

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081914.D
 Acq On : 29 Apr 2024 15:08
 Operator : JC\MD
 Sample : P2291-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:38:26 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)

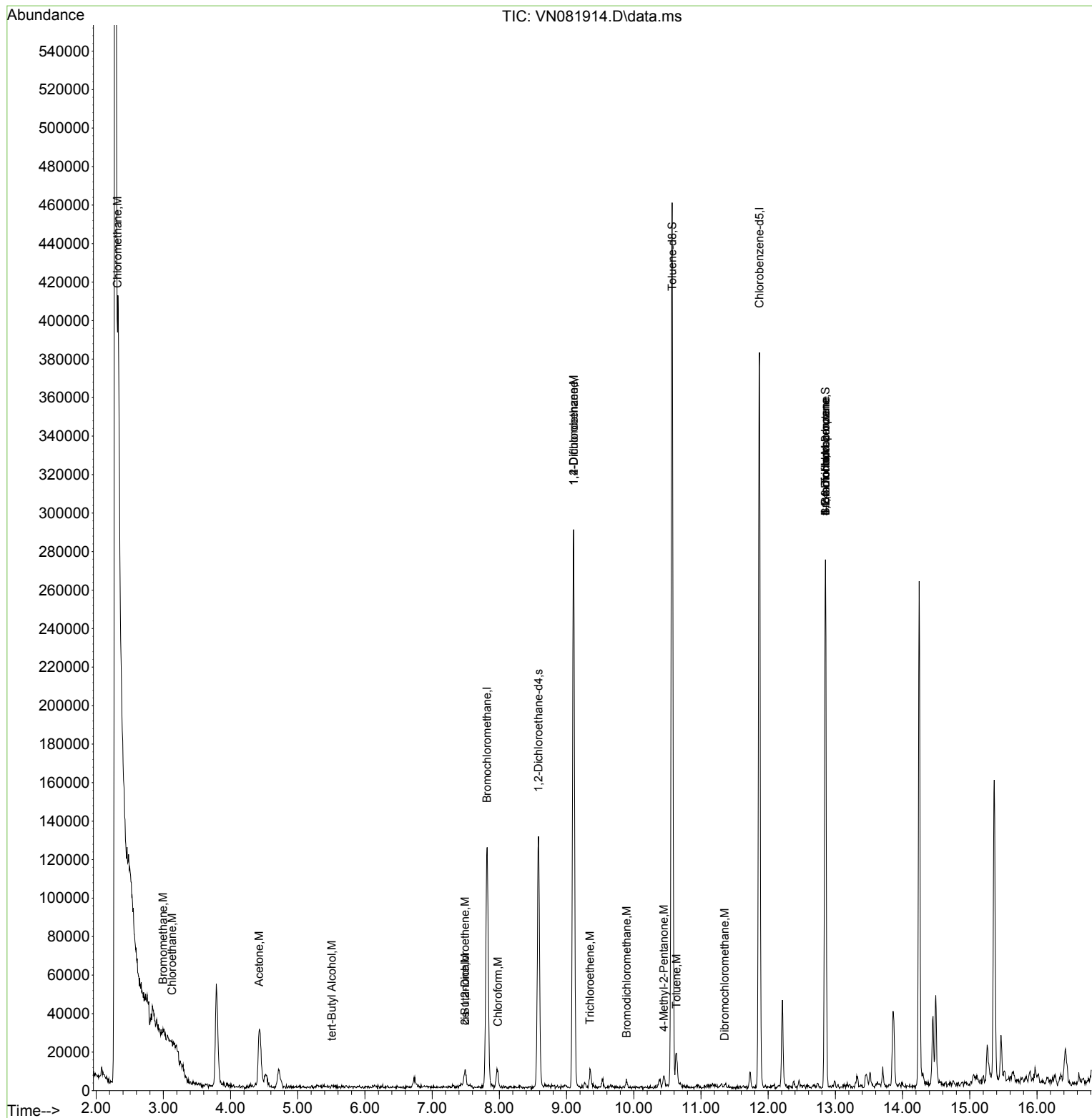
Internal Standards						
1) Bromochloromethane	7.818	128	41849	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	250543	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	210691	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	104537	29.835	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.467%
60) 4-Bromofluorobenzene	12.853	95	99589	28.402	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.667%
63) Toluene-d8	10.570	98	306744	30.657	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.318	50	1249	0.453	ug/l #	43
5) Bromomethane	2.994	94	358	0.264	ug/l	97
6) Chloroethane	3.130	64	1498	1.016	ug/l #	51
15) Acetone	4.424	58	9300	28.434	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	3024	0.933	ug/l #	89
23) tert-Butyl Alcohol	5.506	59	399	0.664	ug/l #	100
25) Chloroform	7.977	83	8677	1.717	ug/l	85
30) 2-Butanone	7.488	43	3794	1.973	ug/l #	74
36) 1,2-Dichloroethane	9.106	62	9181	2.298	ug/l #	72
37) Trichloroethene	9.347	130	2063	0.708	ug/l #	74
41) Bromodichloromethane	9.894	83	1220	0.291	ug/l #	89
53) Dibromochloromethane	11.353	129	1060	0.366	ug/l	92
56) Bromoform	12.853	173	461	0.262	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	4070	0.995	ug/l #	75
62) Toluene	10.635	91	12634	1.066	ug/l	94
72) 1,2,3-Trichloropropane	12.853	75	54607	16.766	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	54607	37.669	ug/l #	12

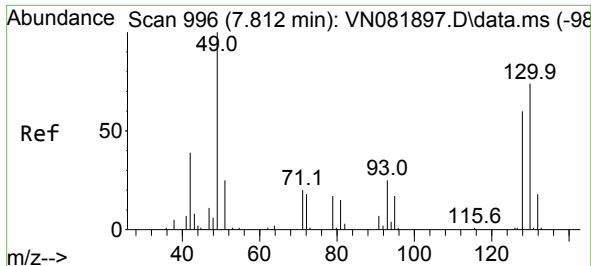
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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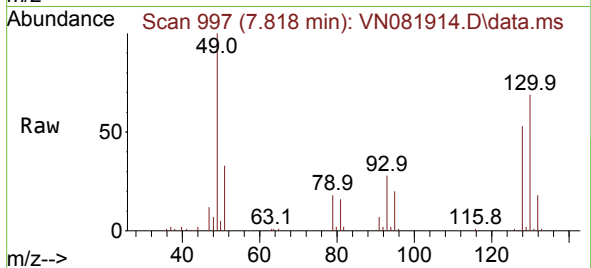
Quant Time: Apr 30 04:38:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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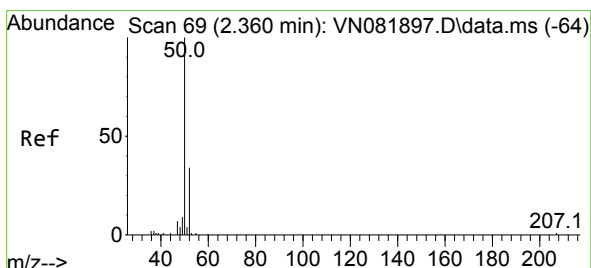
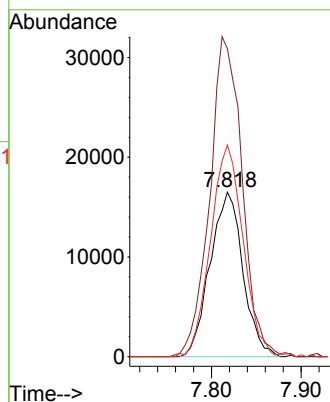
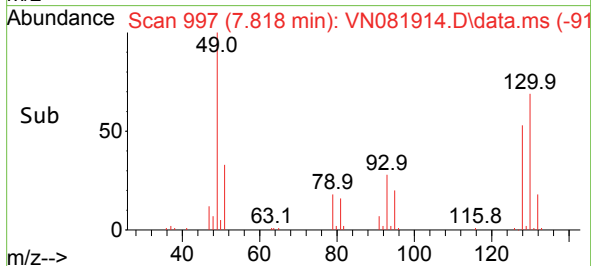


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Instrument :
MSVOA_N
ClientSampleId :

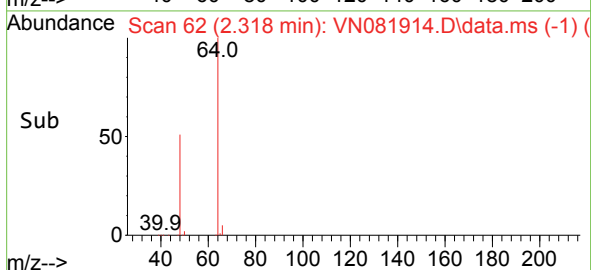
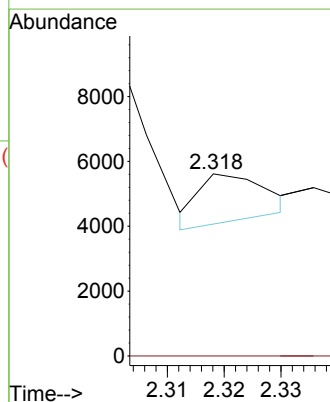
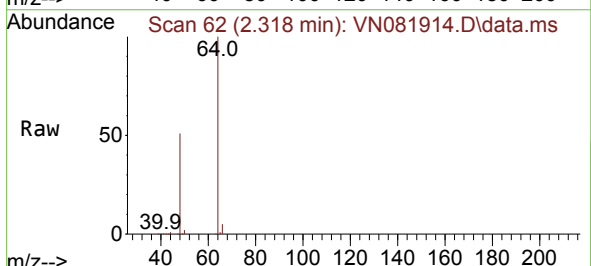


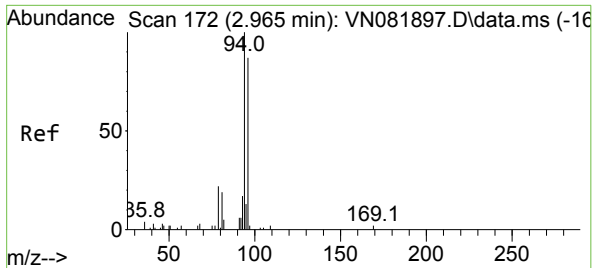
Tgt Ion:128 Resp: 41849
Ion Ratio Lower Upper
128 100
49 191.5 0.0 403.7
130 127.5 0.0 323.3



#3
Chloromethane
Concen: 0.453 ug/l
RT: 2.318 min Scan# 62
Delta R.T. -0.041 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Tgt Ion: 50 Resp: 1249
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

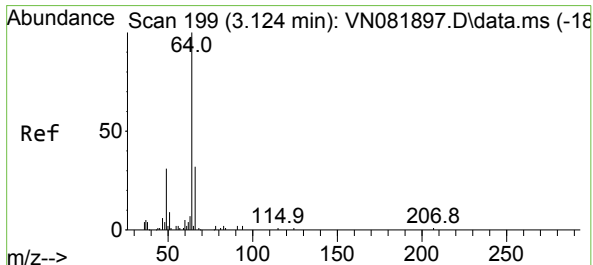
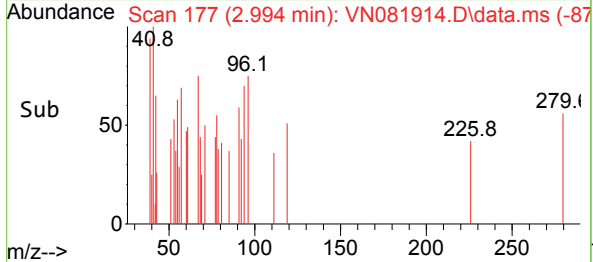
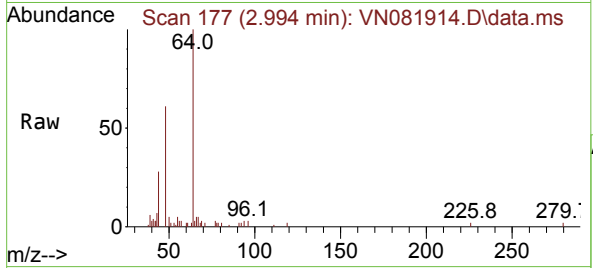




#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.994 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

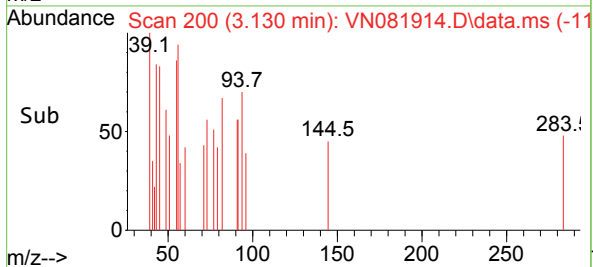
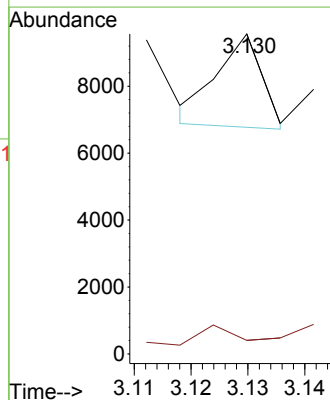
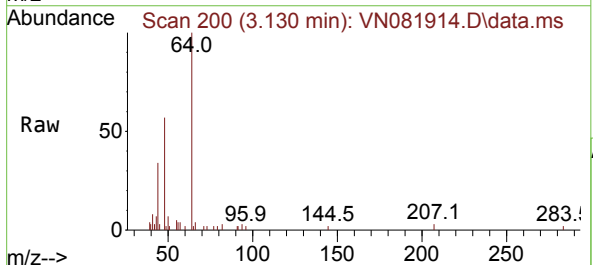
Instrument :
MSVOA_N
ClientSampleId :

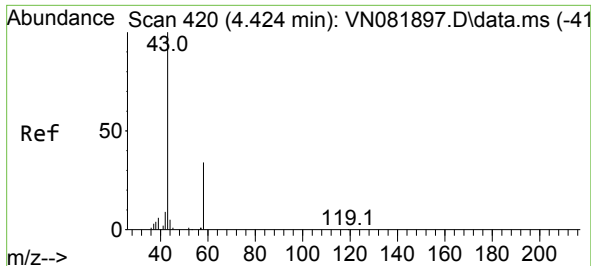
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 94.1 72.8 109.2



#6
Chloroethane
Concen: 1.016 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Tgt Ion: 64 Resp: 1498
Ion Ratio Lower Upper
64 100
66 5.4 26.7 40.1#





#15

Acetone

Concen: 28.434 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN081914.D

Acq: 29 Apr 2024 15:08

Instrument :

MSVOA_N

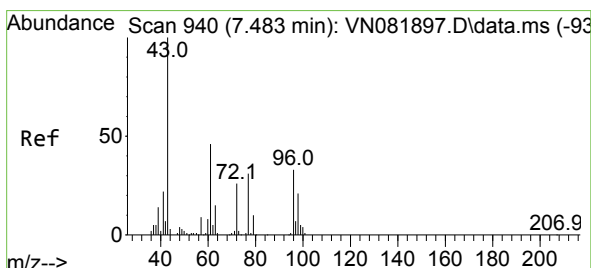
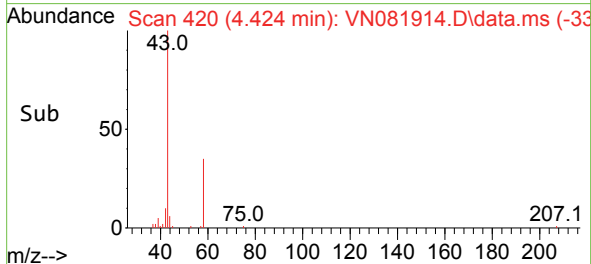
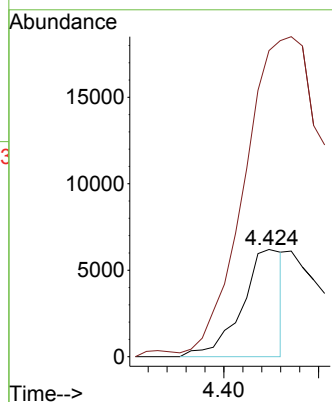
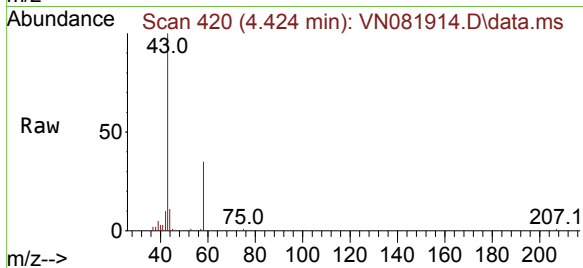
ClientSampleId :

Tgt Ion: 58 Resp: 9300

Ion Ratio Lower Upper

58 100

43 281.8 223.1 334.7



#22

cis-1,2-Dichloroethene

Concen: 0.933 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081914.D

Acq: 29 Apr 2024 15:08

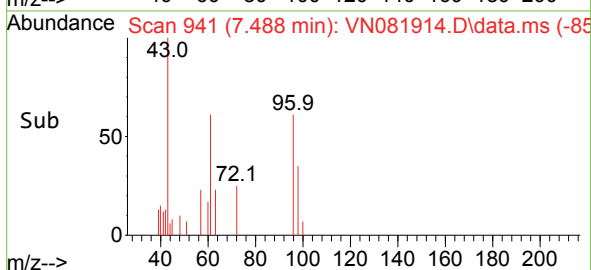
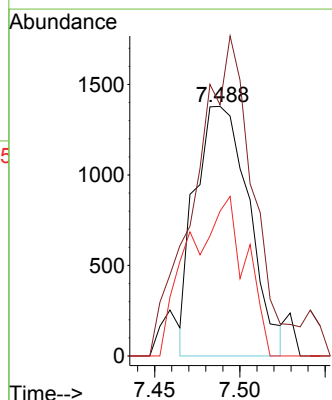
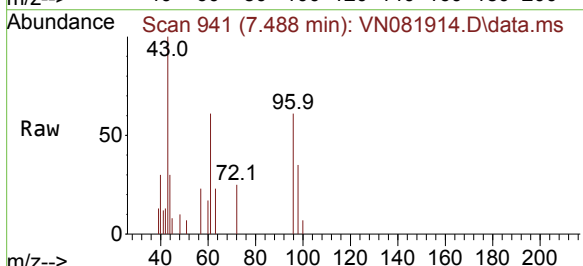
Tgt Ion: 96 Resp: 3024

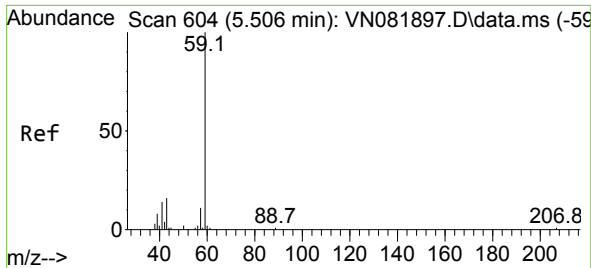
Ion Ratio Lower Upper

96 100

61 138.4 113.5 170.3

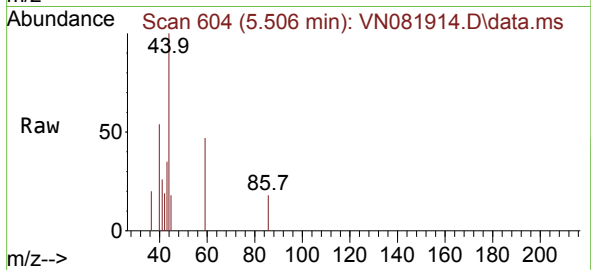
98 42.8 52.0 78.0#



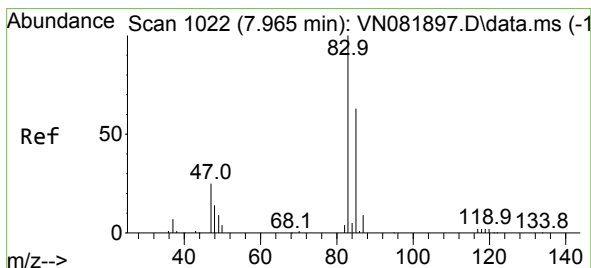
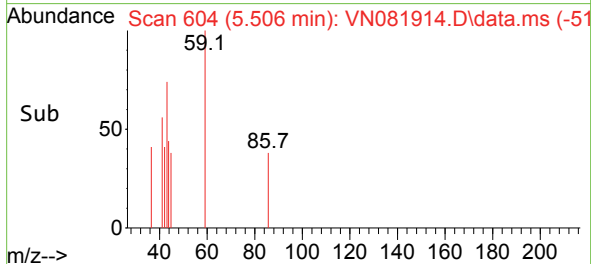
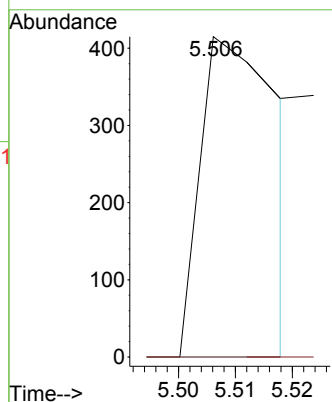


#23
tert-Butyl Alcohol
Concen: 0.664 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Instrument :
MSVOA_N
ClientSampleId :

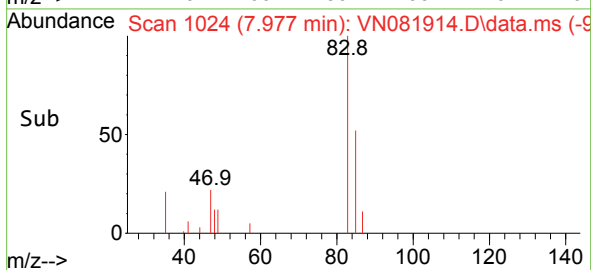
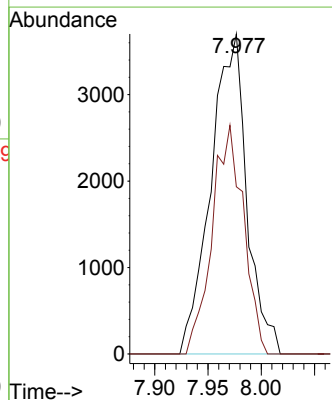
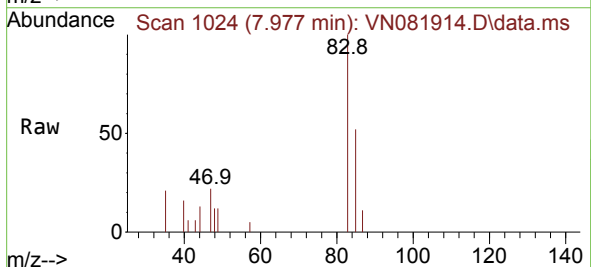


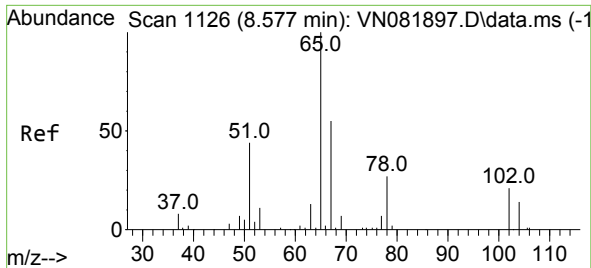
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.717 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Tgt Ion: 83 Resp: 8677
Ion Ratio Lower Upper
83 100
85 52.2 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 29.835 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081914.D

Acq: 29 Apr 2024 15:08

Instrument :

MSVOA_N

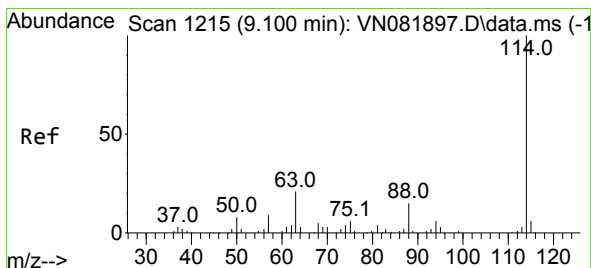
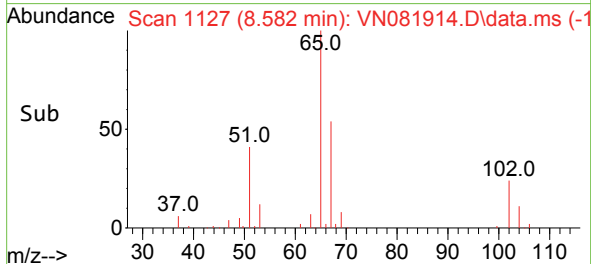
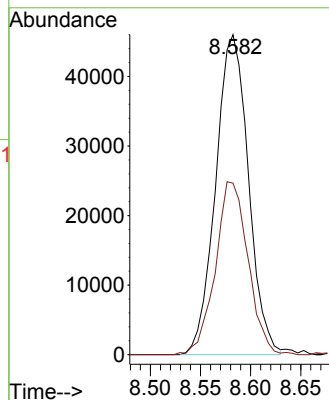
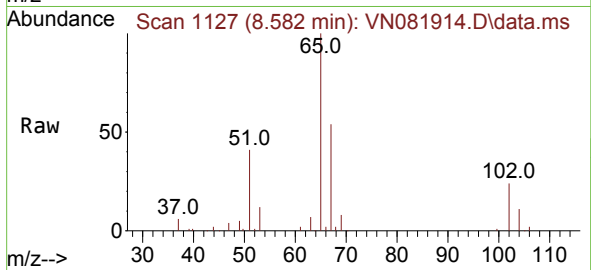
ClientSampleId :

Tgt Ion: 65 Resp: 104537

Ion Ratio Lower Upper

65 100

67 53.7 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081914.D

Acq: 29 Apr 2024 15:08

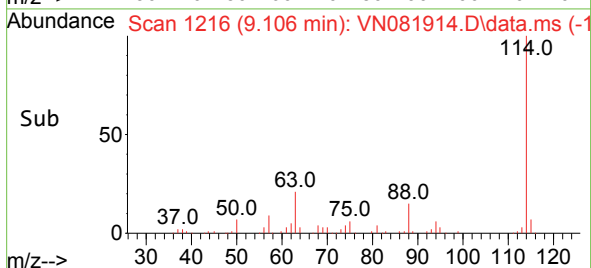
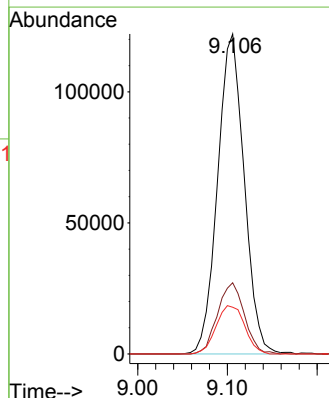
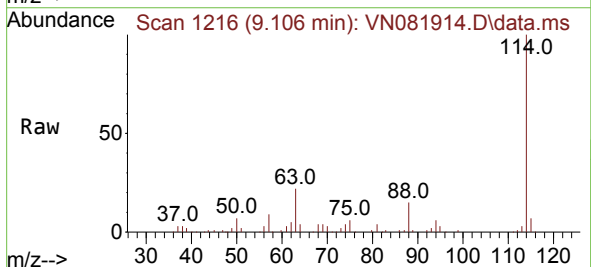
Tgt Ion: 114 Resp: 250543

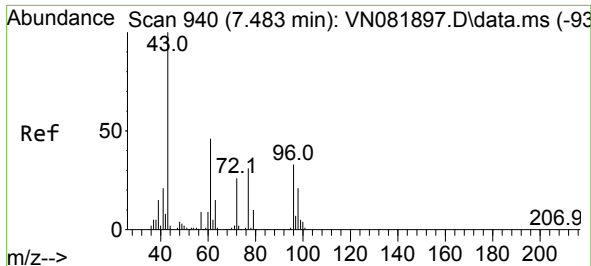
Ion Ratio Lower Upper

114 100

63 22.5 15.9 23.9

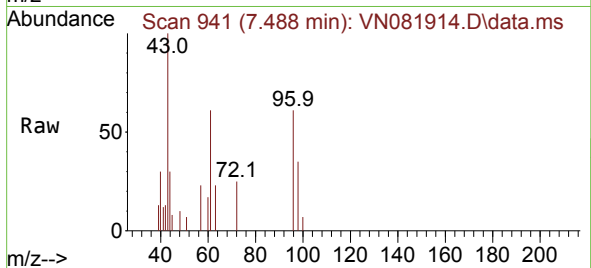
88 16.3 12.7 19.1



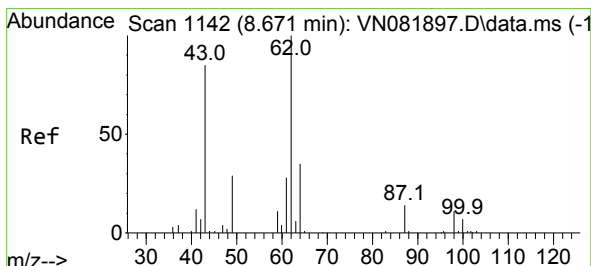
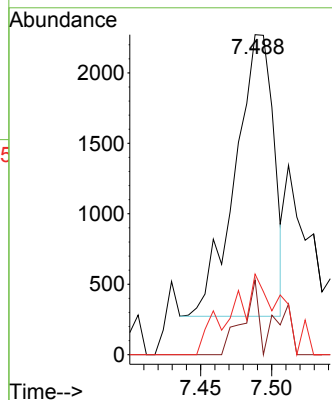
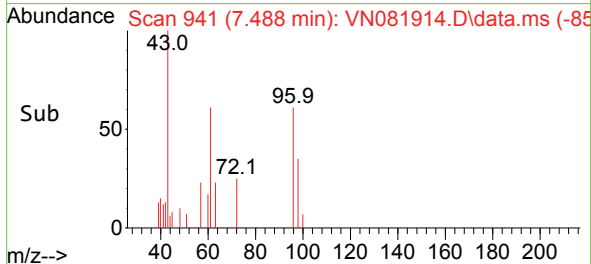


#30
2-Butanone
Concen: 1.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Instrument :
MSVOA_N
ClientSampleId :

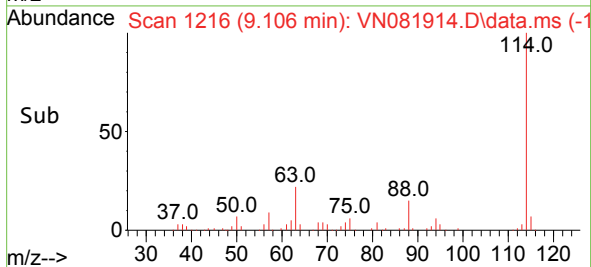
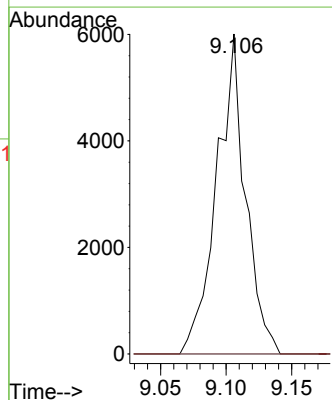
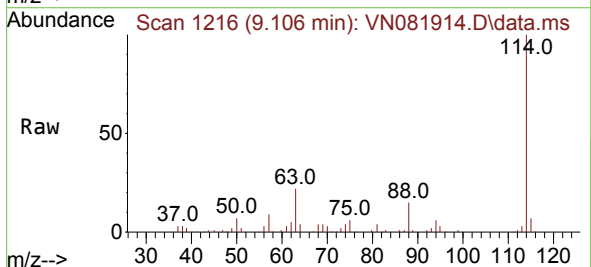


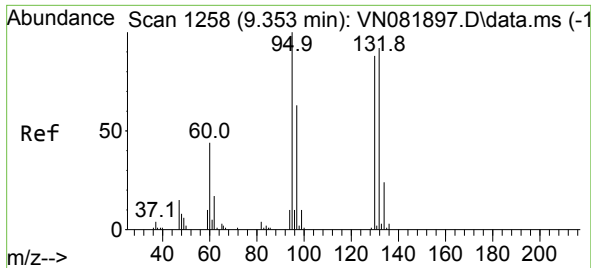
Tgt Ion: 43 Resp: 3794
Ion Ratio Lower Upper
43 100
57 7.0 6.7 10.1
72 12.4 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.298 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

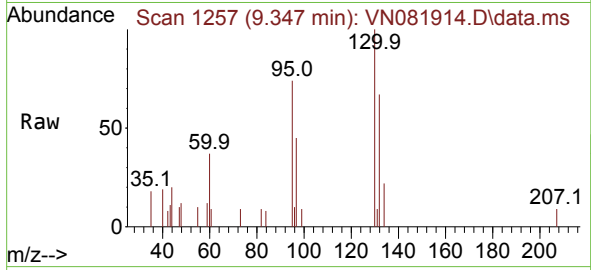
Tgt Ion: 62 Resp: 9181
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



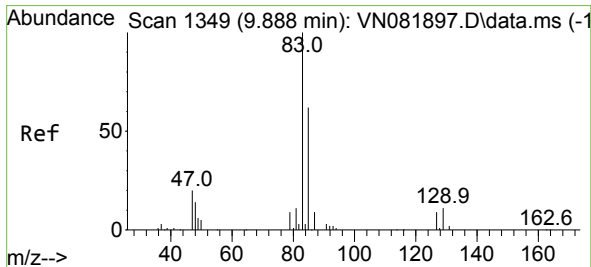
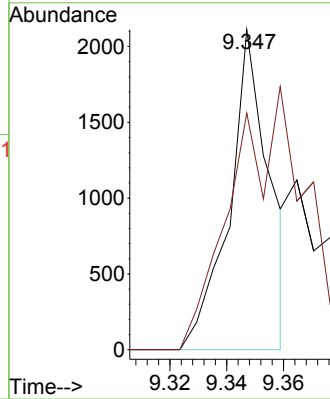
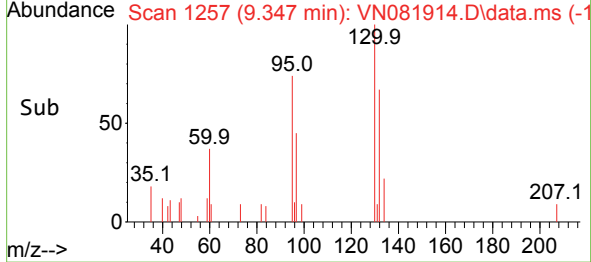


#37
Trichloroethene
Concen: 0.708 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Instrument :
MSVOA_N
ClientSampleId :

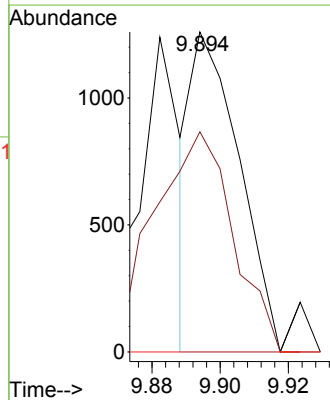
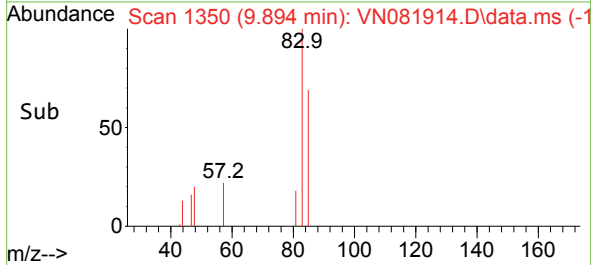
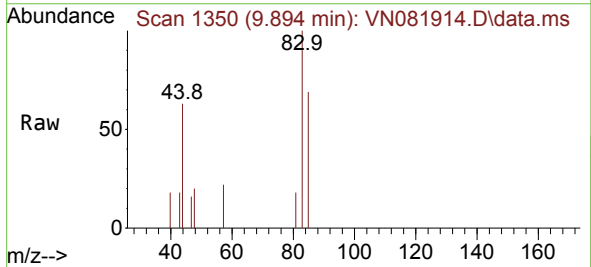


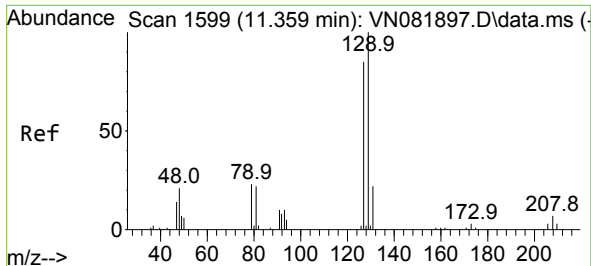
Tgt Ion:130 Resp: 2063
Ion Ratio Lower Upper
130 100
95 73.9 80.2 120.4#



#41
Bromodichloromethane
Concen: 0.291 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

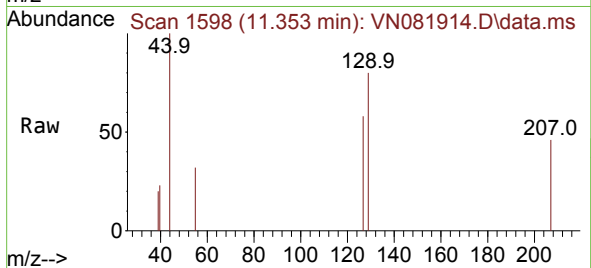
Tgt Ion: 83 Resp: 1220
Ion Ratio Lower Upper
83 100
85 68.8 49.4 74.2
127 0.0 7.3 10.9#



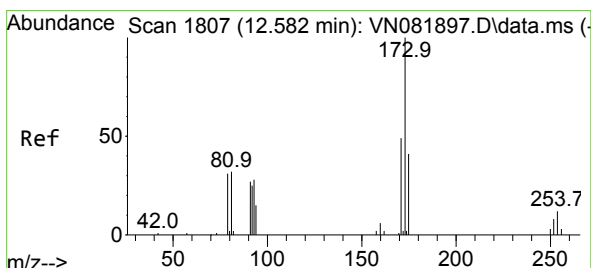
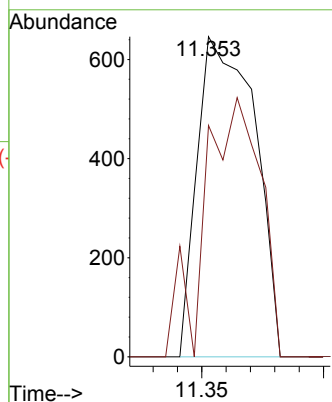
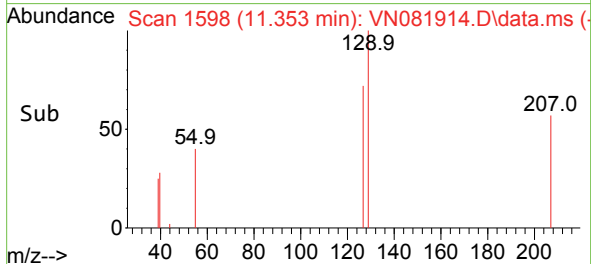


#53
 Dibromochloromethane
 Concen: 0.366 ug/l
 RT: 11.353 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN081914.D
 Acq: 29 Apr 2024 15:08

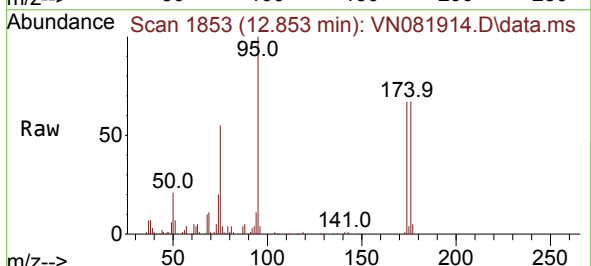
Instrument :
 MSVOA_N
 ClientSampleId :



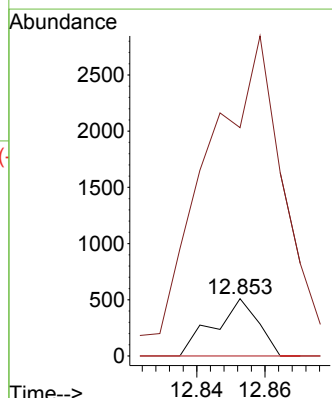
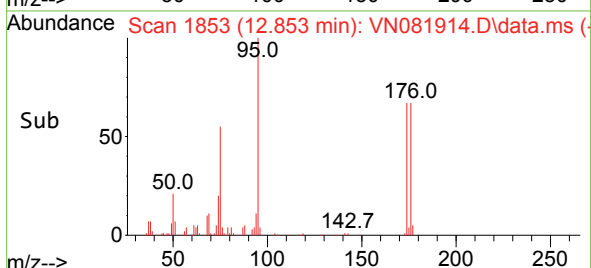
Tgt Ion:129 Resp: 1060
 Ion Ratio Lower Upper
 129 100
 127 71.8 39.4 118.1

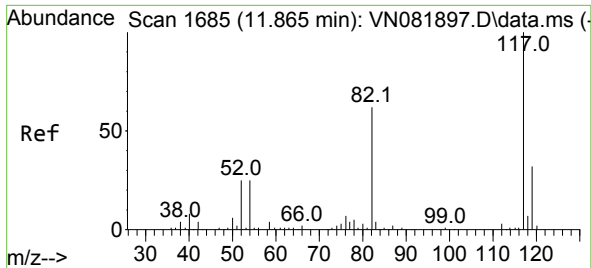


#56
 Bromoform
 Concen: 0.262 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.270 min
 Lab File: VN081914.D
 Acq: 29 Apr 2024 15:08



Tgt Ion:173 Resp: 461
 Ion Ratio Lower Upper
 173 100
 175 977.0 40.0 60.0#
 254 0.0 8.3 12.5#

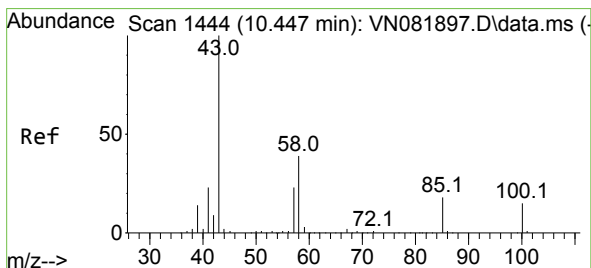
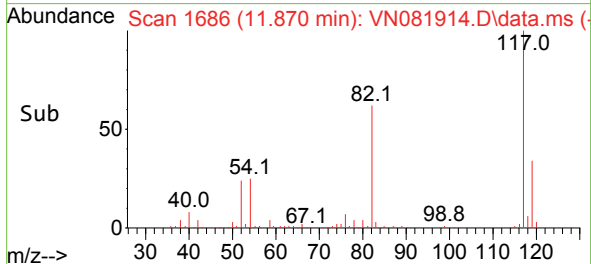
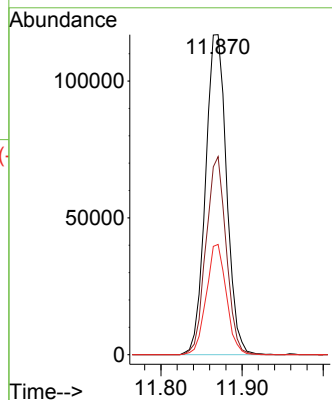
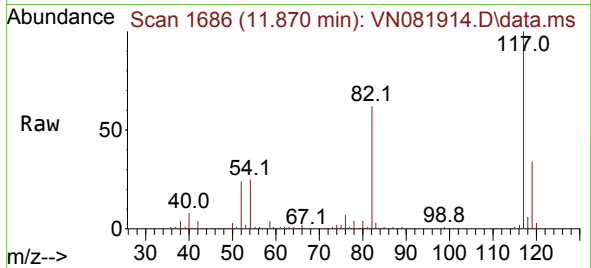




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

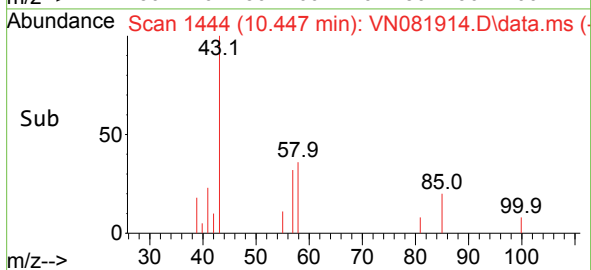
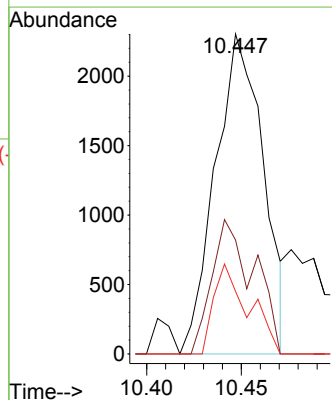
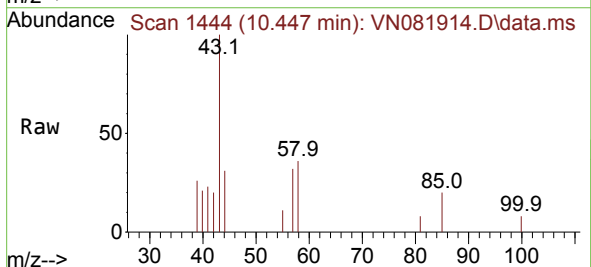
Instrument :
MSVOA_N
ClientSampleId :

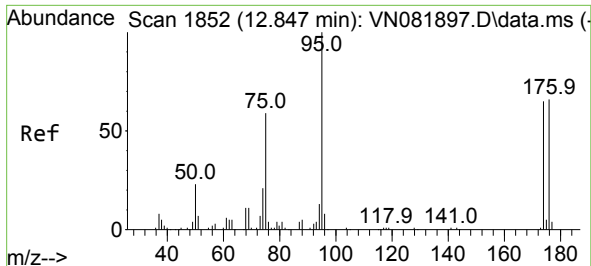
Tgt Ion:117 Resp: 210691
Ion Ratio Lower Upper
117 100
82 59.4 46.6 69.8
119 32.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.995 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Tgt Ion: 43 Resp: 4070
Ion Ratio Lower Upper
43 100
58 26.9 36.5 54.7#
85 15.3 19.5 29.3#

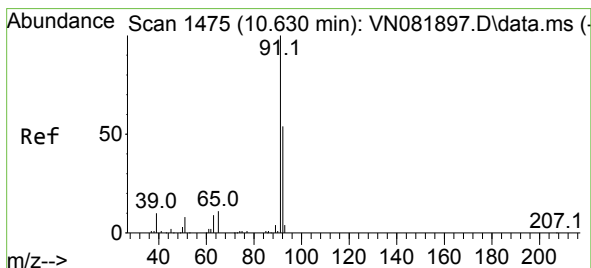
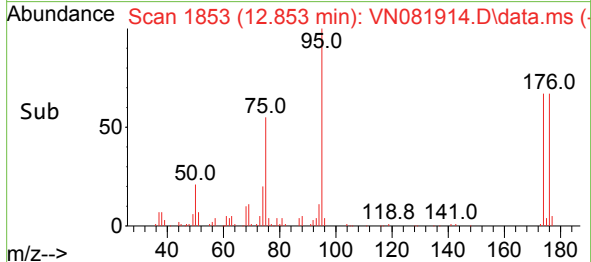
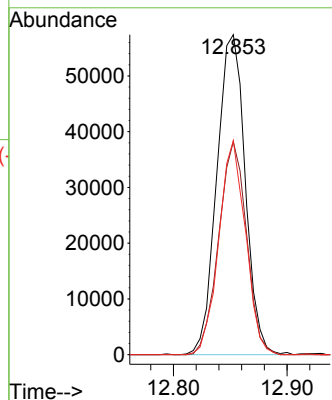
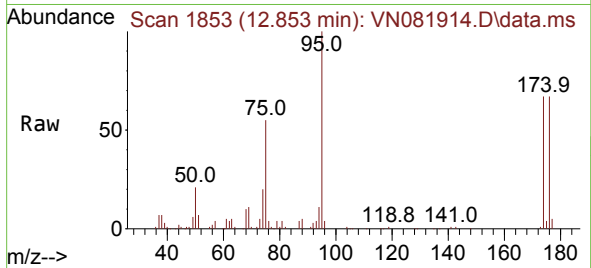




#60
4-Bromofluorobenzene
Concen: 28.402 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

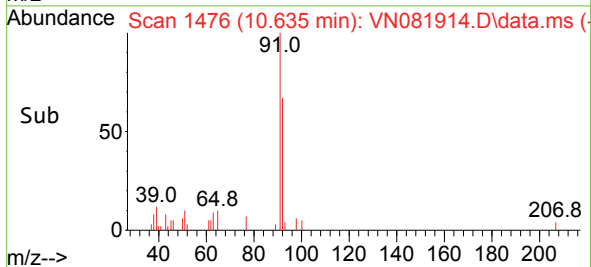
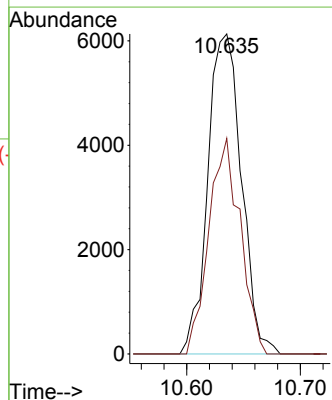
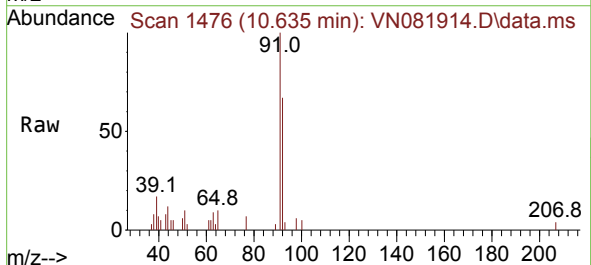
Instrument :
MSVOA_N
ClientSampleId :

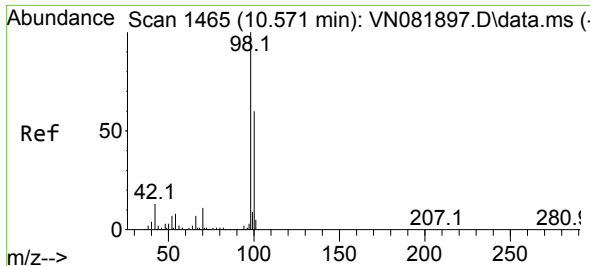
Tgt Ion: 95 Resp: 99589
Ion Ratio Lower Upper
95 100
174 65.2 60.5 90.7
176 63.0 57.8 86.6



#62
Toluene
Concen: 1.066 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

Tgt Ion: 91 Resp: 12634
Ion Ratio Lower Upper
91 100
92 62.9 46.5 69.7

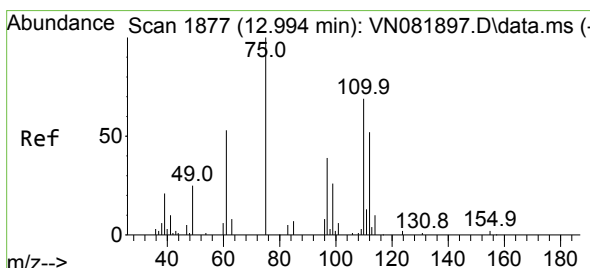
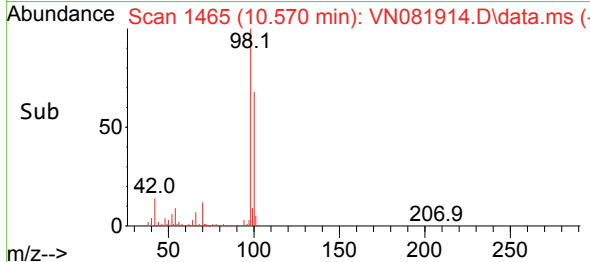
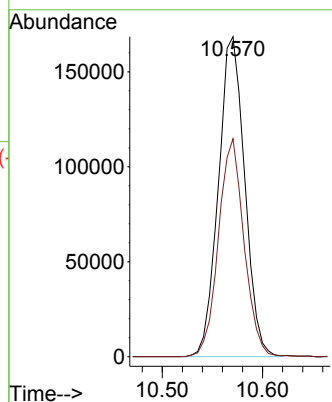
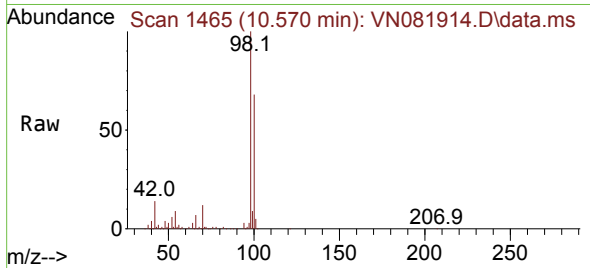




#63
Toluene-d8
Concen: 30.657 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

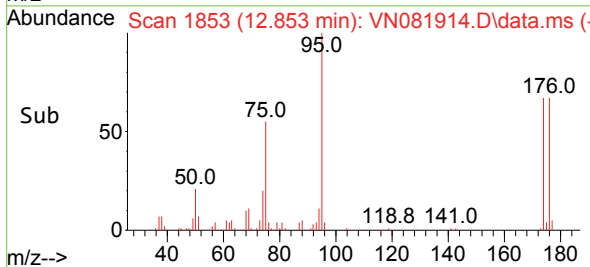
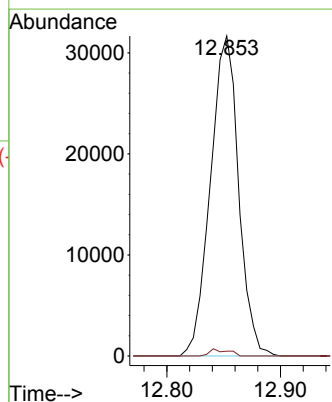
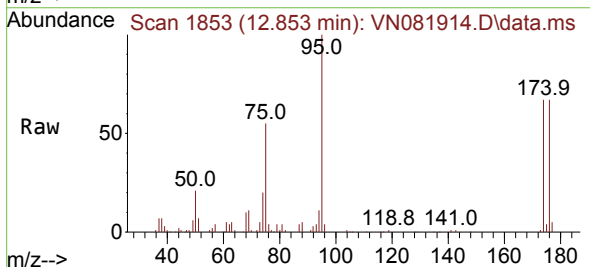
Instrument :
MSVOA_N
ClientSampleId :

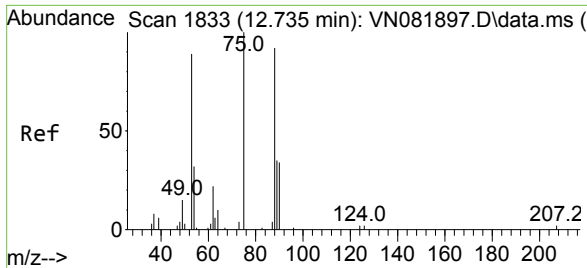
Tgt Ion: 98 Resp: 306744
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.766 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081914.D
Acq: 29 Apr 2024 15:08

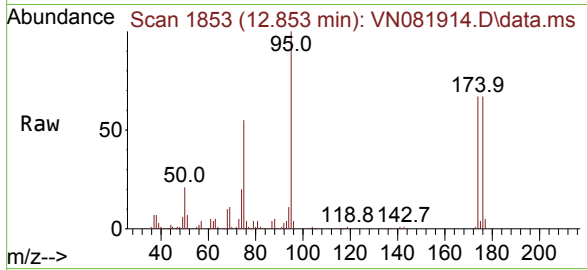
Tgt Ion: 75 Resp: 54607
Ion Ratio Lower Upper
75 100
77 0.6 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.669 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN081914.D
 Acq: 29 Apr 2024 15:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	54607
Ion Ratio	Lower	Upper	
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

