: 4488

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#

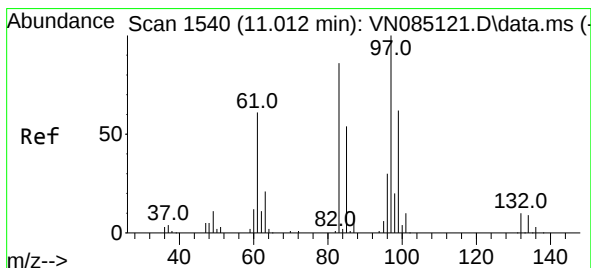
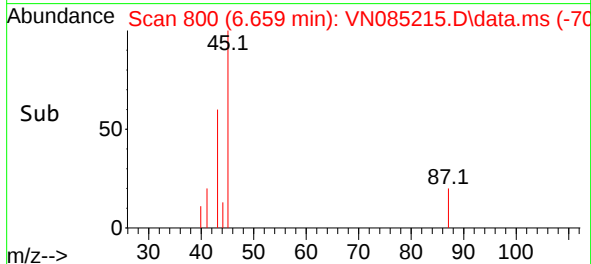
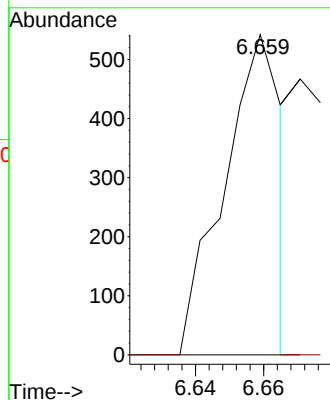
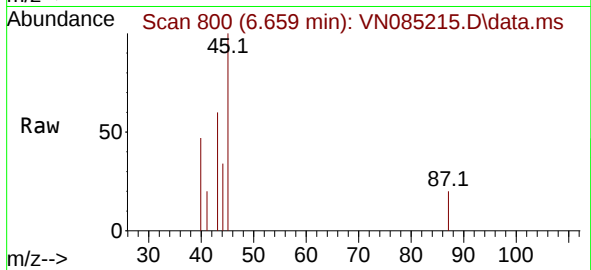




#42
Vinyl Acetate
Concen: 0.201 ug/l
RT: 6.659 min Scan# 80
Delta R.T. 0.059 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

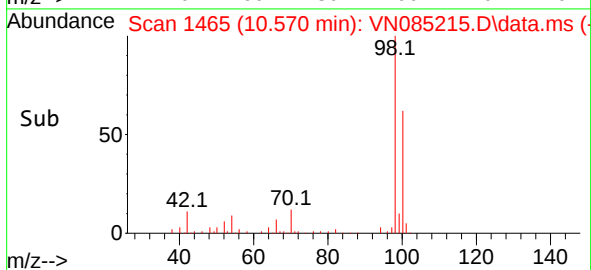
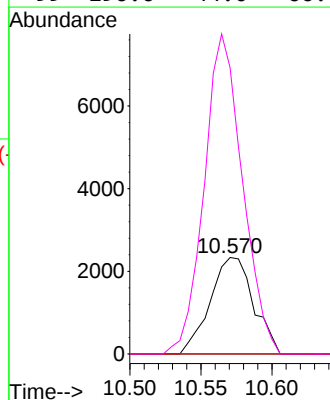
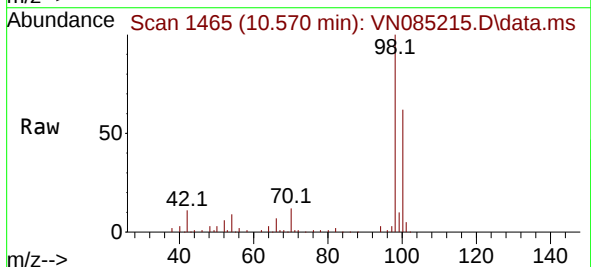
Instrument :
MSVOA_N
ClientSampleId :

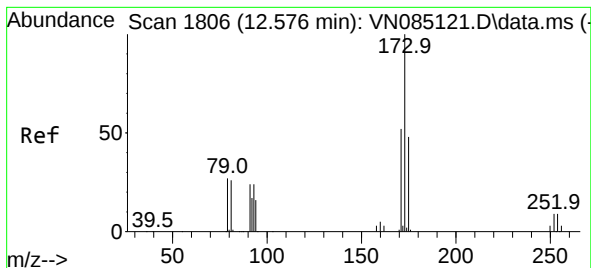
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
86 0.0 9.2 13.8#



#50
1,1,2-Trichloroethane
Concen: 3.412 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 97 Resp: 4964
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 40.8 61.2#
99 296.6 44.0 66.0#





#56

Bromoform

Concen: 0.395 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.276 min

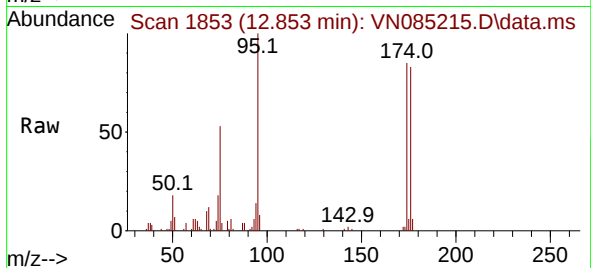
Lab File: VN085215.D

Acq: 16 Dec 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :



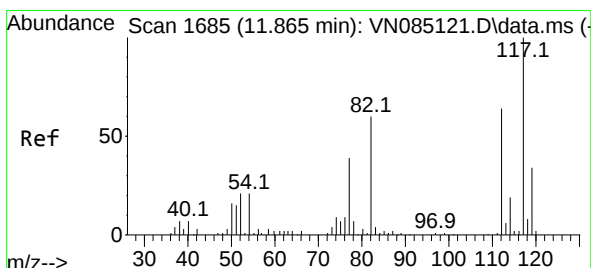
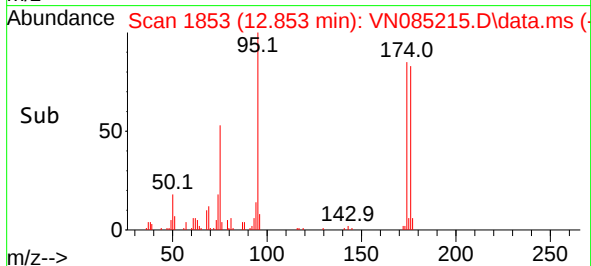
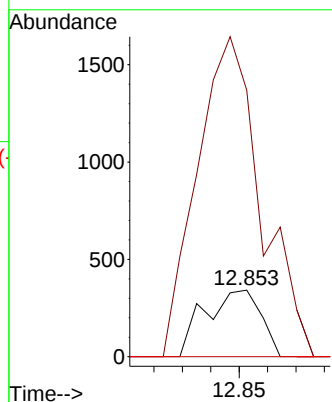
Tgt Ion:173 Resp: 470

Ion Ratio Lower Upper

173 100

175 549.1 40.2 60.2#

254 0.0 6.2 9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085215.D

Acq: 16 Dec 2024 13:33

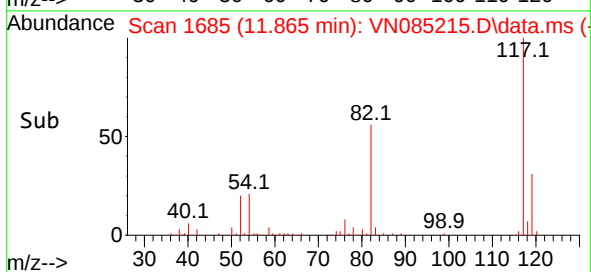
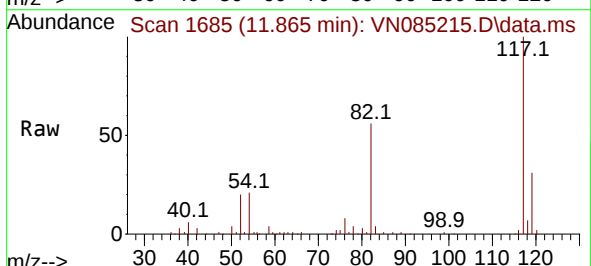
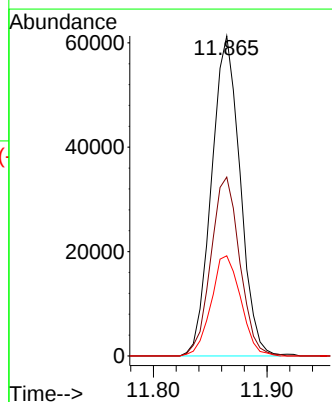
Tgt Ion:117 Resp: 107111

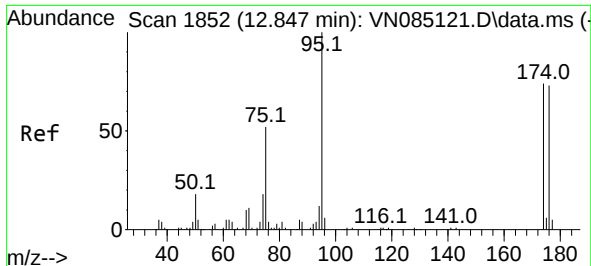
Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.4

119 32.5 25.4 38.2

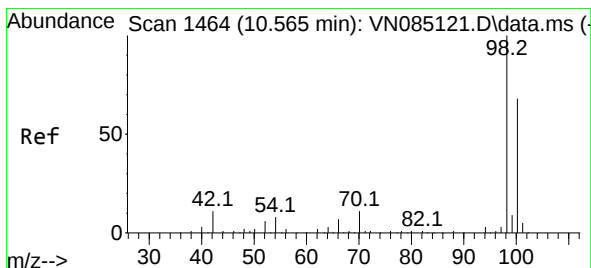
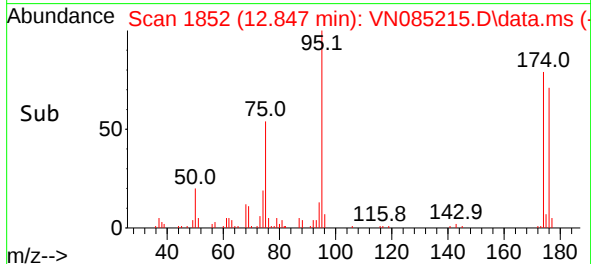
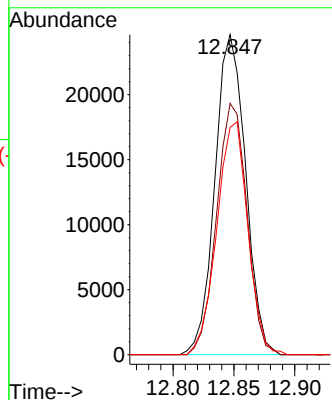
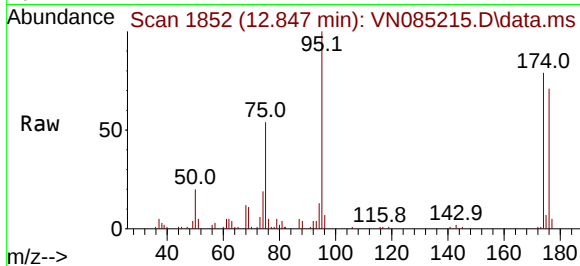




#60
4-Bromofluorobenzene
Concen: 24.337 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

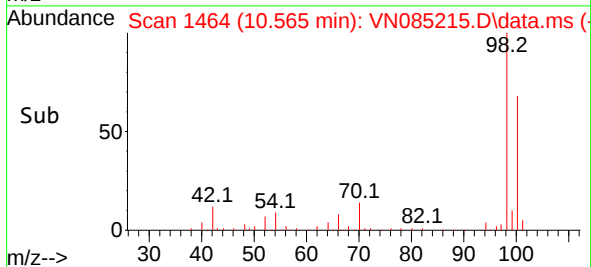
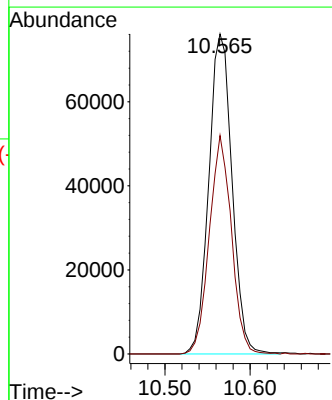
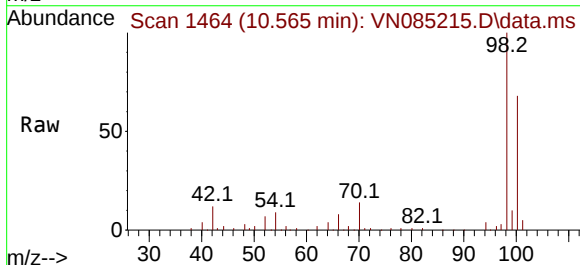
Instrument :
MSVOA_N
ClientSampleId :

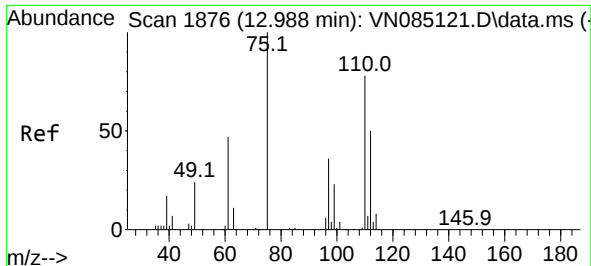
Tgt Ion: 95 Resp: 43131
Ion Ratio Lower Upper
95 100
174 77.6 60.3 90.5
176 73.5 57.4 86.0



#63
Toluene-d8
Concen: 28.710 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 98 Resp: 144249
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

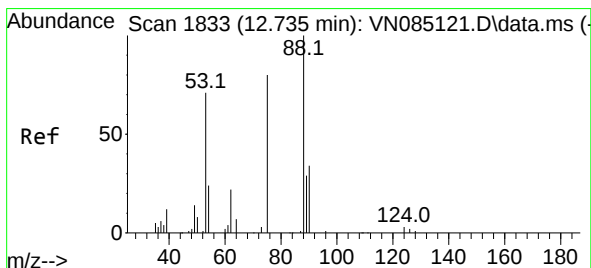
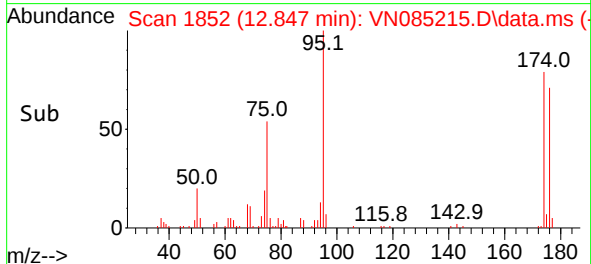
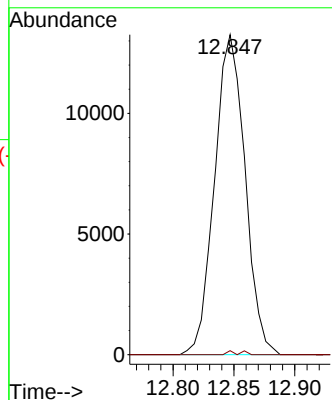
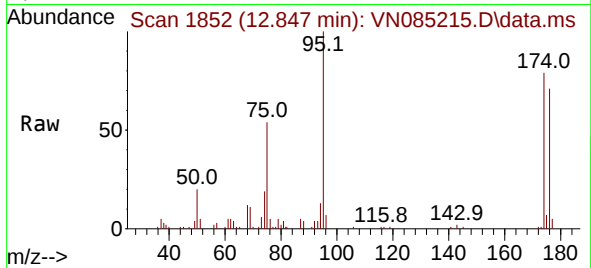




#72
1,2,3-Trichloropropane
Concen: 12.433 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 23086
Ion Ratio Lower Upper
75 100
77 0.3 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 75 Resp: 23086
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

