

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080902.D
 Acq On : 05 Feb 2024 17:26
 Operator : JC\MD
 Sample : P1371-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T385-AOP

Quant Time: Feb 06 04:45:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	83548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	207036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87816	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68567	47.439	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.880%
35) Dibromofluoromethane	8.165	113	51483	43.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.720%
50) Toluene-d8	10.571	98	217242	46.743	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.853	95	84850	52.391	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.780%

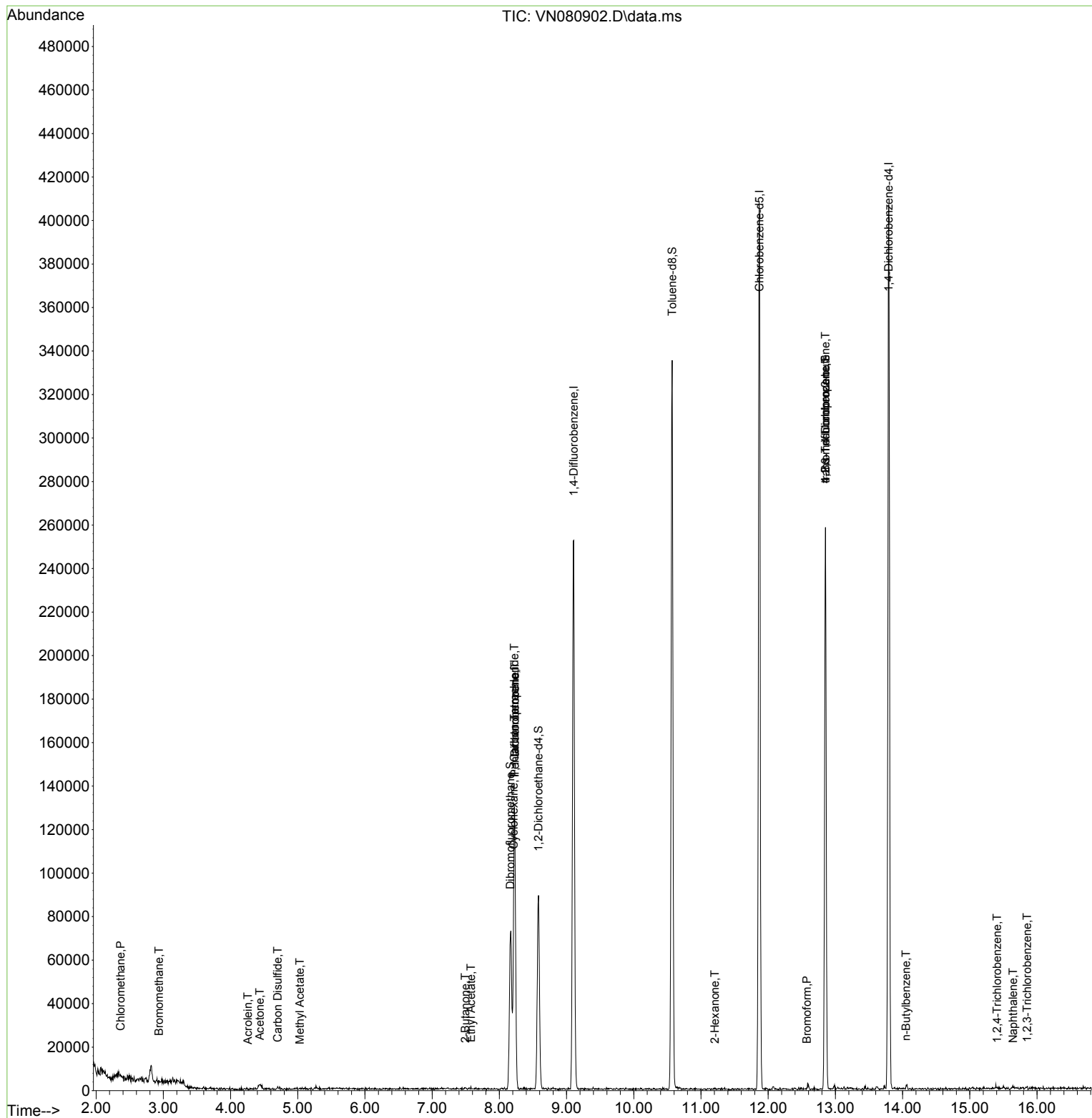
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	1571	0.842	ug/l	90
5) Bromomethane	2.936	94	143	0.252	ug/l #	6
13) Acrolein	4.259	56	63	0.212	ug/l #	15
16) Acetone	4.436	43	4825	9.205	ug/l #	78
17) Carbon Disulfide	4.700	76	867	0.237	ug/l #	78
18) Methyl Acetate	5.030	43	564	0.309	ug/l #	54
25) 2-Butanone	7.494	43	884	0.888	ug/l #	51
31) Cyclohexane	8.212	56	3443	1.389	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	9323	4.224	ug/l #	48
37) Ethyl Acetate	7.577	43	988	0.435	ug/l #	78
38) Carbon Tetrachloride	8.224	117	9961	5.602	ug/l #	14
59) 2-Hexanone	11.206	43	545	0.303	ug/l #	42
71) Bromoform	12.576	173	643	0.647	ug/l #	79
76) 1,2,3-Trichloropropane	12.853	75	51562	19.468	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51562	50.153	ug/l #	14
89) n-Butylbenzene	14.053	91	1403	0.245	ug/l	82
93) 1,2,4-Trichlorobenzene	15.406	180	481	0.332	ug/l #	66
95) Naphthalene	15.647	128	1286	0.232	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	504	0.354	ug/l #	37

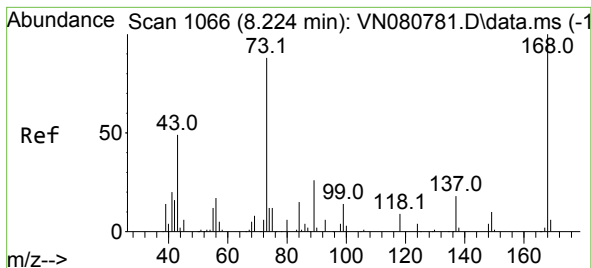
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 29 12:54:23 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080902.D

Acq: 05 Feb 2024 17:26

Instrument :

MSVOA_N

ClientSampleId :

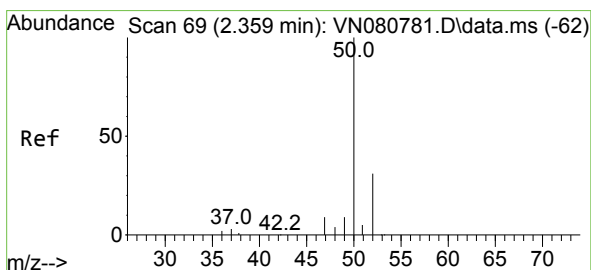
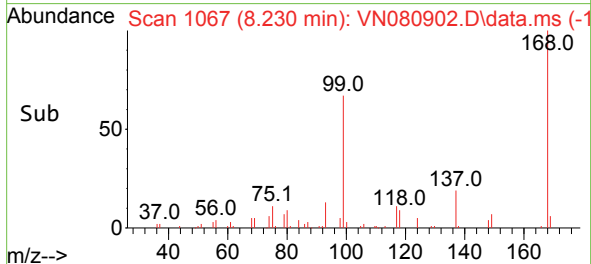
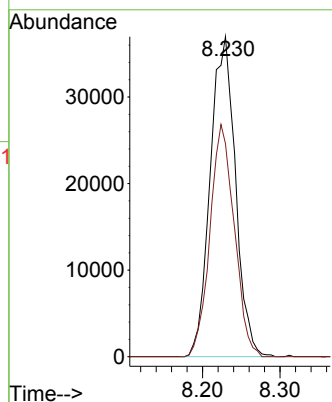
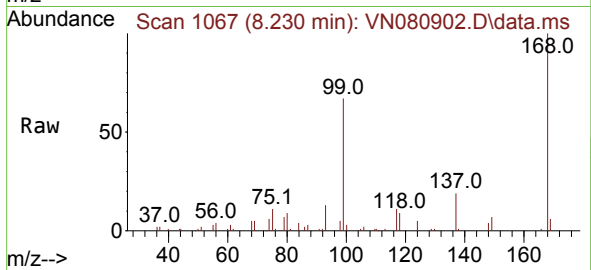
T385-AOP

Tgt Ion:168 Resp: 83548

Ion Ratio Lower Upper

168 100

99 66.6 59.9 89.9



#3

Chloromethane

Concen: 0.842 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080902.D

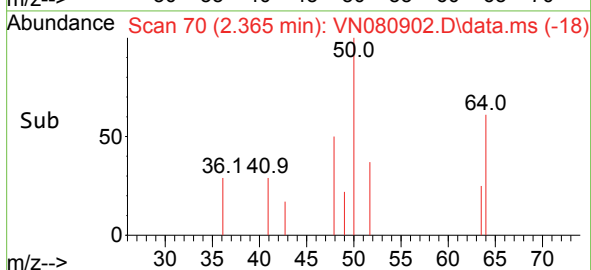
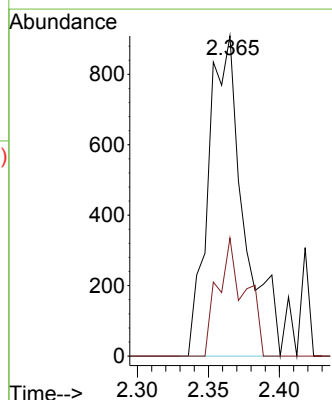
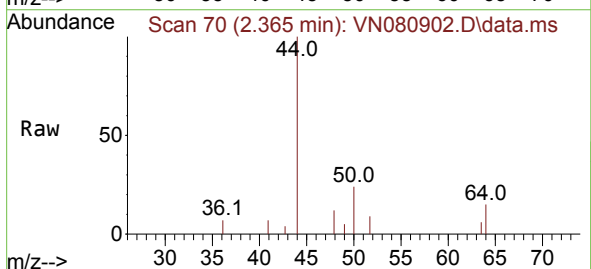
Acq: 05 Feb 2024 17:26

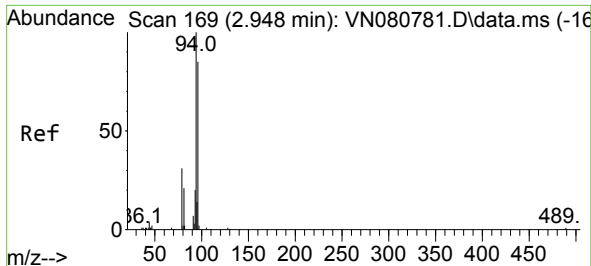
Tgt Ion: 50 Resp: 1571

Ion Ratio Lower Upper

50 100

52 36.9 25.0 37.4

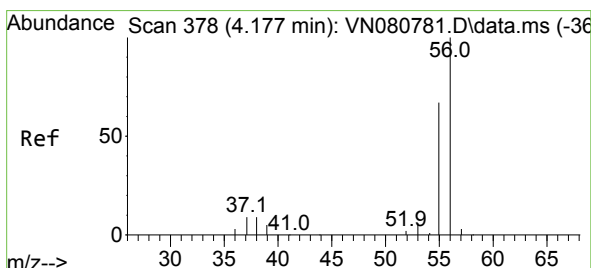
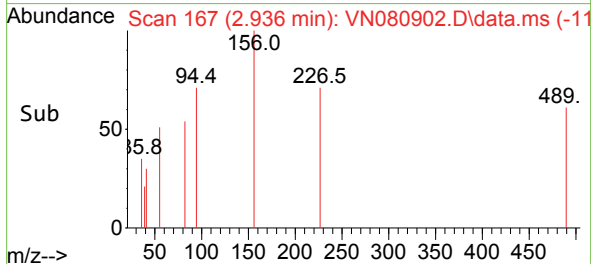
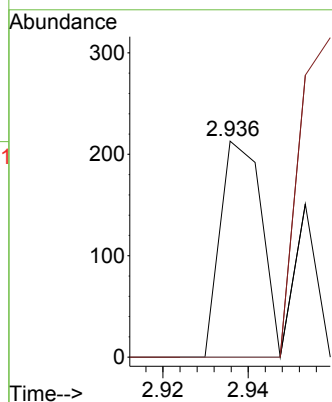
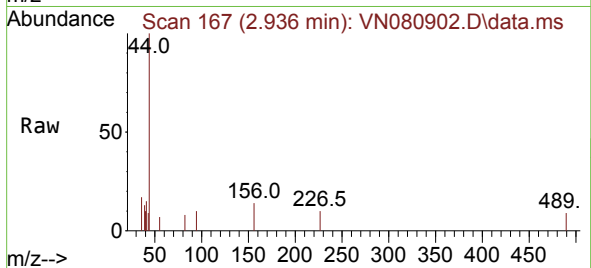




#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.936 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

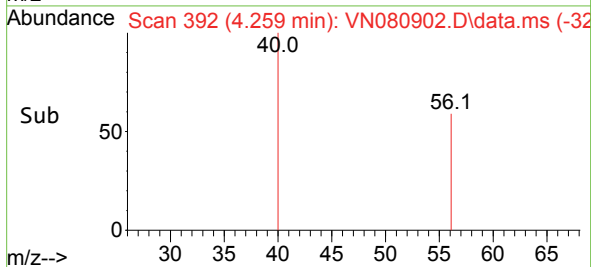
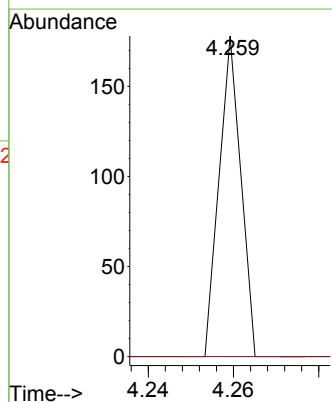
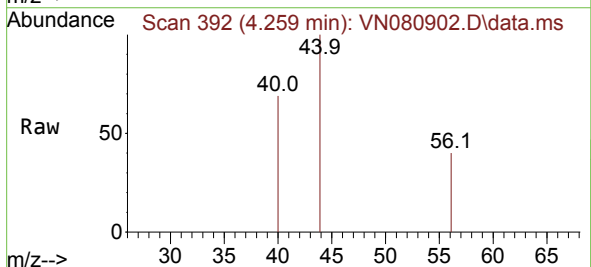
Instrument :
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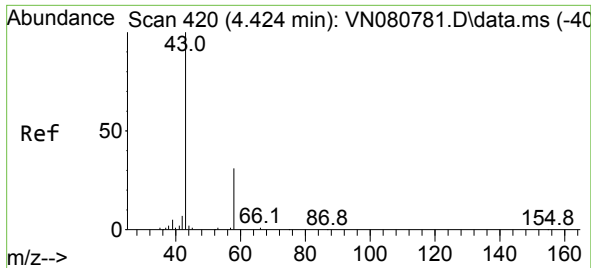
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#13
Acrolein
Concen: 0.212 ug/l
RT: 4.259 min Scan# 392
Delta R.T. 0.082 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

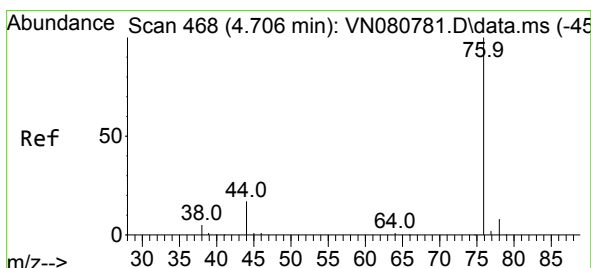
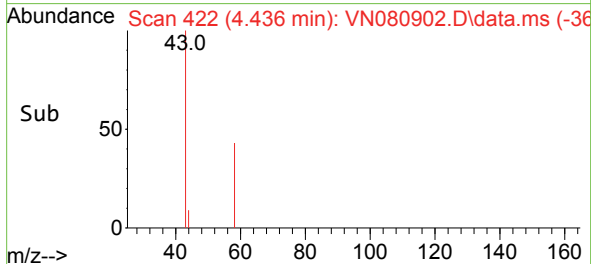
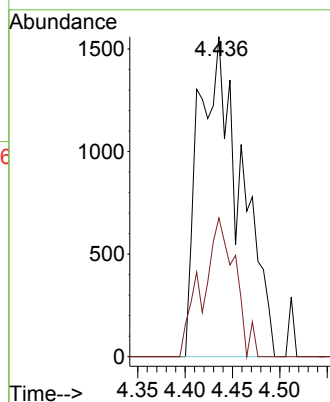
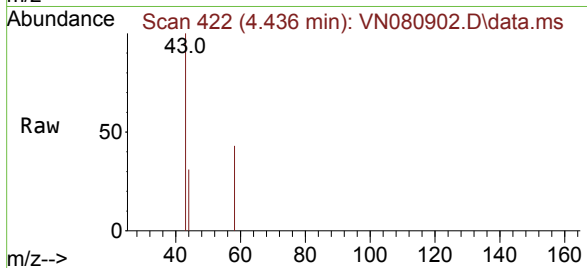




#16
Acetone
Concen: 9.205 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

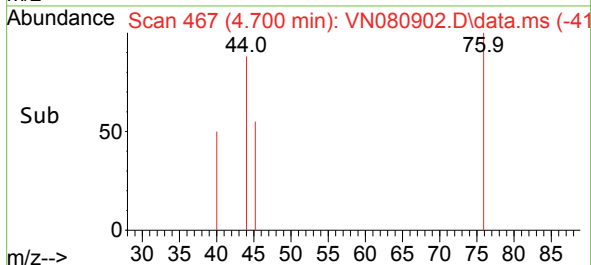
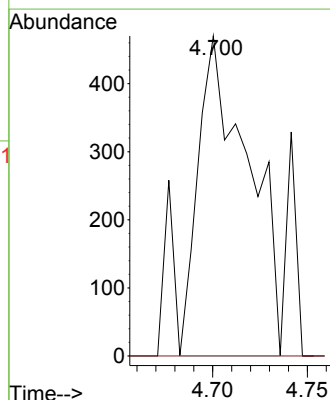
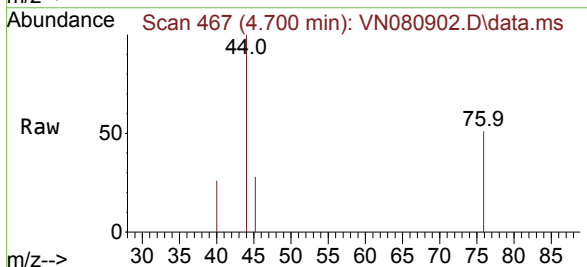
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

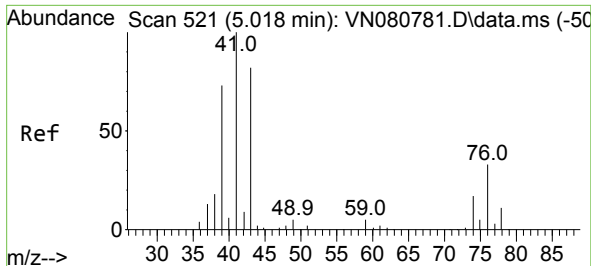
Tgt Ion: 43 Resp: 4825
Ion Ratio Lower Upper
43 100
58 43.3 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion: 76 Resp: 867
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

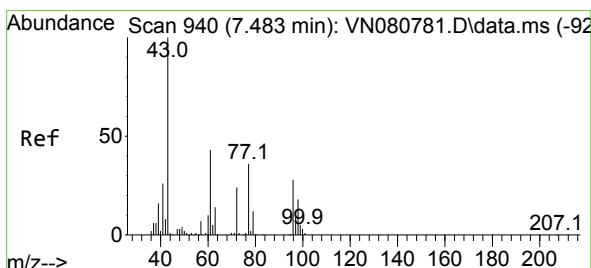
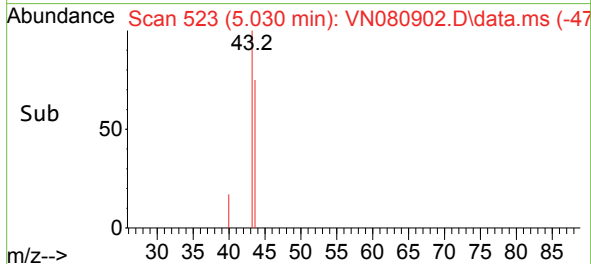
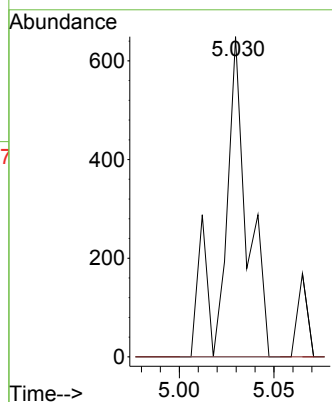
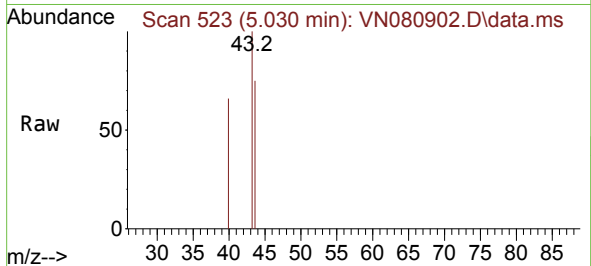




#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

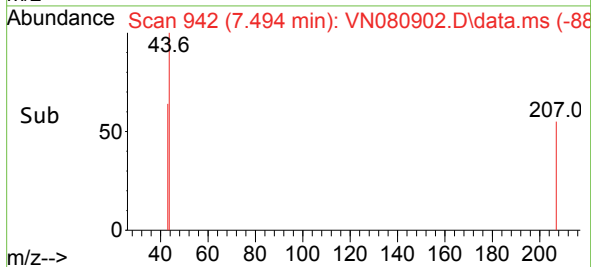
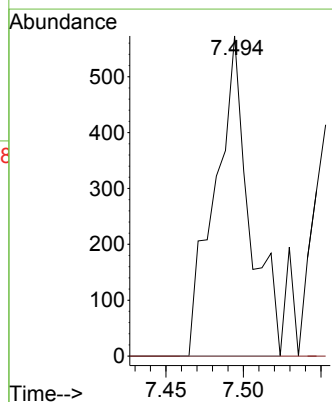
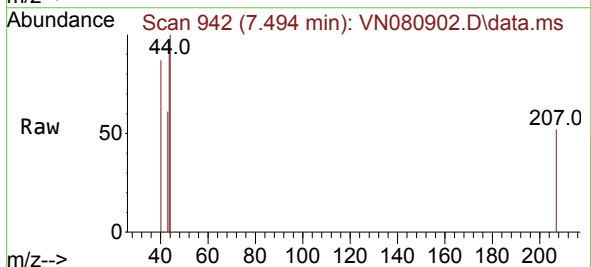
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

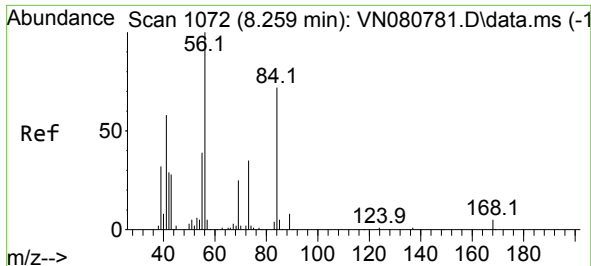
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#25
2-Butanone
Concen: 0.888 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

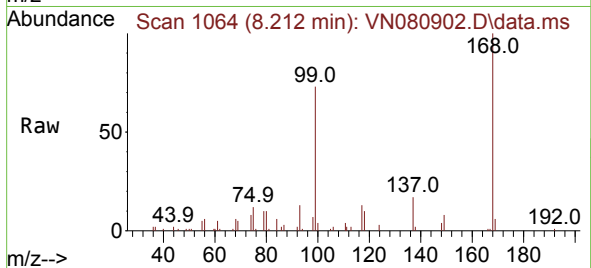
Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



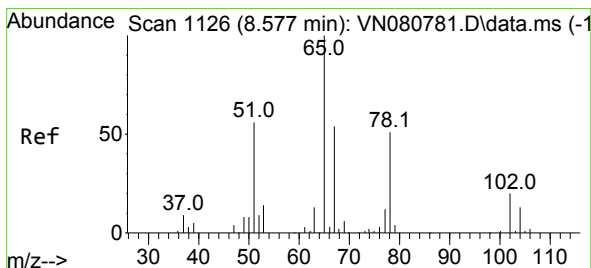
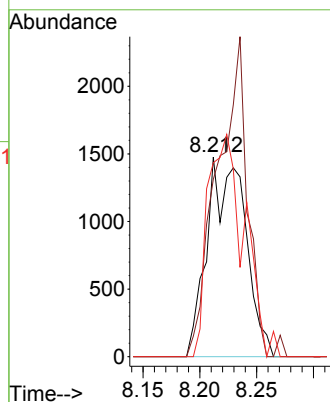
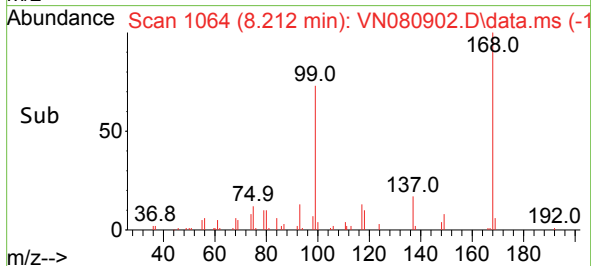


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.047 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

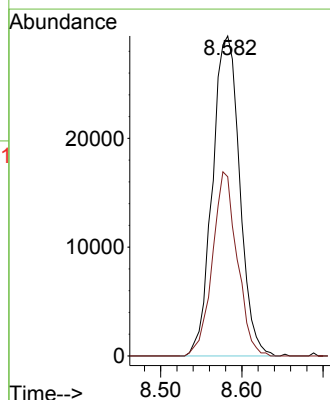
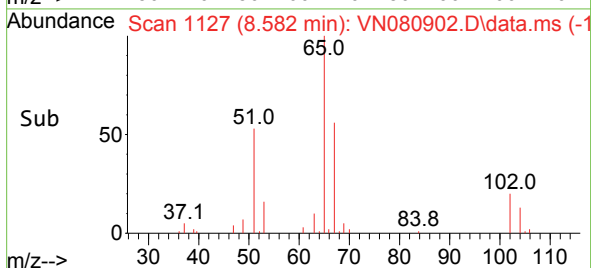
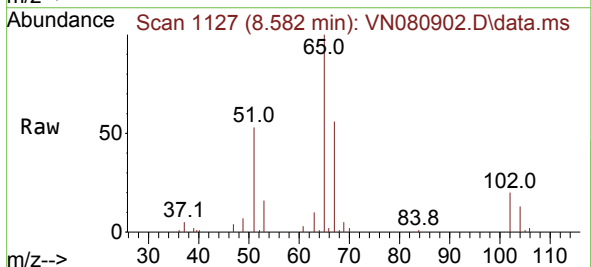


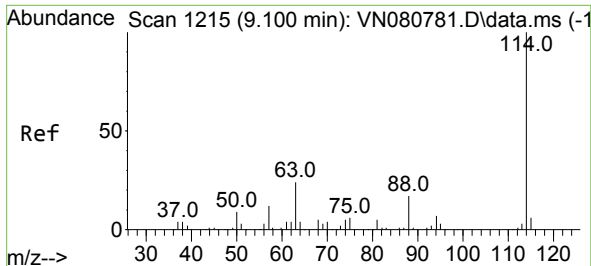
Tgt Ion: 56 Resp: 3443
Ion Ratio Lower Upper
56 100
69 89.0 20.1 30.1#
84 97.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 47.439 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion: 65 Resp: 68567
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.4

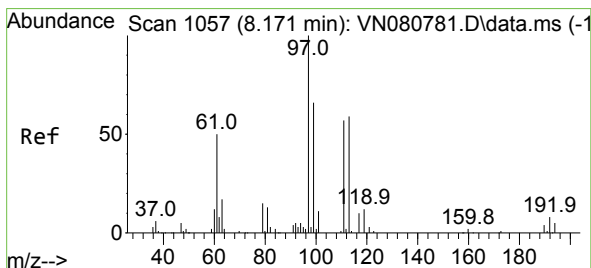
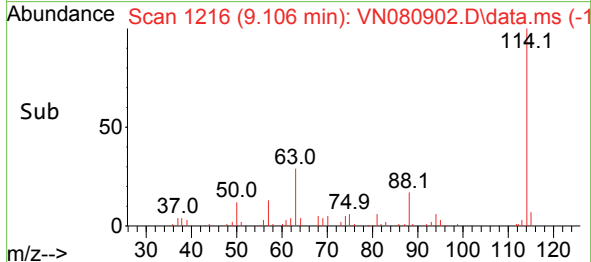
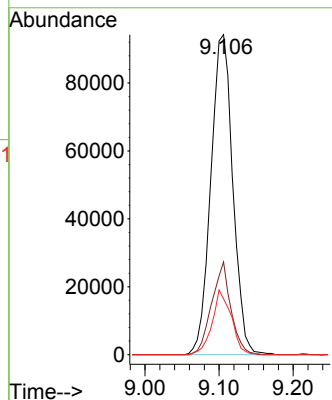
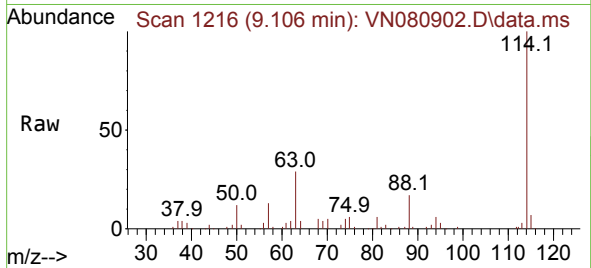




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

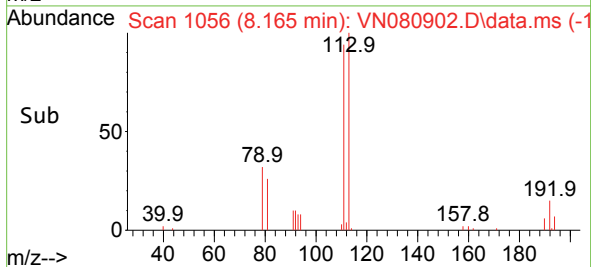
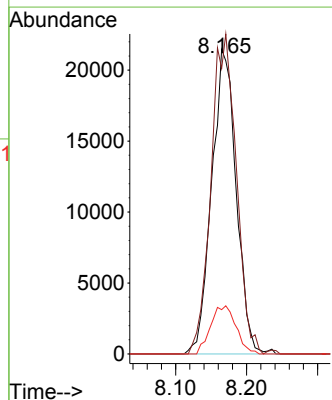
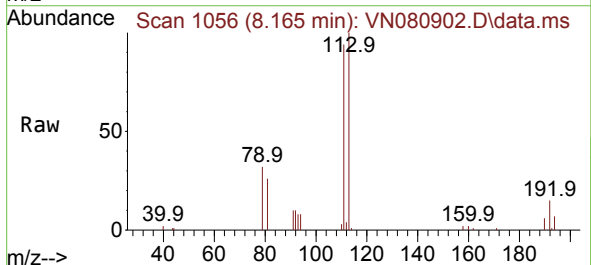
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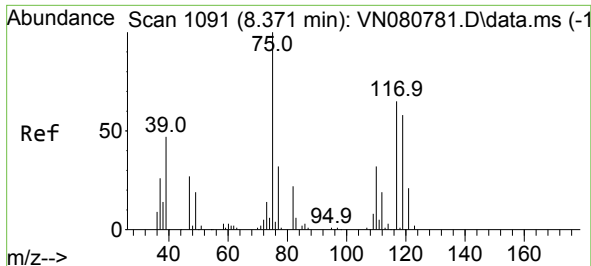
Tgt Ion:114 Resp: 194089
Ion Ratio Lower Upper
114 100
63 29.0 0.0 48.0
88 17.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 43.356 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion:113 Resp: 51483
Ion Ratio Lower Upper
113 100
111 108.1 82.2 123.4
192 16.4 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN080902.D

Acq: 05 Feb 2024 17:26

Instrument :

MSVOA_N

ClientSampleId :

T385-AOP

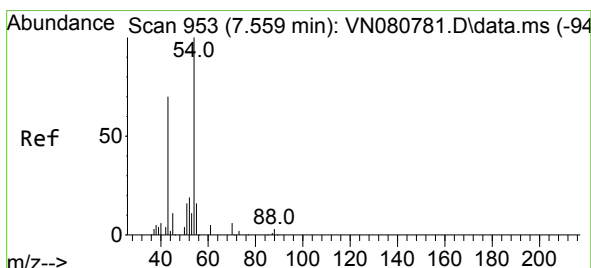
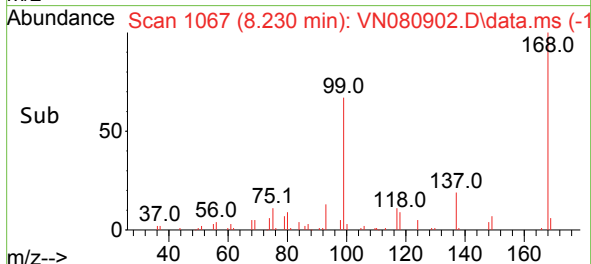
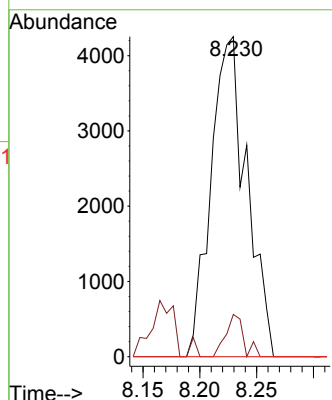
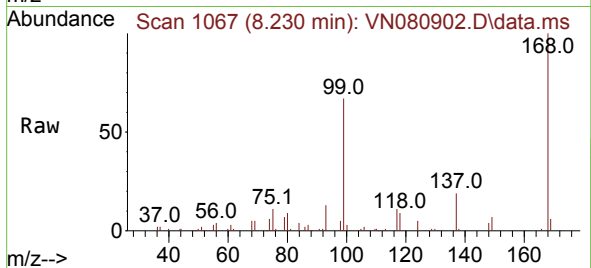
Tgt Ion: 75 Resp: 9323

Ion Ratio Lower Upper

75 100

110 6.6 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.435 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.018 min

Lab File: VN080902.D

Acq: 05 Feb 2024 17:26

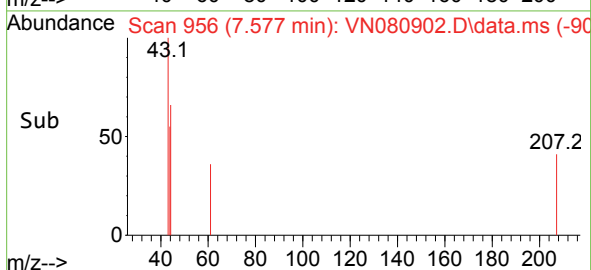
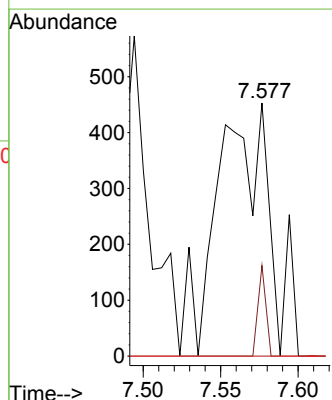
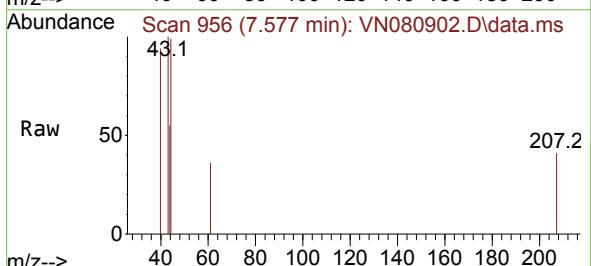
Tgt Ion: 43 Resp: 988

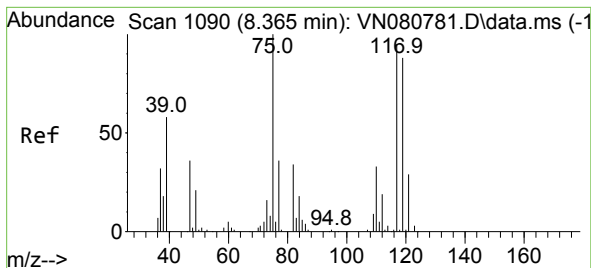
Ion Ratio Lower Upper

43 100

61 5.8 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080902.D

Acq: 05 Feb 2024 17:26

Instrument :

MSVOA_N

ClientSampleId :

T385-AOP

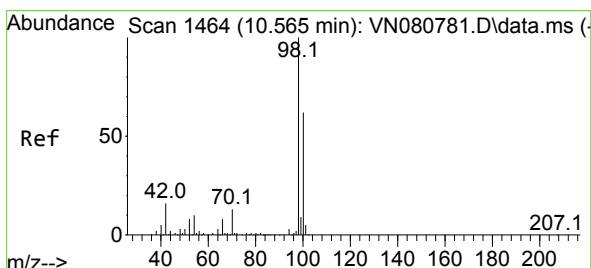
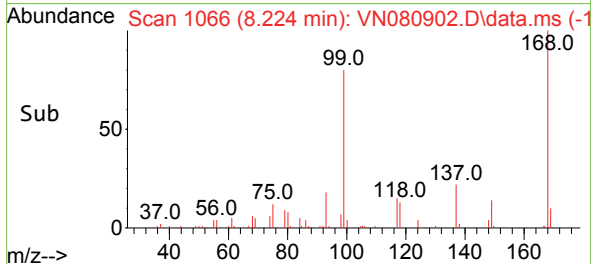
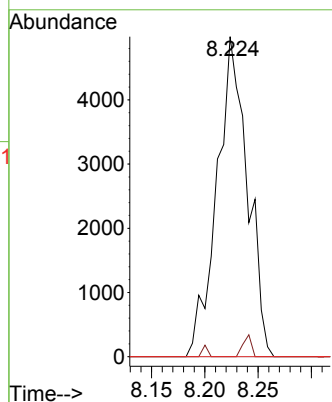
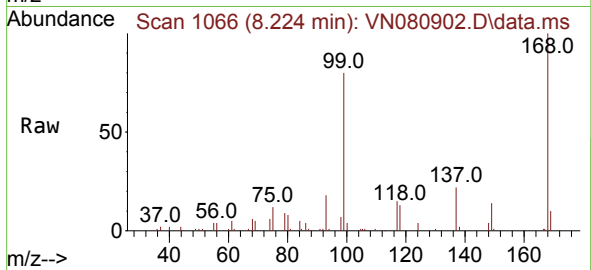
Tgt Ion:117 Resp: 9961

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 46.743 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080902.D

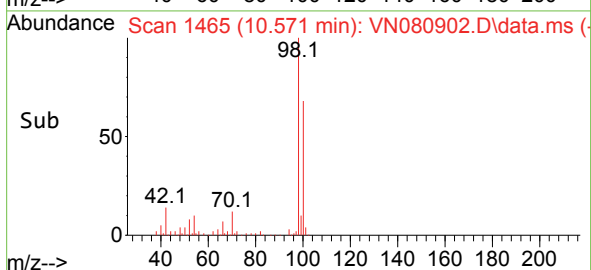
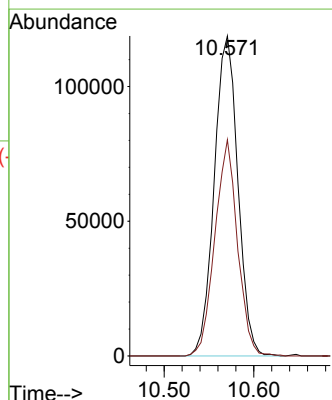
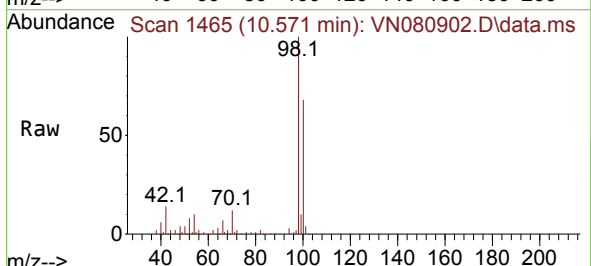
Acq: 05 Feb 2024 17:26

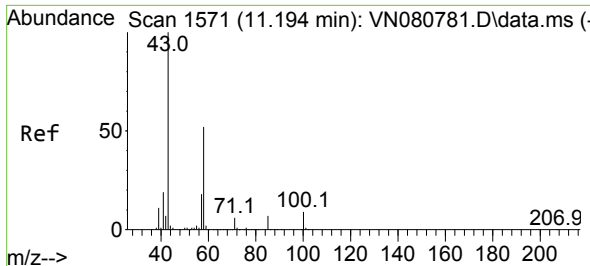
Tgt Ion: 98 Resp: 217242

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

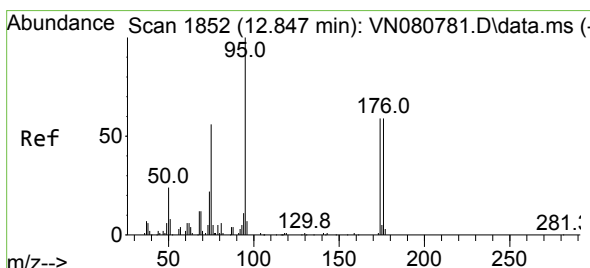
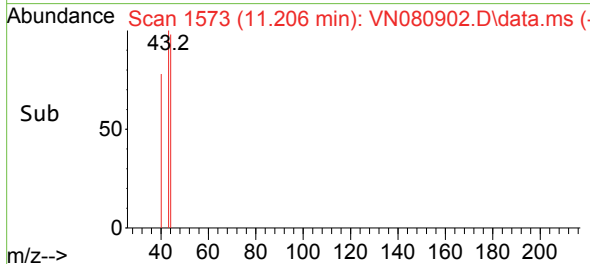
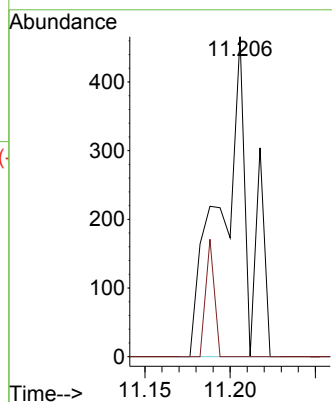
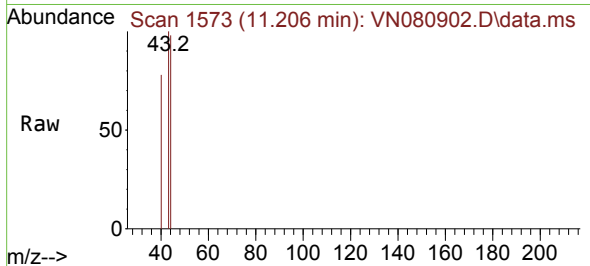




#59
2-Hexanone
Concen: 0.303 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

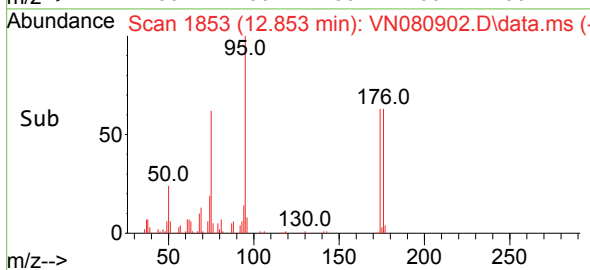
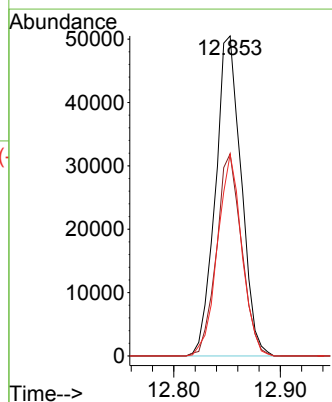
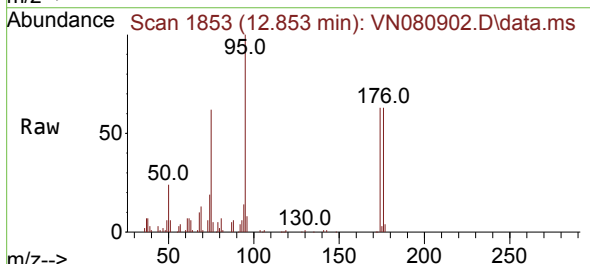
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

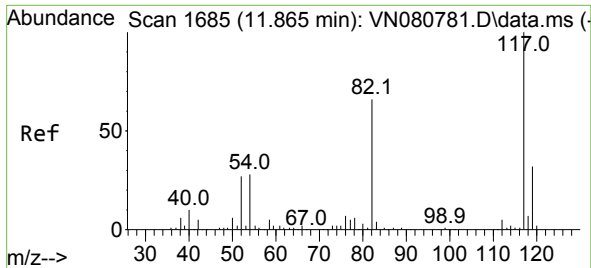
Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 11.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 52.391 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion: 95 Resp: 84850
Ion Ratio Lower Upper
95 100
174 61.6 0.0 120.4
176 59.5 0.0 121.0

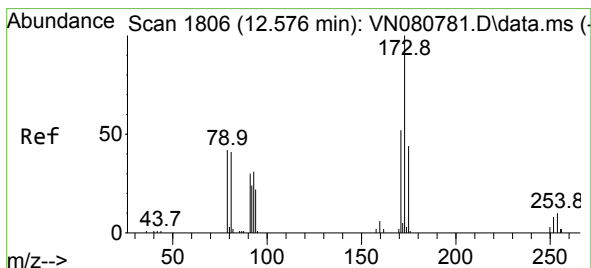
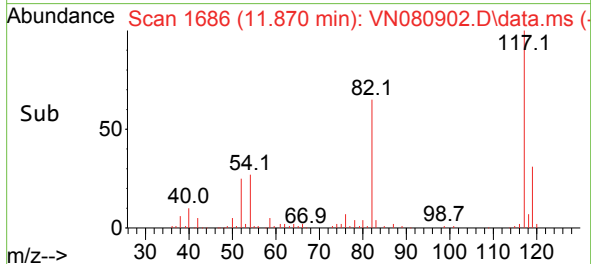
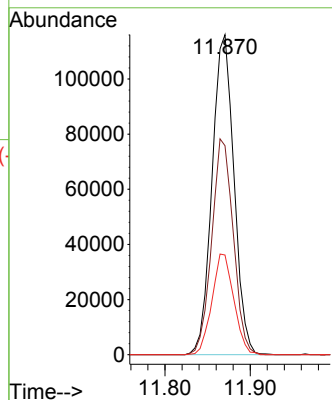
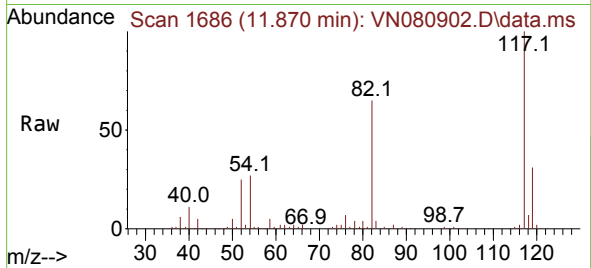




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

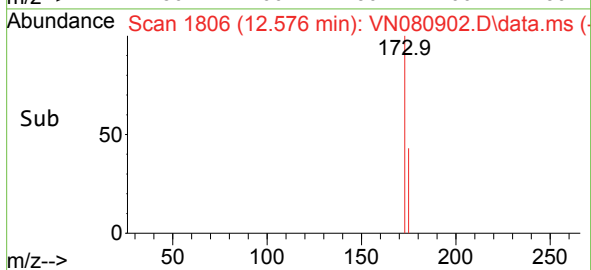
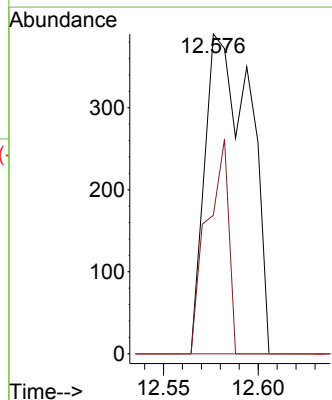
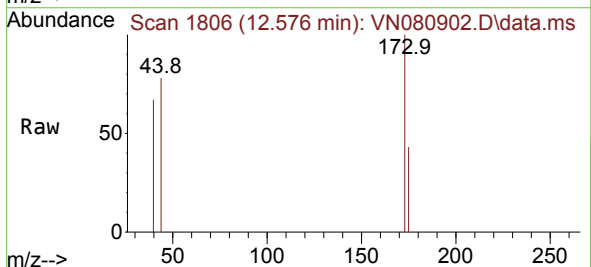
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

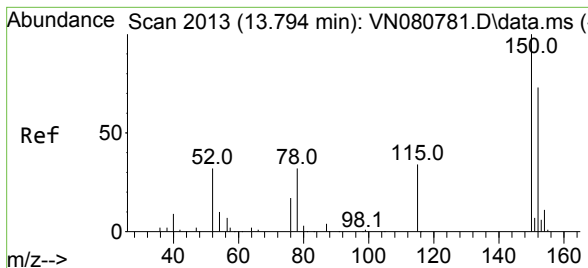
Tgt Ion:117 Resp: 207036
Ion Ratio Lower Upper
117 100
82 65.3 52.7 79.1
119 31.2 25.3 37.9



#71
Bromoform
Concen: 0.647 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

Tgt Ion:173 Resp: 643
Ion Ratio Lower Upper
173 100
175 32.3 23.1 69.2
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080902.D

Acq: 05 Feb 2024 17:26

Instrument :

MSVOA_N

ClientSampleId :

T385-AOP

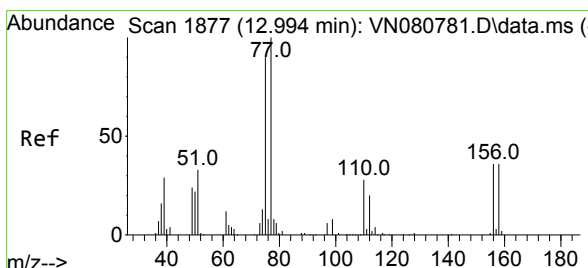
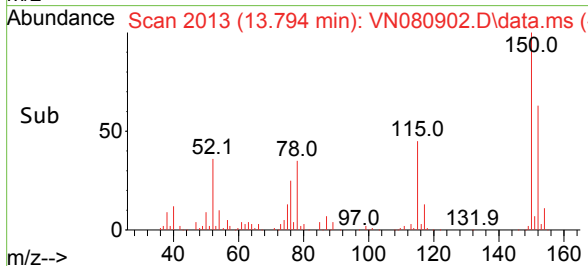
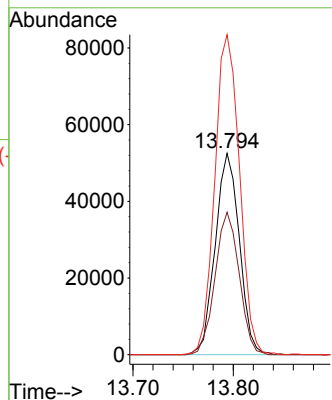
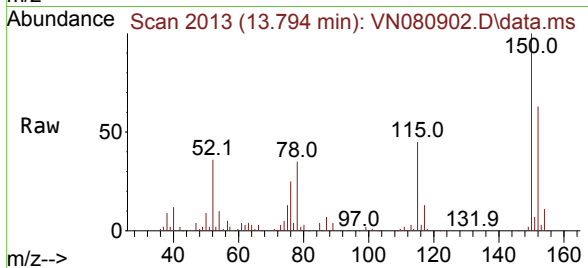
Tgt Ion:152 Resp: 87816

Ion Ratio Lower Upper

152 100

115 70.8 32.3 96.8

150 163.1 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 19.468 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080902.D

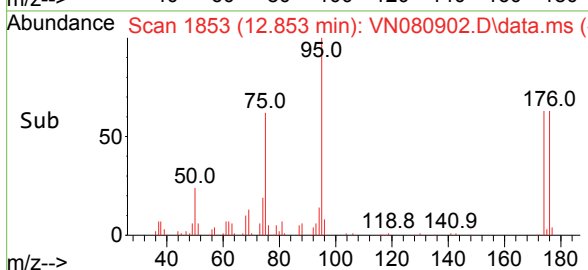
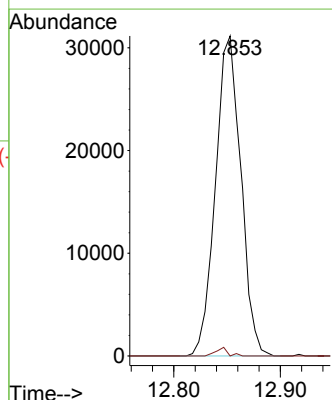
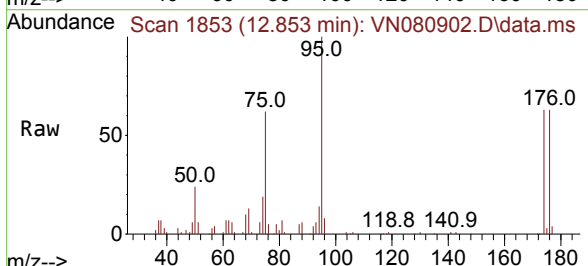
Acq: 05 Feb 2024 17:26

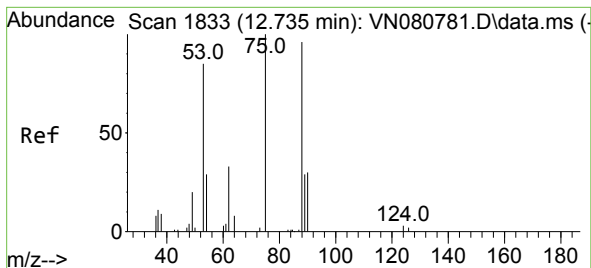
Tgt Ion: 75 Resp: 51562

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#

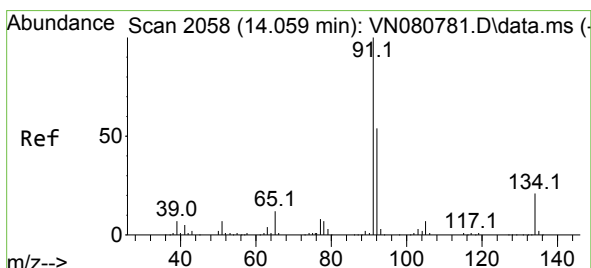
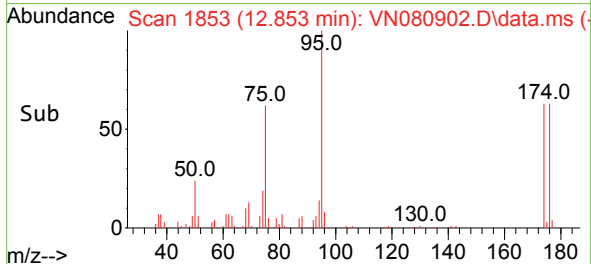
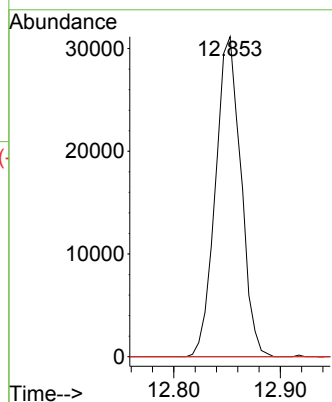
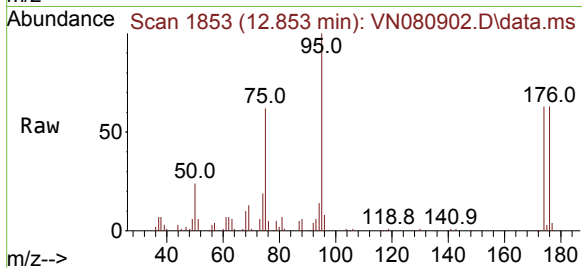




#81
trans-1,4-Dichloro-2-butene
Concen: 50.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

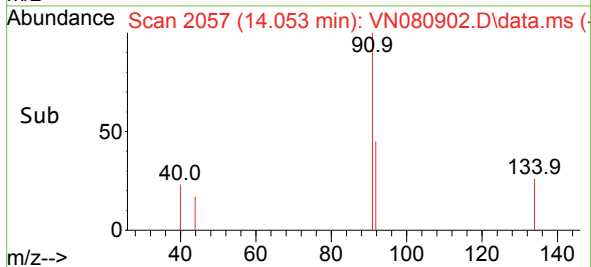
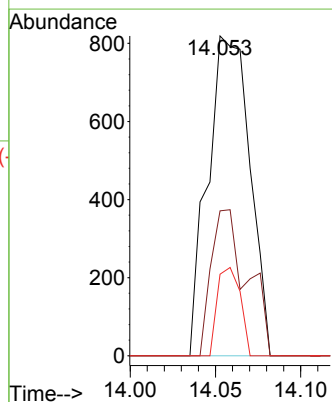
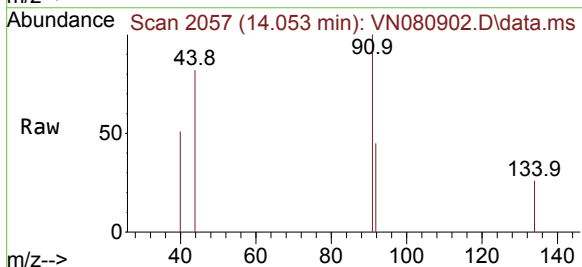
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP

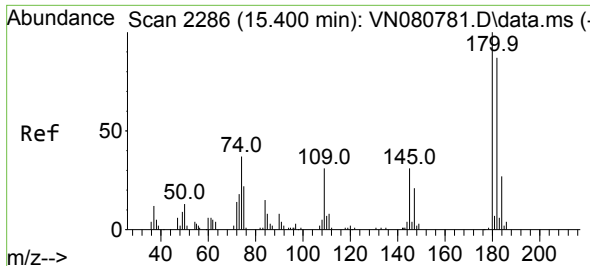
Tgt Ion: 75 Resp: 51562
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#89
n-Butylbenzene
Concen: 0.245 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

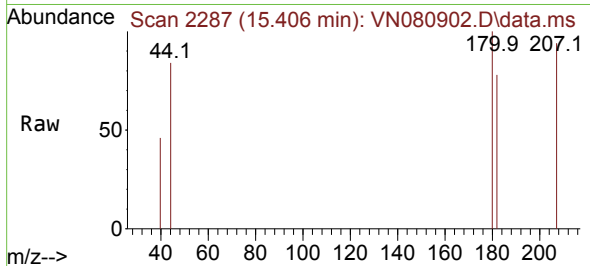
Tgt Ion: 91 Resp: 1403
Ion Ratio Lower Upper
91 100
92 38.9 26.7 80.1
134 15.1 10.8 32.4



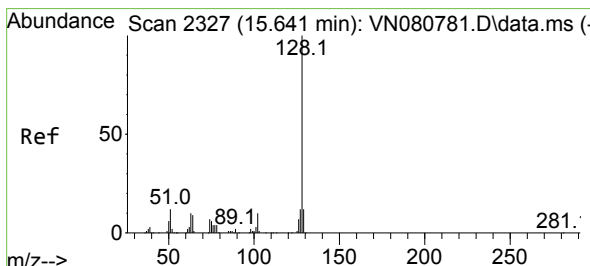
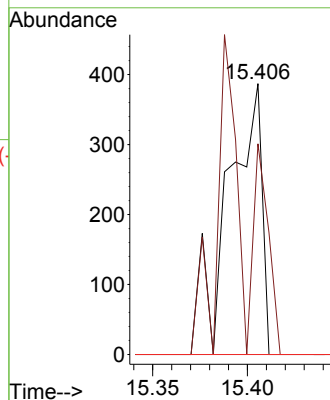
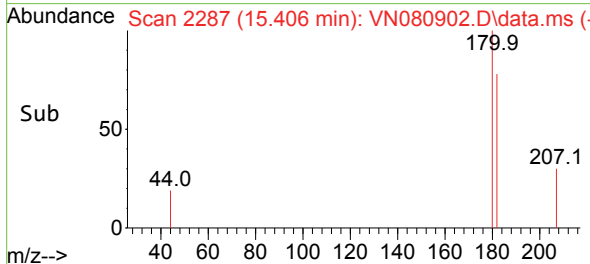


#93
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26

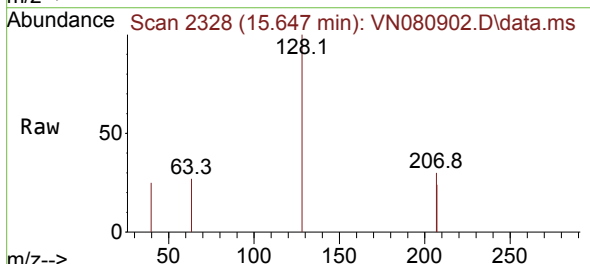
Instrument :
MSVOA_N
ClientSampleId :
T385-AOP



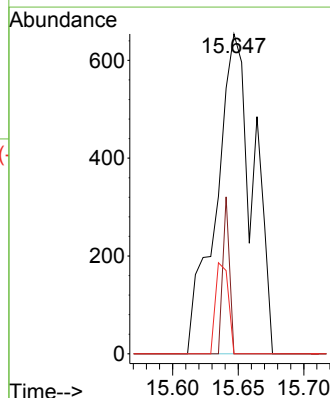
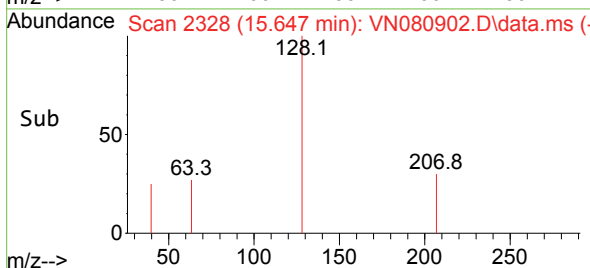
Tgt Ion:180 Resp: 481
Ion Ratio Lower Upper
180 100
182 68.4 46.6 139.7
145 0.0 16.8 50.3#

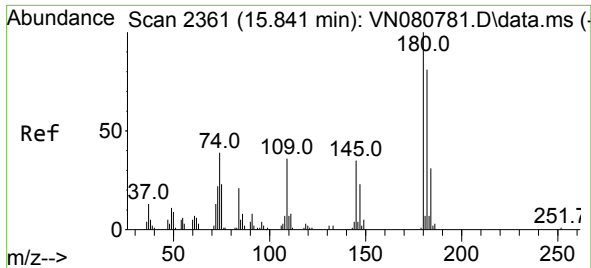


#95
Naphthalene
Concen: 0.232 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080902.D
Acq: 05 Feb 2024 17:26



Tgt Ion:128 Resp: 1286
Ion Ratio Lower Upper
128 100
127 8.8 10.0 15.0#
129 9.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.354 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN080902.D
 Acq: 05 Feb 2024 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 T385-AOP

Tgt Ion:180 Resp: 504
 Ion Ratio Lower Upper
 180 100
 182 31.7 46.5 139.3#
 145 0.0 17.8 53.4#

