

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080991.D
 Acq On : 09 Feb 2024 15:58
 Operator : JC\MD
 Sample : P1415-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 02:03:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:52:21 2024
 Response via : Initial Calibration

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

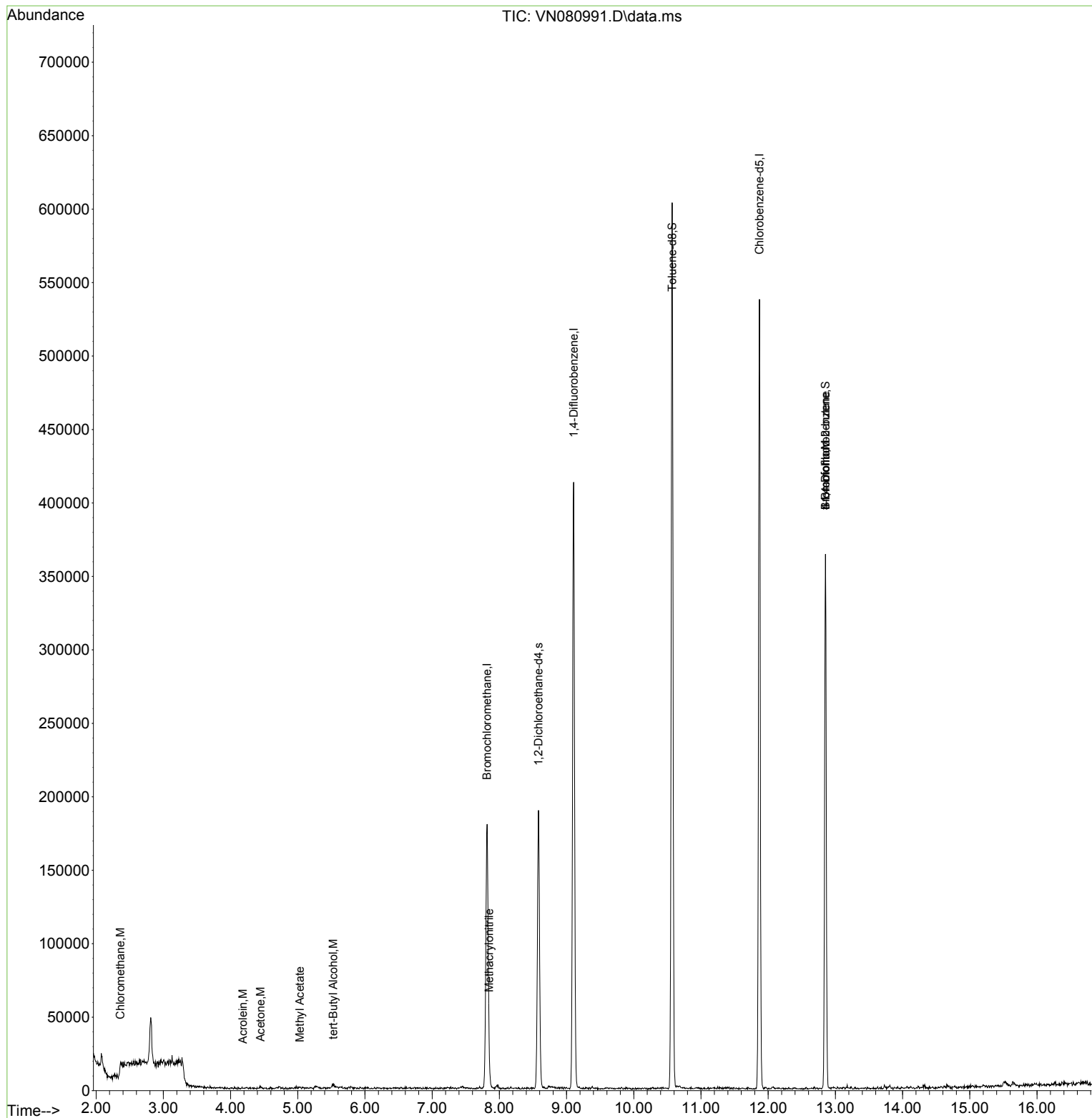
Internal Standards						
1) Bromochloromethane	7.818	128	64034	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	358221	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	311404	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	147676	30.692	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.300%
60) 4-Bromofluorobenzene	12.853	95	127501	26.782	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.267%
63) Toluene-d8	10.571	98	421241	30.143	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.467%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1876	0.429	ug/l	94
12) Methyl Acetate	5.030	43	726	0.219	ug/l #	40
13) Acrolein	4.183	56	301	0.417	ug/l #	15
15) Acetone	4.448	58	185	0.489	ug/l #	1
23) tert-Butyl Alcohol	5.530	59	942	1.573	ug/l #	100
35) Methacrylonitrile	7.847	41	533	0.232	ug/l #	22
56) Bromoform	12.853	173	1577	0.558	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	66888	43.529	ug/l #	12

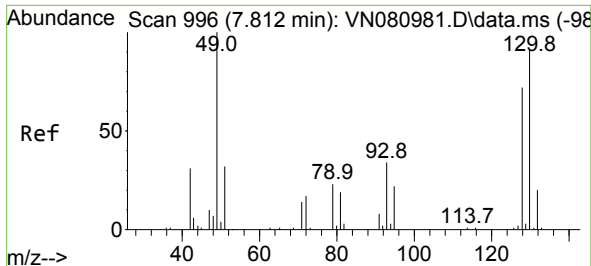
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN080991.D
Acq On : 09 Feb 2024 15:58
Operator : JC\MD
Sample : P1415-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

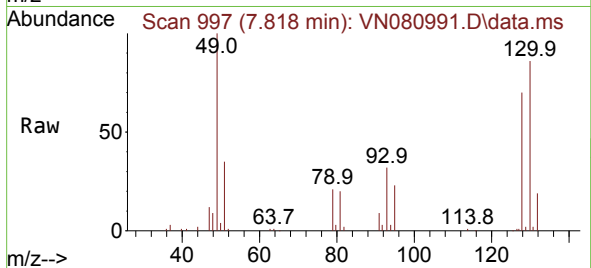
Quant Time: Feb 10 02:03:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 10 01:52:21 2024
Response via : Initial Calibration



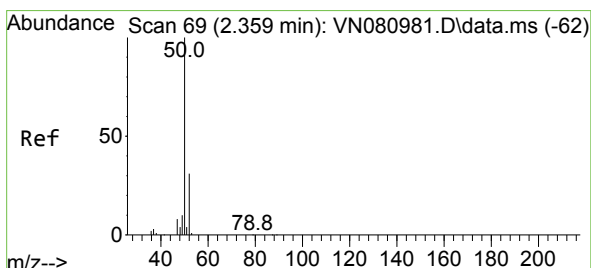
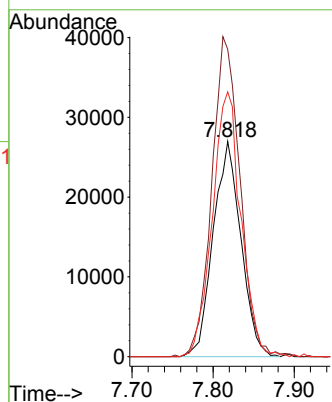
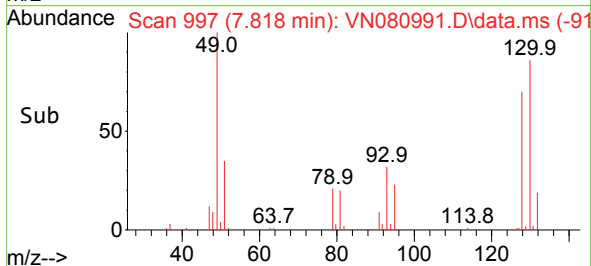


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :

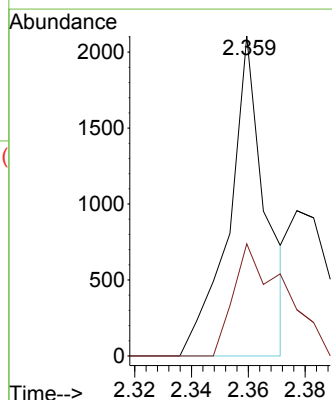
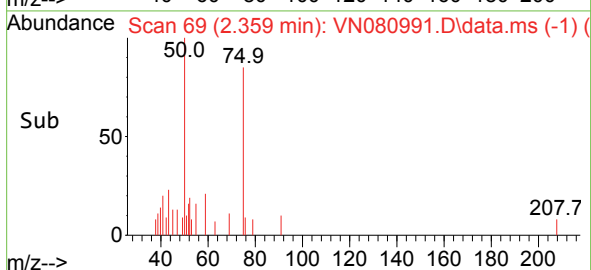
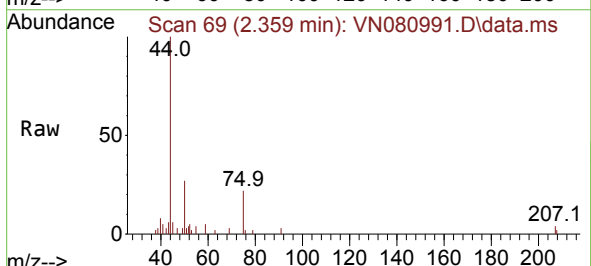


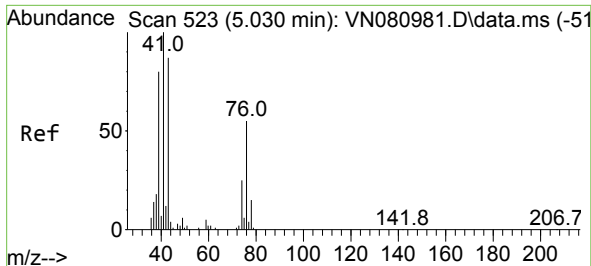
Tgt Ion:128 Resp: 64034
Ion Ratio Lower Upper
128 100
49 149.8 0.0 403.7
130 126.6 0.0 323.3



#3
Chloromethane
Concen: 0.429 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

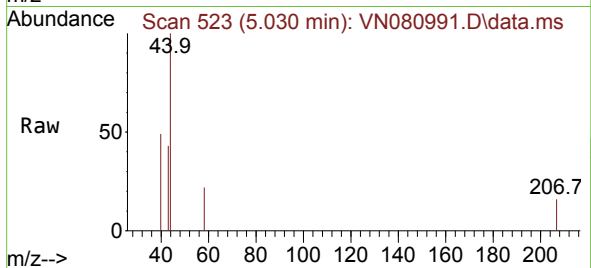
Tgt Ion: 50 Resp: 1876
Ion Ratio Lower Upper
50 100
52 35.0 25.4 38.0



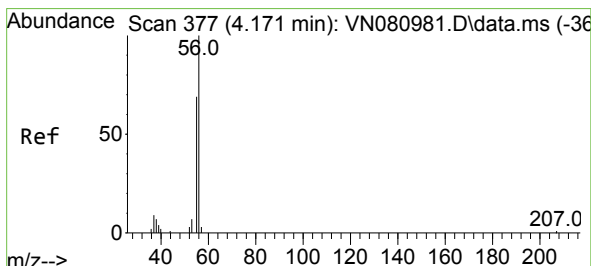
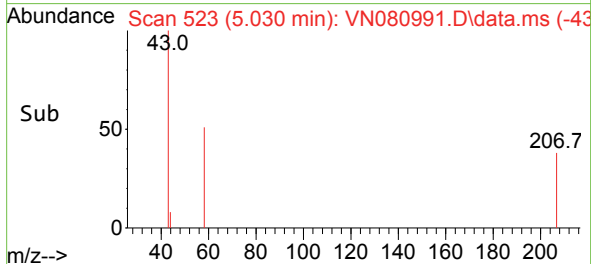
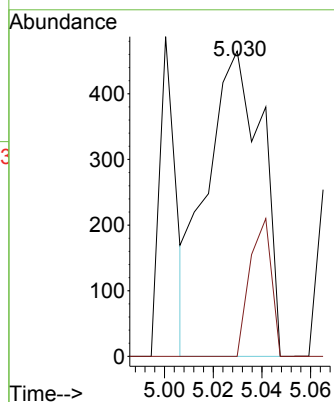


#12
Methyl Acetate
Concen: 0.219 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :

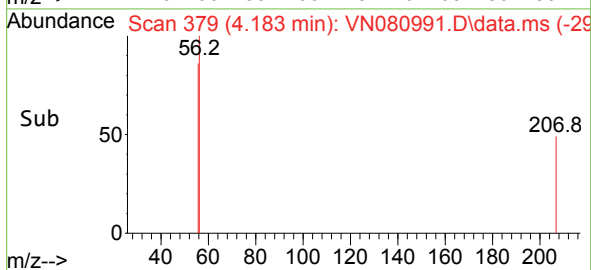
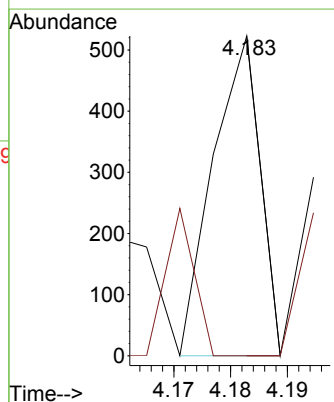
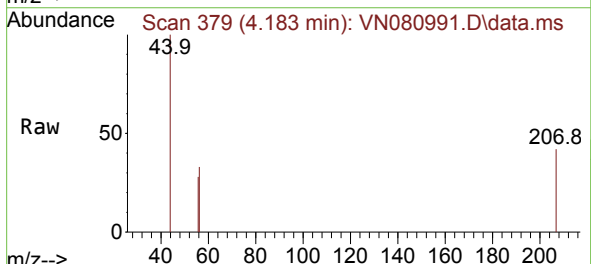


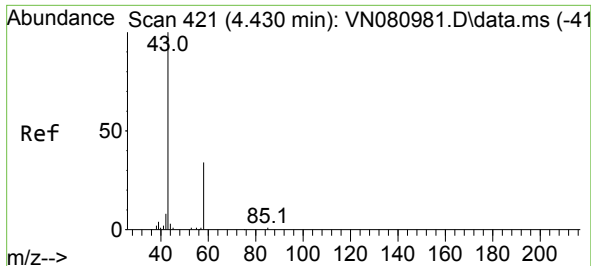
Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#



#13
Acrolein
Concen: 0.417 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

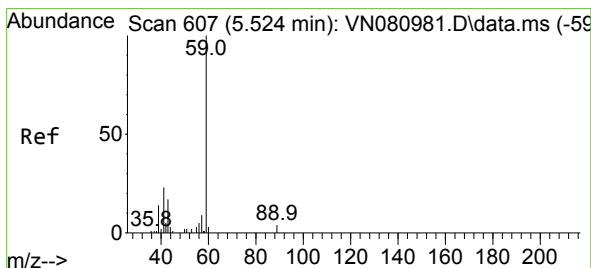
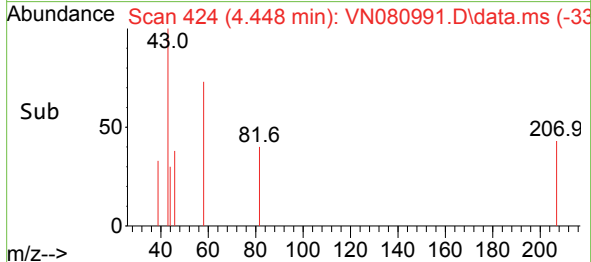
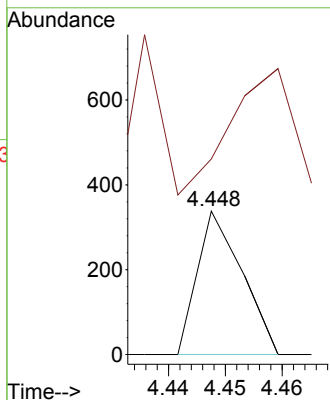
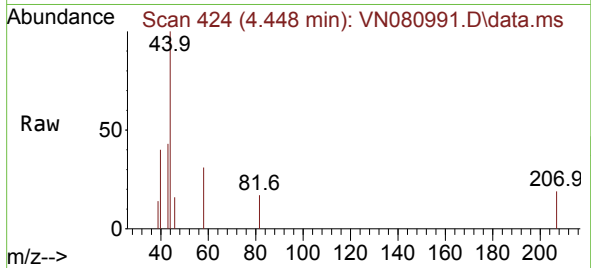




#15
Acetone
Concen: 0.489 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

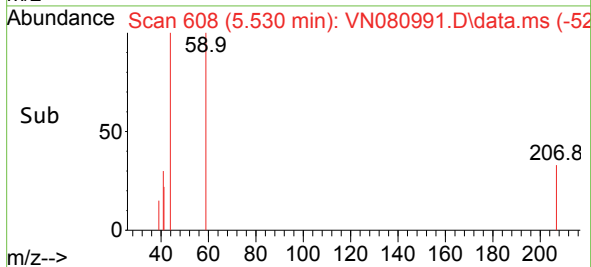
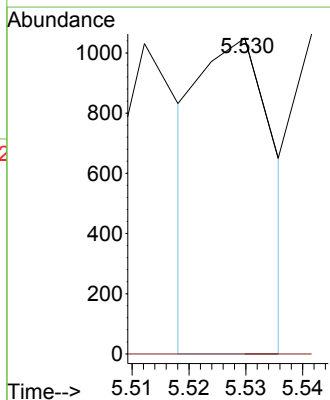
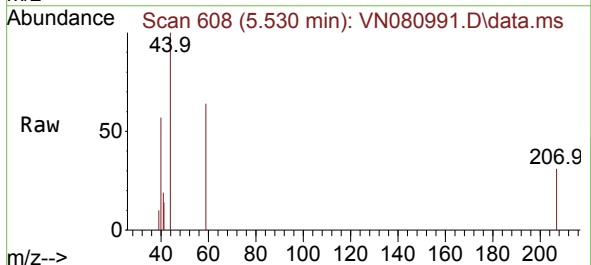
Instrument :
MSVOA_N
ClientSampleId :

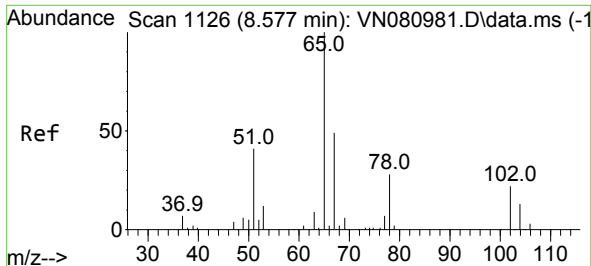
Tgt Ion: 58 Resp: 185
Ion Ratio Lower Upper
58 100
43 25.1 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 1.573 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Tgt Ion: 59 Resp: 942
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.692 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080991.D

Acq: 09 Feb 2024 15:58

Instrument :

MSVOA_N

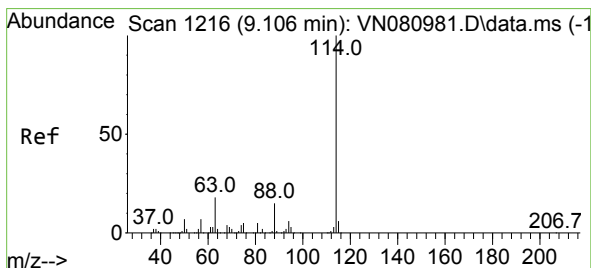
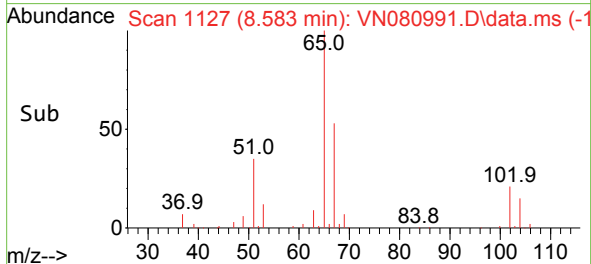
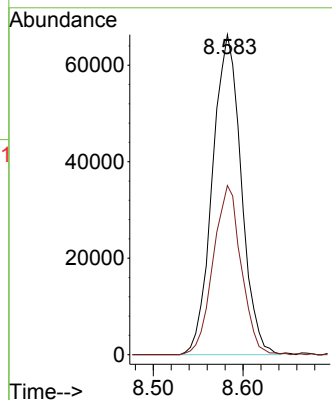
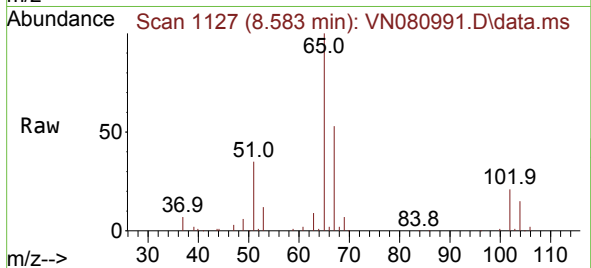
ClientSampleId :

Tgt Ion: 65 Resp: 147676

Ion Ratio Lower Upper

65 100

67 51.4 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080991.D

Acq: 09 Feb 2024 15:58

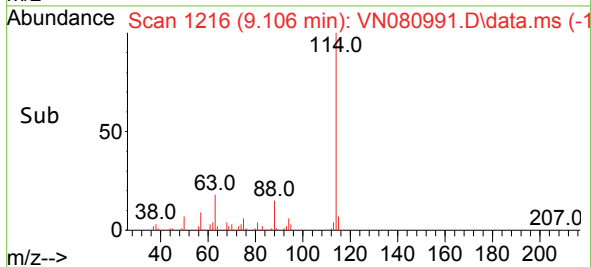
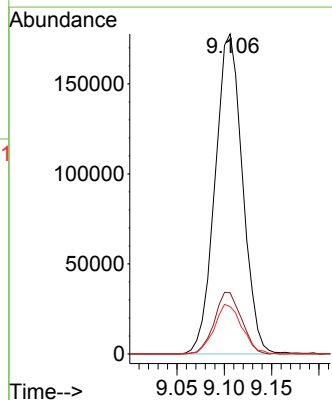
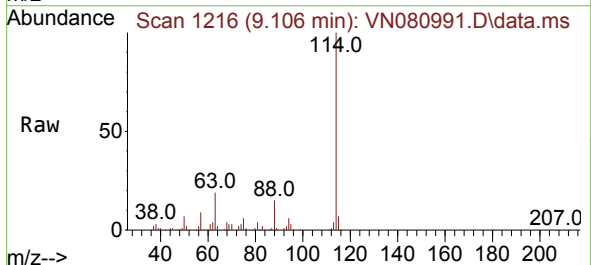
Tgt Ion: 114 Resp: 358221

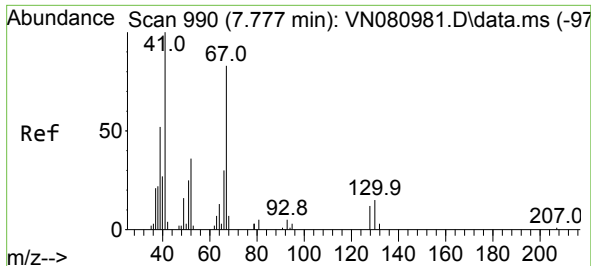
Ion Ratio Lower Upper

114 100

63 19.1 15.9 23.9

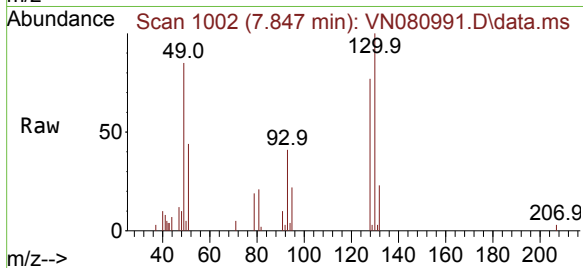
88 15.7 12.7 19.1



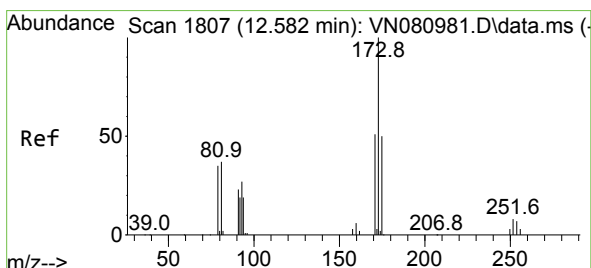
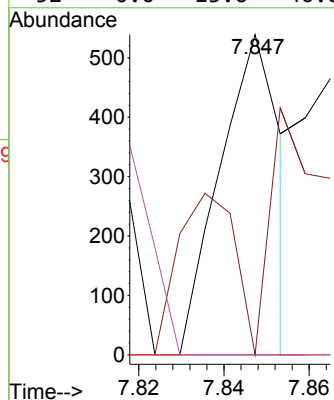
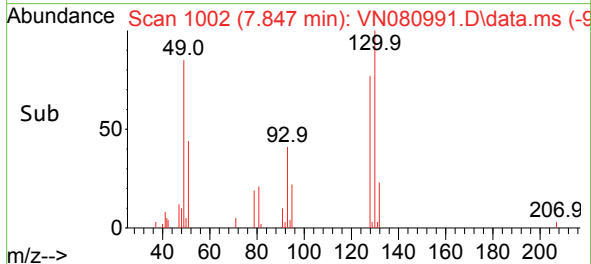


#35
Methacrylonitrile
Concen: 0.232 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :

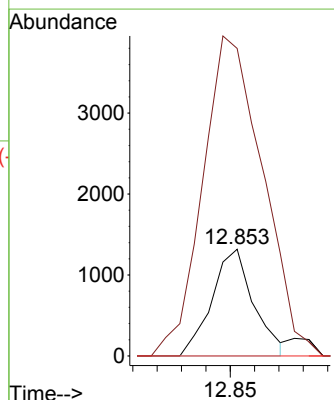
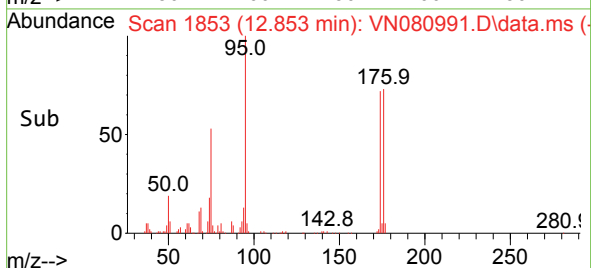
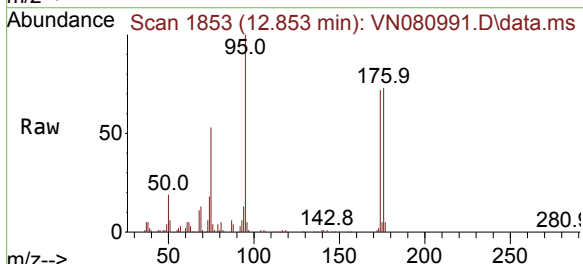


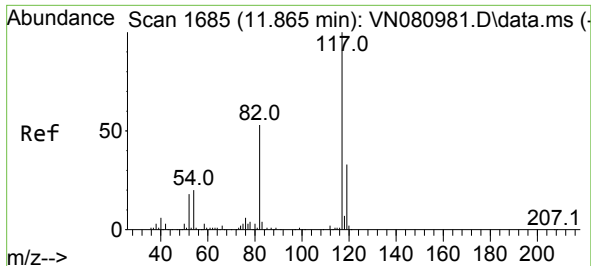
Tgt Ion: 41 Resp: 533
Ion Ratio Lower Upper
41 100
39 0.0 25.3 75.9#
67 0.0 38.7 116.1#
52 0.0 13.6 40.8#



#56
Bromoform
Concen: 0.558 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

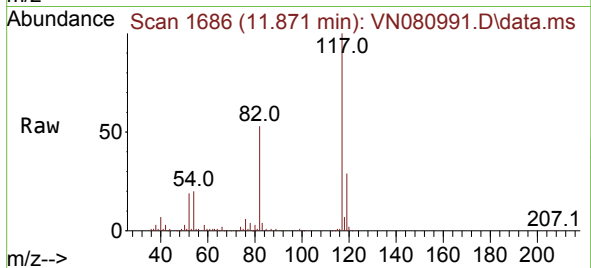
Tgt Ion: 173 Resp: 1577
Ion Ratio Lower Upper
173 100
175 430.9 40.0 60.0#
254 0.0 8.3 12.5#



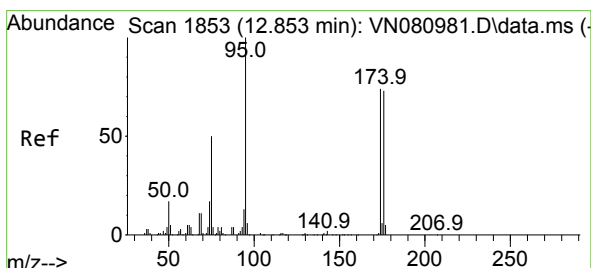
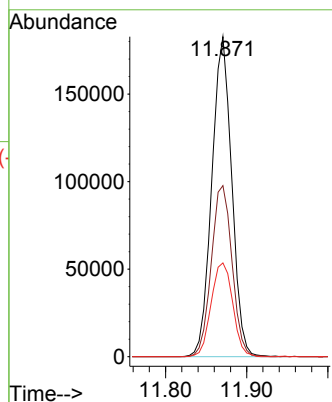
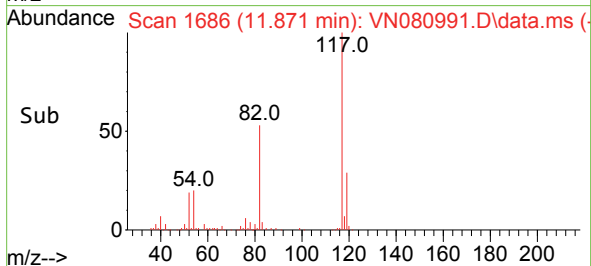


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :

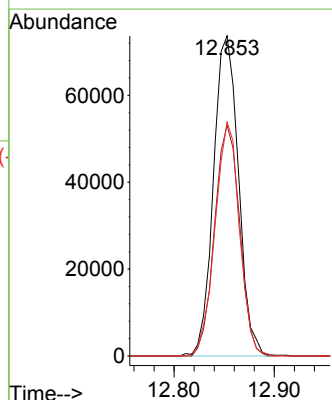
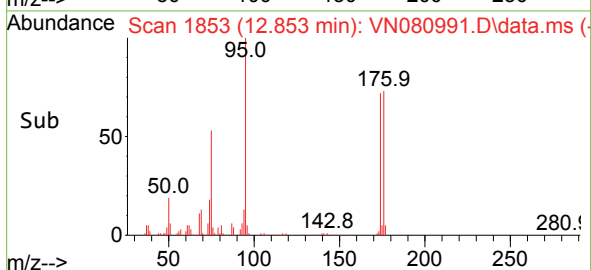
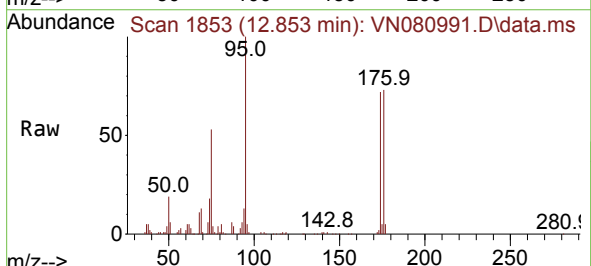


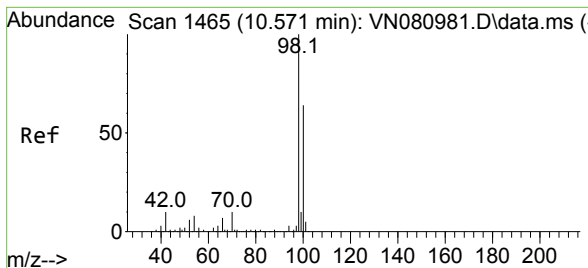
Tgt Ion:117 Resp: 311404
Ion Ratio Lower Upper
117 100
82 55.7 46.6 69.8
119 31.7 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.782 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080991.D
Acq: 09 Feb 2024 15:58

Tgt Ion: 95 Resp: 127501
Ion Ratio Lower Upper
95 100
174 72.1 60.5 90.7
176 71.5 57.8 86.6





#63

Toluene-d8

Concen: 30.143 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080991.D

Acq: 09 Feb 2024 15:58

Instrument :

MSVOA_N

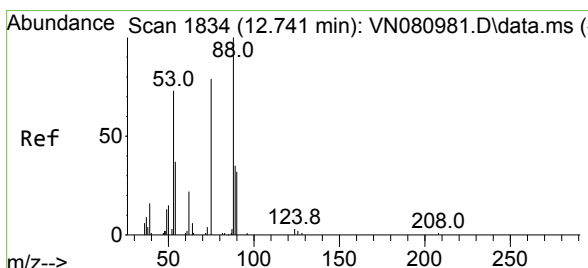
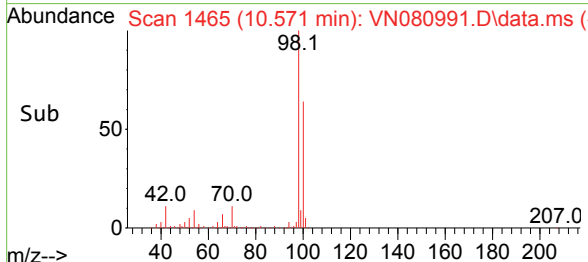
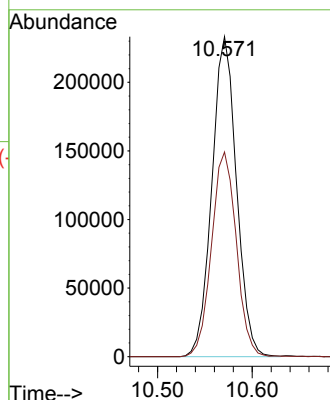
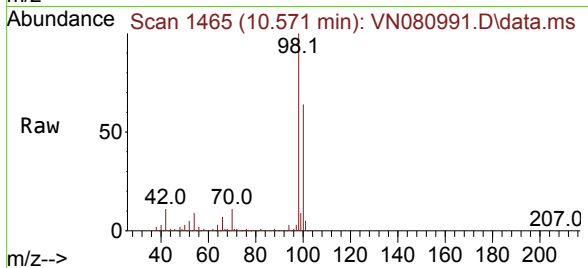
ClientSampleId :

Tgt Ion: 98 Resp: 421241

Ion Ratio Lower Upper

98 100

100 64.3 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 43.529 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080991.D

Acq: 09 Feb 2024 15:58

Tgt Ion: 75 Resp: 66888

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

