

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081144.D
 Acq On : 22 Feb 2024 18:47
 Operator : JC\MD
 Sample : PB159186TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:30:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

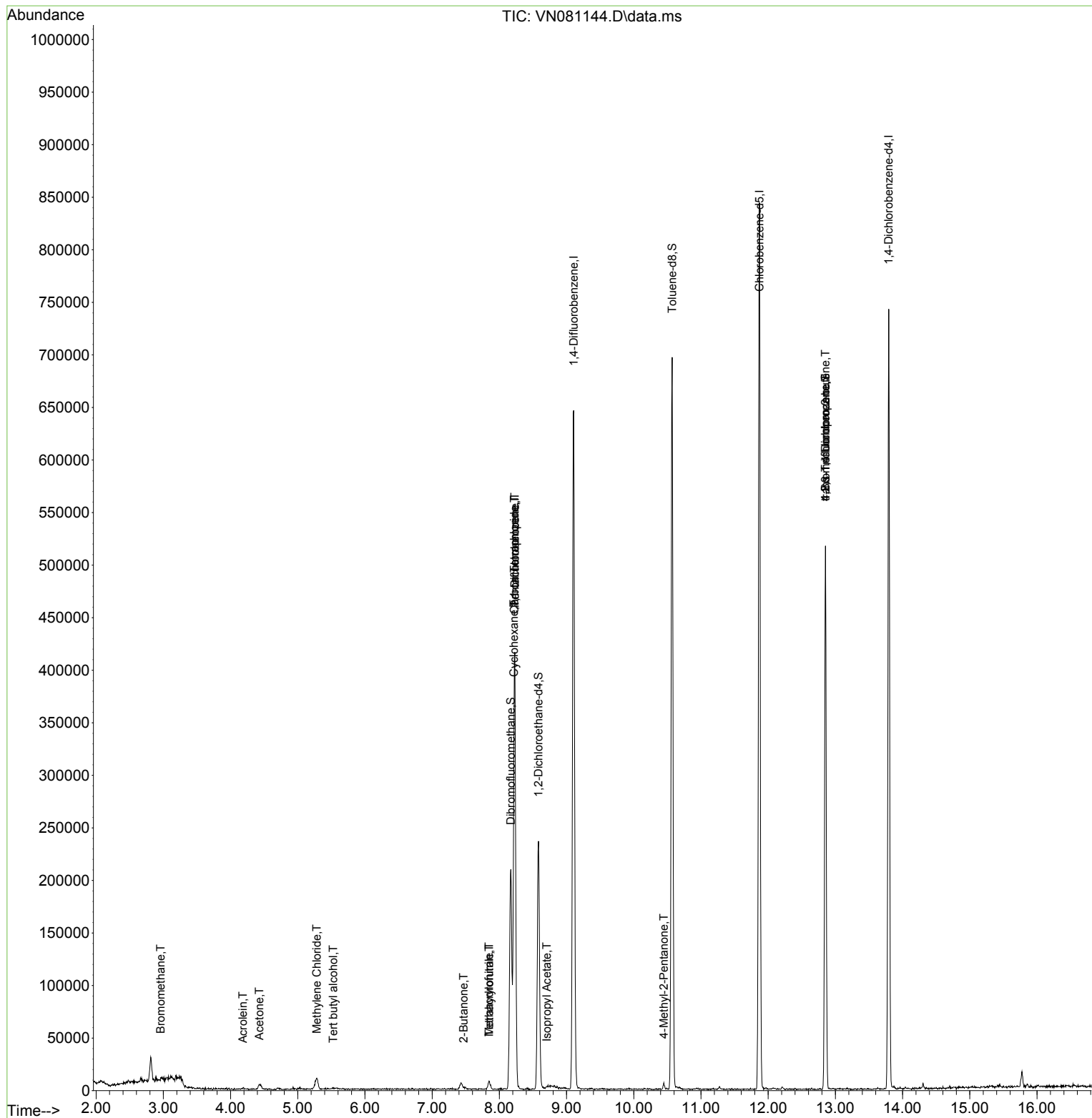
Internal Standards						
1) Pentafluorobenzene	8.230	168	293164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	572477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	487796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	189696	52.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.580%
35) Dibromofluoromethane	8.171	113	151643	46.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.680%
50) Toluene-d8	10.571	98	479322	41.689	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	83.380%#
62) 4-Bromofluorobenzene	12.853	95	176910	40.949	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.900%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	912	Below Cal	#	44
5) Bromomethane	2.959	94	599	0.200	ug/l #	62
6) Chloroethane	3.100	64	234	Below Cal	#	42
11) Tert butyl alcohol	5.530	59	770	1.165	ug/l #	72
13) Acrolein	4.183	56	866	2.445	ug/l #	34
16) Acetone	4.430	43	5282	3.736	ug/l #	53
20) Methylene Chloride	5.283	84	8450	1.407	ug/l #	71
25) 2-Butanone	7.471	43	1386	0.607	ug/l #	51
29) Tetrahydrofuran	7.847	42	5389	3.534	ug/l #	87
31) Cyclohexane	8.218	56	7675	1.237	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	25755	4.644	ug/l #	51
38) Carbon Tetrachloride	8.224	117	32408	5.776	ug/l #	17
41) Methacrylonitrile	7.847	41	3363	1.181	ug/l #	51
43) Isopropyl Acetate	8.706	43	1885	0.215	ug/l #	57
51) 4-Methyl-2-Pentanone	10.447	43	3193	0.634	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	94492	21.501	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	94492	55.342	ug/l #	14

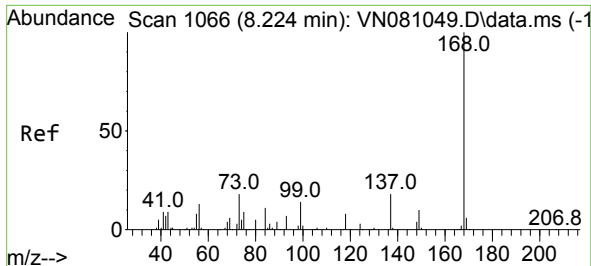
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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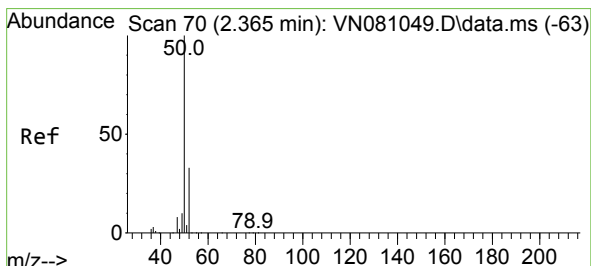
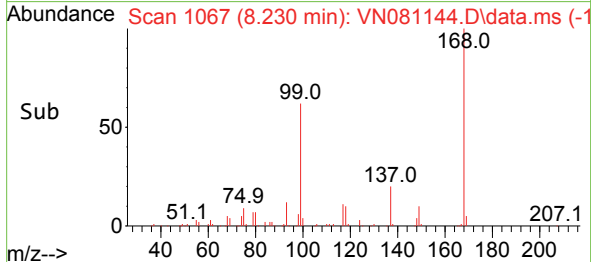
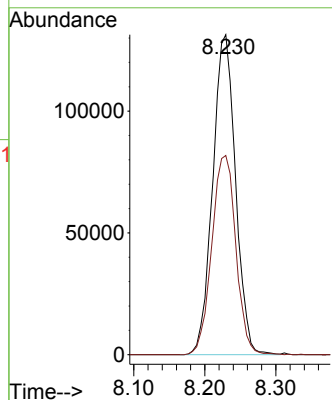
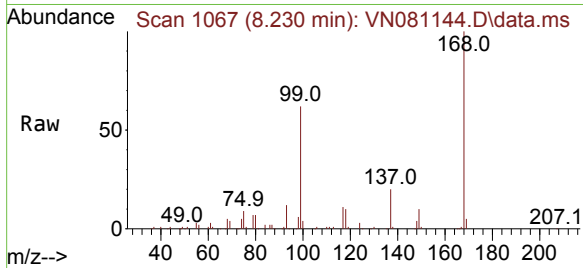




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

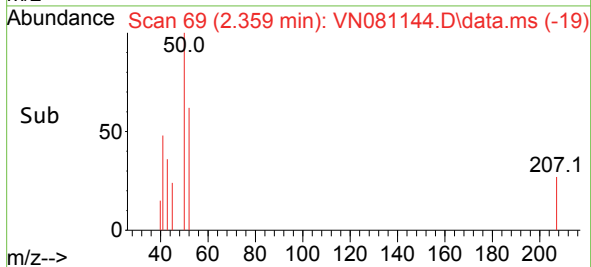
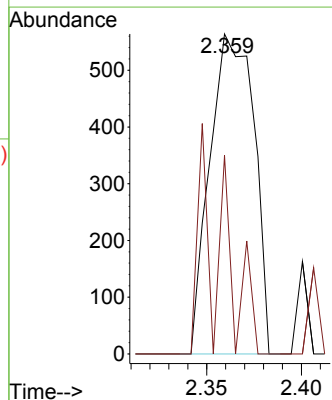
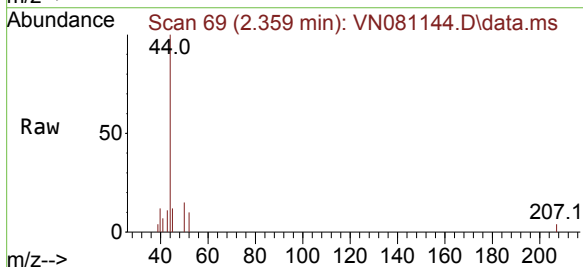
Instrument :
MSVOA_N
ClientSampleId :

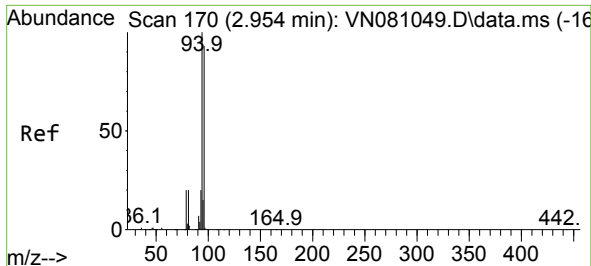
Tgt Ion:168 Resp: 293164
Ion Ratio Lower Upper
168 100
99 62.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 62.1 25.0 37.4#

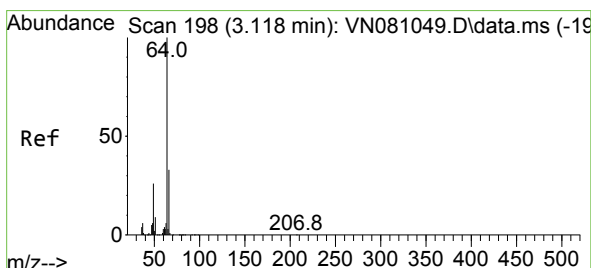
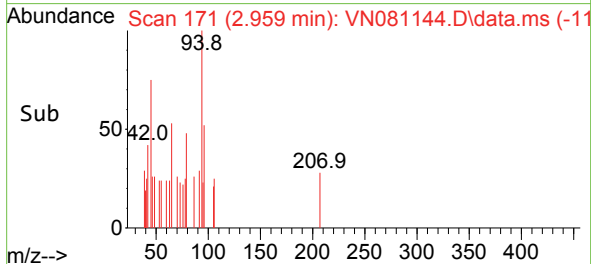
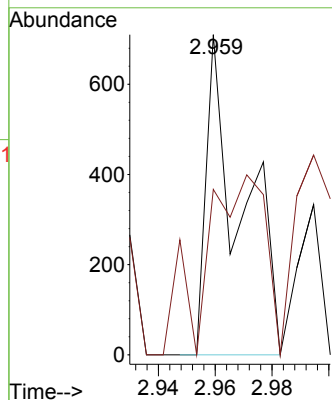
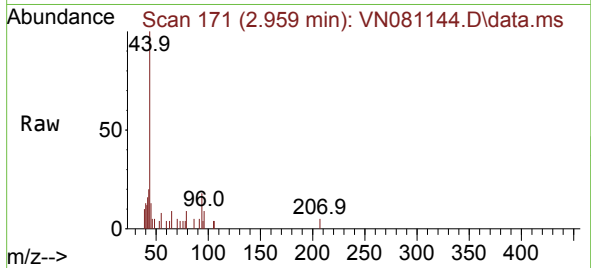




#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

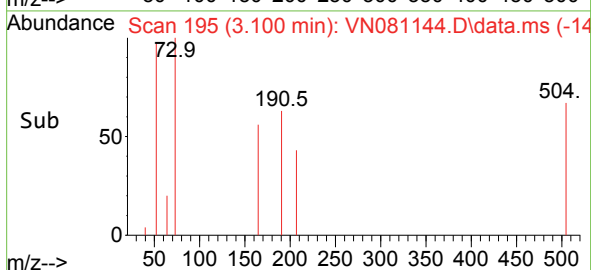
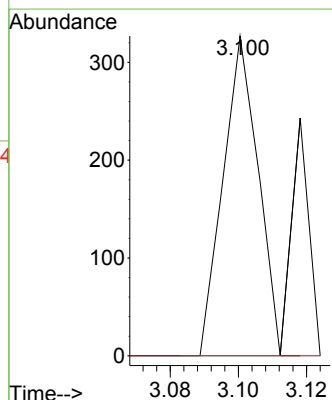
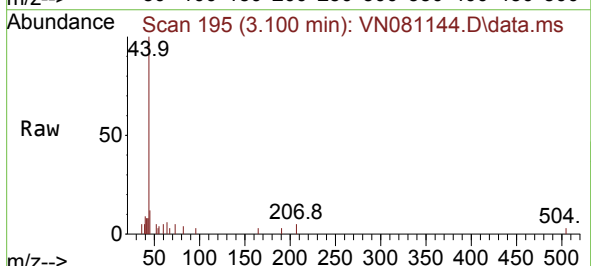
Instrument :
MSVOA_N
ClientSampleId :

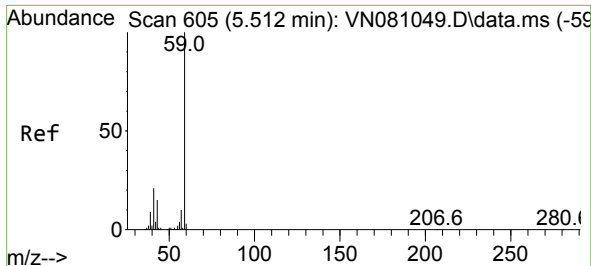
Tgt Ion: 94 Resp: 599
Ion Ratio Lower Upper
94 100
96 51.7 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 64 Resp: 234
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#11

Tert butyl alcohol

Concen: 1.165 ug/l

RT: 5.530 min Scan# 605

Delta R.T. 0.018 min

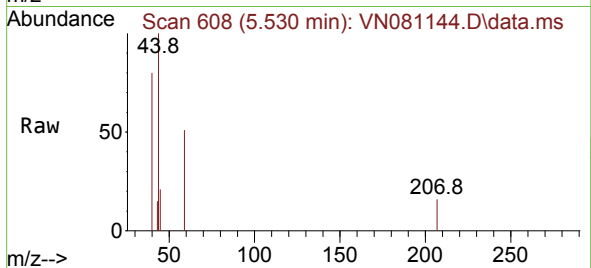
Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

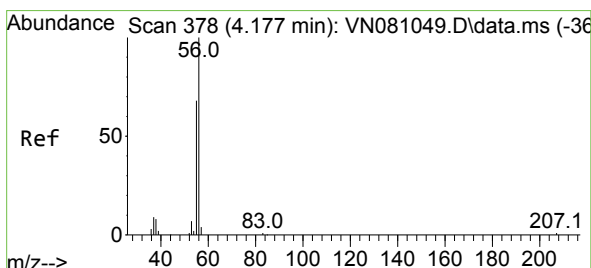
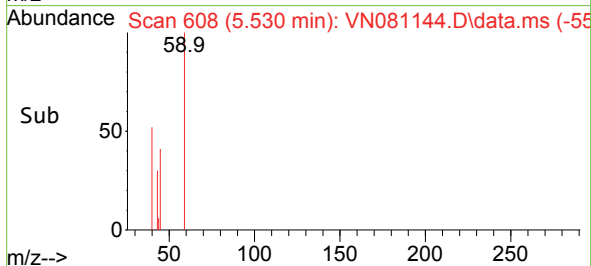
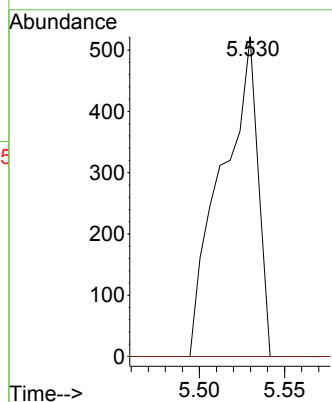


Tgt Ion: 59 Resp: 770

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 2.445 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081144.D

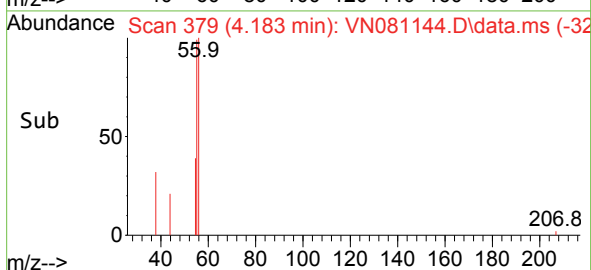
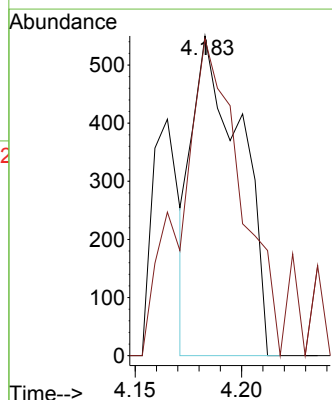
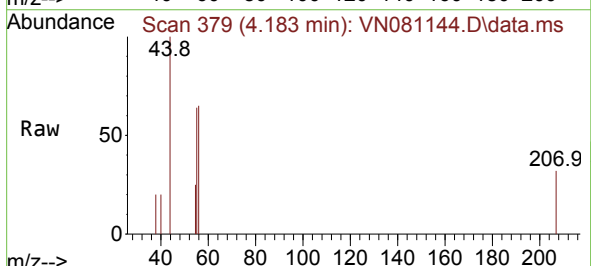
Acq: 22 Feb 2024 18:47

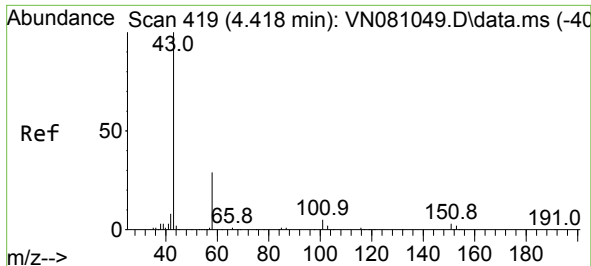
Tgt Ion: 56 Resp: 866

Ion Ratio Lower Upper

56 100

55 123.2 55.3 82.9#

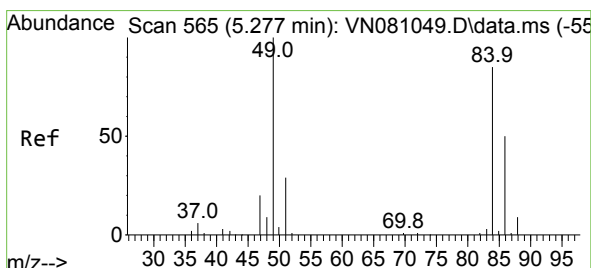
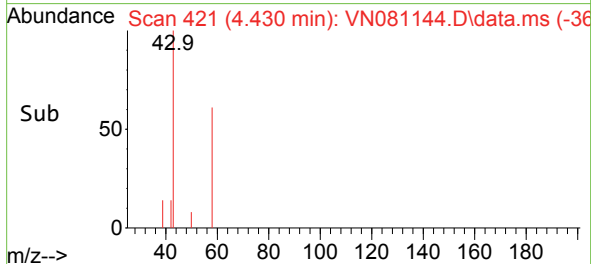
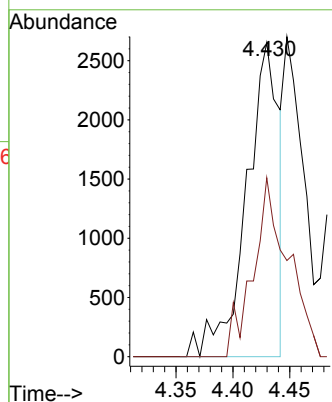
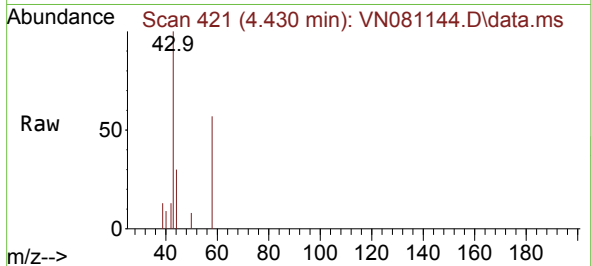




#16
Acetone
Concen: 3.736 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

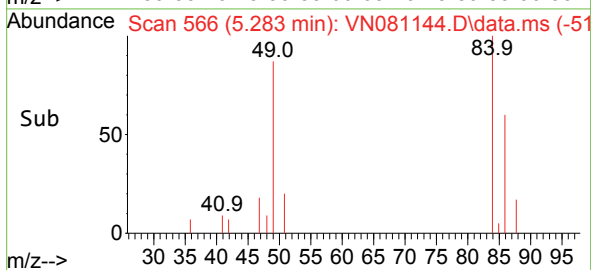
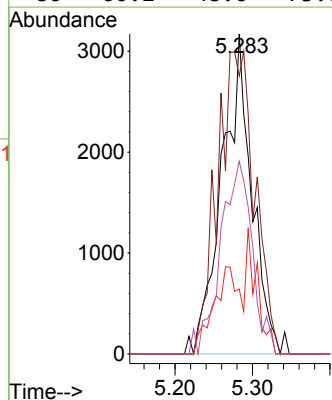
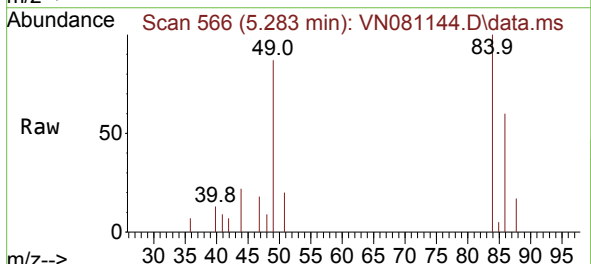
Instrument :
MSVOA_N
ClientSampleId :

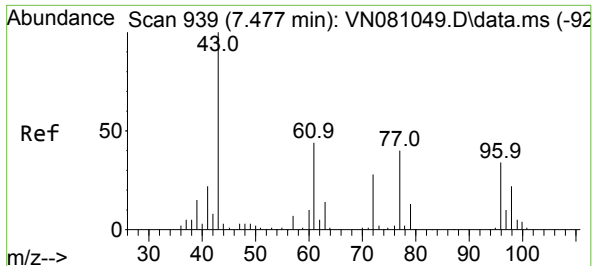
Tgt Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
58 57.0 24.8 37.2#



#20
Methylene Chloride
Concen: 1.407 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 84 Resp: 8450
Ion Ratio Lower Upper
84 100
49 86.8 108.1 162.1#
51 20.3 32.9 49.3#
86 60.2 48.6 73.0





#25

2-Butanone

Concen: 0.607 ug/l

RT: 7.471 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

Instrument :

MSVOA_N

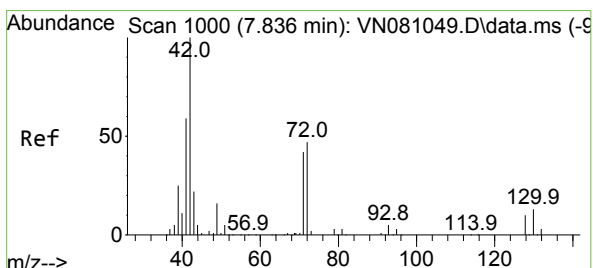
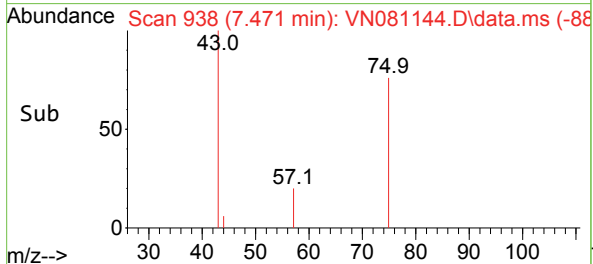
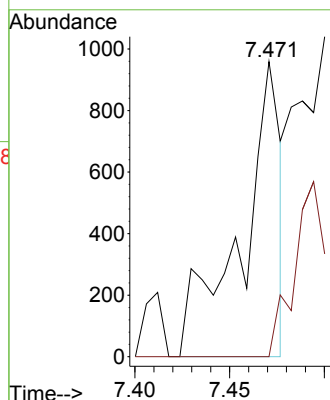
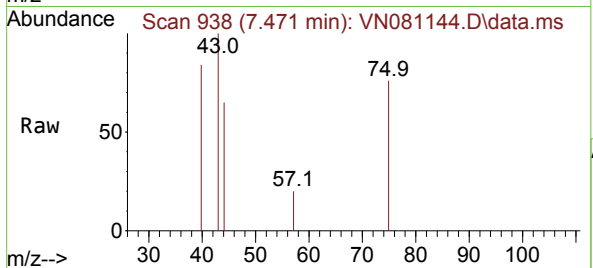
ClientSampleId :

Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

72 0.0 19.5 29.3#



#29

Tetrahydrofuran

Concen: 3.534 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

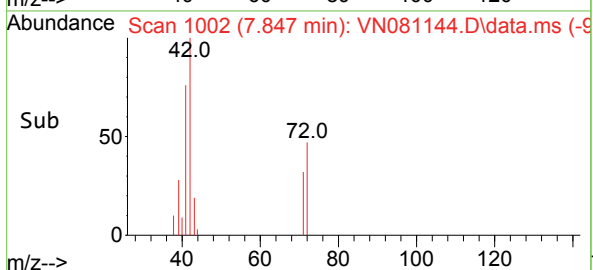
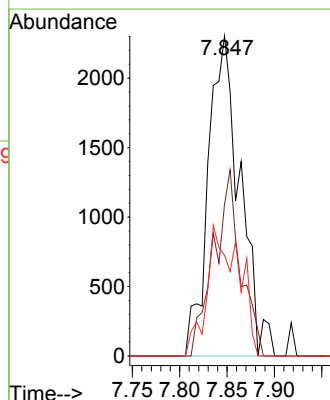
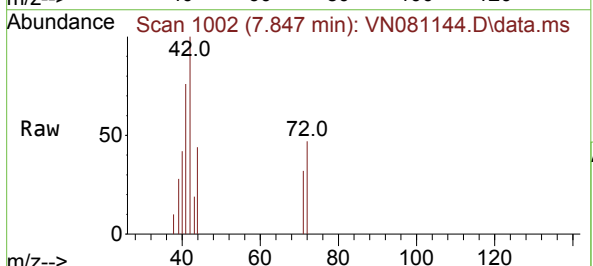
Tgt Ion: 42 Resp: 5389

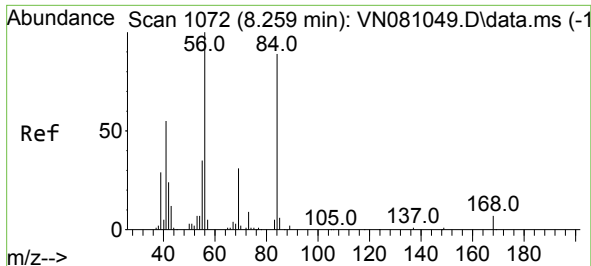
Ion Ratio Lower Upper

42 100

72 48.9 31.1 46.7#

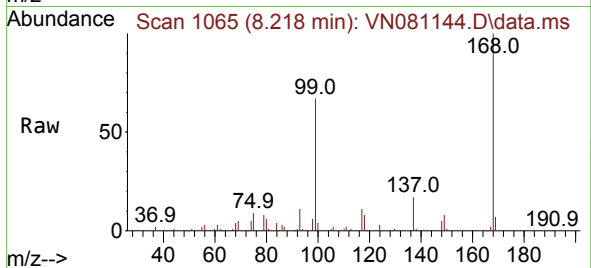
71 40.9 28.3 42.5



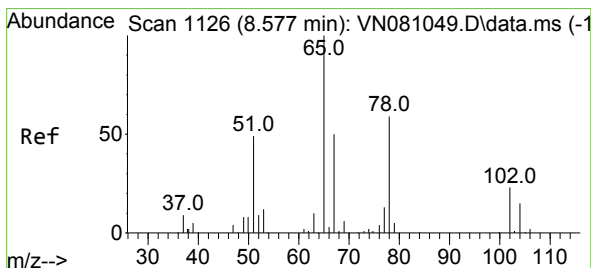
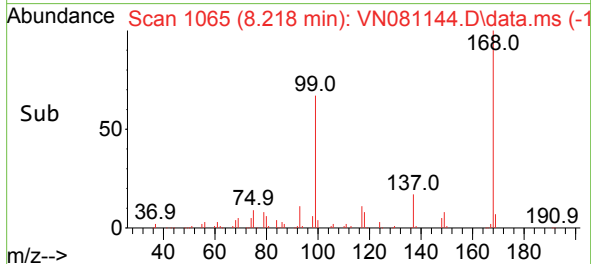
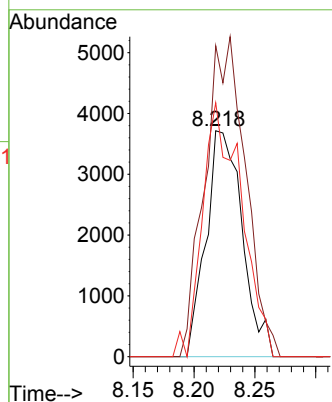


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Instrument :
MSVOA_N
ClientSampleId :

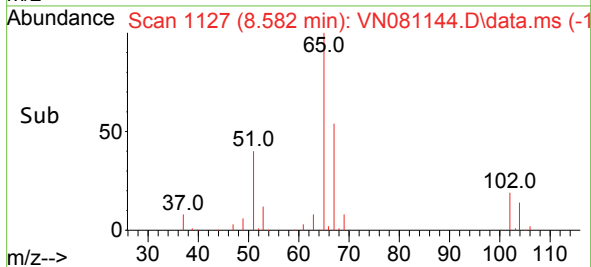
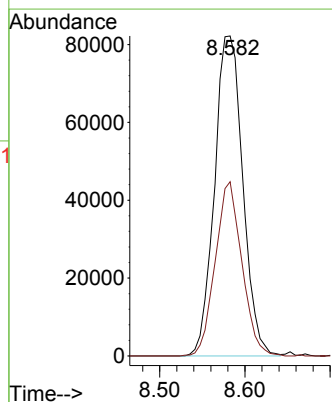
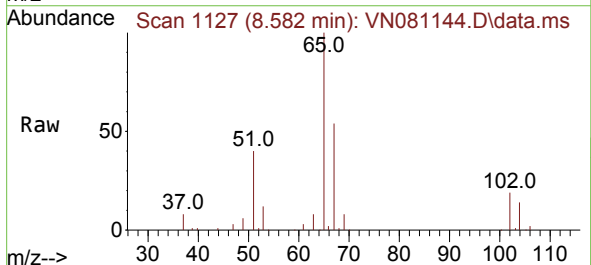


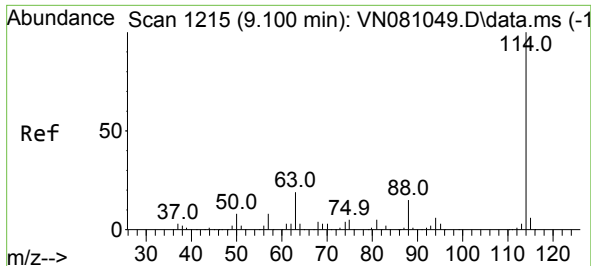
Tgt Ion: 56 Resp: 7675
Ion Ratio Lower Upper
56 100
69 137.6 20.1 30.1#
84 112.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 52.791 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 65 Resp: 189696
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

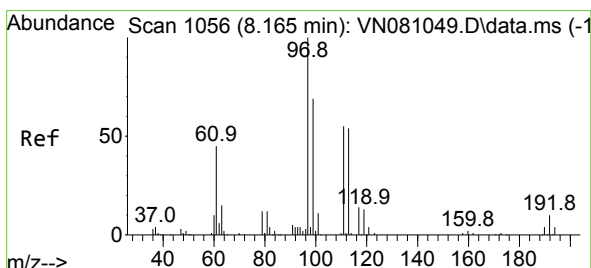
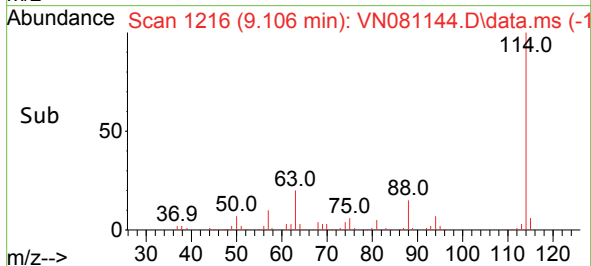
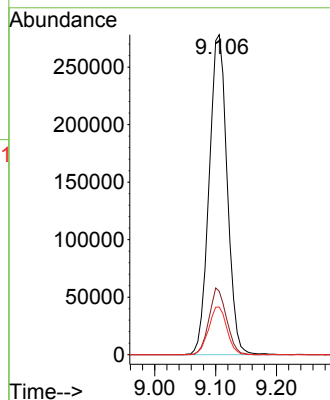
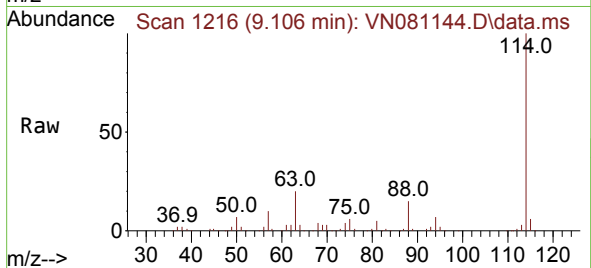
Tgt Ion:114 Resp: 572477

Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.844 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

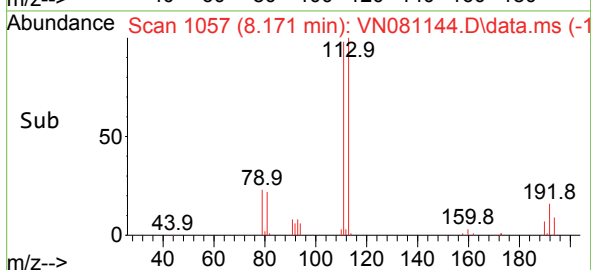
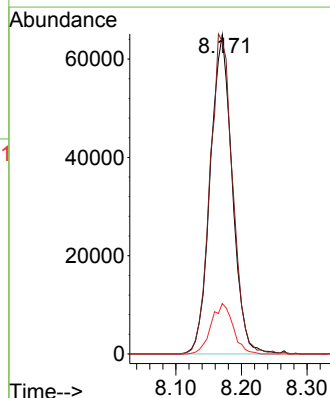
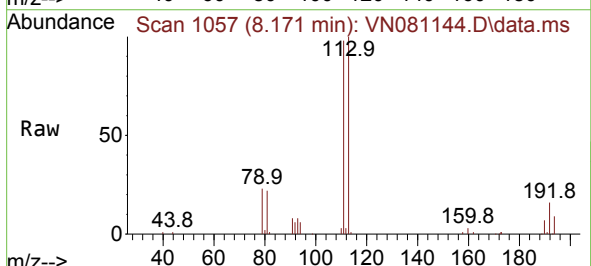
Tgt Ion:113 Resp: 151643

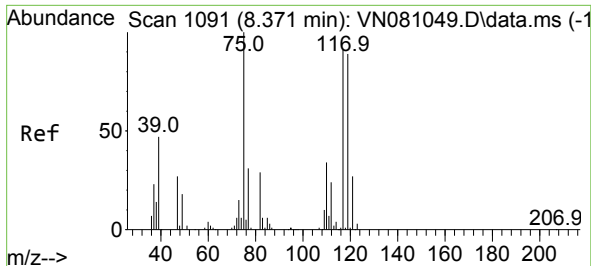
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 15.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

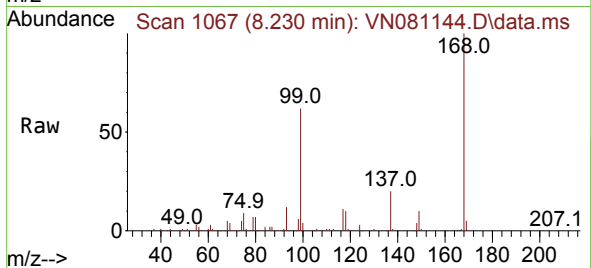
Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

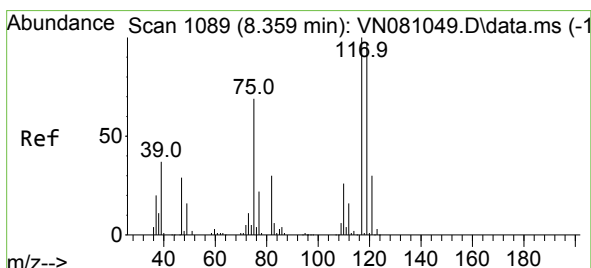
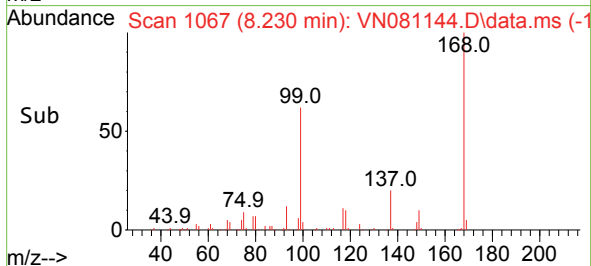
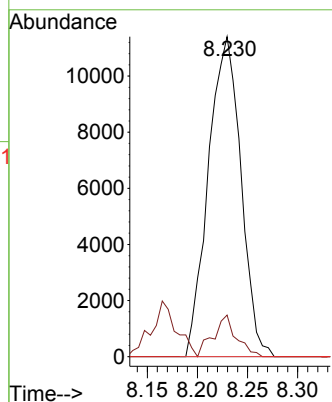
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	25755
Ion Ratio	Lower	Upper	
75	100		
110	9.3	16.0	48.0#
77	0.0	25.8	38.6#



#38

Carbon Tetrachloride

Concen: 5.776 ug/l

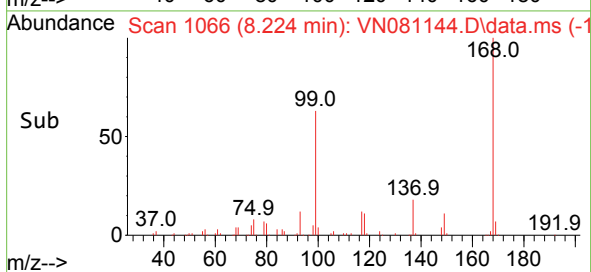
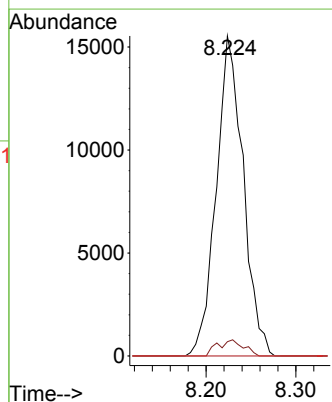
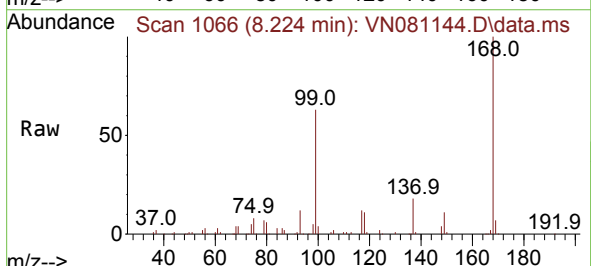
RT: 8.224 min Scan# 1066

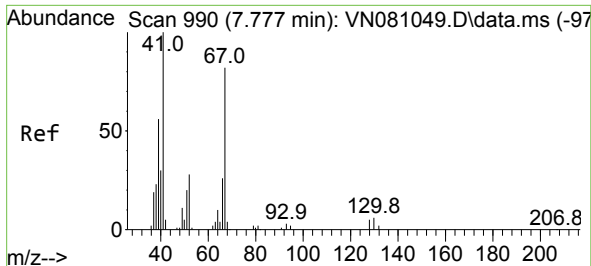
Delta R.T. -0.135 min

Lab File: VN081144.D

Acq: 22 Feb 2024 18:47

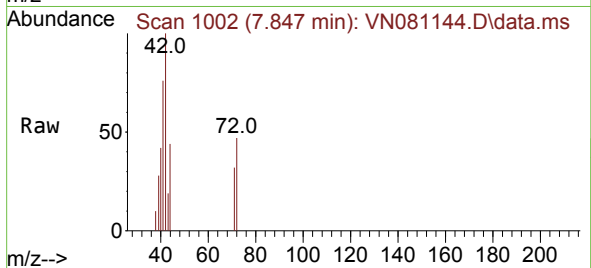
Tgt Ion:	117	Resp:	32408
Ion Ratio	Lower	Upper	
117	100		
119	4.4	73.4	110.2#
121	0.0	24.4	36.6#



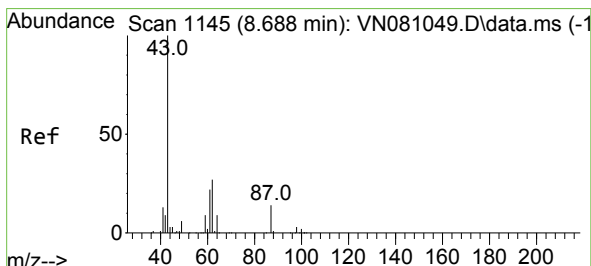
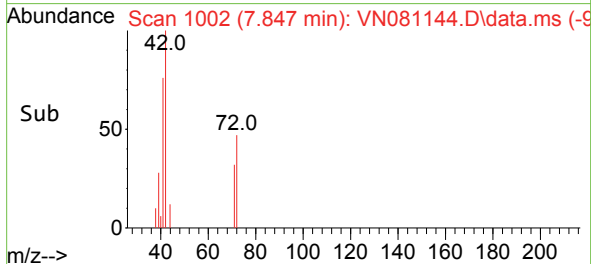
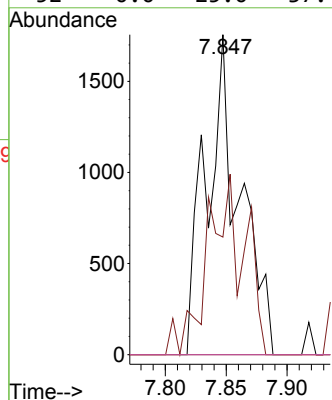


#41
Methacrylonitrile
Concen: 1.181 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Instrument :
MSVOA_N
ClientSampleId :

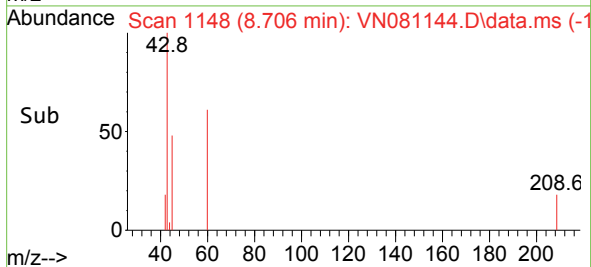
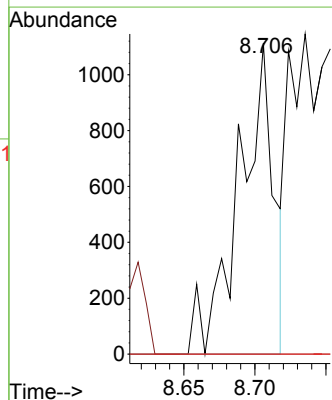
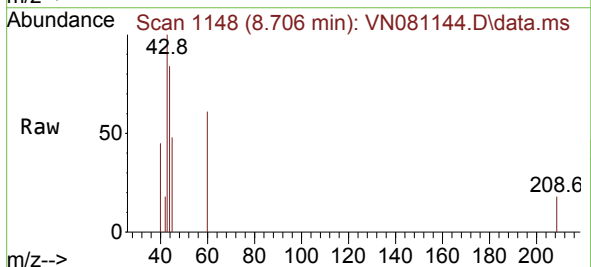


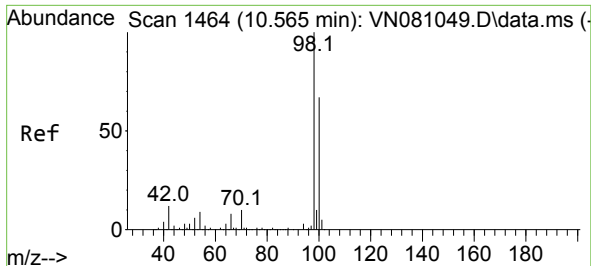
Tgt Ion: 41 Resp: 3363
Ion Ratio Lower Upper
41 100
39 62.1 48.4 72.6
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 0.215 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#

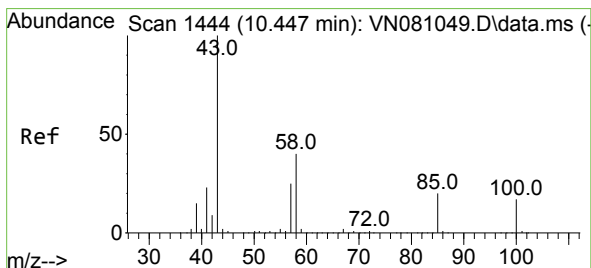
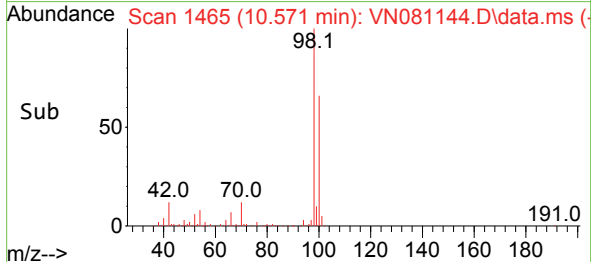
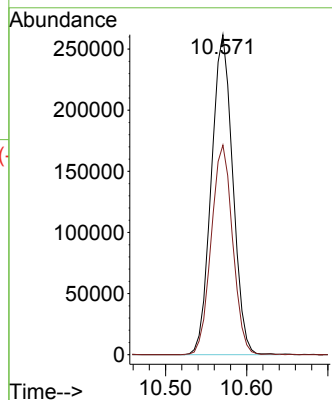
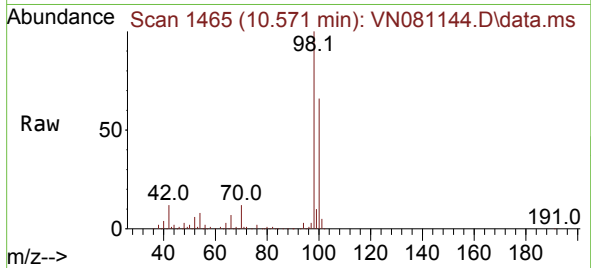




#50
Toluene-d8
Concen: 41.689 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

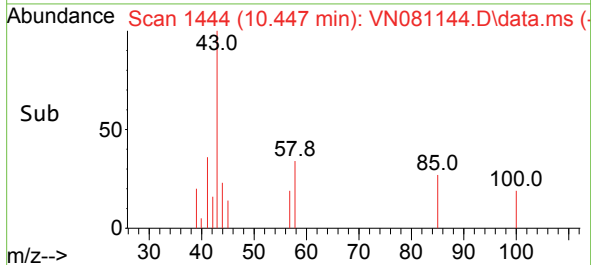
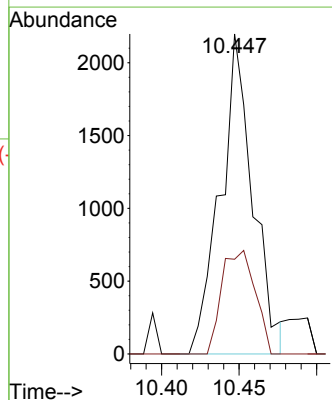
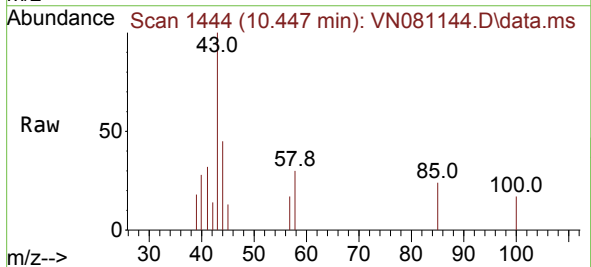
Instrument :
MSVOA_N
ClientSampleId :

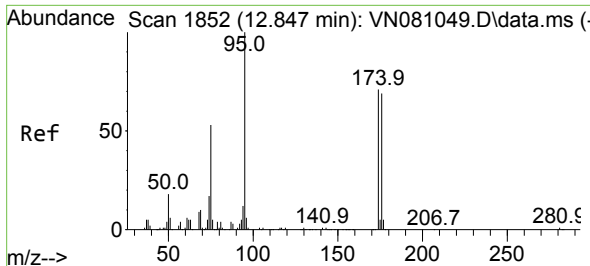
Tgt Ion: 98 Resp: 479322
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
58 33.3 29.4 44.0

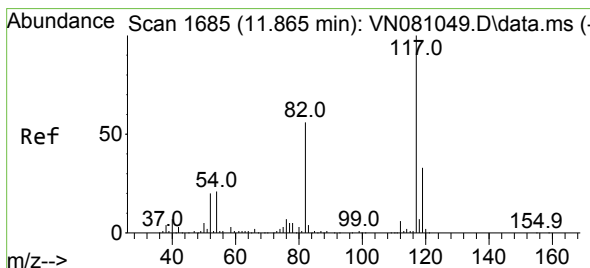
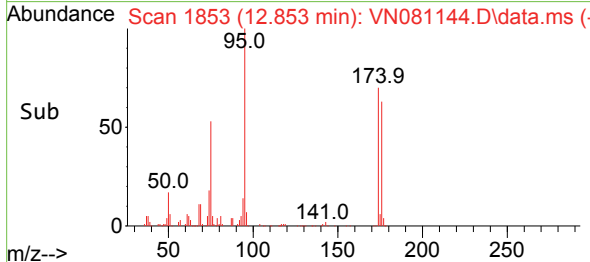
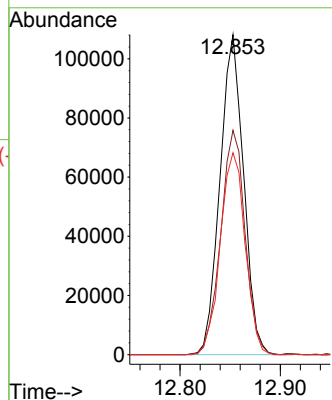
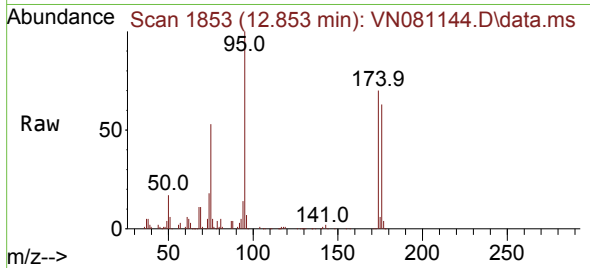




#62
4-Bromofluorobenzene
Concen: 40.949 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

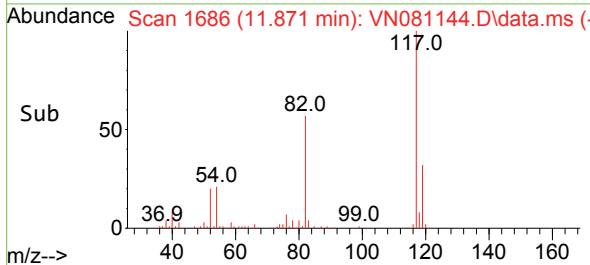
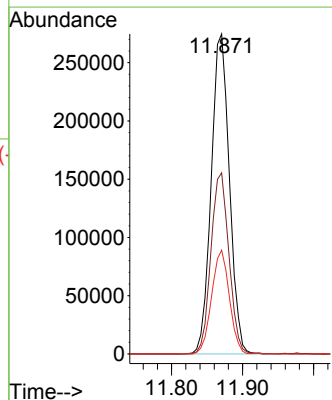
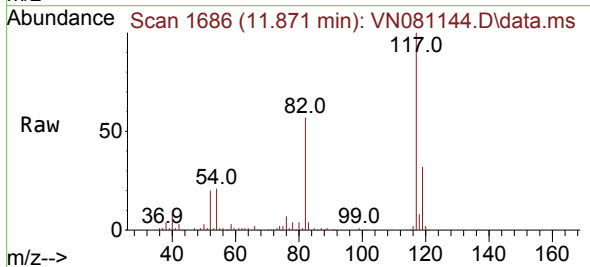
Instrument :
MSVOA_N
ClientSampleId :

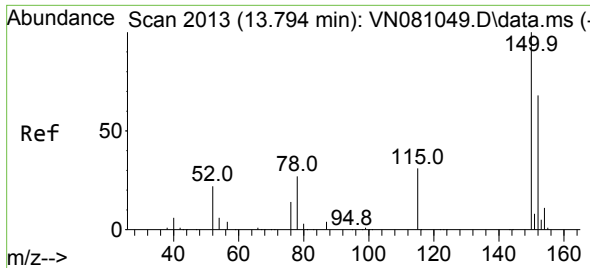
Tgt Ion: 95 Resp: 176910
Ion Ratio Lower Upper
95 100
174 72.2 0.0 120.4
176 66.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081144.D
Acq: 22 Feb 2024 18:47

Tgt Ion: 117 Resp: 487796
Ion Ratio Lower Upper
117 100
82 56.6 52.7 79.1
119 32.5 25.3 37.9

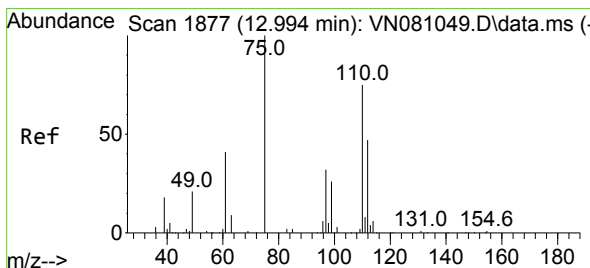
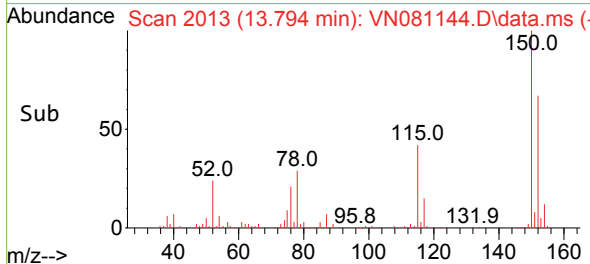
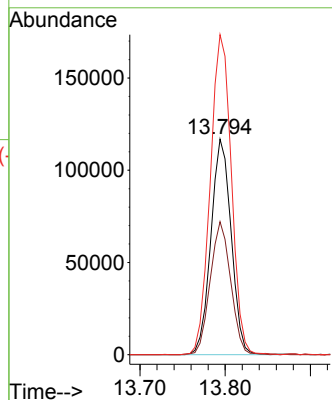
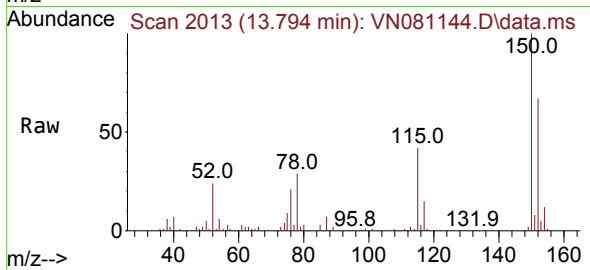




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081144.D
 Acq: 22 Feb 2024 18:47

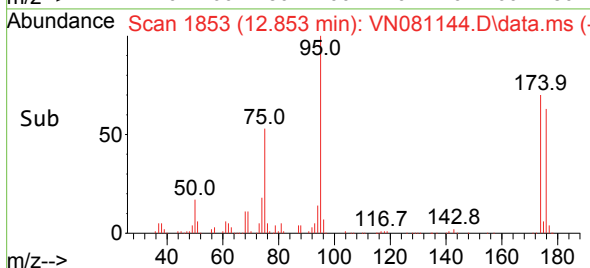
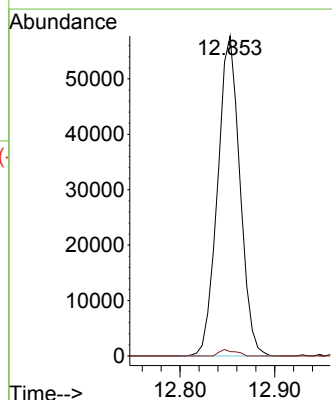
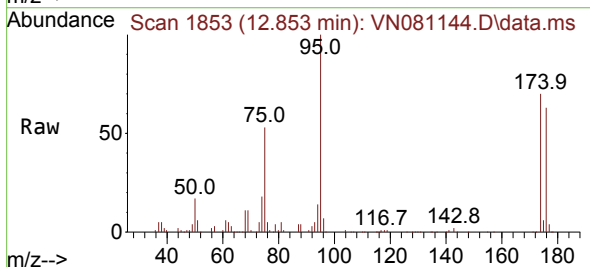
Instrument :
 MSVOA_N
 ClientSampleId :

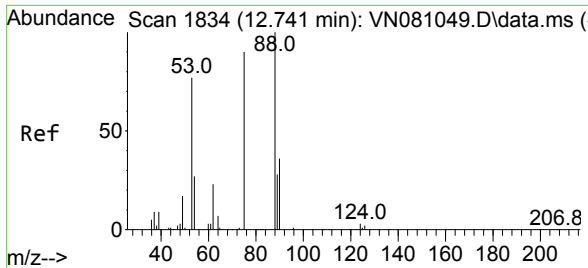
Tgt Ion:152 Resp: 193426
 Ion Ratio Lower Upper
 152 100
 115 62.3 32.3 96.8
 150 154.1 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 21.501 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081144.D
 Acq: 22 Feb 2024 18:47

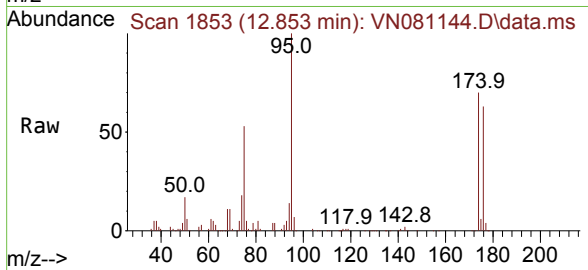
Tgt Ion: 75 Resp: 94492
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.342 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081144.D
 Acq: 22 Feb 2024 18:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 94492
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

