

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082093.D
 Acq On : 13 May 2024 13:58
 Operator : JC\MD
 Sample : P2452-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-060-IDWGW-20240509

Quant Time: May 14 03:32:13 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)

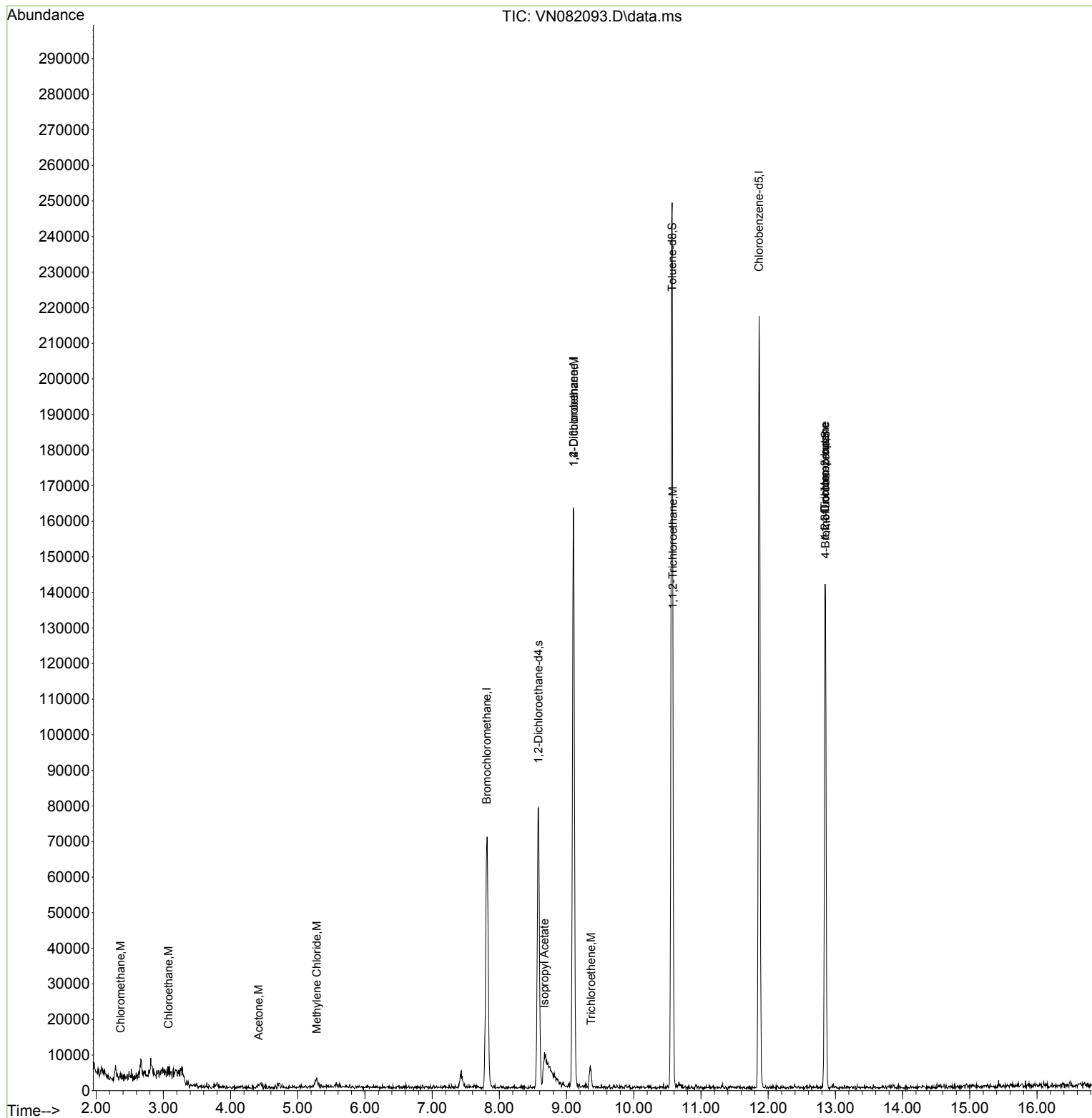
Internal Standards						
1) Bromochloromethane	7.812	128	21412	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	132056	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	112051	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	60058	33.501	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.667%#
60) 4-Bromofluorobenzene	12.853	95	48545	26.033	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.767%
63) Toluene-d8	10.571	98	167069	31.396	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	967	0.686	ug/l	95
6) Chloroethane	3.077	64	198	0.263	ug/l #	41
15) Acetone	4.418	58	177	1.058	ug/l #	20
18) Methylene Chloride	5.283	84	741	0.498	ug/l #	68
36) 1,2-Dichloroethane	9.106	62	5932	2.817	ug/l #	72
37) Trichloroethene	9.365	130	622	0.405	ug/l	98
44) Isopropyl Acetate	8.671	43	4488	1.144	ug/l	91
50) 1,1,2-Trichloroethane	10.582	97	5559	3.963	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30164	17.414	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30164	39.125	ug/l #	12

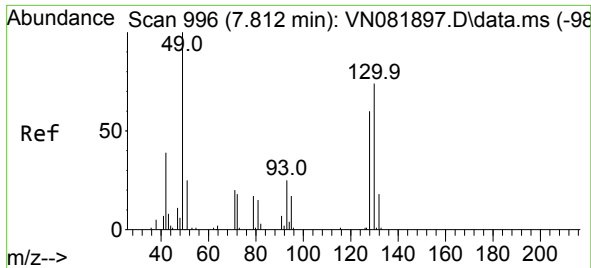
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 27 04:37:27 2024
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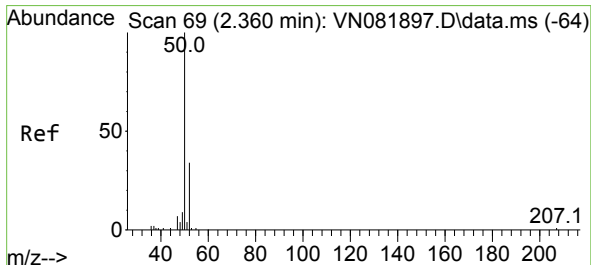
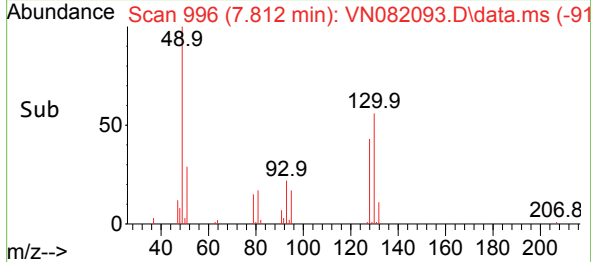
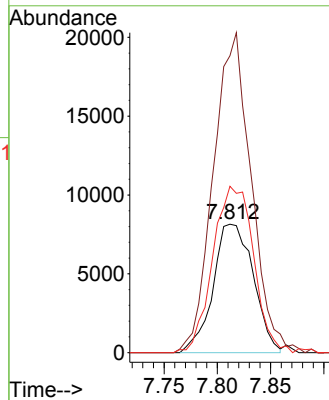
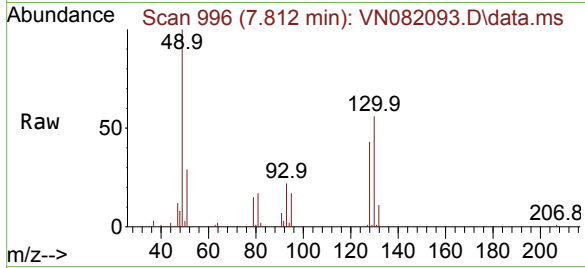




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

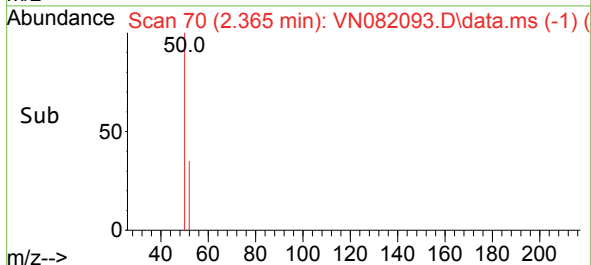
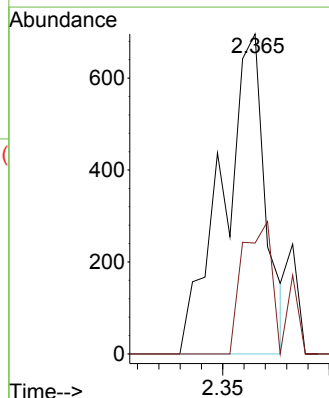
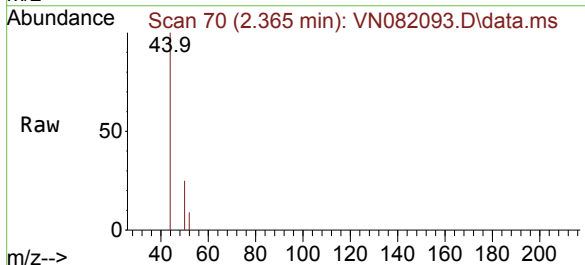
Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

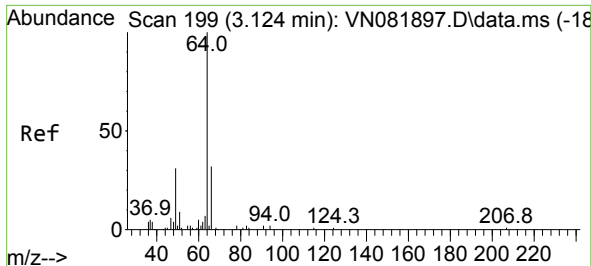
Tgt Ion:128 Resp: 21412
Ion Ratio Lower Upper
128 100
49 233.3 0.0 403.7
130 131.2 0.0 323.3



#3
Chloromethane
Concen: 0.686 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion: 50 Resp: 967
Ion Ratio Lower Upper
50 100
52 34.6 25.4 38.0

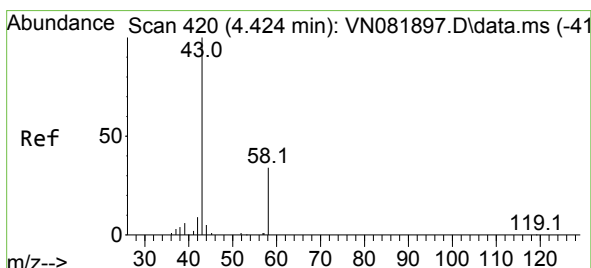
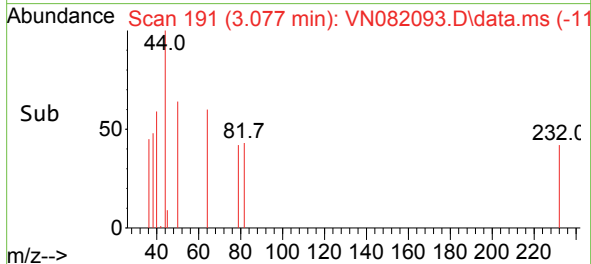
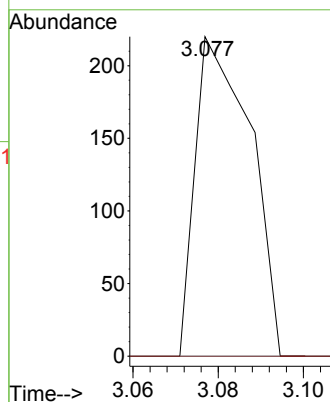
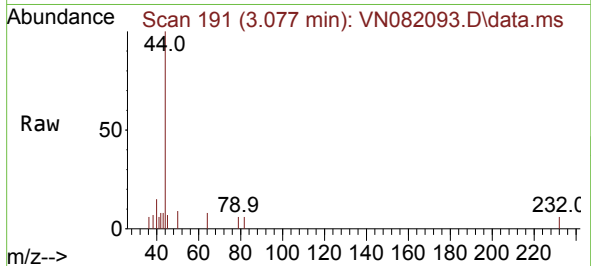




#6
Chloroethane
Concen: 0.263 ug/l
RT: 3.077 min Scan# 199
Delta R.T. -0.047 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

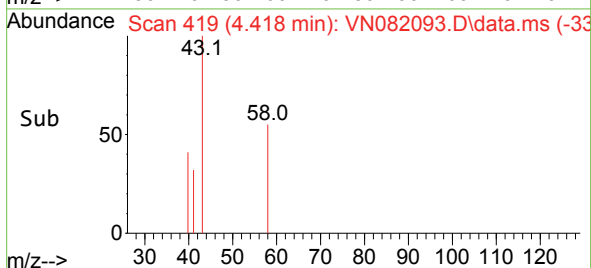
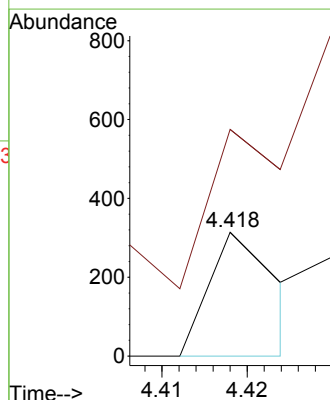
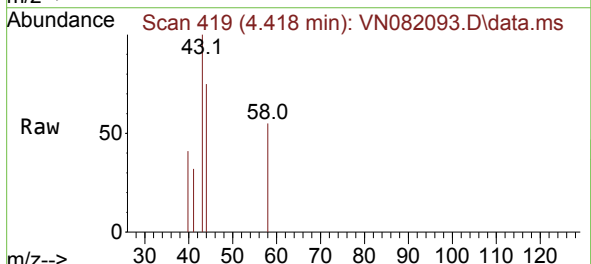
Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

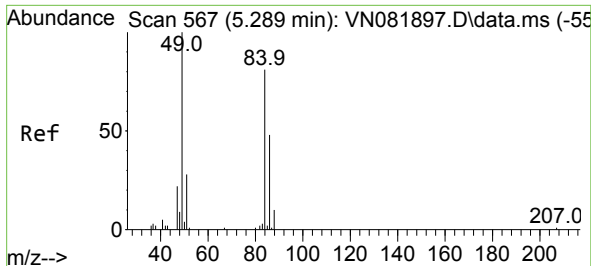
Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#15
Acetone
Concen: 1.058 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion: 58 Resp: 177
Ion Ratio Lower Upper
58 100
43 128.7 223.1 334.7#

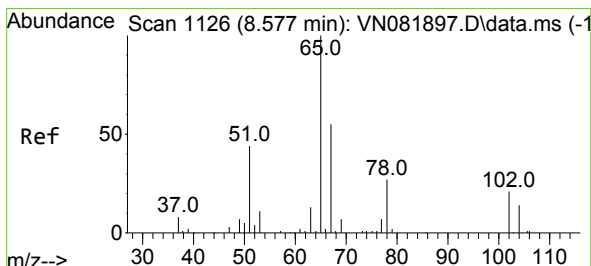
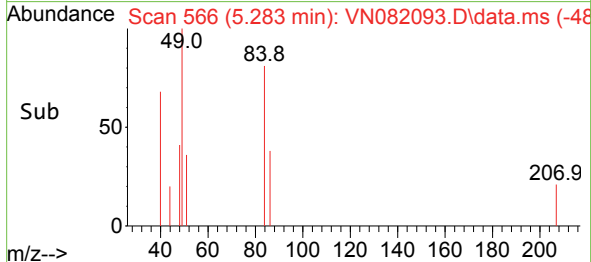
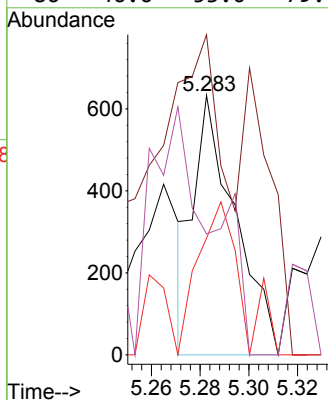
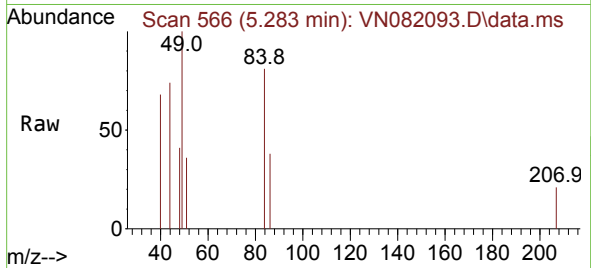




#18
Methylene Chloride
Concen: 0.498 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

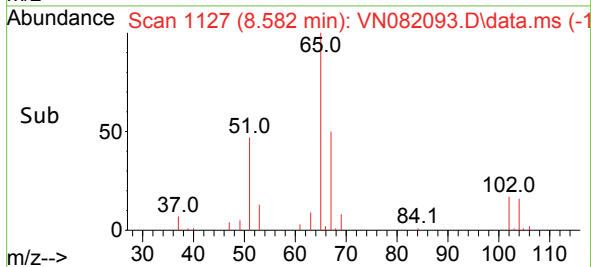
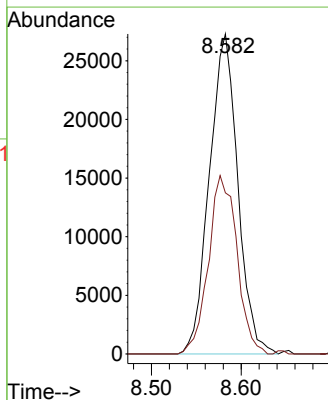
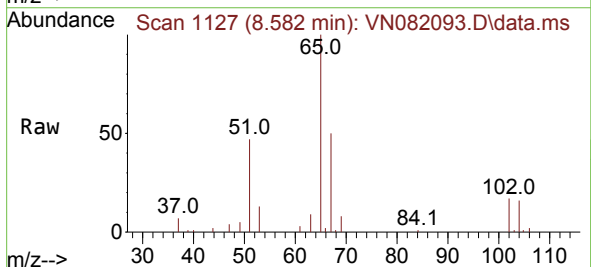
Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

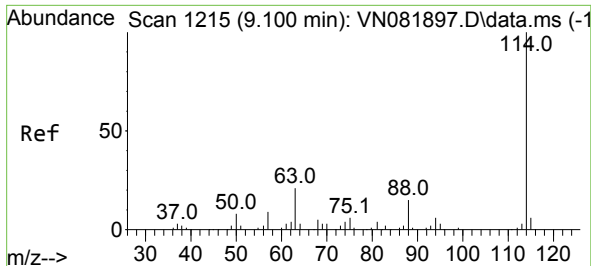
Tgt Ion:	84	Resp:	741
Ion	Ratio	Lower	Upper
84	100		
49	61.6	86.0	129.0#
51	44.9	30.0	45.0
86	46.6	53.0	79.4#



#27
1,2-Dichloroethane-d4
Concen: 33.501 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion:	65	Resp:	60058
Ion	Ratio	Lower	Upper
65	100		
67	55.9	43.2	64.8

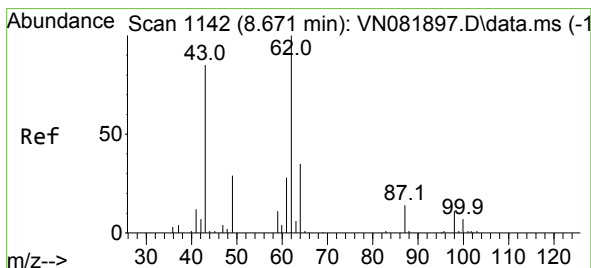
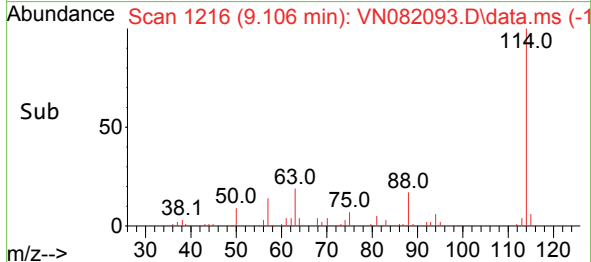
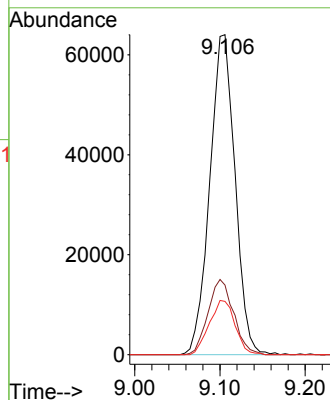
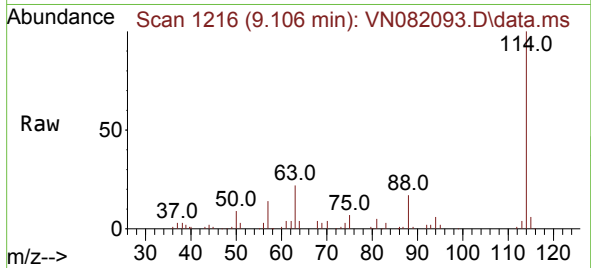




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

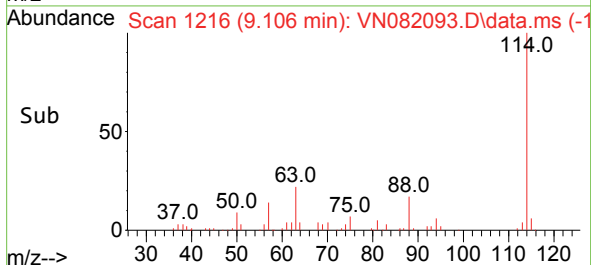
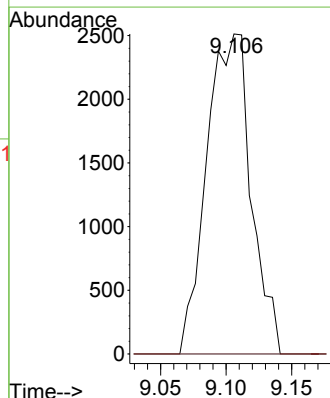
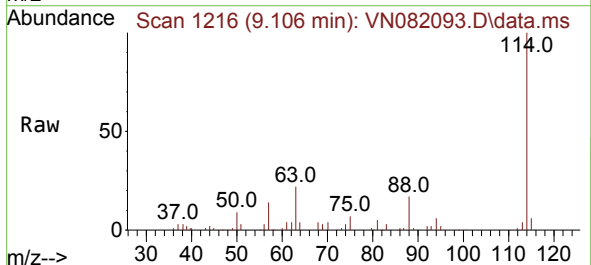
Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

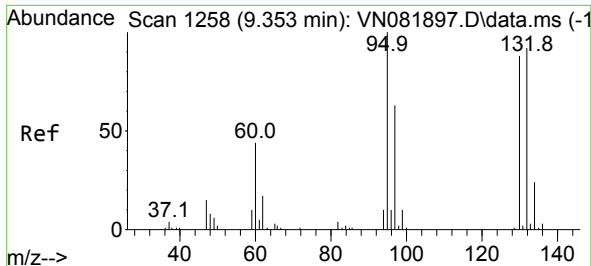
Tgt Ion:114 Resp: 132056
Ion Ratio Lower Upper
114 100
63 23.8 15.9 23.9
88 17.3 12.7 19.1



#36
1,2-Dichloroethane
Concen: 2.817 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion: 62 Resp: 5932
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#37

Trichloroethene

Concen: 0.405 ug/l

RT: 9.365 min Scan# 1125

Delta R.T. 0.012 min

Lab File: VN082093.D

Acq: 13 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

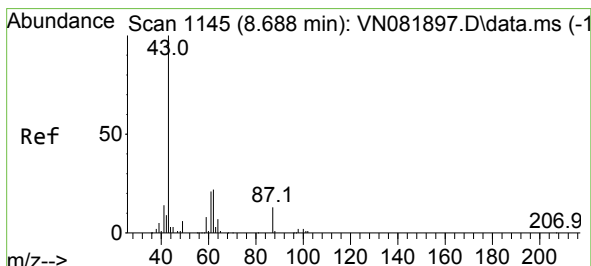
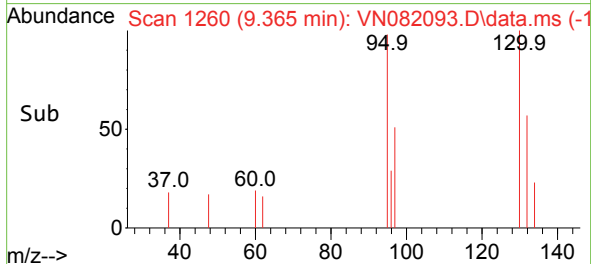
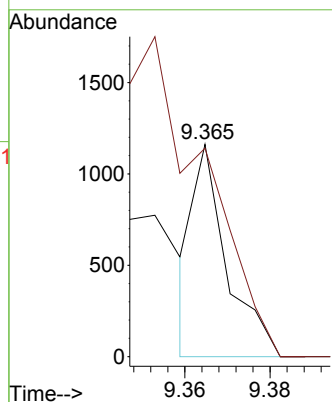
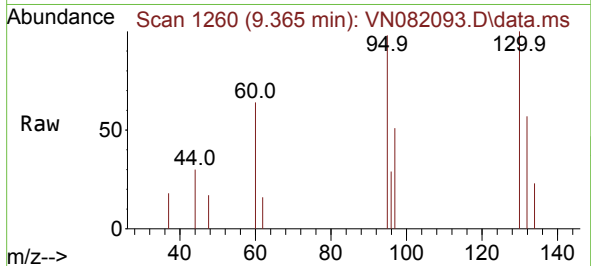
TT-060-IDWGW-20240509

Tgt Ion:130 Resp: 622

Ion Ratio Lower Upper

130 100

95 98.2 80.2 120.4



#44

Isopropyl Acetate

Concen: 1.144 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN082093.D

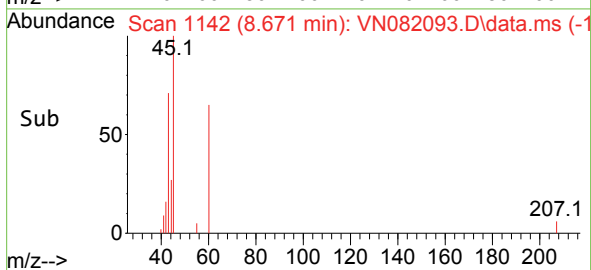
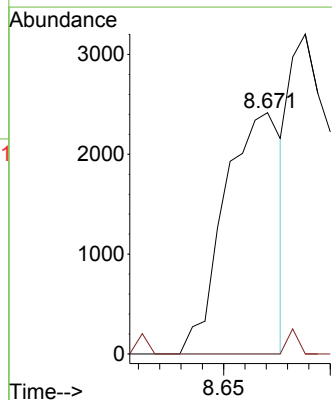
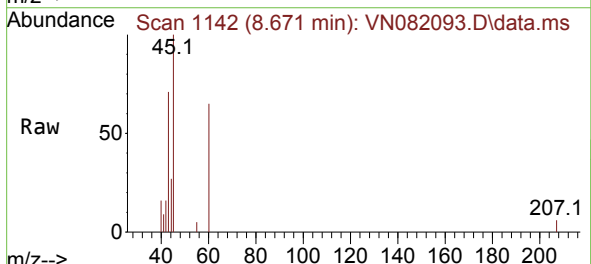
Acq: 13 May 2024 13:58

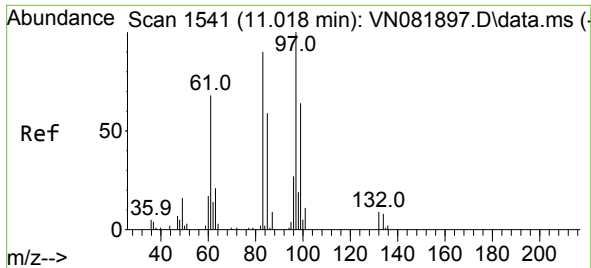
Tgt Ion: 43 Resp: 4488

Ion Ratio Lower Upper

43 100

61 26.3 25.0 37.4

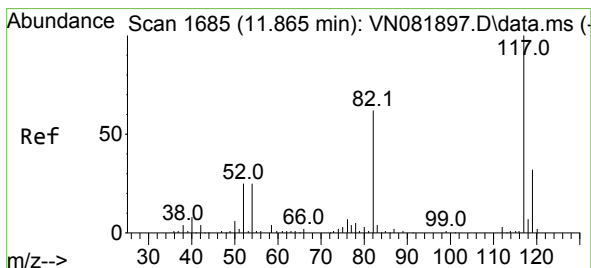
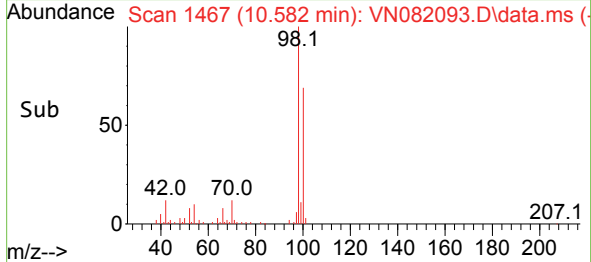
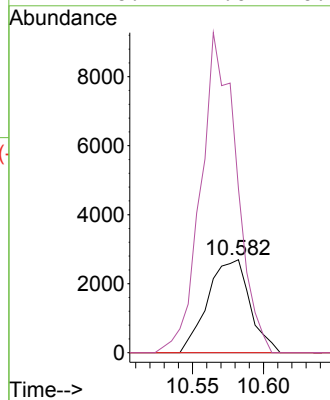
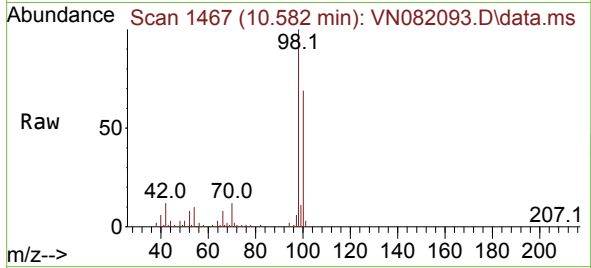




#50
1,1,2-Trichloroethane
Concen: 3.963 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.435 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

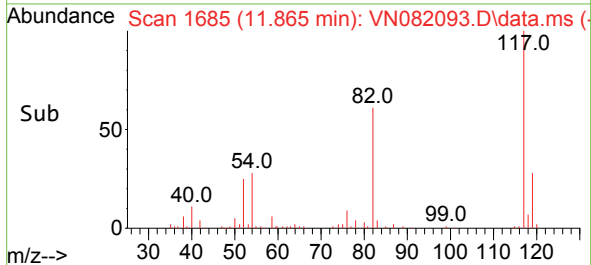
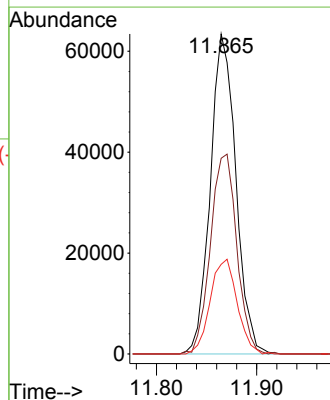
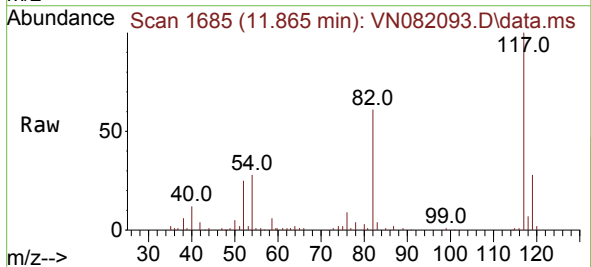
Instrument : MSVOA_N
ClientSampleId : TT-060-IDWGW-20240509

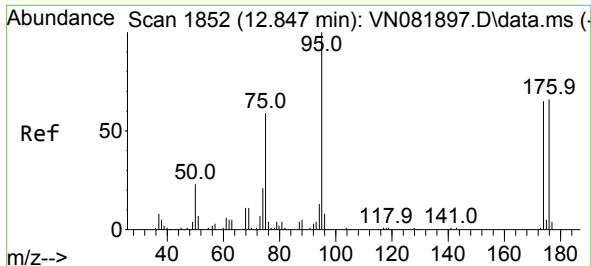
Tgt Ion:	97	Resp:	5559
Ion	Ratio	Lower	Upper
97	100		
83	6.3	68.1	102.1#
85	0.0	41.8	62.6#
99	176.7	47.0	70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion:	117	Resp:	112051
Ion	Ratio	Lower	Upper
117	100		
82	64.2	46.6	69.8
119	31.2	25.4	38.2

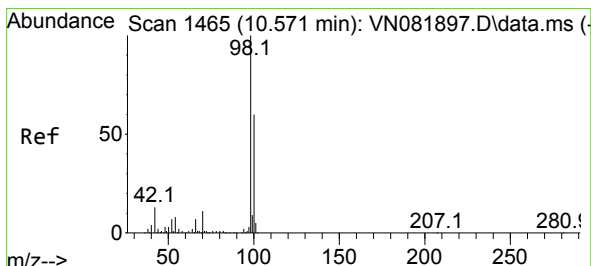
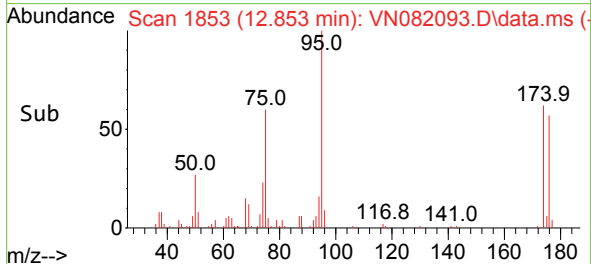
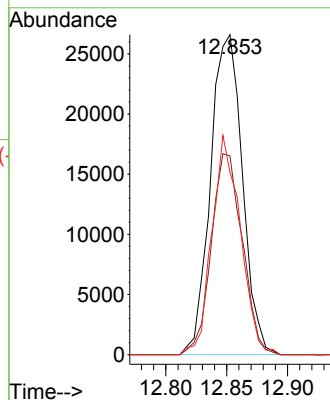
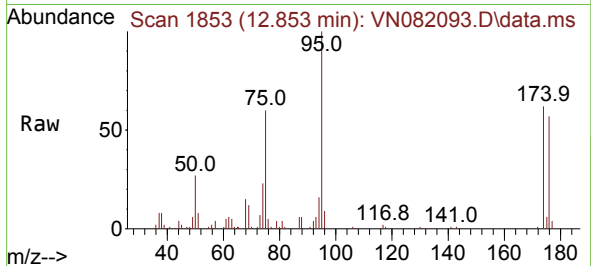




#60
4-Bromofluorobenzene
Concen: 26.033 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

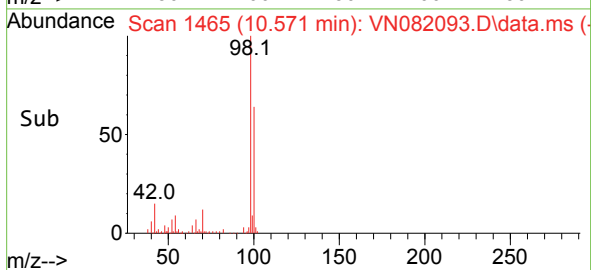
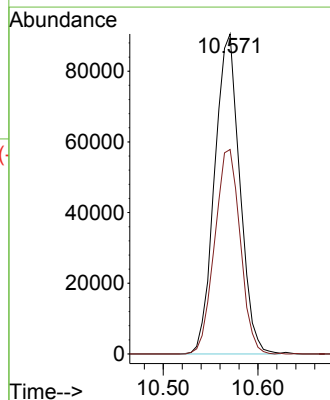
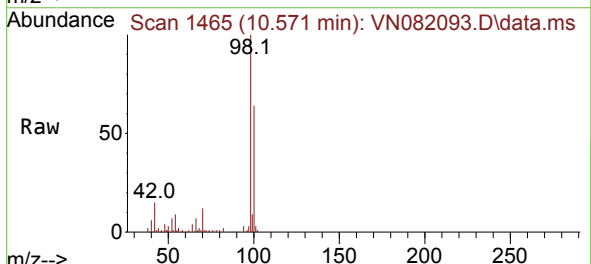
Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

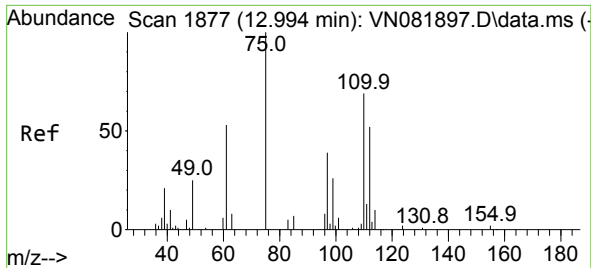
Tgt Ion: 95 Resp: 48545
Ion Ratio Lower Upper
95 100
174 61.0 60.5 90.7
176 61.1 57.8 86.6



#63
Toluene-d8
Concen: 31.396 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion: 98 Resp: 167069
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1

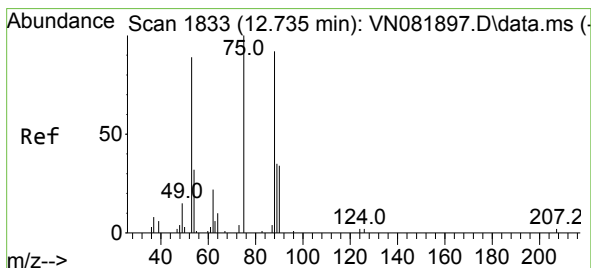
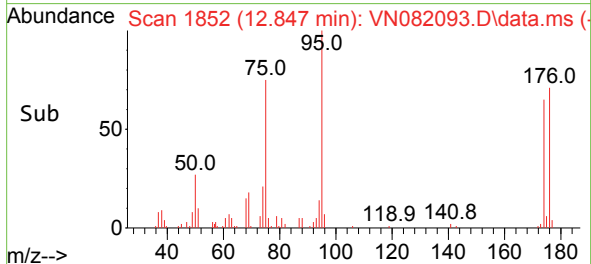
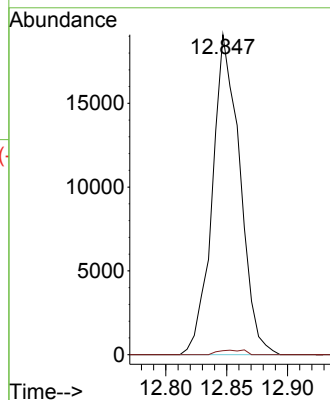
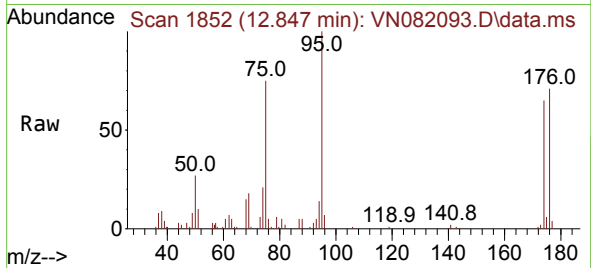




#72
1,2,3-Trichloropropane
Concen: 17.414 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Instrument :
MSVOA_N
ClientSampleId :
TT-060-IDWGW-20240509

Tgt Ion: 75 Resp: 30164
Ion Ratio Lower Upper
75 100
77 1.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 39.125 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082093.D
Acq: 13 May 2024 13:58

Tgt Ion: 75 Resp: 30164
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

