

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082109.D
 Acq On : 13 May 2024 20:20
 Operator : JC\MD
 Sample : P2460-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240501002-03-TRIP-BLANK

Quant Time: May 14 03:37:04 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)

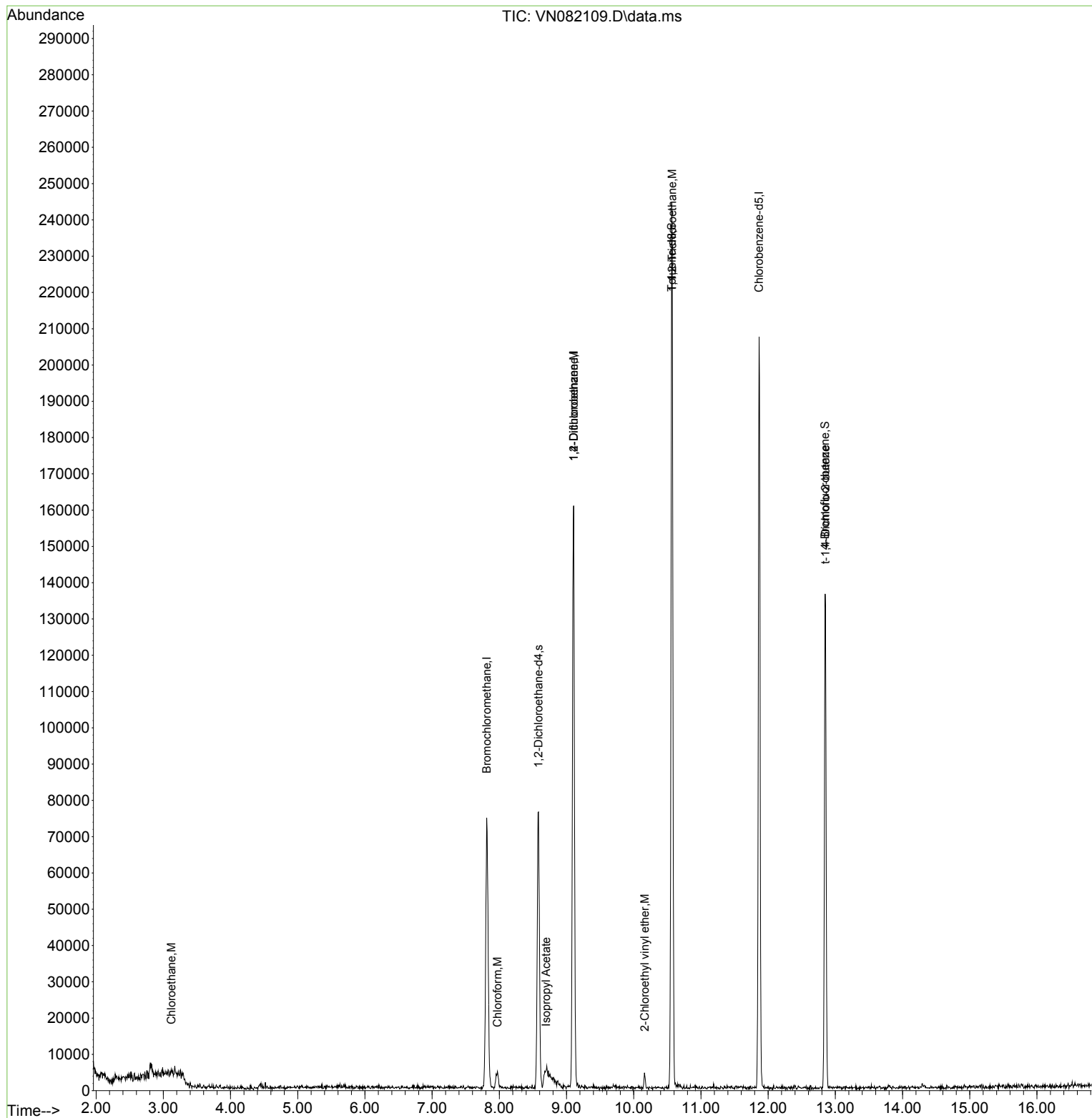
Internal Standards						
1) Bromochloromethane	7.812	128	22453	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	127906	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107654	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	62300	33.141	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.467%#
60) 4-Bromofluorobenzene	12.847	95	48401	27.016	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.067%
63) Toluene-d8	10.565	98	160224	31.340	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.467%
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	167	0.211	ug/l #	41
25) Chloroform	7.971	83	4520	1.667	ug/l	98
36) 1,2-Dichloroethane	9.106	62	5278	2.588	ug/l #	72
44) Isopropyl Acetate	8.694	43	1655	0.436	ug/l #	43
50) 1,1,2-Trichloroethane	10.571	97	4018	2.958	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.165	63	1496	1.167	ug/l #	81
77) t-1,4-Dichloro-2-butene	12.853	75	28006	37.810	ug/l #	12

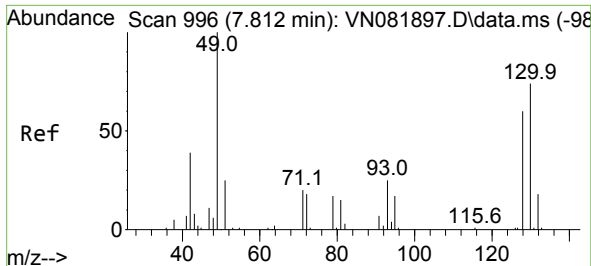
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 03:37:04 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: VN082109.D

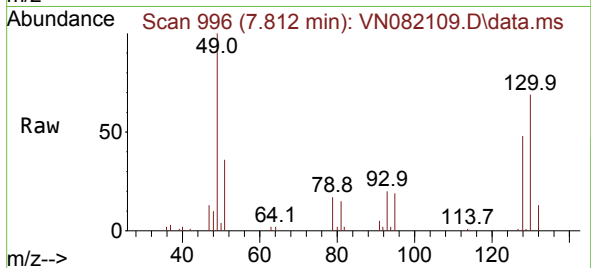
Acq: 13 May 2024 20:20

Instrument :

MSVOA_N

ClientSampleId :

240501002-03-TRIP-BLANK



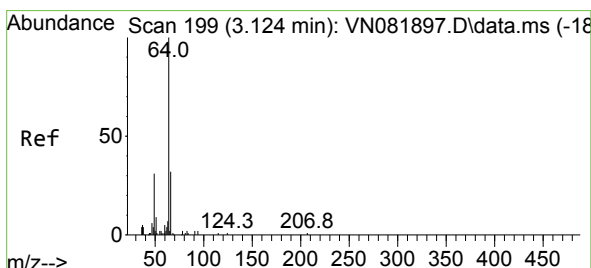
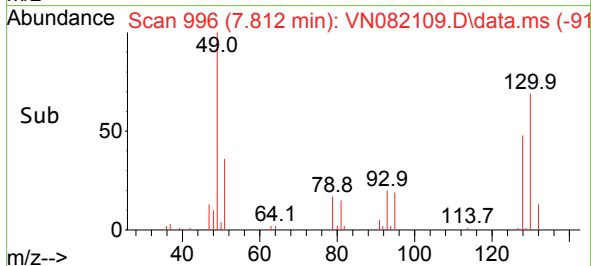
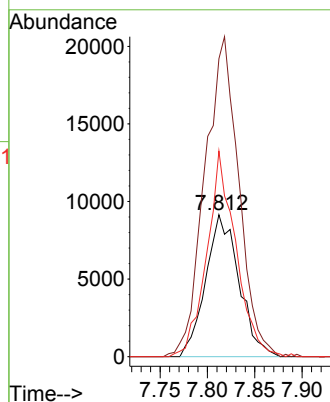
Tgt Ion:128 Resp: 22453

Ion Ratio Lower Upper

128 100

49 228.8 0.0 403.7

130 125.7 0.0 323.3



#6

Chloroethane

Concen: 0.211 ug/l

RT: 3.118 min Scan# 198

Delta R.T. -0.006 min

Lab File: VN082109.D

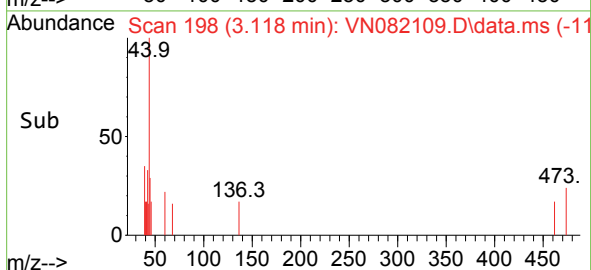
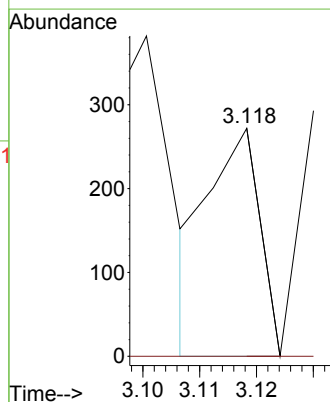
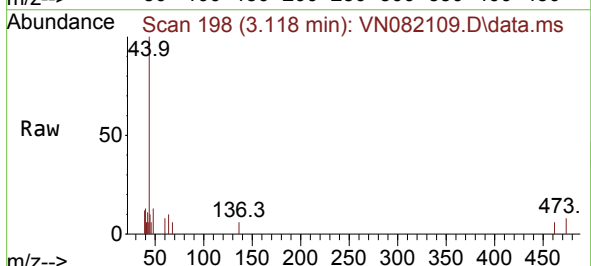
Acq: 13 May 2024 20:20

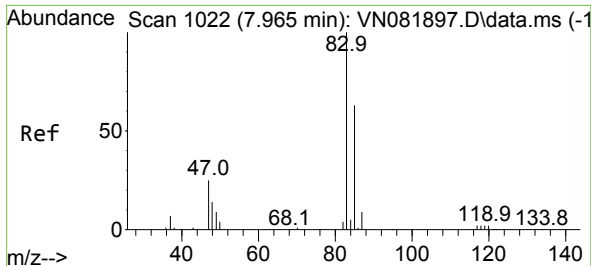
Tgt Ion: 64 Resp: 167

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#

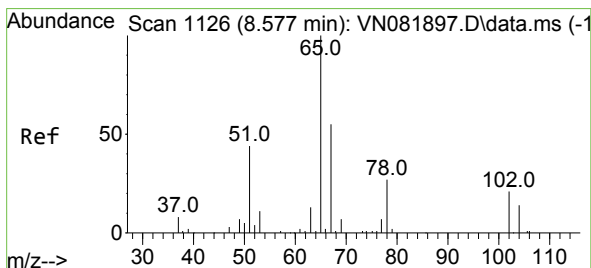
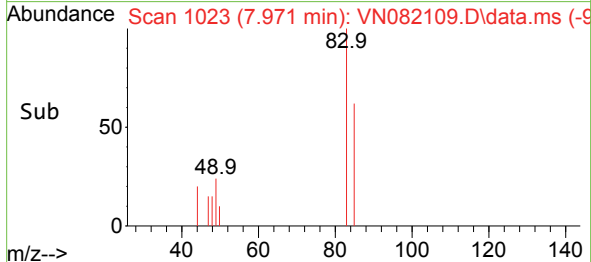
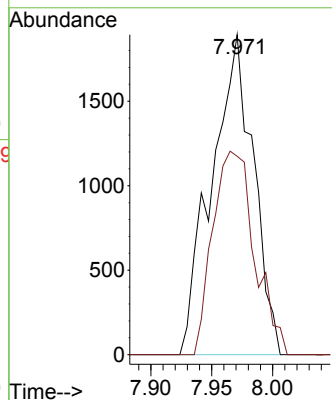
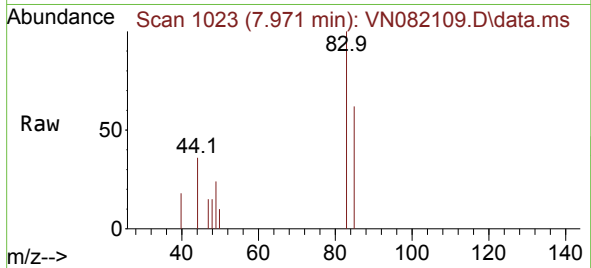




#25
Chloroform
Concen: 1.667 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

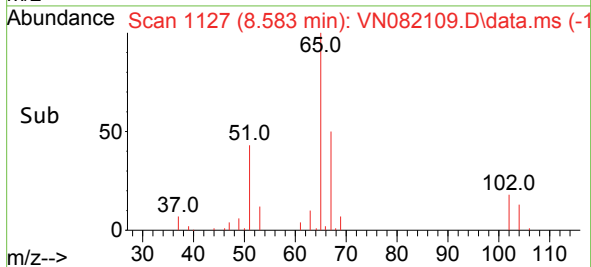
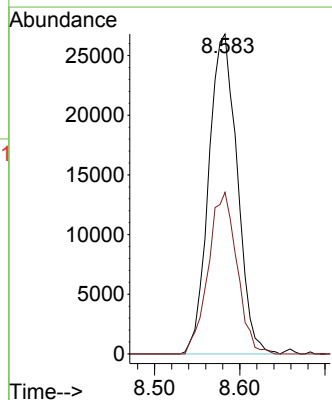
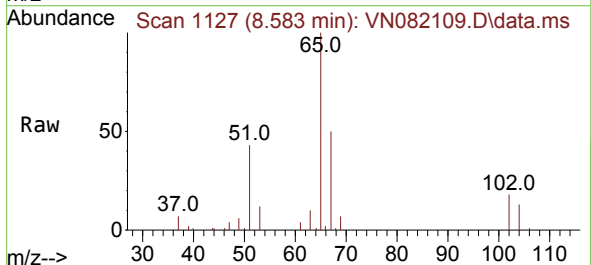
Instrument :
MSVOA_N
ClientSampleId :
240501002-03-TRIP-BLANK

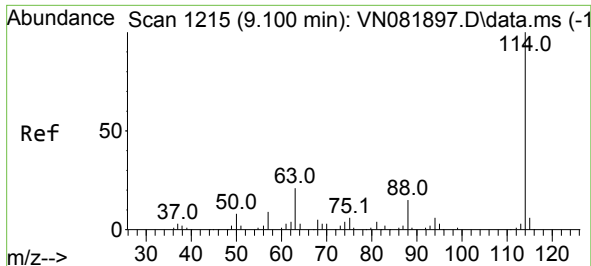
Tgt Ion: 83 Resp: 4520
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 33.141 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

Tgt Ion: 65 Resp: 62300
Ion Ratio Lower Upper
65 100
67 50.4 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082109.D

Acq: 13 May 2024 20:20

Instrument :

MSVOA_N

ClientSampleId :

240501002-03-TRIP-BLANK

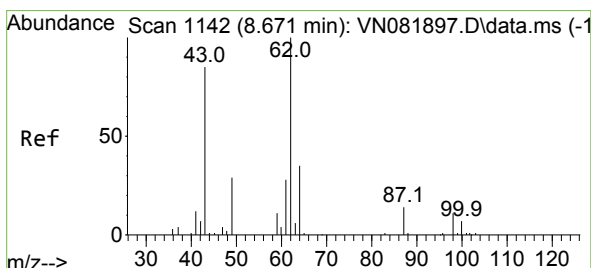
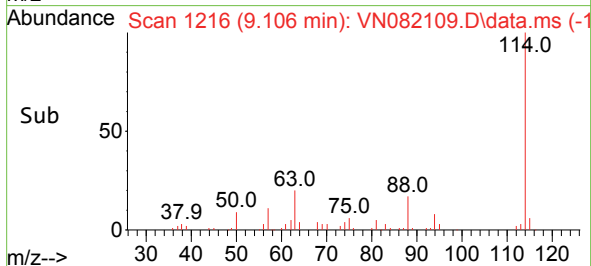
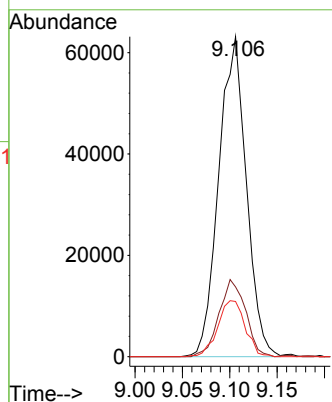
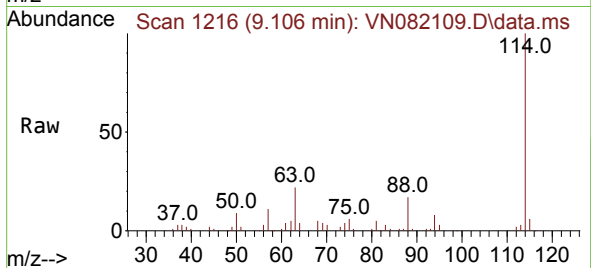
Tgt Ion:114 Resp: 127906

Ion Ratio Lower Upper

114 100

63 23.2 15.9 23.9

88 17.3 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.588 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN082109.D

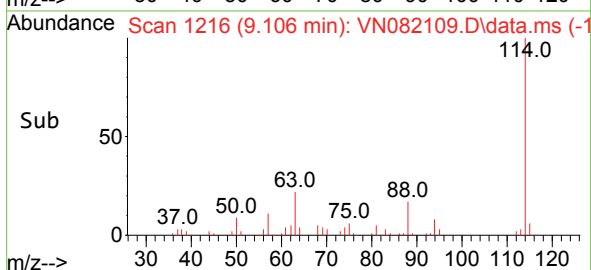
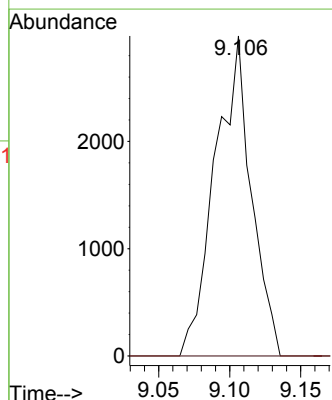
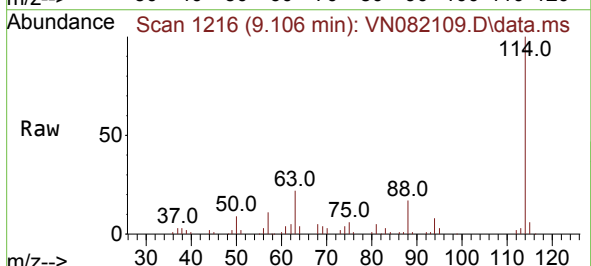
Acq: 13 May 2024 20:20

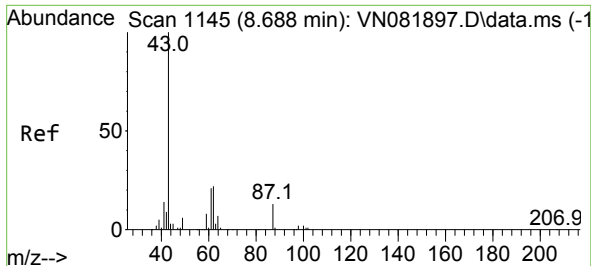
Tgt Ion: 62 Resp: 5278

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

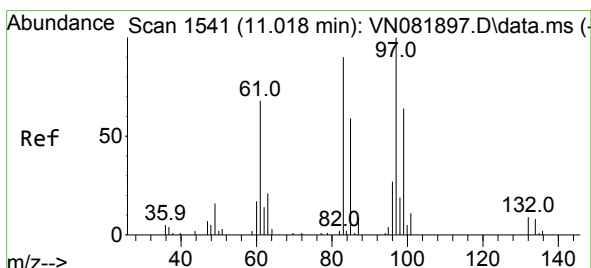
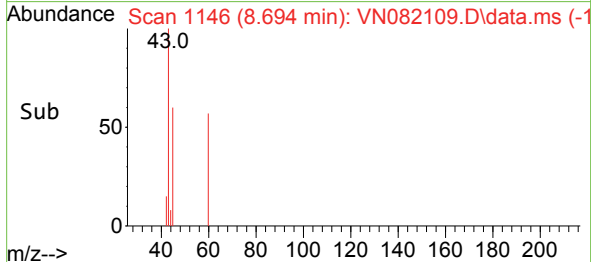
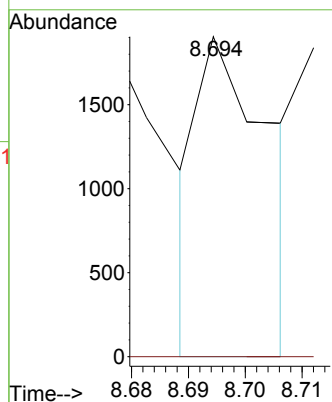
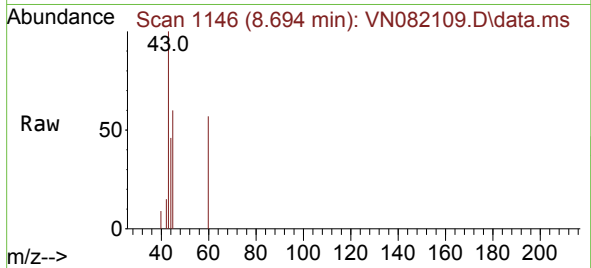




#44
Isopropyl Acetate
Concen: 0.436 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

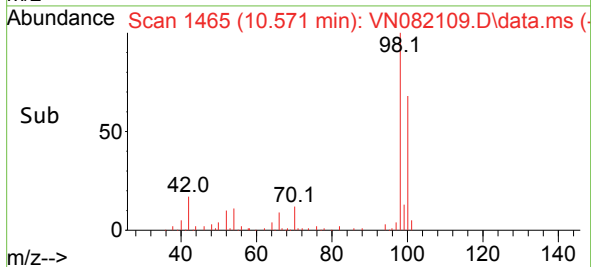
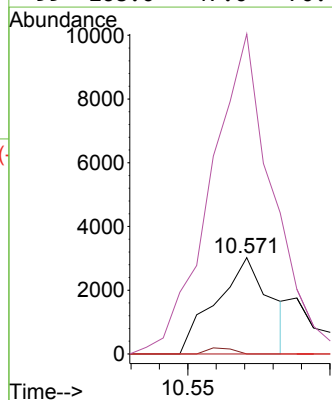
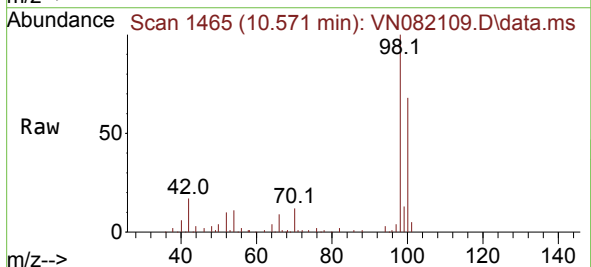
Instrument :
MSVOA_N
ClientSampleId :
240501002-03-TRIP-BLANK

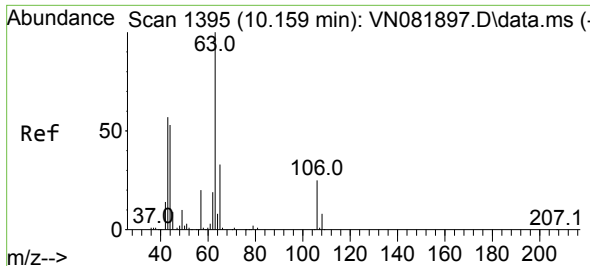
Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 2.958 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

Tgt Ion: 97 Resp: 4018
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 268.0 47.0 70.4#

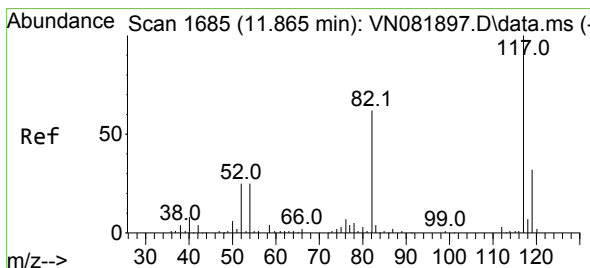
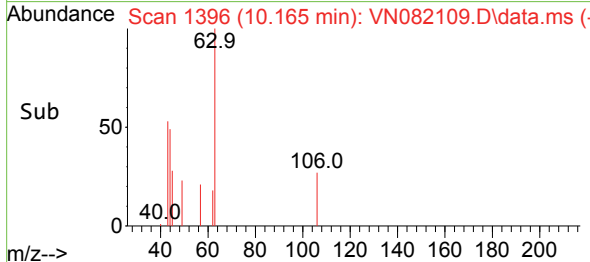
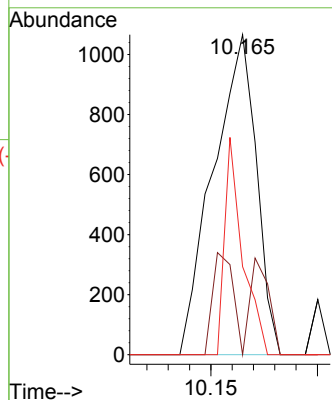
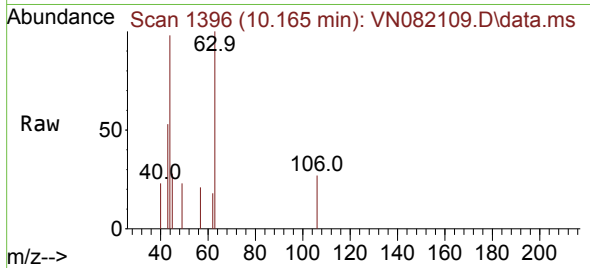




#55
2-Chloroethyl vinyl ether
Concen: 1.167 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

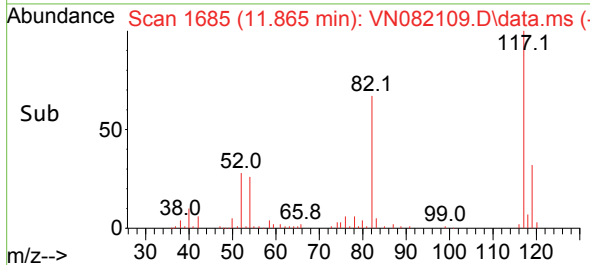
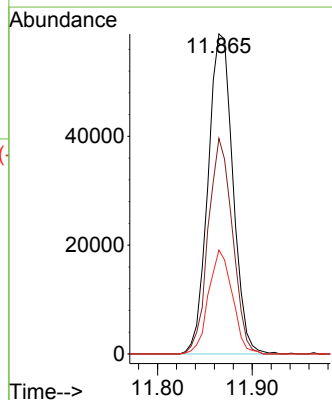
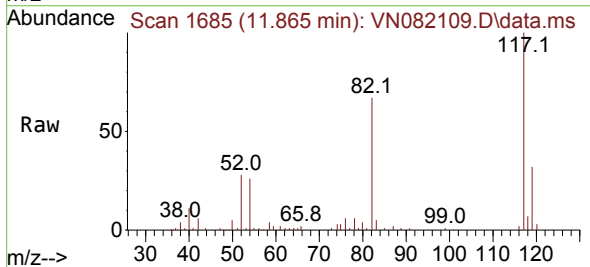
Instrument :
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ClientSampleId :
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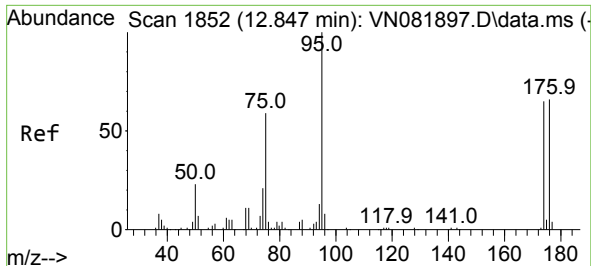
Tgt Ion: 63	Resp:	1496
Ion	Ratio	Lower Upper
63	100	
65	13.2	26.2 39.2#
106	28.3	23.8 35.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

Tgt Ion: 117	Resp:	107654
Ion	Ratio	Lower Upper
117	100	
82	65.6	46.6 69.8
119	31.1	25.4 38.2

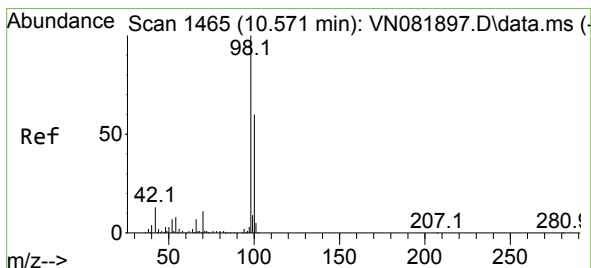
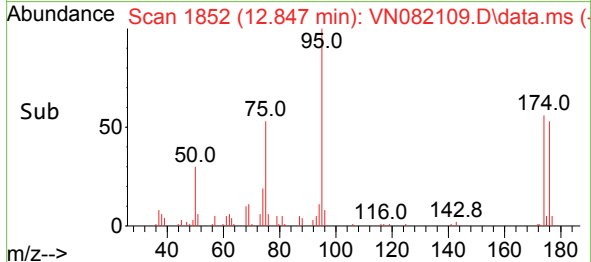
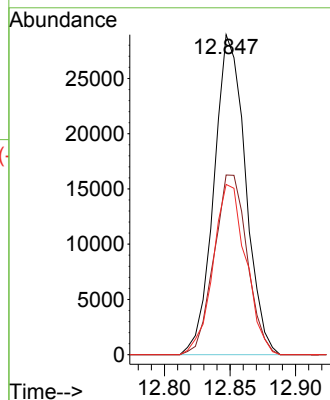
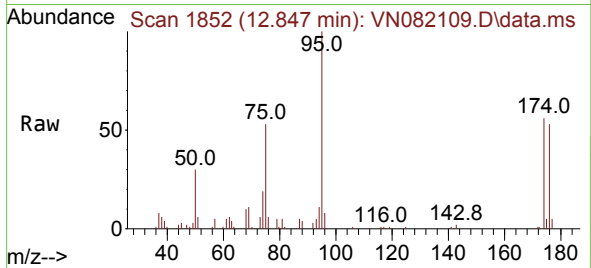




#60
4-Bromofluorobenzene
Concen: 27.016 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

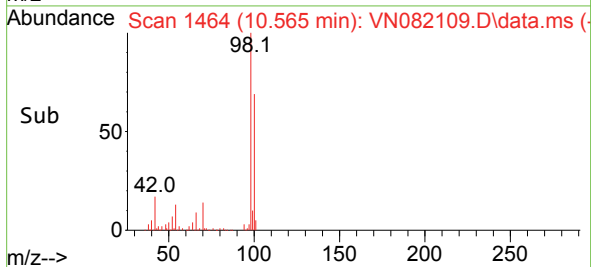
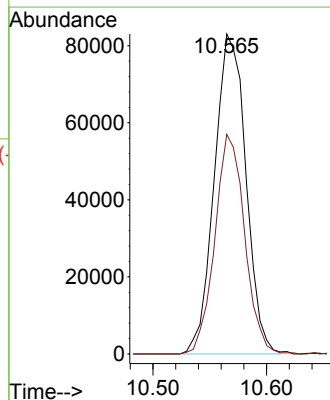
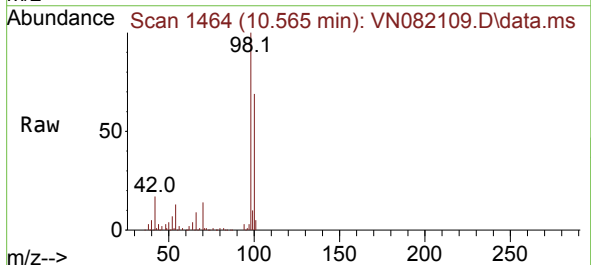
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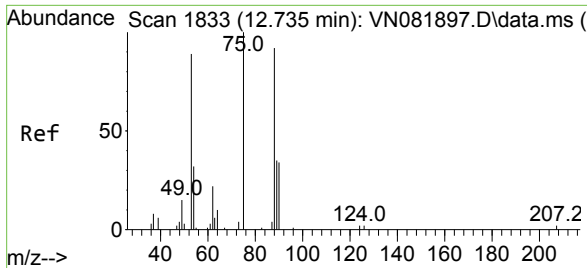
Tgt Ion: 95 Resp: 48401
Ion Ratio Lower Upper
95 100
174 59.1 60.5 90.7#
176 55.4 57.8 86.6#



#63
Toluene-d8
Concen: 31.340 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082109.D
Acq: 13 May 2024 20:20

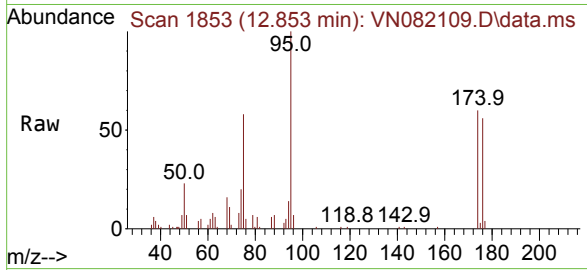
Tgt Ion: 98 Resp: 160224
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.810 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082109.D
 Acq: 13 May 2024 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 240501002-03-TRIP-BLANK



Tgt Ion: 75 Resp: 28006
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

