

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081906.D
 Acq On : 29 Apr 2024 11:56
 Operator : JC\MD
 Sample : P2293-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:34:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

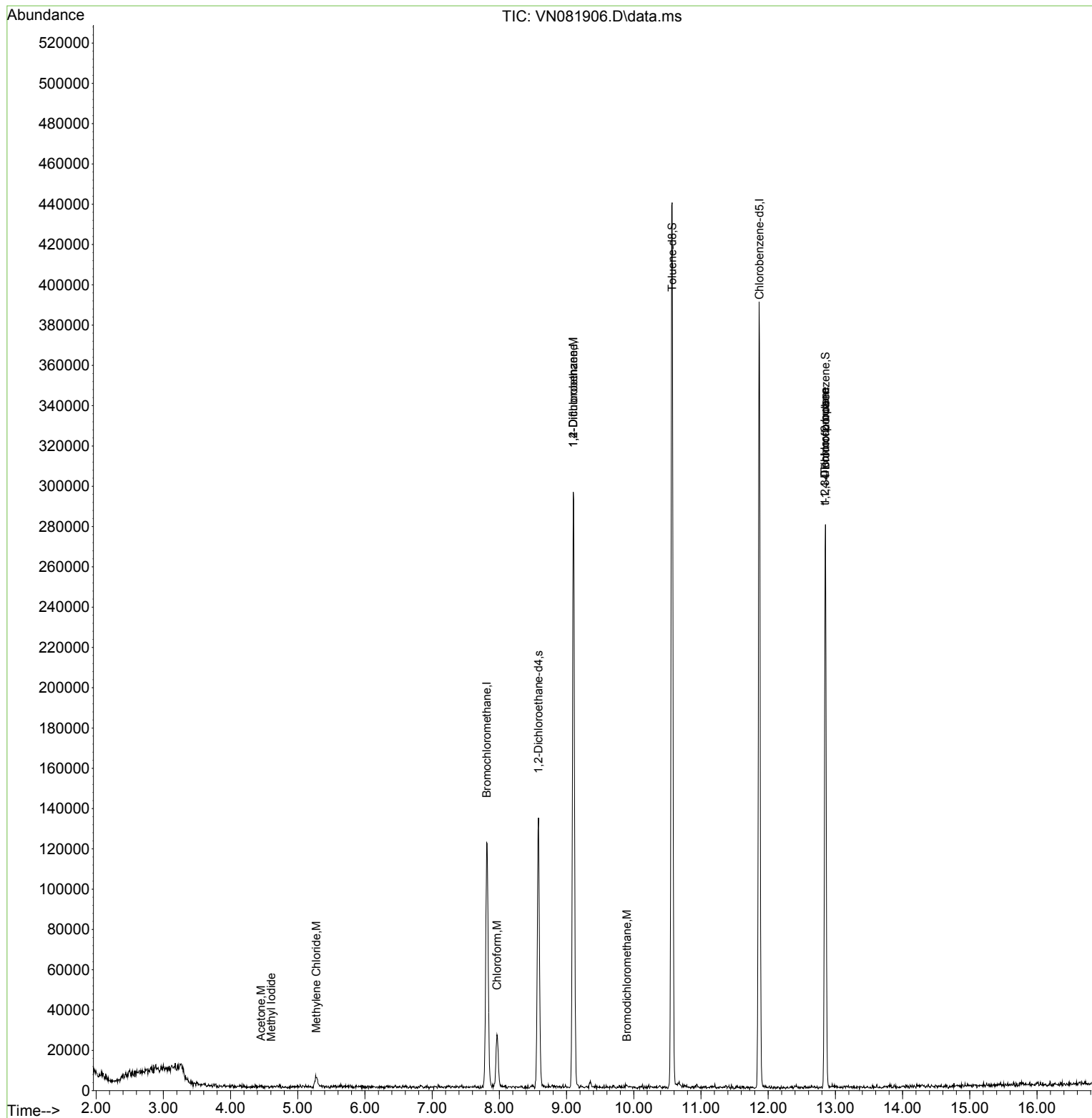
Internal Standards						
1) Bromochloromethane	7.812	128	41726	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	250214	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	211975	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	105215	30.117	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.400%
60) 4-Bromofluorobenzene	12.853	95	98989	28.060	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.533%
63) Toluene-d8	10.571	98	305890	30.386	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.300%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.606	142	470	0.202	ug/l #	34
15) Acetone	4.453	58	113	0.347	ug/l #	26
18) Methylene Chloride	5.277	84	1281	0.442	ug/l #	51
25) Chloroform	7.965	83	25586	5.077	ug/l	93
36) 1,2-Dichloroethane	9.100	62	9330	2.339	ug/l #	72
41) Bromodichloromethane	9.900	83	895	0.214	ug/l #	69
72) 1,2,3-Trichloropropane	12.847	75	54073	16.502	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	54073	37.075	ug/l #	12

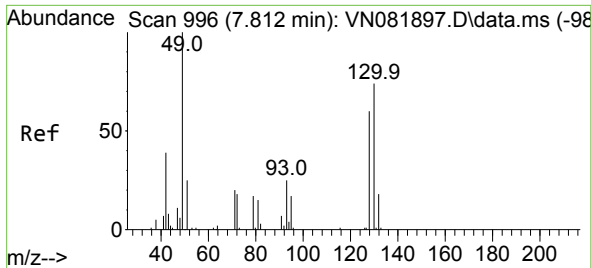
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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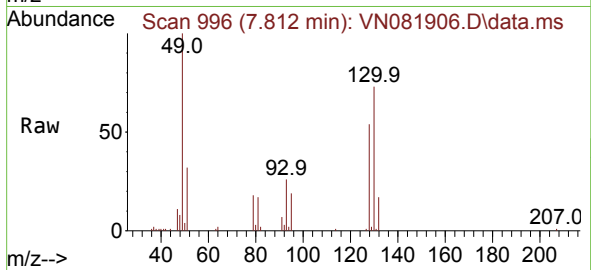
Quant Time: Apr 30 04:34:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration



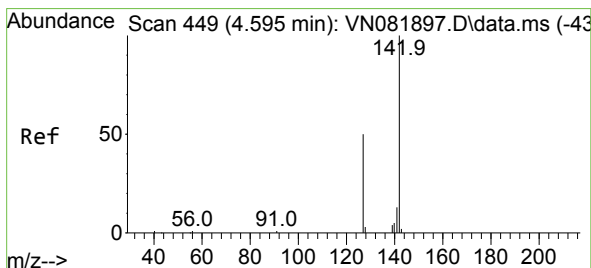
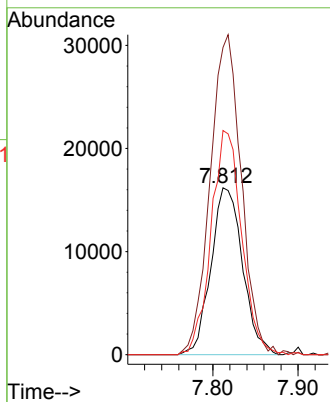
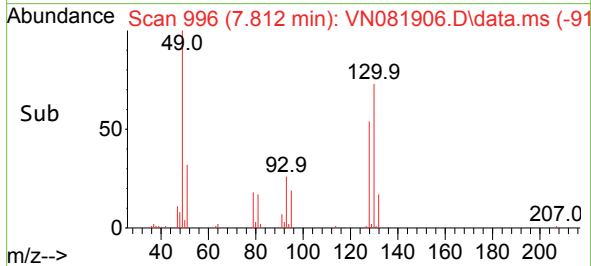


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :

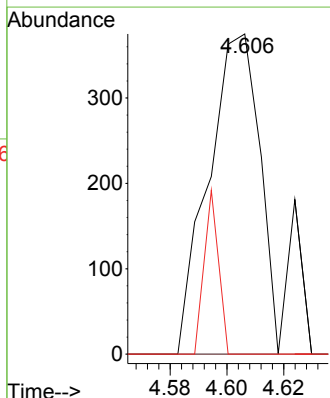
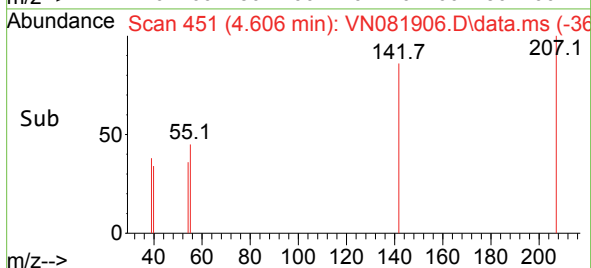
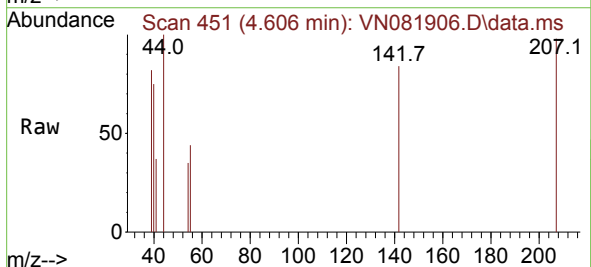


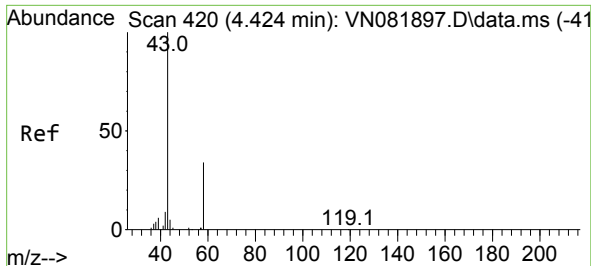
Tgt Ion:128 Resp: 41726
Ion Ratio Lower Upper
128 100
49 188.5 0.0 403.7
130 130.2 0.0 323.3



#11
Methyl Iodide
Concen: 0.202 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
127 0.0 26.3 78.9#
141 0.0 8.3 24.9#





#15

Acetone

Concen: 0.347 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN081906.D

Acq: 29 Apr 2024 11:56

Instrument :

MSVOA_N

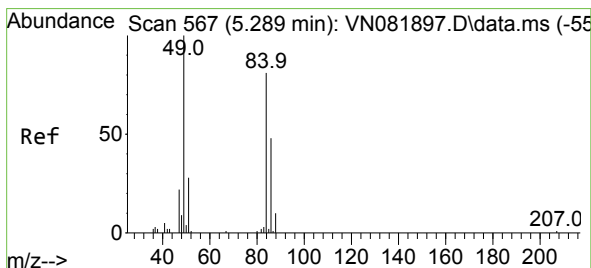
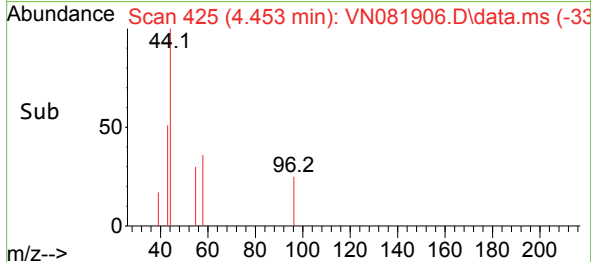
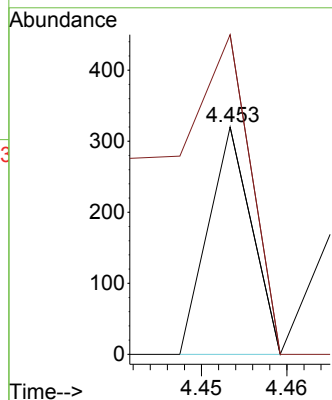
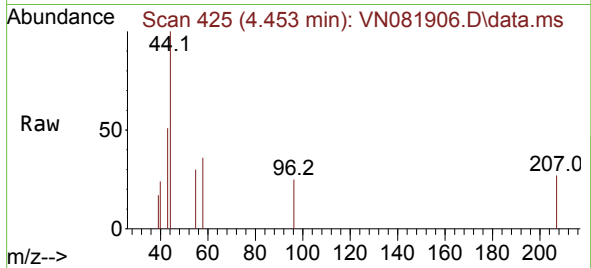
ClientSampleId :

Tgt Ion: 58 Resp: 113

Ion Ratio Lower Upper

58 100

43 140.6 223.1 334.7#



#18

Methylene Chloride

Concen: 0.442 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.012 min

Lab File: VN081906.D

Acq: 29 Apr 2024 11:56

Tgt Ion: 84 Resp: 1281

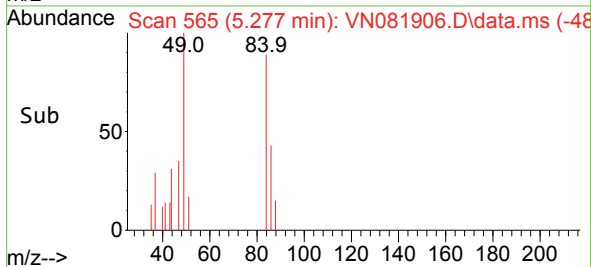
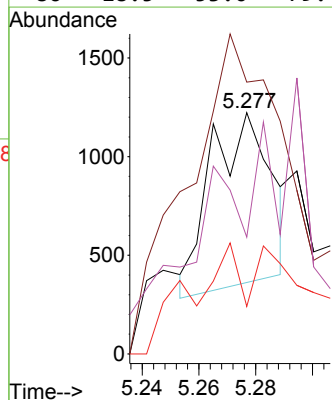
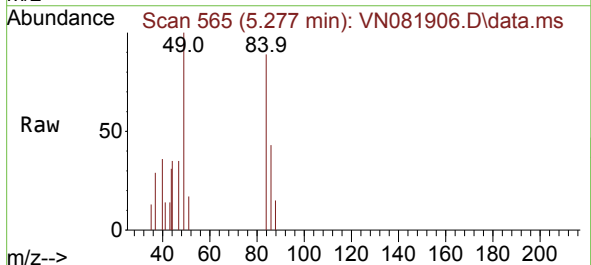
Ion Ratio Lower Upper

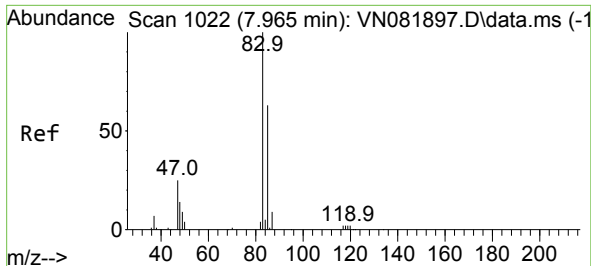
84 100

49 67.7 86.0 129.0#

51 0.0 30.0 45.0#

86 18.5 53.0 79.4#

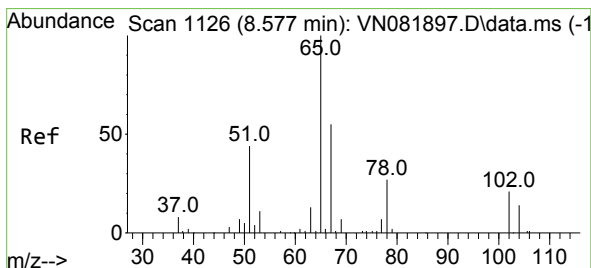
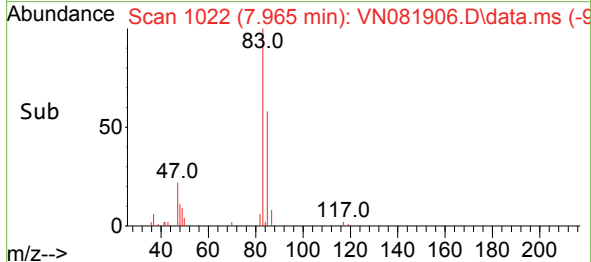
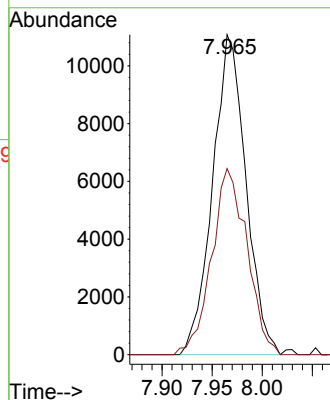
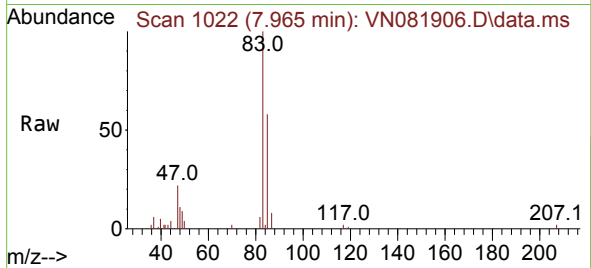




#25
Chloroform
Concen: 5.077 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

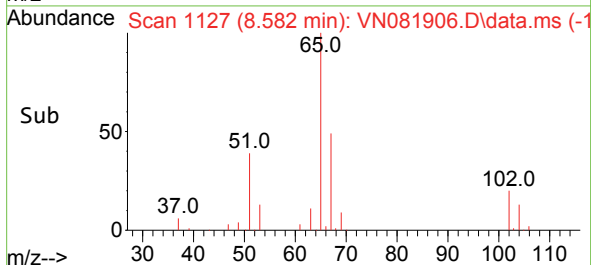
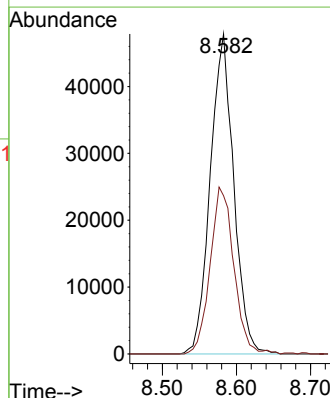
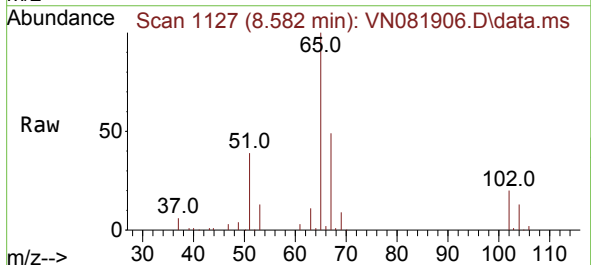
Instrument :
MSVOA_N
ClientSampleId :

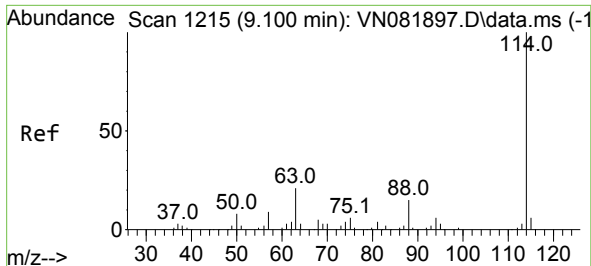
Tgt Ion: 83 Resp: 25586
Ion Ratio Lower Upper
83 100
85 58.2 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 30.117 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Tgt Ion: 65 Resp: 105215
Ion Ratio Lower Upper
65 100
67 52.2 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081906.D

Acq: 29 Apr 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

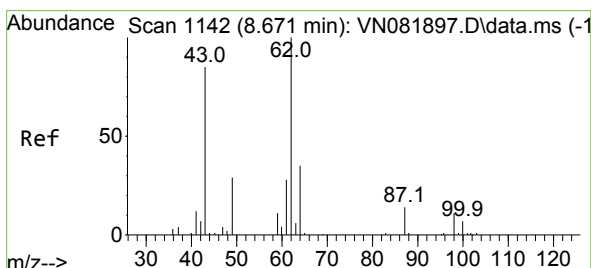
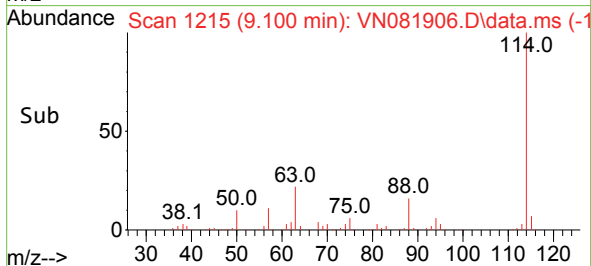
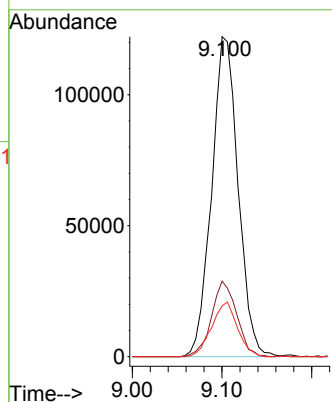
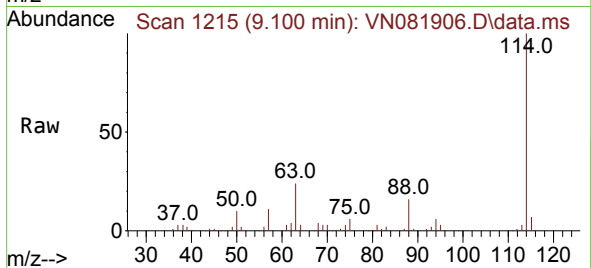
Tgt Ion:114 Resp: 250214

Ion Ratio Lower Upper

114 100

63 22.4 15.9 23.9

88 16.7 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.339 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN081906.D

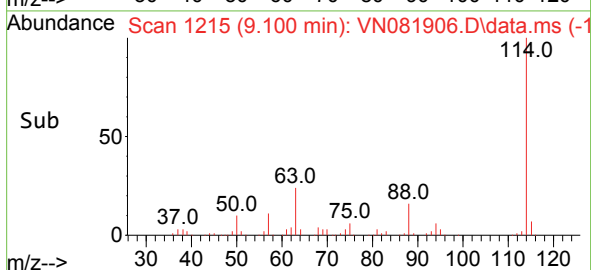
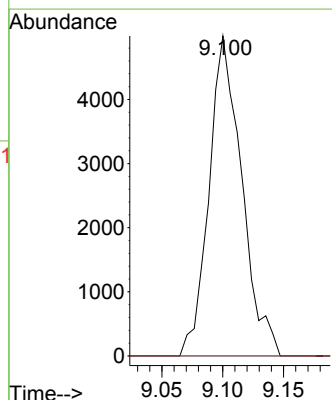
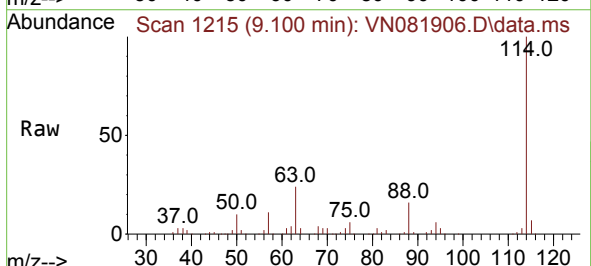
Acq: 29 Apr 2024 11:56

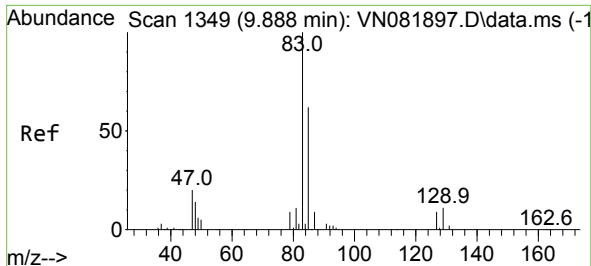
Tgt Ion: 62 Resp: 9330

Ion Ratio Lower Upper

62 100

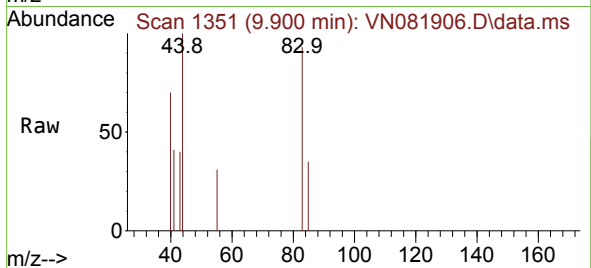
98 0.0 8.2 12.4#



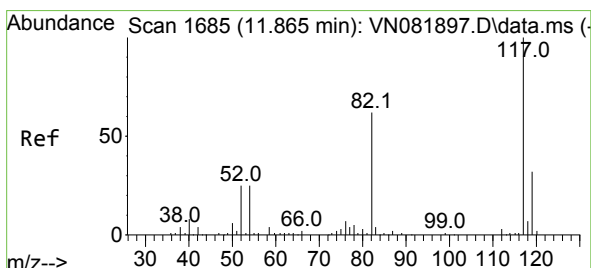
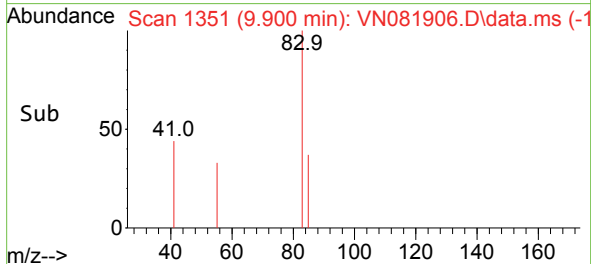
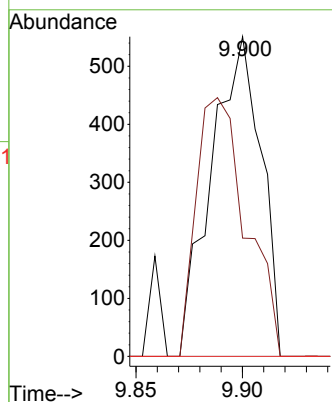


#41
Bromodichloromethane
Concen: 0.214 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :

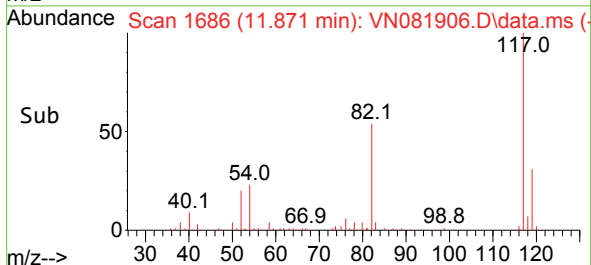
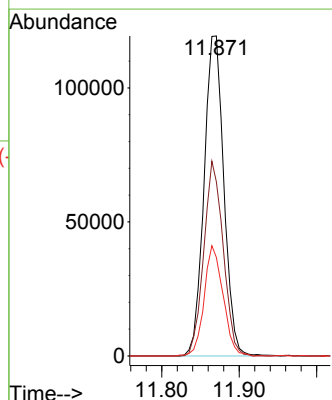
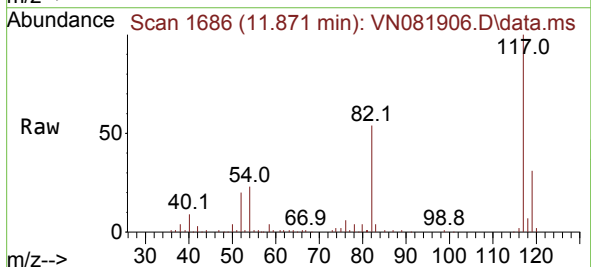


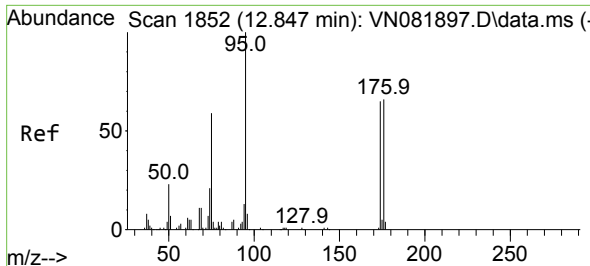
Tgt Ion: 83 Resp: 895
Ion Ratio Lower Upper
83 100
85 37.0 49.4 74.2#
127 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Tgt Ion: 117 Resp: 211975
Ion Ratio Lower Upper
117 100
82 59.5 46.6 69.8
119 32.9 25.4 38.2

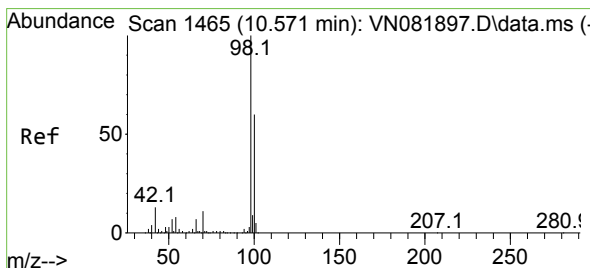
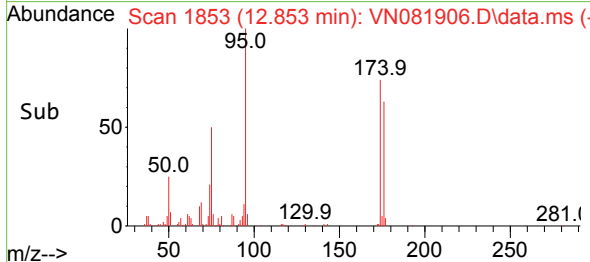
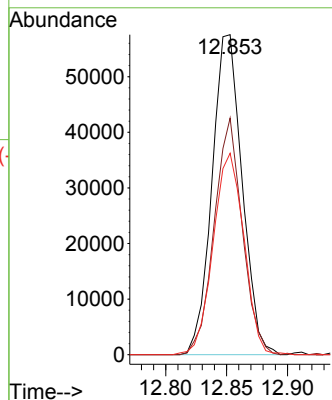
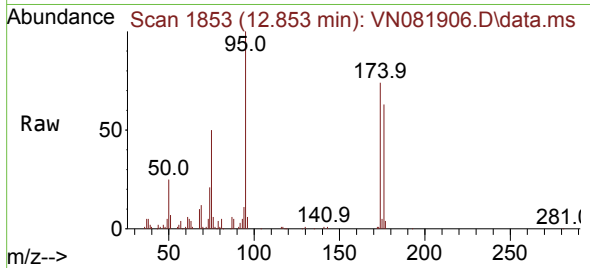




#60
4-Bromofluorobenzene
Concen: 28.060 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

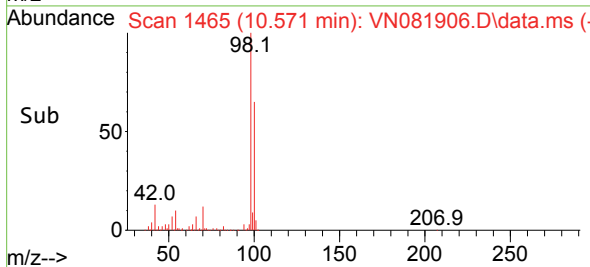
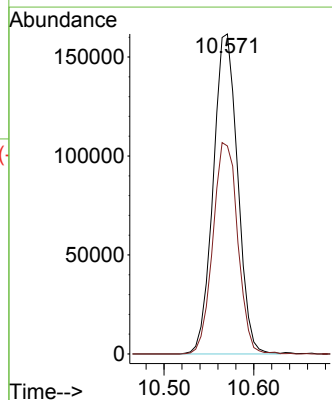
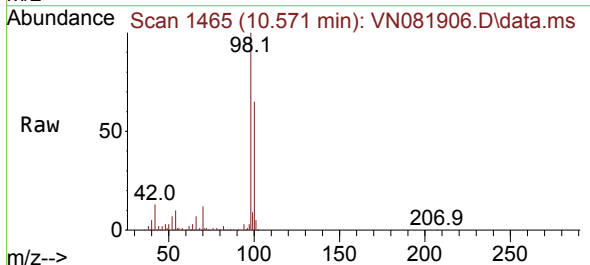
Instrument :
MSVOA_N
ClientSampleId :

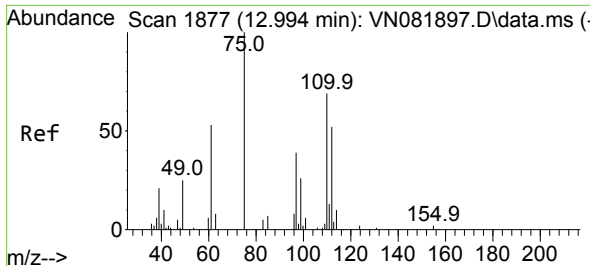
Tgt Ion: 95 Resp: 98989
Ion Ratio Lower Upper
95 100
174 69.0 60.5 90.7
176 64.2 57.8 86.6



#63
Toluene-d8
Concen: 30.386 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Tgt Ion: 98 Resp: 305890
Ion Ratio Lower Upper
98 100
100 66.9 52.7 79.1

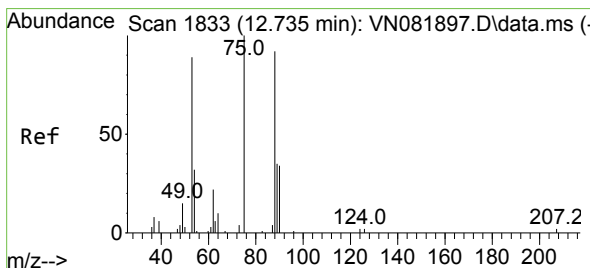
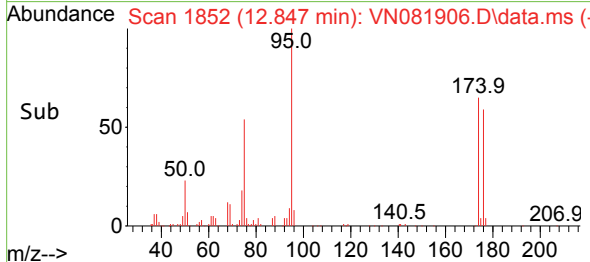
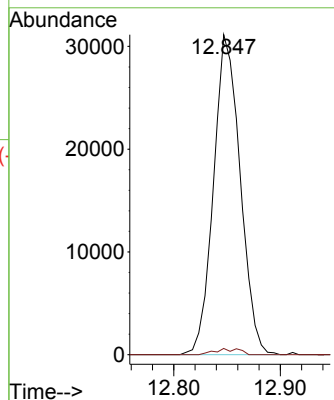
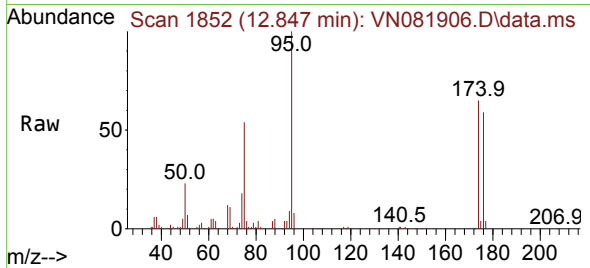




#72
1,2,3-Trichloropropane
Concen: 16.502 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 54073
Ion Ratio Lower Upper
75 100
77 1.1 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.075 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081906.D
Acq: 29 Apr 2024 11:56

Tgt Ion: 75 Resp: 54073
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

