

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085132.D
 Acq On : 06 Dec 2024 17:15
 Operator : JC\MD
 Sample : P5068-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Dec 06 23:11:07 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	28577	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	131902	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120856	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	67283	29.673	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.900%
60) 4-Bromofluorobenzene	12.847	95	48276	24.142	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.467%
63) Toluene-d8	10.565	98	162898	28.734	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.767%

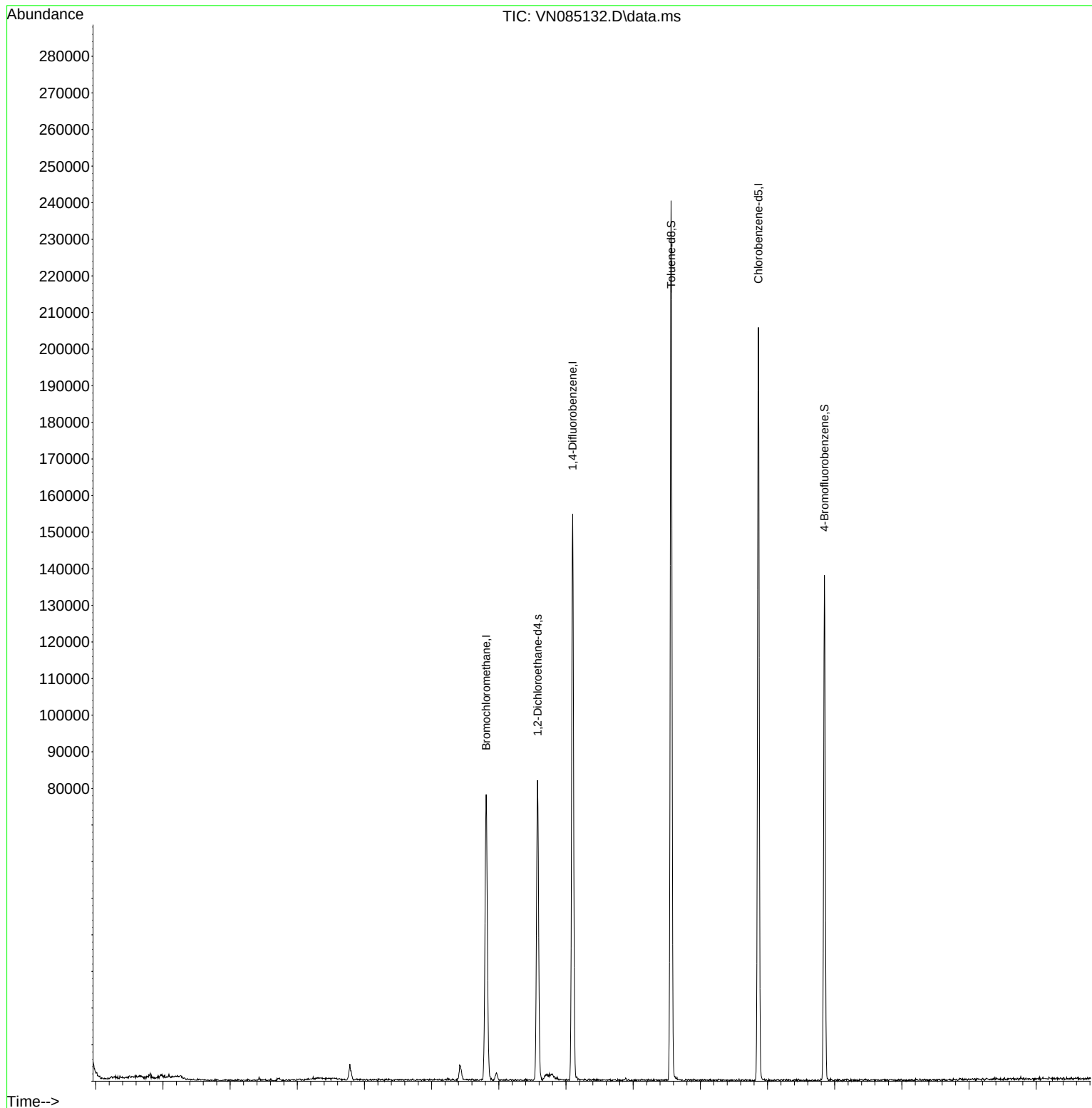
Target Compounds	Qvalue

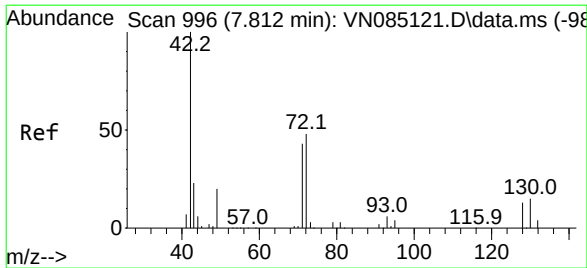
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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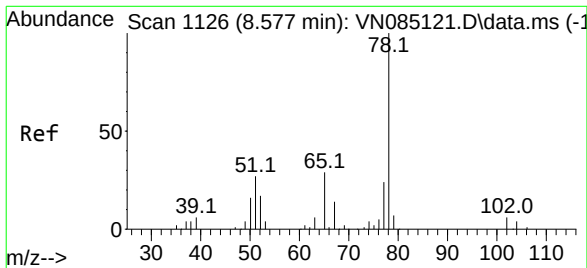
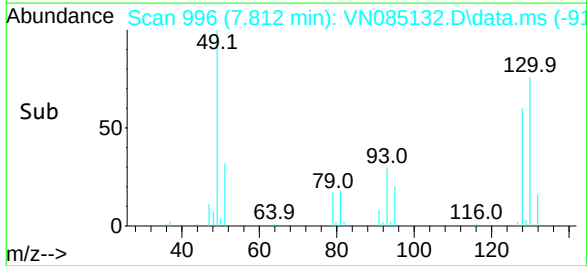
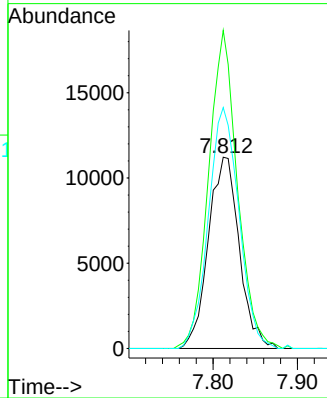
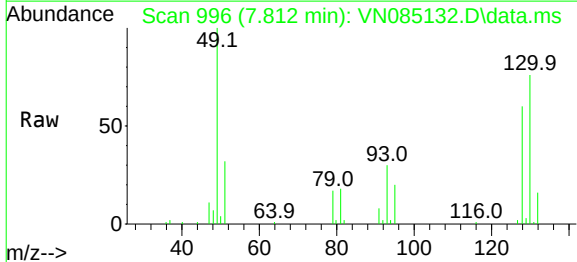




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

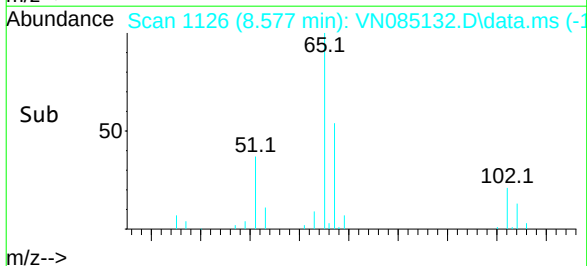
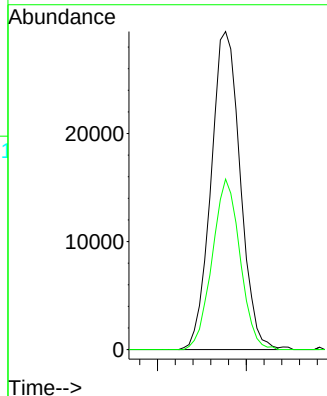
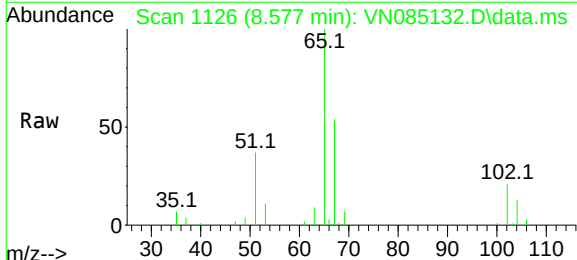
Instrument :
MSVOA_N
ClientSampleId :
14B-2

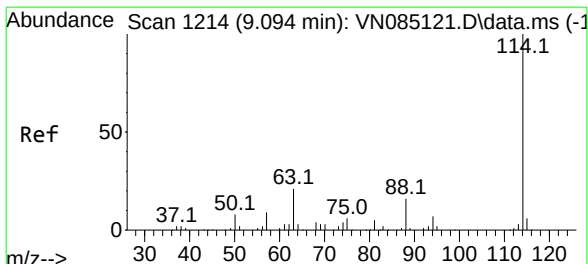
Tgt Ion:128 Resp: 28577
Ion Ratio Lower Upper
128 100
49 154.7 0.0 394.5
130 124.8 0.0 316.5



#27
1,2-Dichloroethane-d4
Concen: 29.673 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085132.D
Acq: 06 Dec 2024 17:15

Tgt Ion: 65 Resp: 67283
Ion Ratio Lower Upper
65 100
67 51.1 39.9 59.9

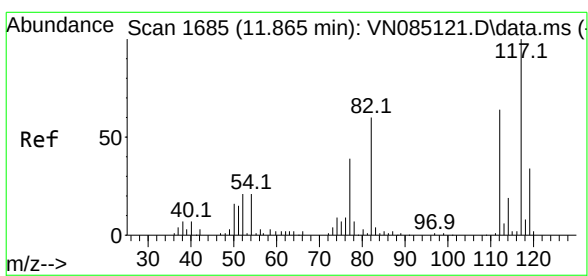
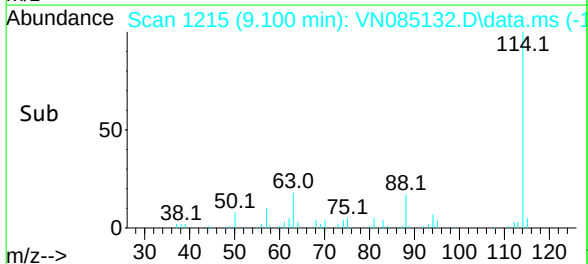
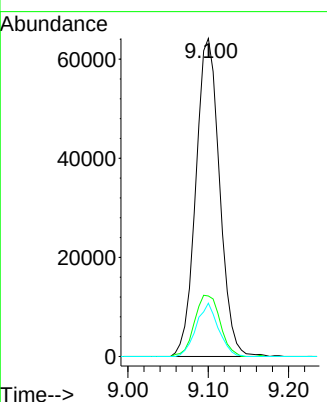
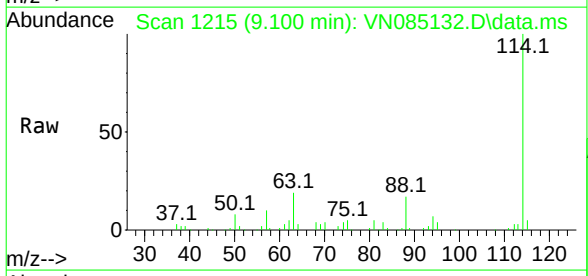




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1214
 Delta R.T. 0.000 min
 Lab File: VN085132.D
 Acq: 06 Dec 2024 17:15

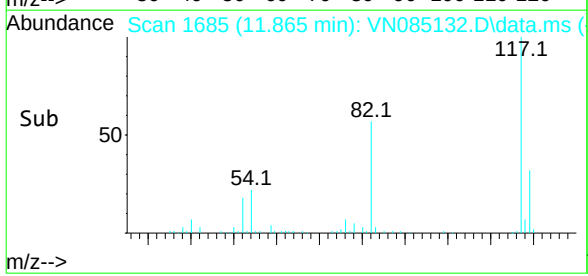
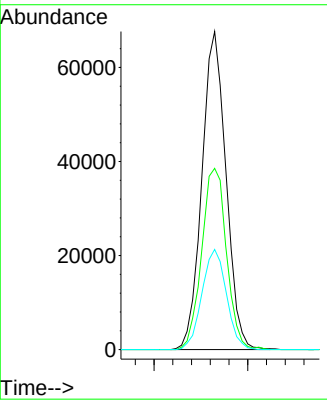
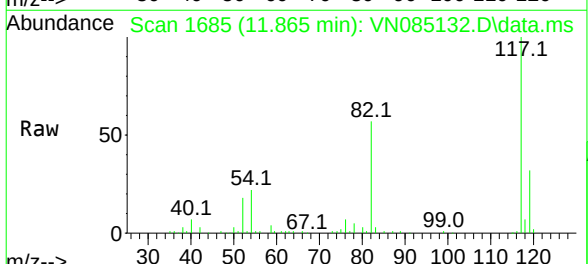
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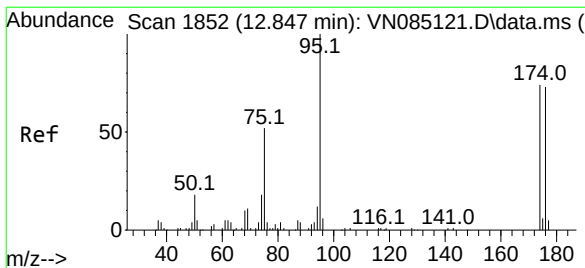
Tgt Ion:	114	Resp:	131902
Ion	Ratio	Lower	Upper
114	100		
63	20.6	16.2	24.2
88	15.6	12.5	18.7



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN085132.D
 Acq: 06 Dec 2024 17:15

Tgt Ion:	117	Resp:	120856
Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.2	66.4
119	32.0	25.4	38.2





#60

4-Bromofluorobenzene

Concen: 24.142 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085132.D

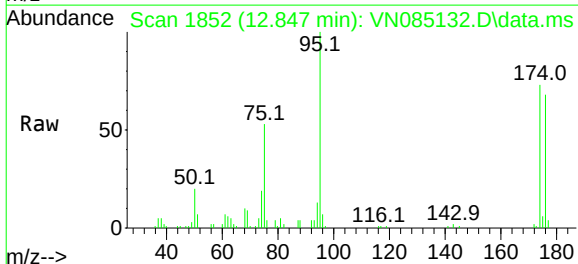
Acq: 06 Dec 2024 17:15

Instrument :

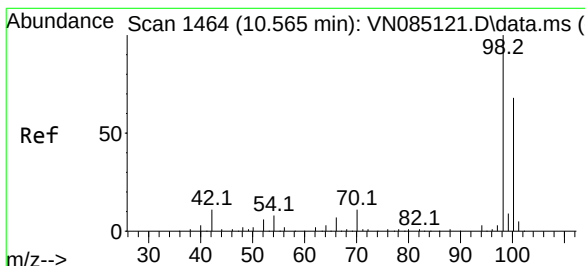
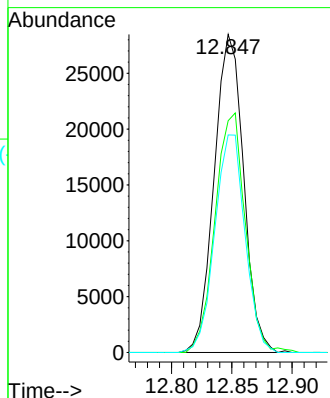
MSVOA_N

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14B-2



Tgt Ion:	95	Resp:	48276
Ion	Ratio	Lower	Upper
95	100		
174	77.1	60.3	90.5
176	70.6	57.4	86.0



#63

Toluene-d8

Concen: 28.734 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085132.D

Acq: 06 Dec 2024 17:15

Tgt Ion:	98	Resp:	162898
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

