

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022924\
 Data File : VN081268.D
 Acq On : 29 Feb 2024 14:50
 Operator : JC\MD
 Sample : P1590-16RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20240223

Quant Time: Feb 29 23:52:09 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)

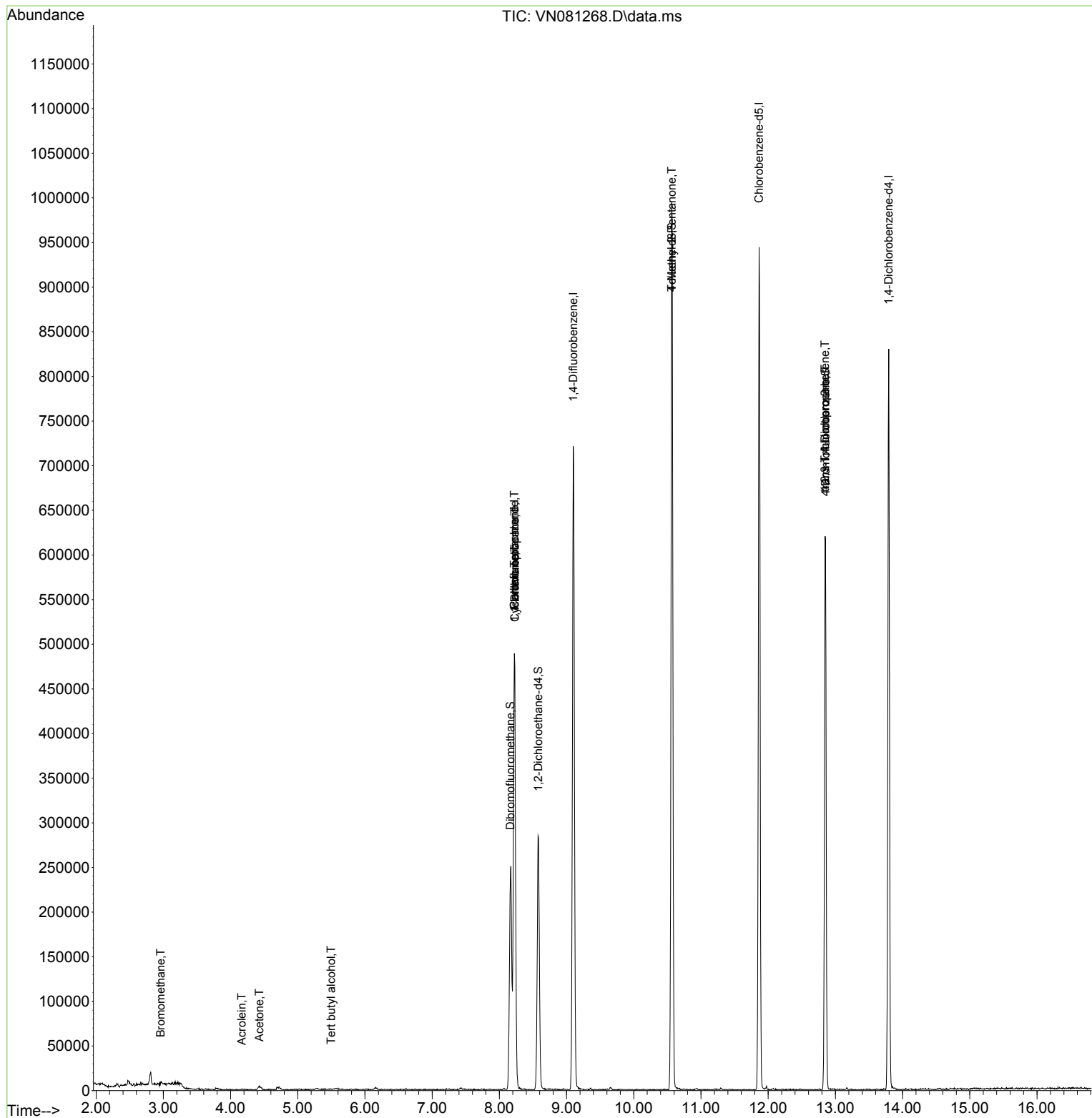
Internal Standards							
1) Pentafluorobenzene		8.224	168	334186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.100	114	617699	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.865	117	534881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.794	152	206466	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.577	65	225783	55.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.240%	
35) Dibromofluoromethane		8.165	113	175547	50.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.520%	
50) Toluene-d8		10.565	98	679742	54.792	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.580%	
62) 4-Bromofluorobenzene		12.853	95	216624	46.471	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.940%	
Target Compounds							
						Qvalue	
3) Chloromethane		2.371	50	716	Below Cal	#	81
5) Bromomethane		2.959	94	1170	0.343	ug/l #	43
6) Chloroethane		3.142	64	335	Below Cal	#	1
11) Tert butyl alcohol		5.494	59	246	0.327	ug/l #	72
13) Acrolein		4.165	56	84	0.208	ug/l #	1
16) Acetone		4.430	43	7012	4.351	ug/l #	83
20) Methylene Chloride		5.277	84	487	Below Cal	#	61
31) Cyclohexane		8.230	56	9979	1.411	ug/l #	15
36) 1,1-Dichloropropene		8.230	75	30917	5.167	ug/l #	51
38) Carbon Tetrachloride		8.224	117	37607	6.212	ug/l #	18
51) 4-Methyl-2-Pentanone		10.565	43	3303	0.608	ug/l #	1
76) 1,2,3-Trichloropropane		12.847	75	119492	25.472	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.847	75	119492	65.564	ug/l #	14

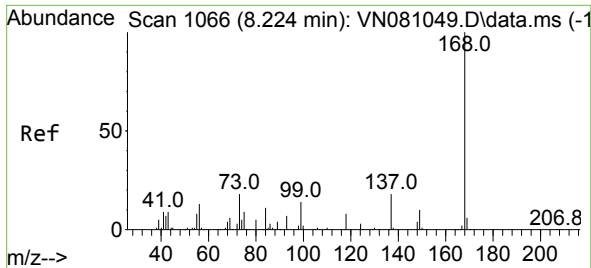
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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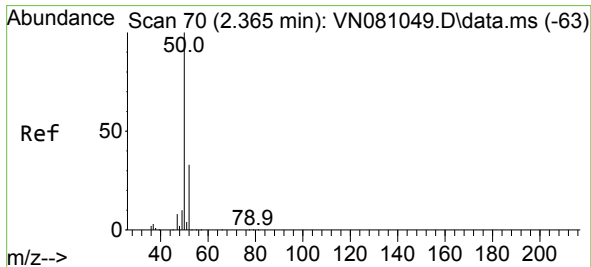
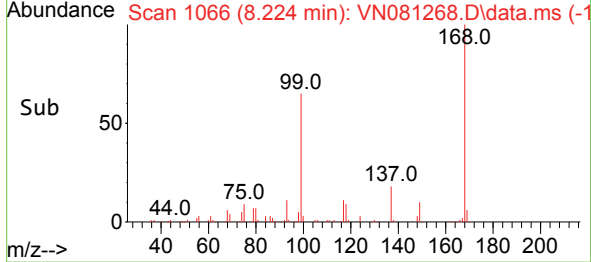
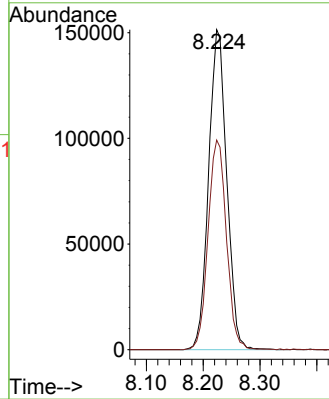
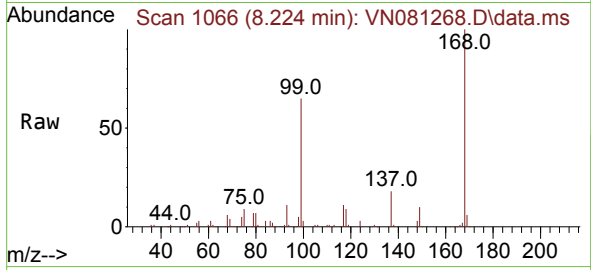




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

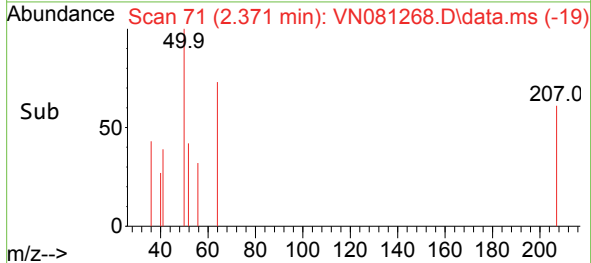
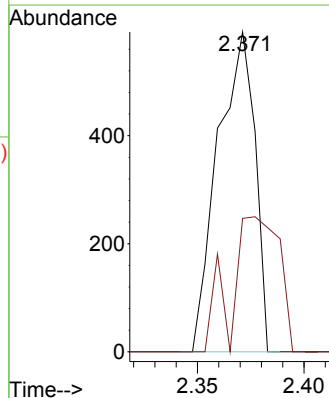
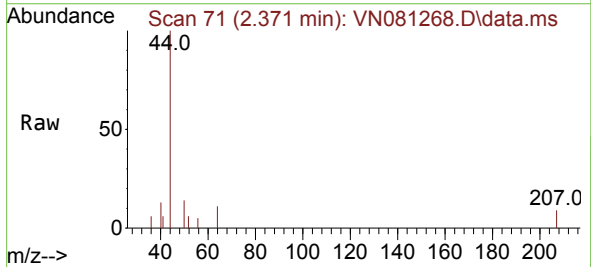
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

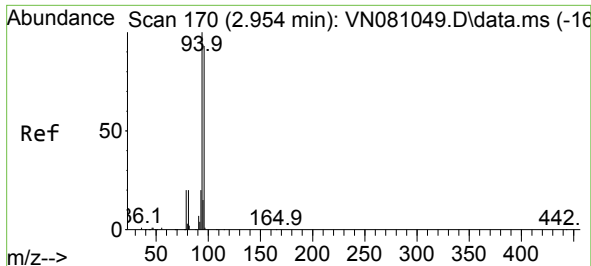
Tgt Ion:168 Resp: 334186
Ion Ratio Lower Upper
168 100
99 65.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 50 Resp: 716
Ion Ratio Lower Upper
50 100
52 41.7 25.0 37.4#

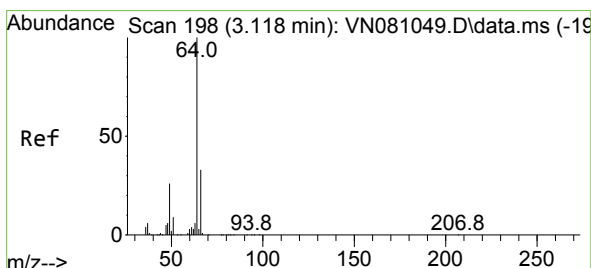
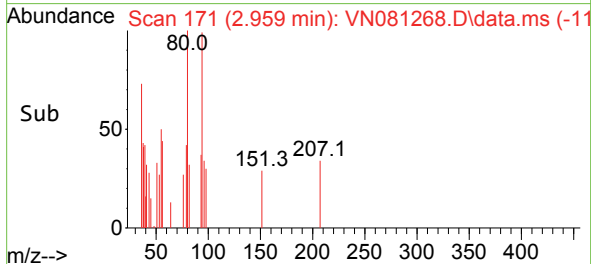
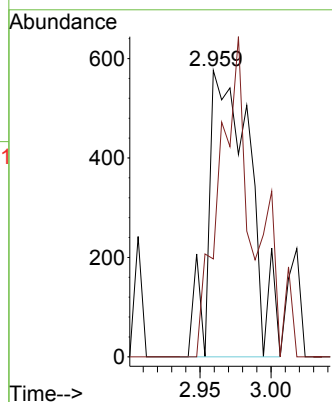
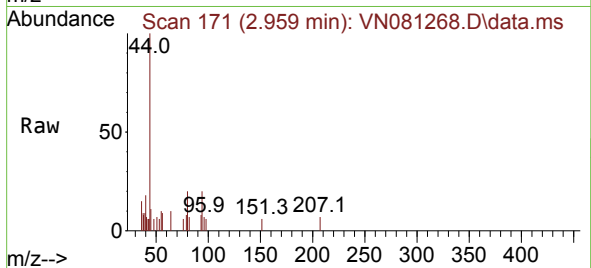




#5
Bromomethane
Concen: 0.343 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

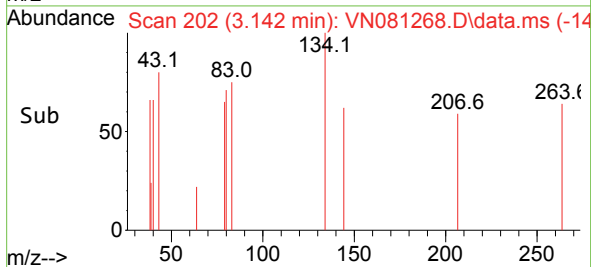
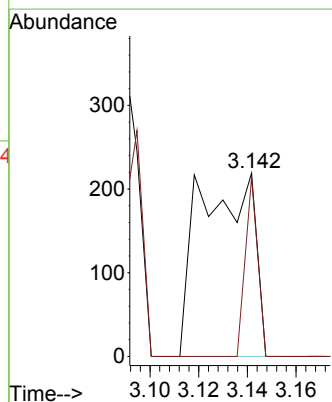
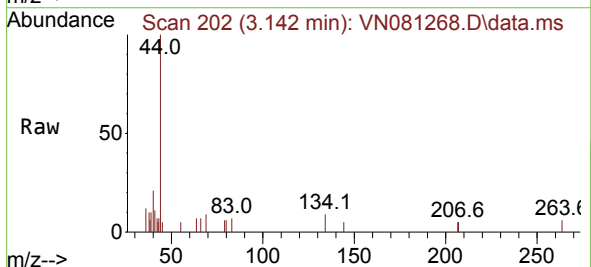
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

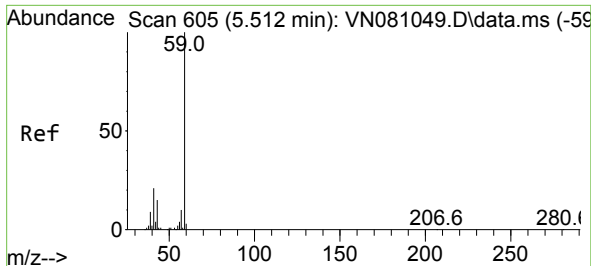
Tgt Ion: 94 Resp: 1170
Ion Ratio Lower Upper
94 100
96 34.2 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 97.7 26.4 39.6#

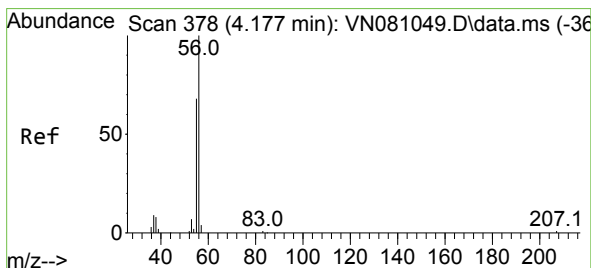
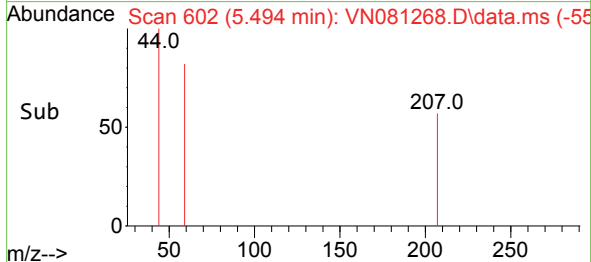
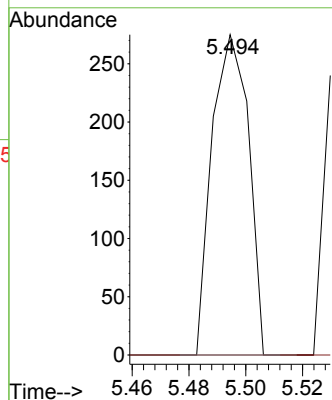
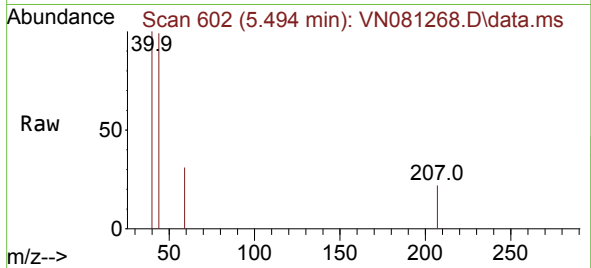




#11
Tert butyl alcohol
Concen: 0.327 ug/l
RT: 5.494 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

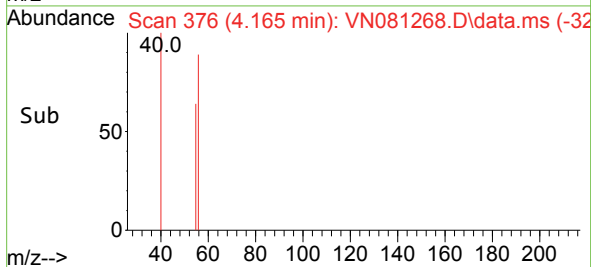
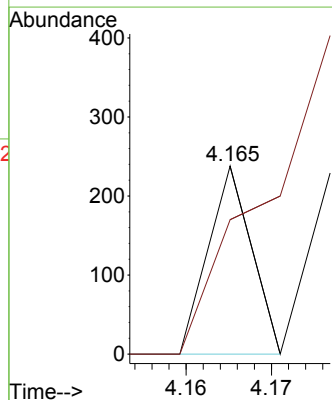
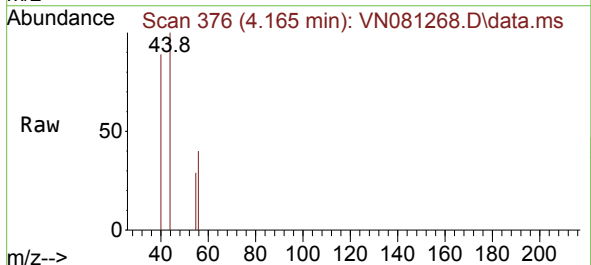
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

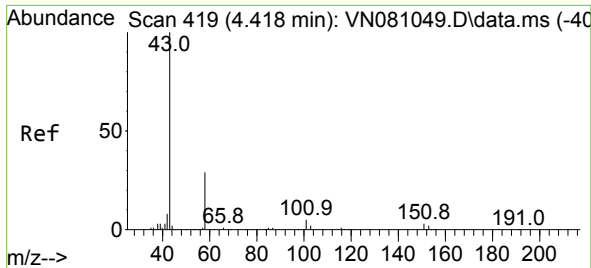
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.208 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 419.0 55.3 82.9#

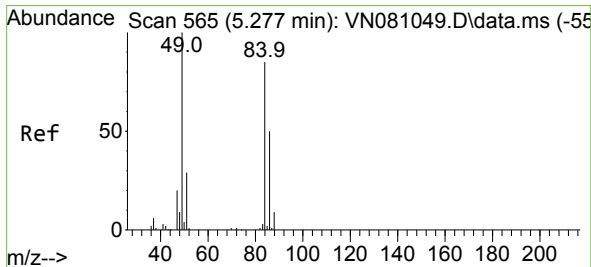
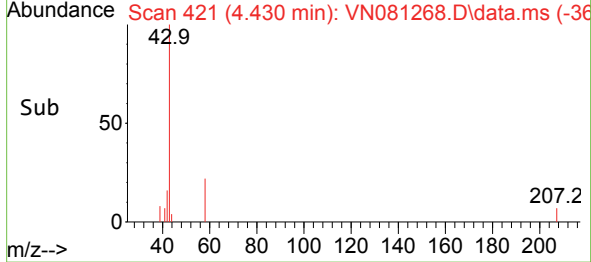
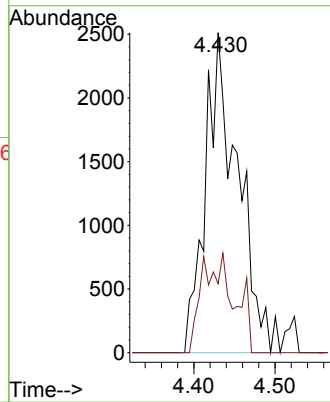
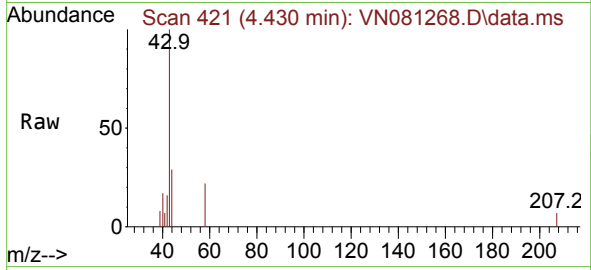




#16
Acetone
Concen: 4.351 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

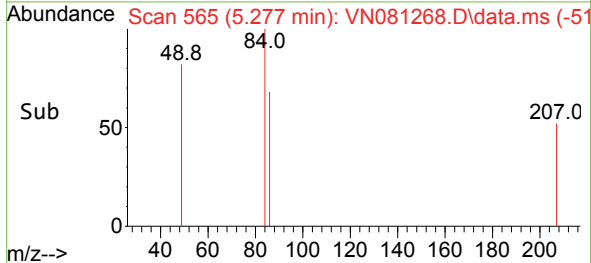
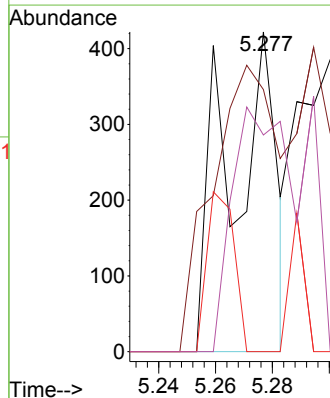
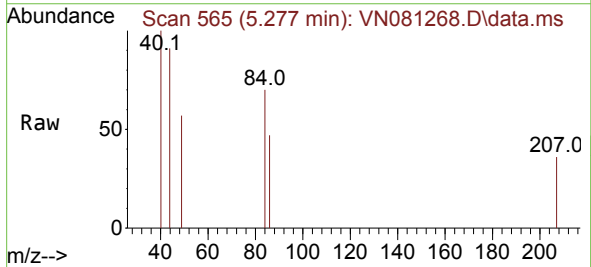
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

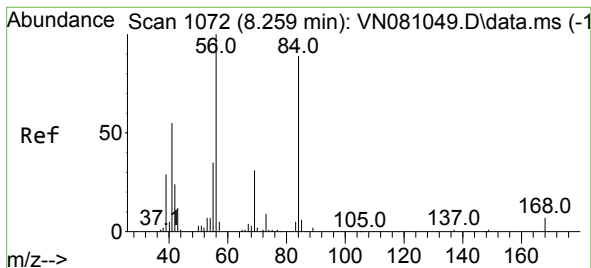
Tgt Ion: 43 Resp: 7012
Ion Ratio Lower Upper
43 100
58 21.6 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 82.0 108.1 162.1#
51 0.0 32.9 49.3#
86 67.8 48.6 73.0





#31

Cyclohexane

Concen: 1.411 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081268.D

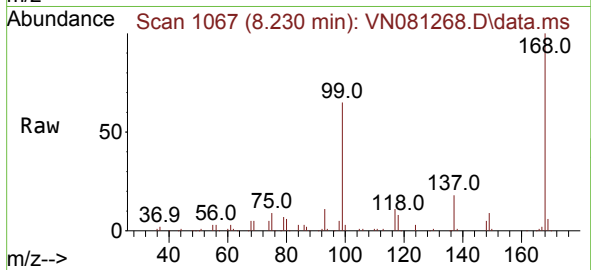
Acq: 29 Feb 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

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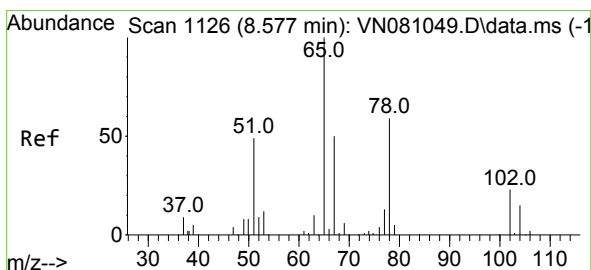
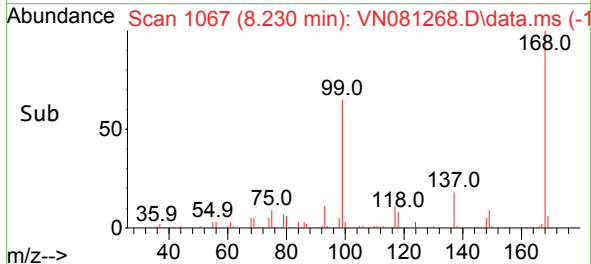
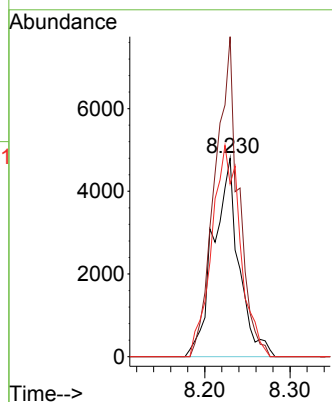
Tgt Ion: 56 Resp: 9979

Ion Ratio Lower Upper

56 100

69 161.2 20.1 30.1#

84 87.0 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 55.120 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081268.D

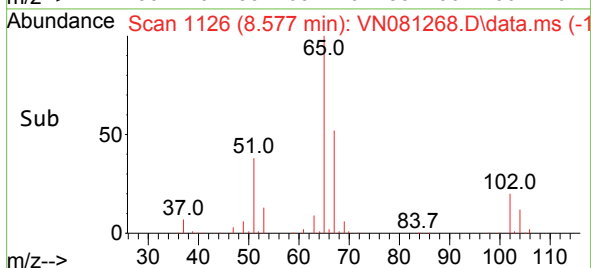
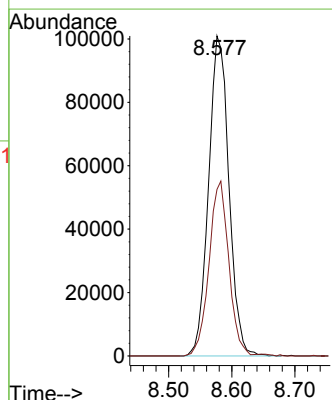
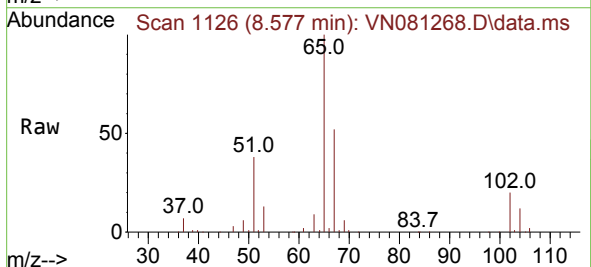
Acq: 29 Feb 2024 14:50

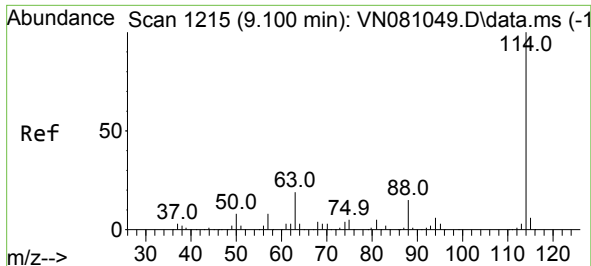
Tgt Ion: 65 Resp: 225783

Ion Ratio Lower Upper

65 100

67 53.2 0.0 102.4

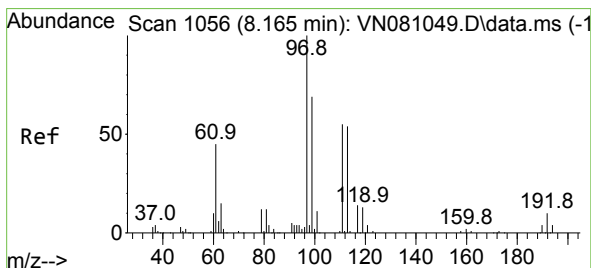
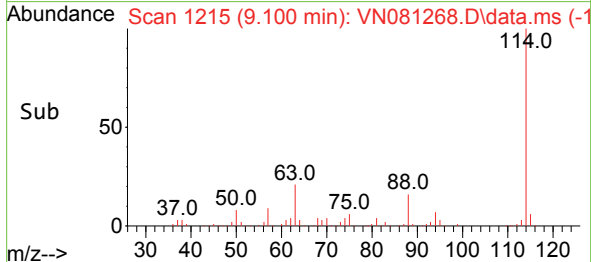
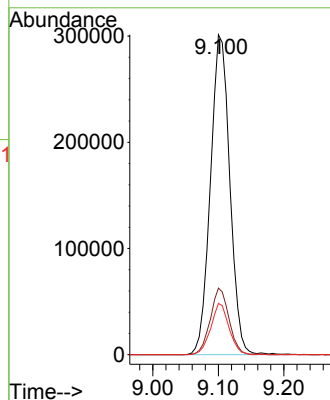
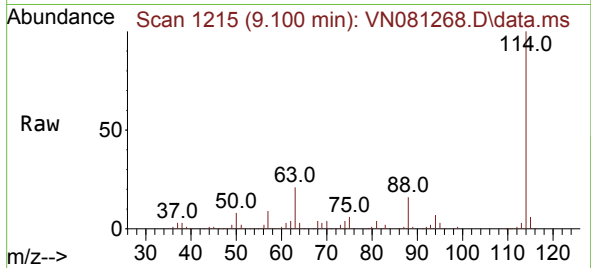




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

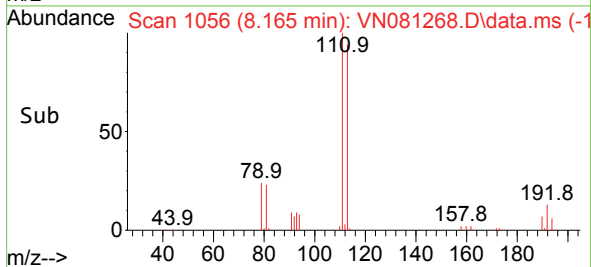
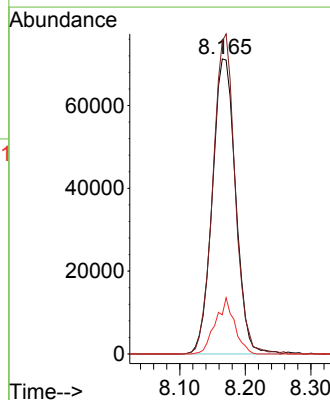
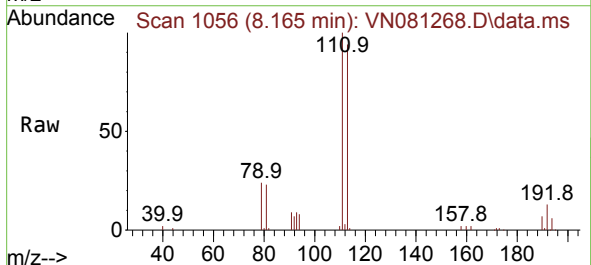
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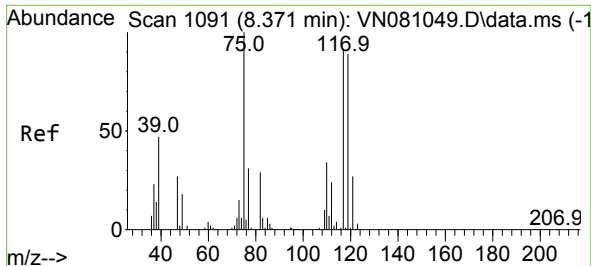
Tgt Ion:114 Resp: 617699
Ion Ratio Lower Upper
114 100
63 20.8 0.0 48.0
88 16.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.258 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion:113 Resp: 175547
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 15.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.167 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN081268.D

Acq: 29 Feb 2024 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB02-20240223

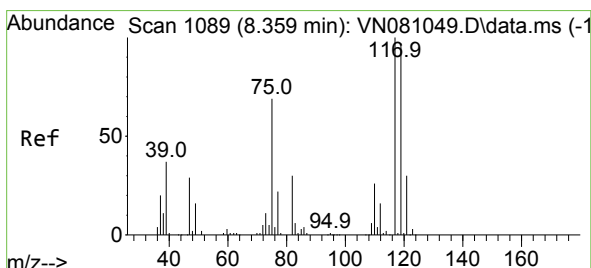
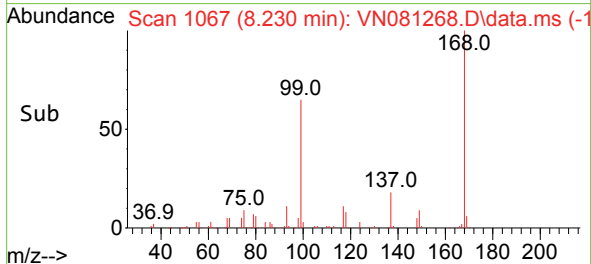
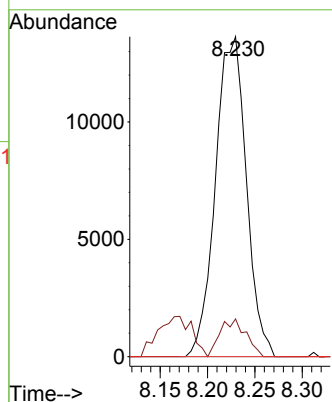
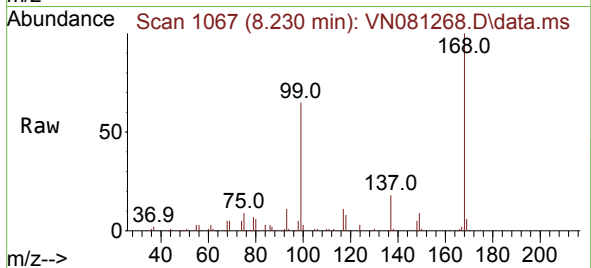
Tgt Ion: 75 Resp: 30917

Ion Ratio Lower Upper

75 100

110 9.9 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081268.D

Acq: 29 Feb 2024 14:50

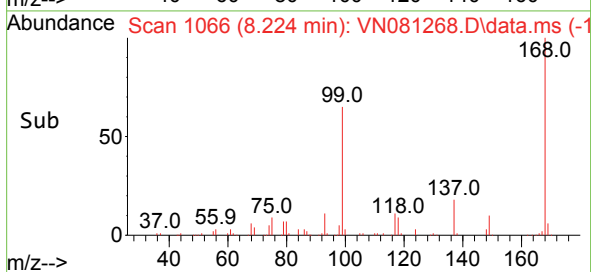
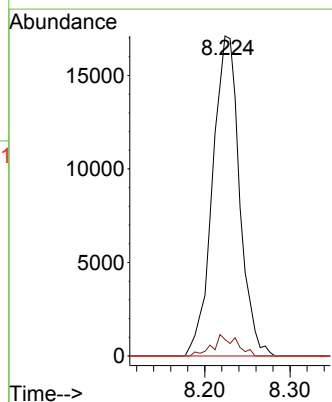
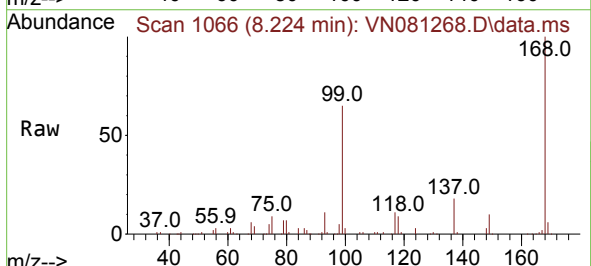
Tgt Ion: 117 Resp: 37607

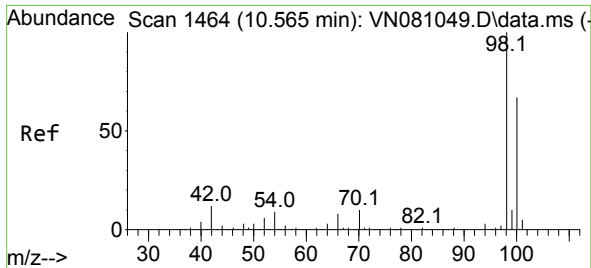
Ion Ratio Lower Upper

117 100

119 5.1 73.4 110.2#

121 0.0 24.4 36.6#

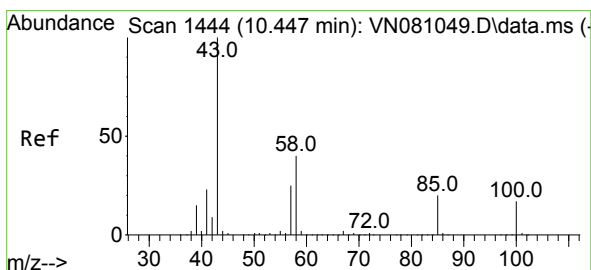
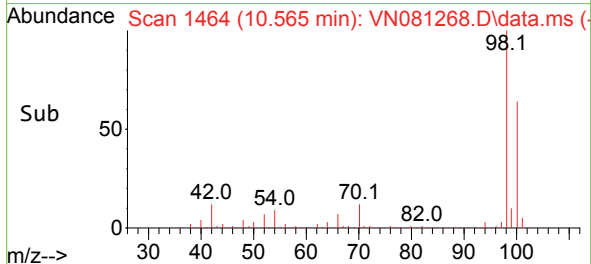
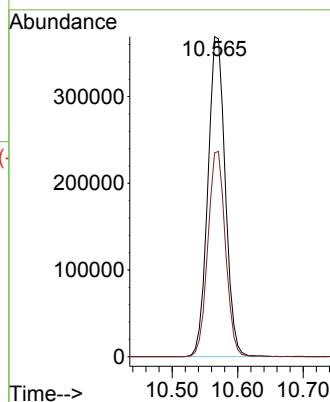
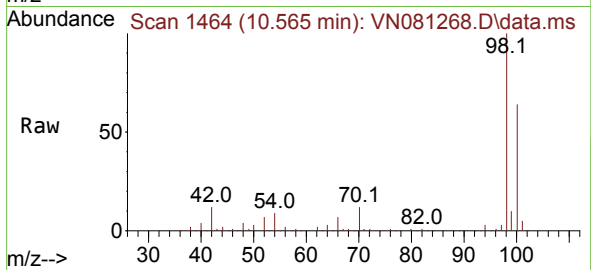




#50
Toluene-d8
Concen: 54.792 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

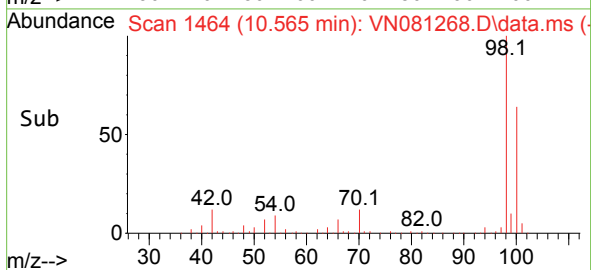
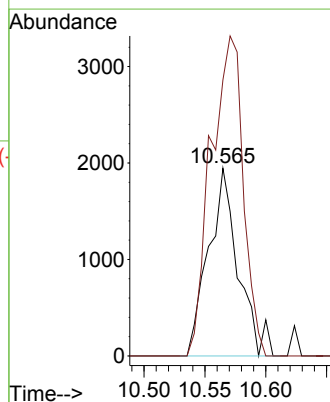
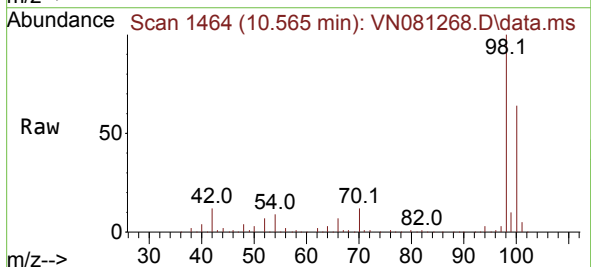
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

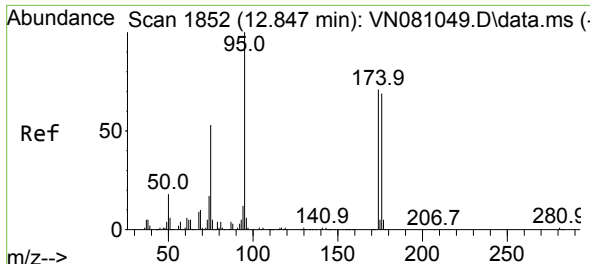
Tgt Ion: 98 Resp: 679742
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 43 Resp: 3303
Ion Ratio Lower Upper
43 100
58 185.6 29.4 44.0#

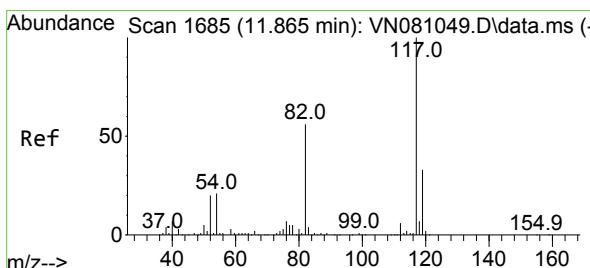
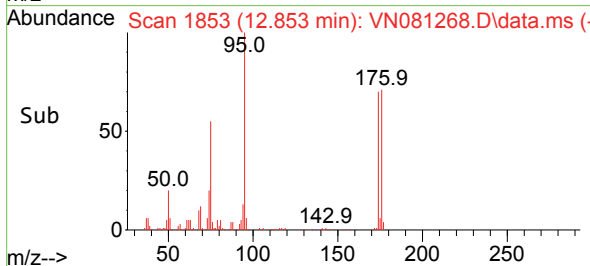
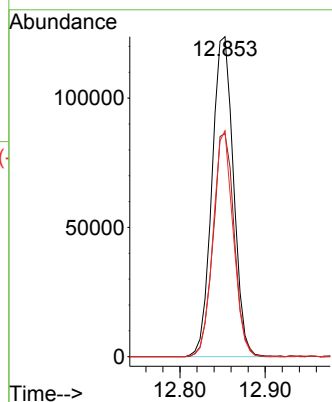
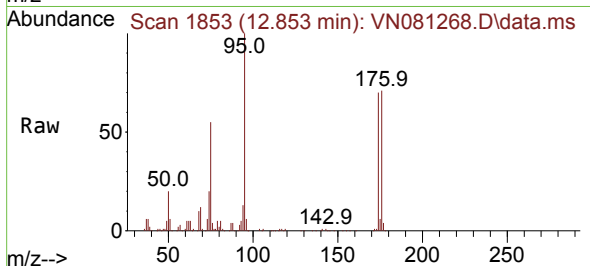




#62
4-Bromofluorobenzene
Concen: 46.471 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

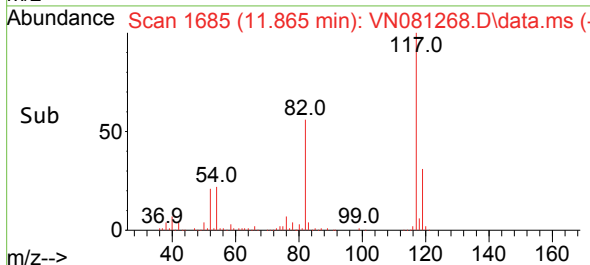
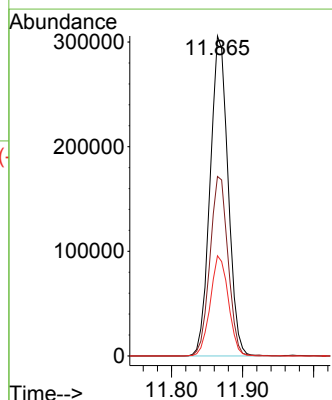
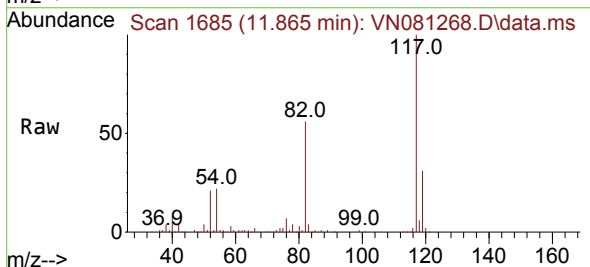
Instrument :
MSVOA_N
ClientSampleId :
EB02-20240223

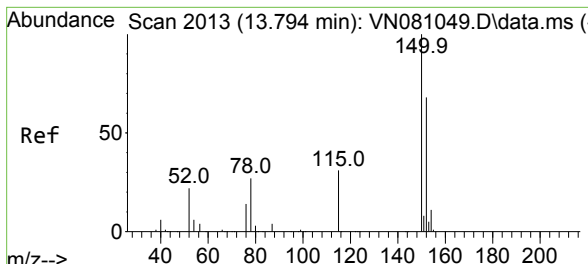
Tgt Ion: 95 Resp: 216624
Ion Ratio Lower Upper
95 100
174 68.6 0.0 120.4
176 66.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081268.D
Acq: 29 Feb 2024 14:50

Tgt Ion: 117 Resp: 534881
Ion Ratio Lower Upper
117 100
82 56.1 52.7 79.1
119 31.3 25.3 37.9

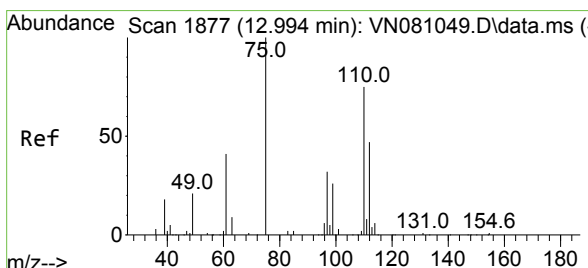
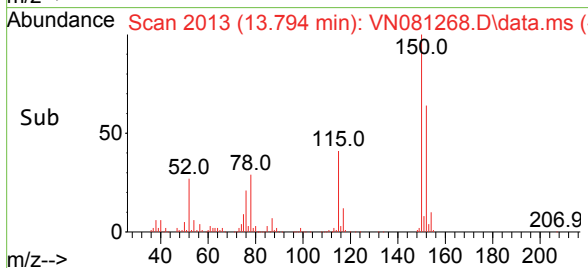
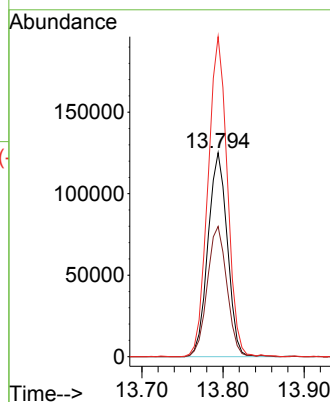
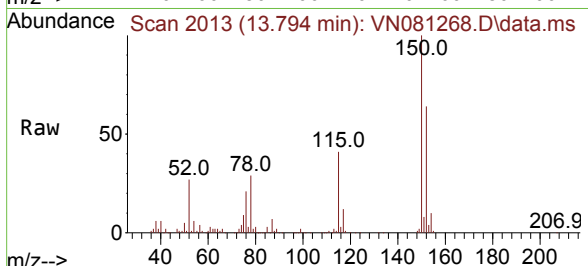




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081268.D
 Acq: 29 Feb 2024 14:50

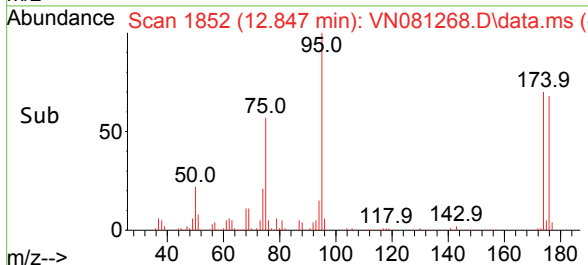
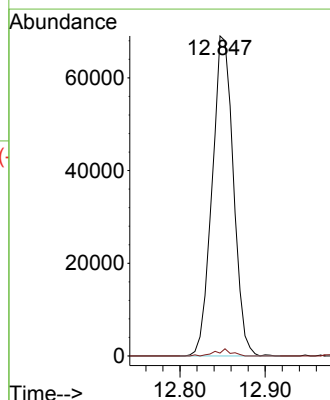
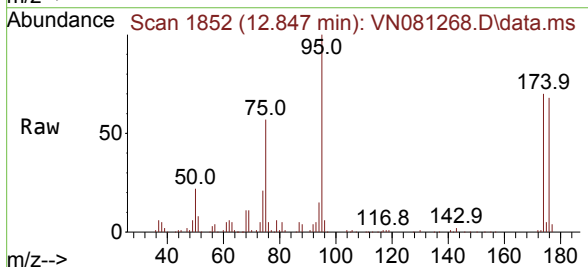
Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20240223

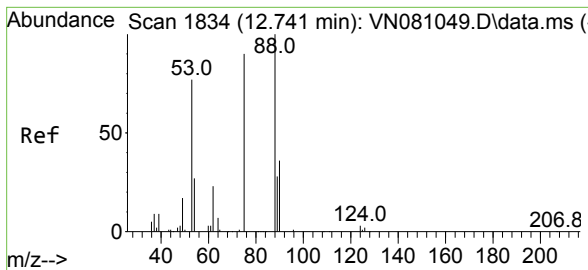
Tgt Ion:152 Resp: 206466
 Ion Ratio Lower Upper
 152 100
 115 64.9 32.3 96.8
 150 157.4 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 25.472 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081268.D
 Acq: 29 Feb 2024 14:50

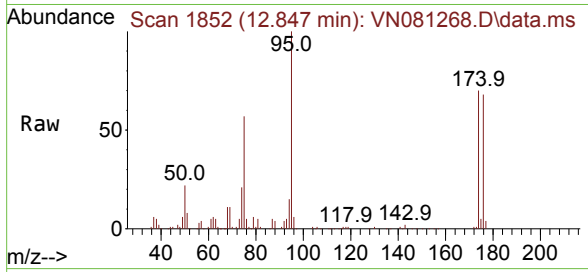
Tgt Ion: 75 Resp: 119492
 Ion Ratio Lower Upper
 75 100
 77 1.7 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.564 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081268.D
 Acq: 29 Feb 2024 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20240223



Tgt Ion: 75 Resp: 119492
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.1 33.4 50.0#

