

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081125.D
 Acq On : 22 Feb 2024 11:03
 Operator : JC\MD
 Sample : VN0222MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

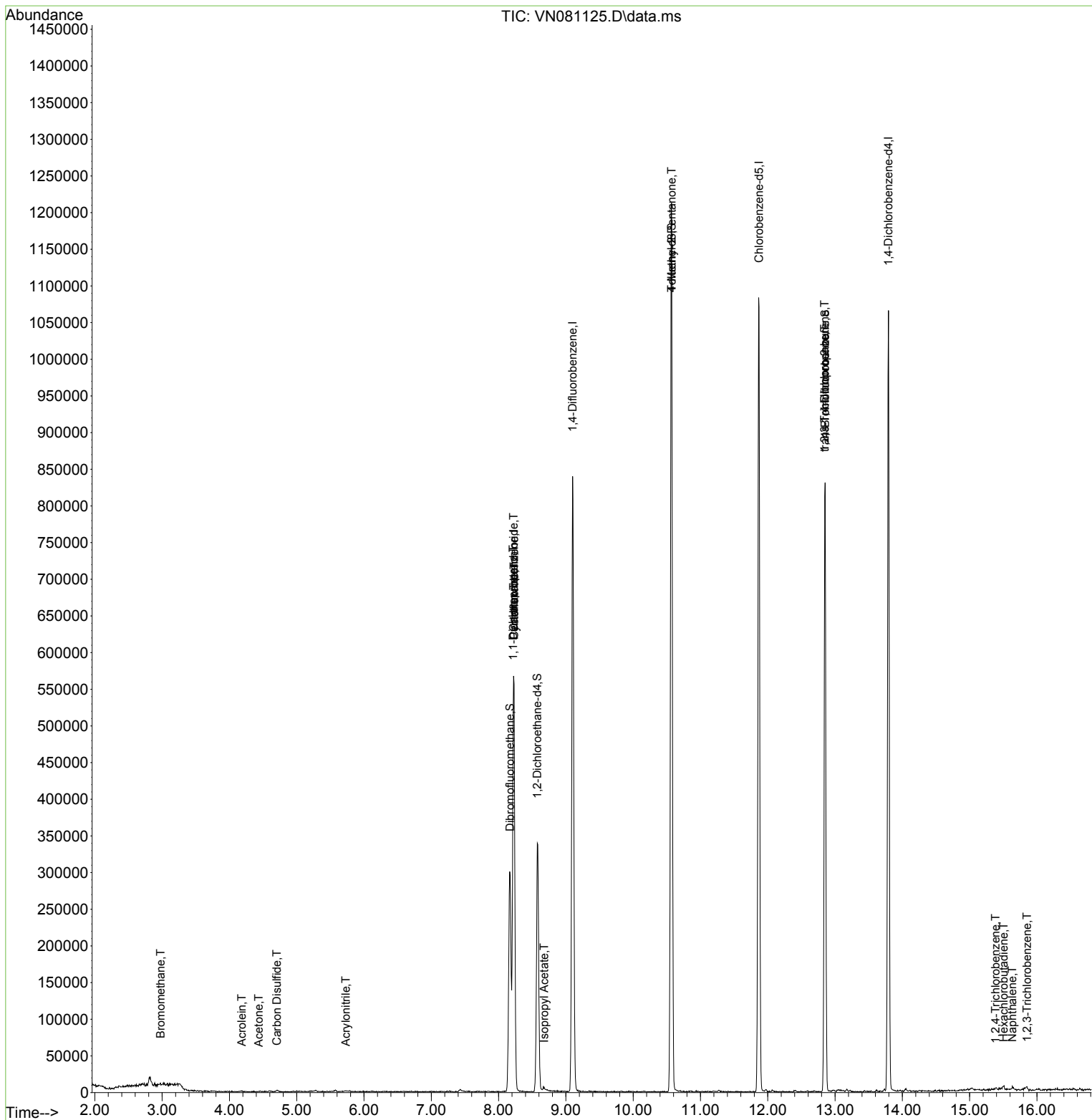
Quant Time: Feb 23 04:19:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

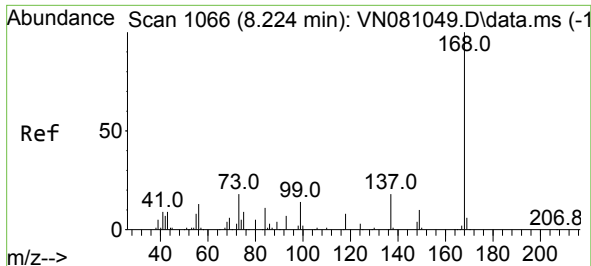
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	404367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	729781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	639510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	278211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	275563	55.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.200%			
35) Dibromofluoromethane	8.171	113	218574	52.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	10.571	98	853666	58.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 116.480%#			
62) 4-Bromofluorobenzene	12.853	95	293340	53.263	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.520%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1207	Below Cal		98
5) Bromomethane	2.977	94	1517	0.368 ug/l		98
6) Chloroethane	3.124	64	185	Below Cal #		42
13) Acrolein	4.183	56	1248	2.555 ug/l #		78
15) Acrylonitrile	5.730	53	1187	0.499 ug/l #		60
16) Acetone	4.436	43	753	0.386 ug/l #		81
17) Carbon Disulfide	4.706	76	4029	0.316 ug/l #		95
20) Methylene Chloride	5.289	84	592	Below Cal #		38
31) Cyclohexane	8.230	56	10786	1.260 ug/l #		10
36) 1,1-Dichloropropene	8.218	75	33680	4.764 ug/l #		51
38) Carbon Tetrachloride	8.224	117	46312	6.475 ug/l #		17
43) Isopropyl Acetate	8.677	43	4600	0.412 ug/l #		57
49) 1,4-Dioxane	9.682	88	54	Below Cal #		1
51) 4-Methyl-2-Pentanone	10.571	43	4451	0.693 ug/l #		1
76) 1,2,3-Trichloropropane	12.847	75	155733	24.637 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	155733	63.413 ug/l #		14
93) 1,2,4-Trichlorobenzene	15.388	180	1200	0.217 ug/l		85
94) Hexachlorobutadiene	15.506	225	582	0.283 ug/l #		49
95) Naphthalene	15.635	128	5913	0.292 ug/l #		85
96) 1,2,3-Trichlorobenzene	15.853	180	1592	0.291 ug/l #		85

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

Quant Time: Feb 23 04:19:44 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

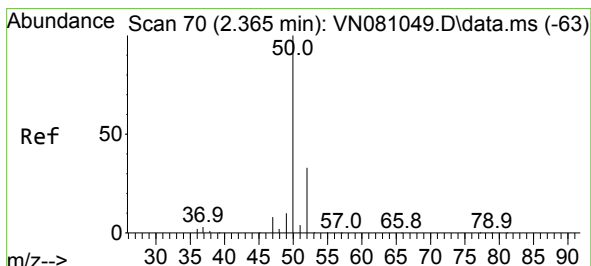
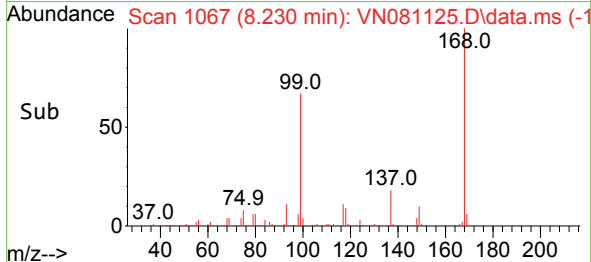
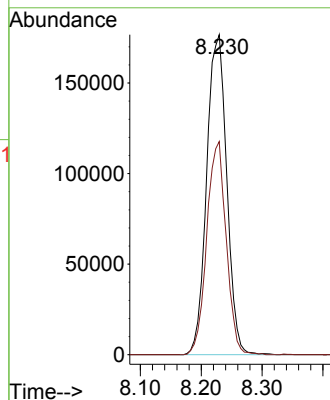
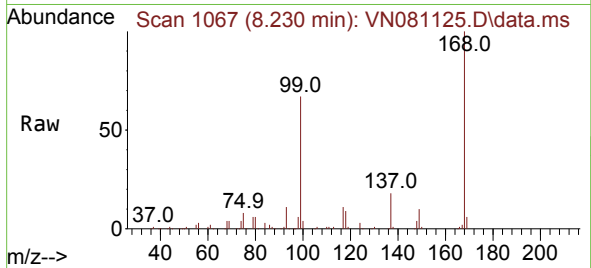




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

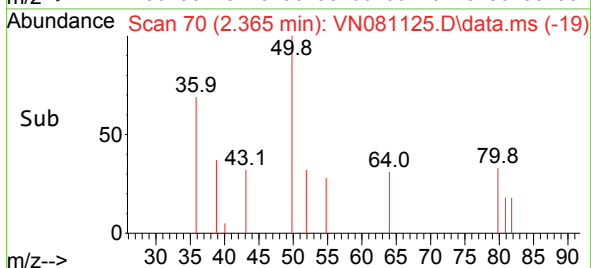
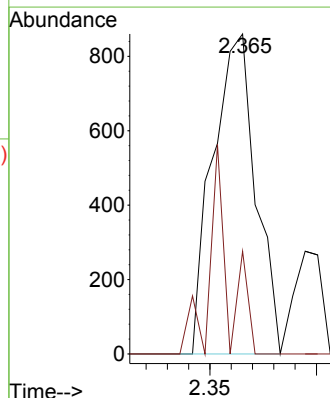
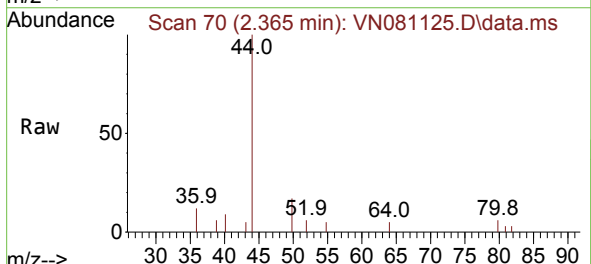
Instrument :
MSVOA_N
ClientSampleId :

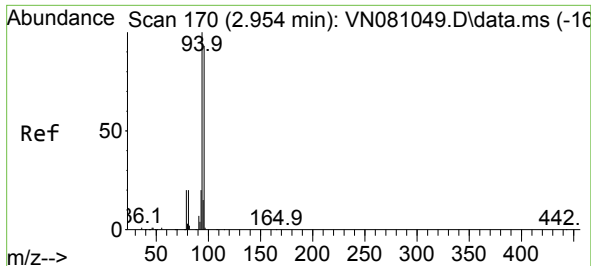
Tgt Ion:168 Resp: 404367
Ion Ratio Lower Upper
168 100
99 66.6 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

Tgt Ion: 50 Resp: 1207
Ion Ratio Lower Upper
50 100
52 32.1 25.0 37.4

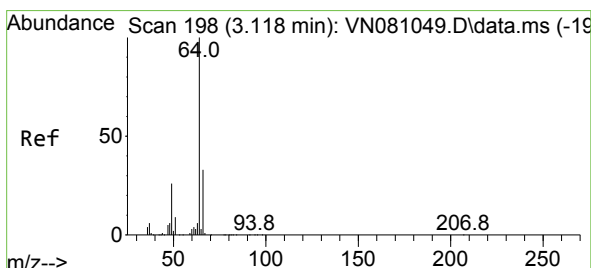
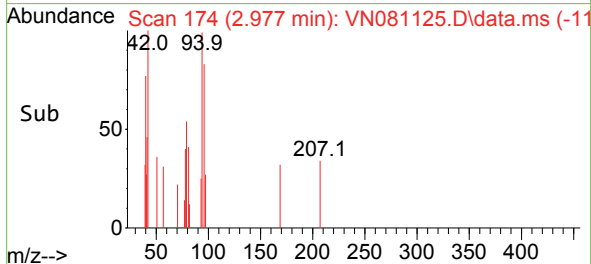
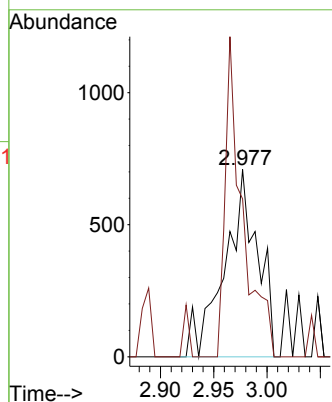
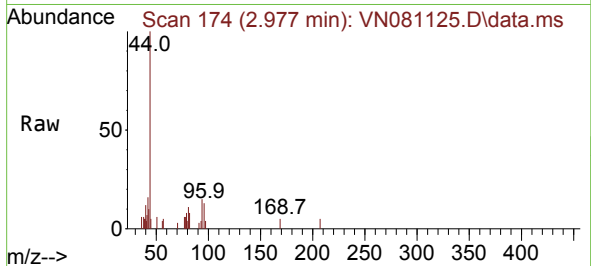




#5
Bromomethane
Concen: 0.368 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

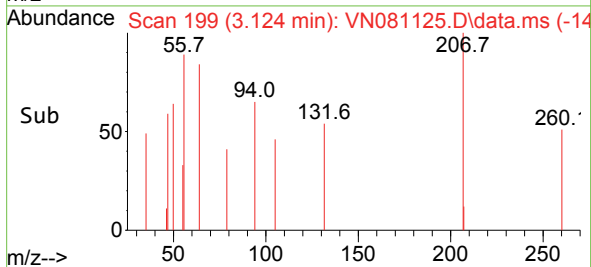
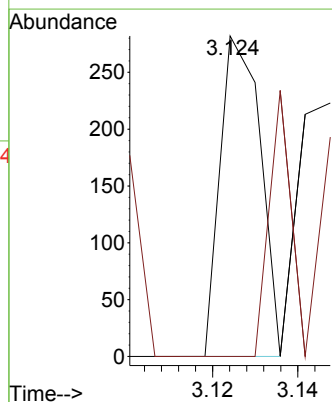
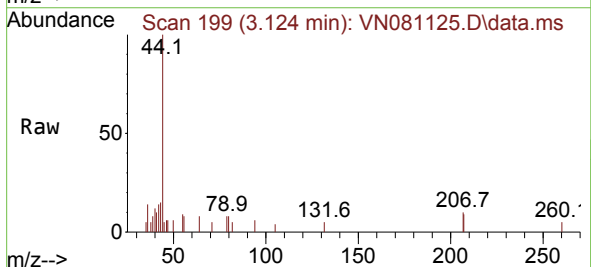
Instrument :
MSVOA_N
ClientSampleId :

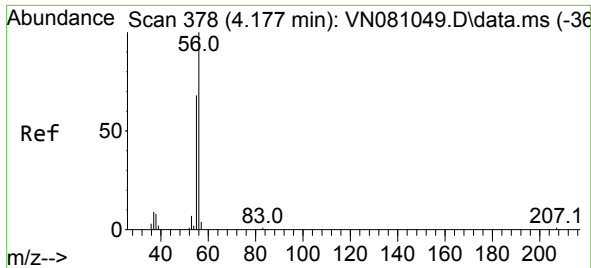
Tgt Ion: 94 Resp: 1517
Ion Ratio Lower Upper
94 100
96 84.3 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#13

Acrolein

Concen: 2.555 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

Instrument :

MSVOA_N

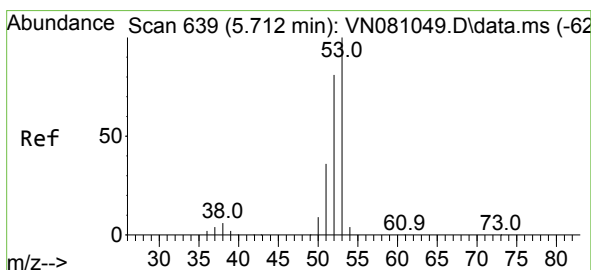
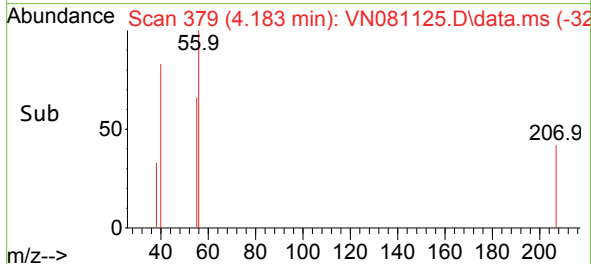
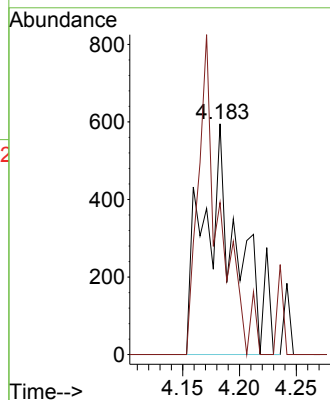
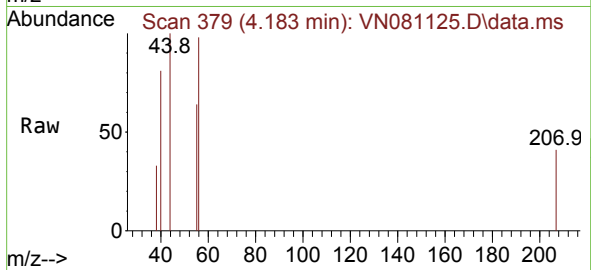
ClientSampleId :

Tgt Ion: 56 Resp: 1248

Ion Ratio Lower Upper

56 100

55 87.0 55.3 82.9#



#15

Acrylonitrile

Concen: 0.499 ug/l

RT: 5.730 min Scan# 642

Delta R.T. 0.018 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

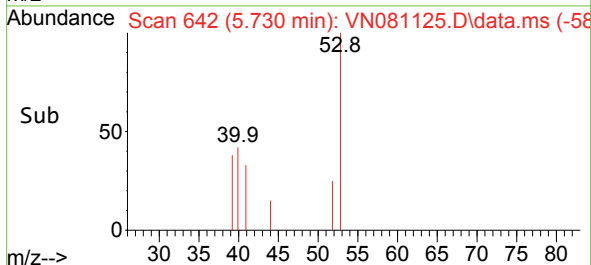
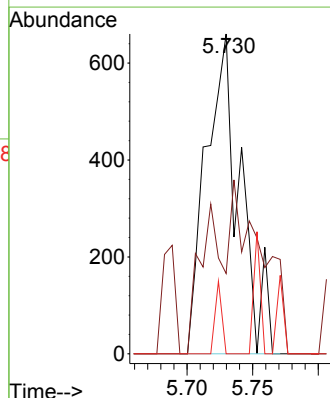
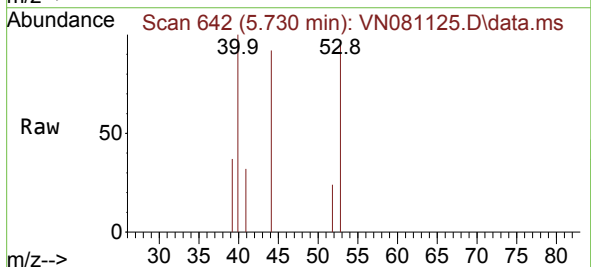
Tgt Ion: 53 Resp: 1187

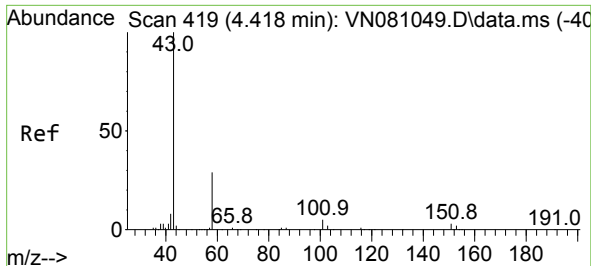
Ion Ratio Lower Upper

53 100

52 49.2 64.8 97.2#

51 4.5 26.9 40.3#

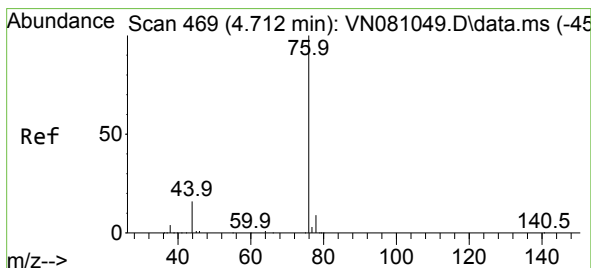
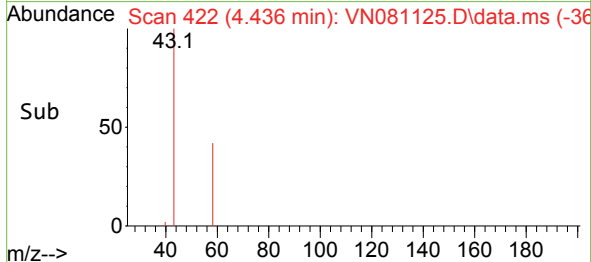
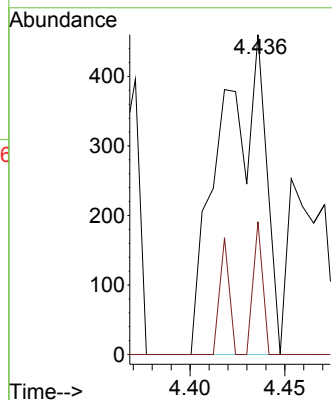
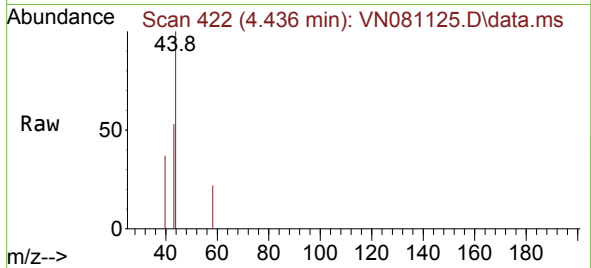




#16
Acetone
Concen: 0.386 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

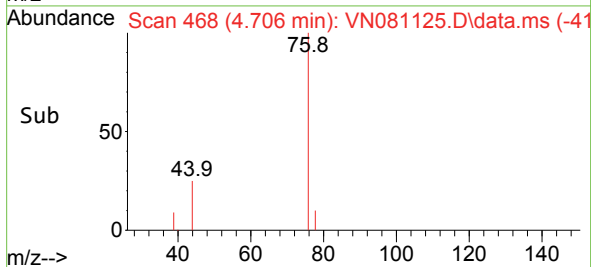
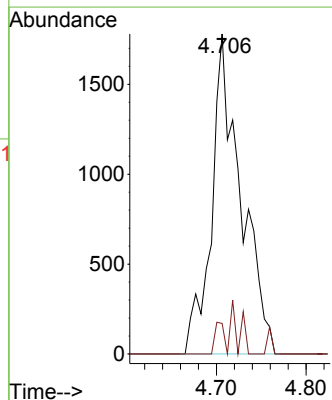
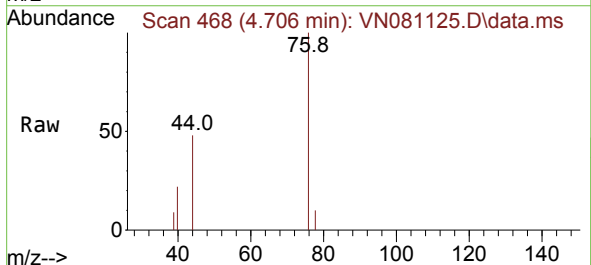
Instrument :
MSVOA_N
ClientSampleId :

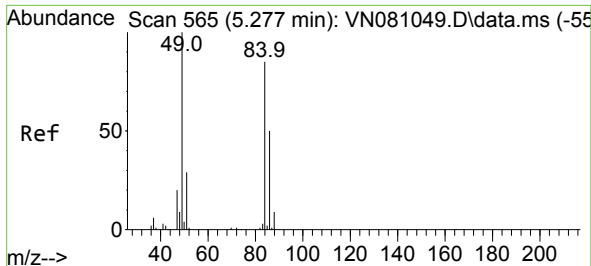
Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 41.5 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

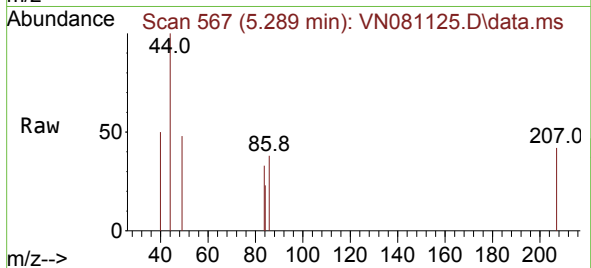
Tgt Ion: 76 Resp: 4029
Ion Ratio Lower Upper
76 100
78 9.6 6.3 9.5#



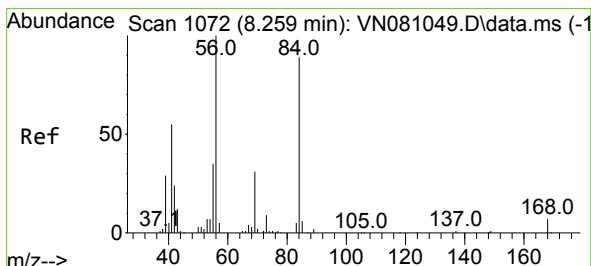
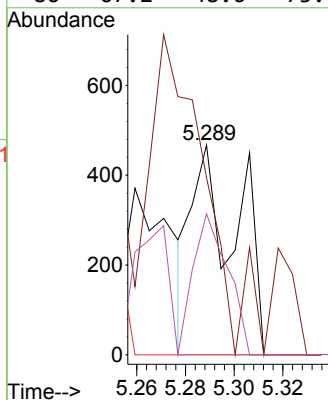
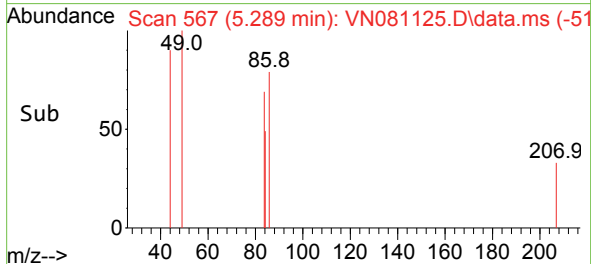


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

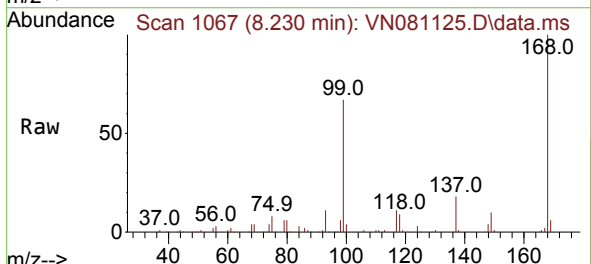
Instrument :
MSVOA_N
ClientSampleId :



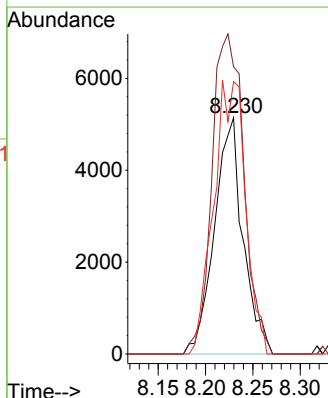
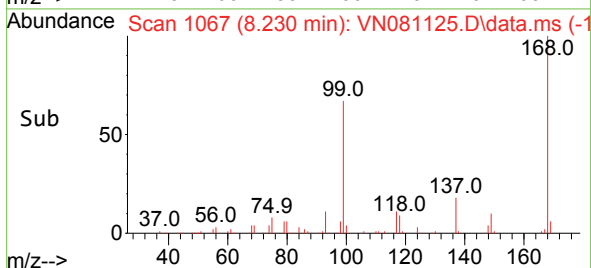
Tgt Ion: 84 Resp: 592
Ion Ratio Lower Upper
84 100
49 33.6 108.1 162.1#
51 0.0 32.9 49.3#
86 67.2 48.6 73.0

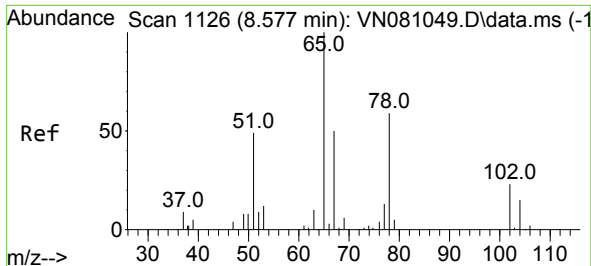


#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03



Tgt Ion: 56 Resp: 10786
Ion Ratio Lower Upper
56 100
69 121.6 20.1 30.1#
84 115.3 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.597 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

Instrument :

MSVOA_N

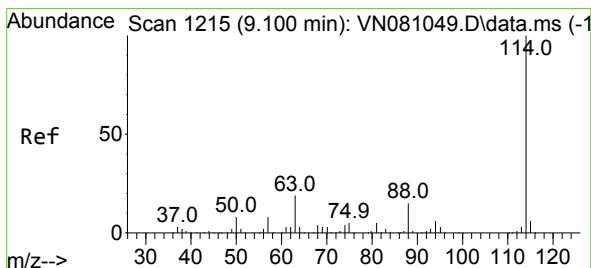
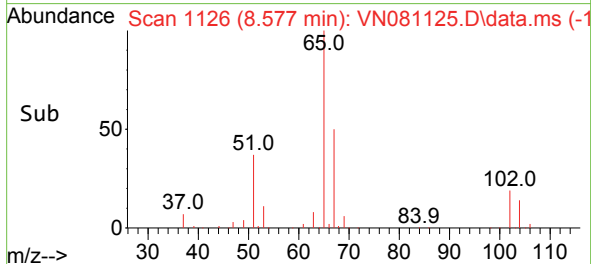
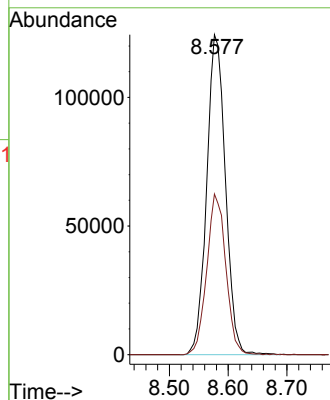
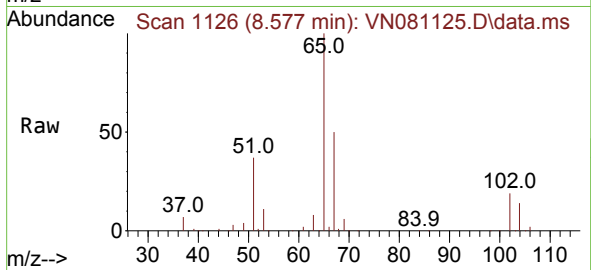
ClientSampleId :

Tgt Ion: 65 Resp: 275563

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

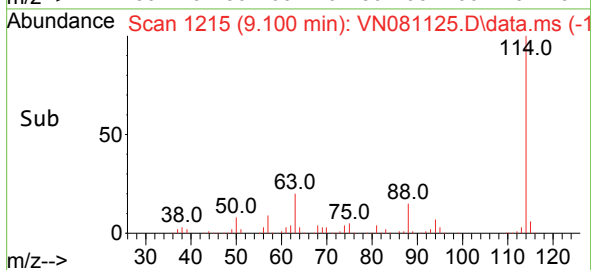
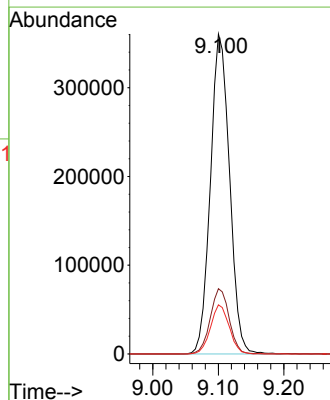
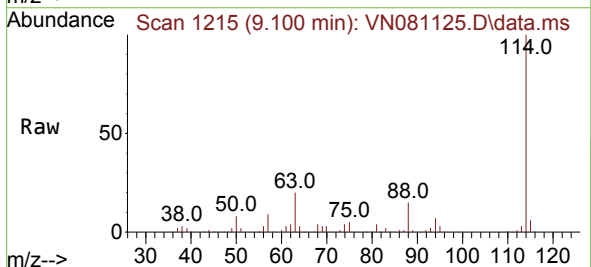
Tgt Ion: 114 Resp: 729781

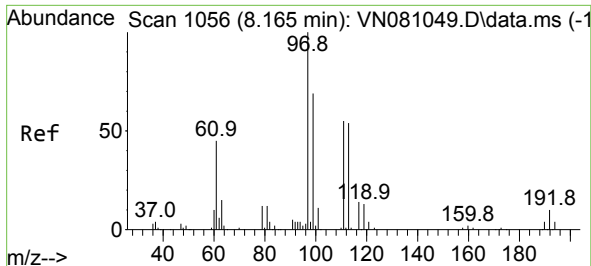
Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.966 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

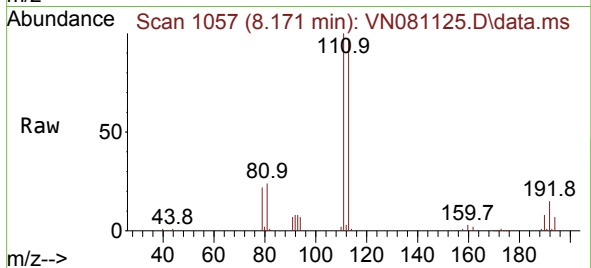
Lab File: VN081125.D

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MSVOA_N

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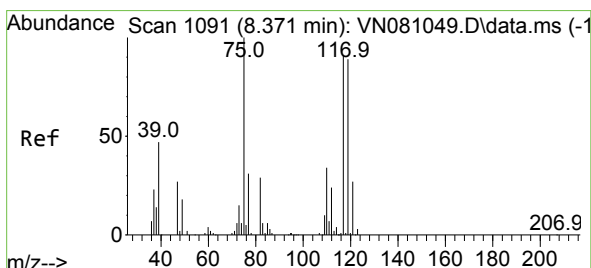
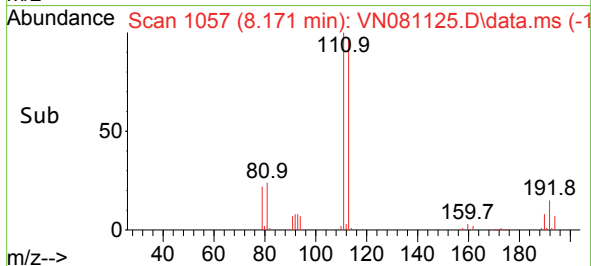
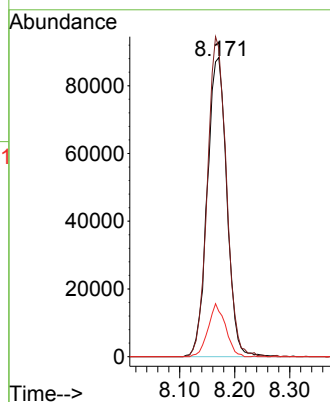
Tgt Ion:113 Resp: 218574

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 15.7 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.764 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

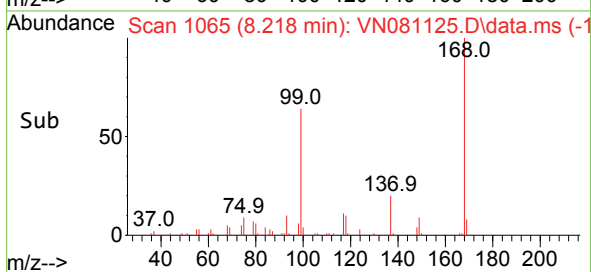
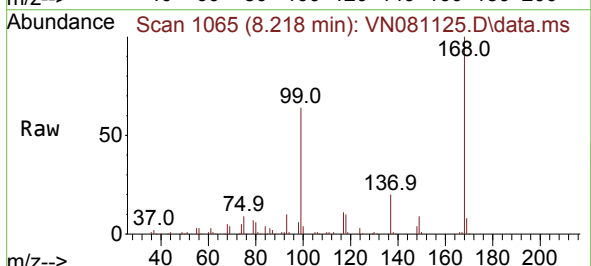
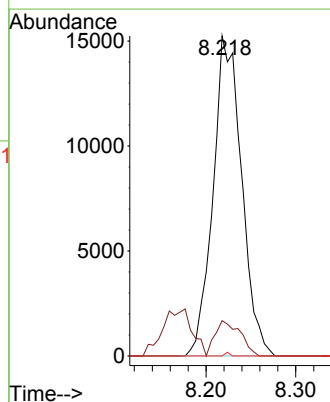
Tgt Ion: 75 Resp: 33680

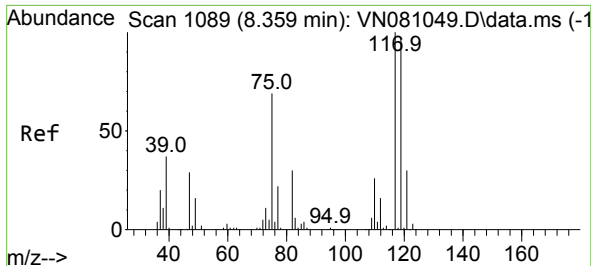
Ion Ratio Lower Upper

75 100

110 9.7 16.0 48.0#

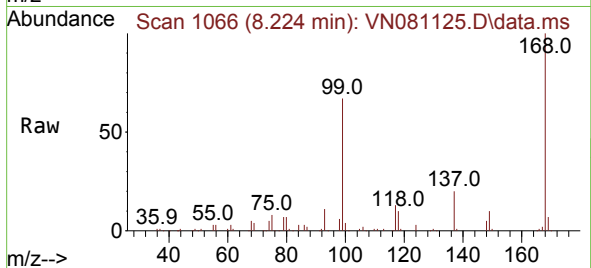
77 0.2 25.8 38.6#



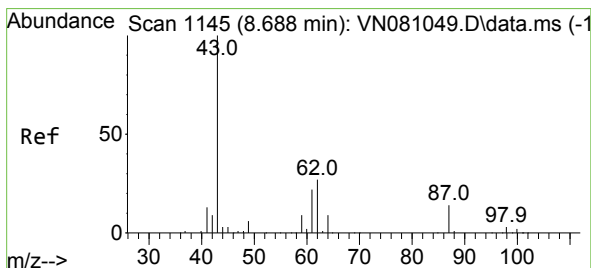
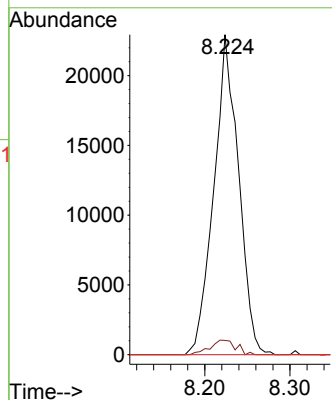
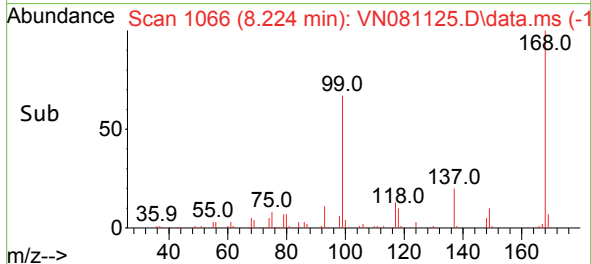


#38
Carbon Tetrachloride
Concen: 6.475 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

Instrument :
MSVOA_N
ClientSampleId :

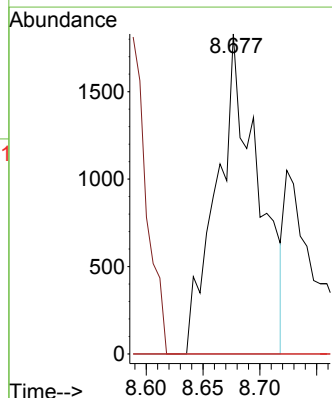
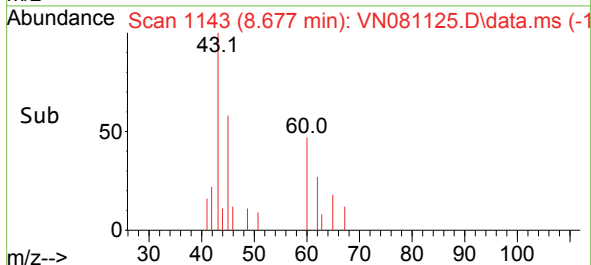
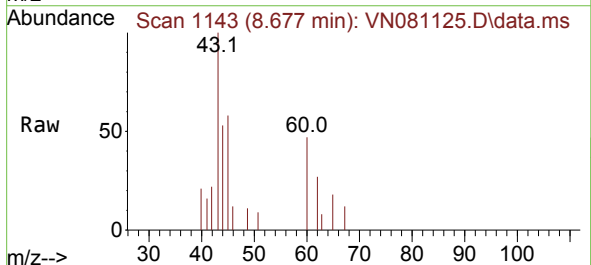


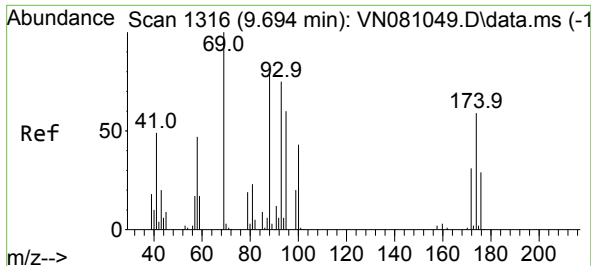
Tgt Ion:117 Resp: 46312
Ion Ratio Lower Upper
117 100
119 4.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.412 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

Tgt Ion: 43 Resp: 4600
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.682 min Scan# 11

Delta R.T. -0.012 min

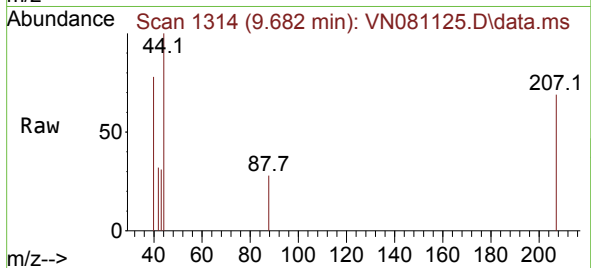
Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

Instrument :

MSVOA_N

ClientSampleId :



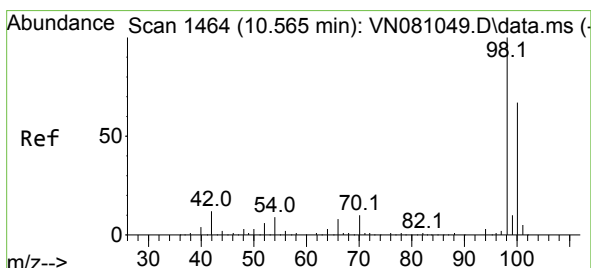
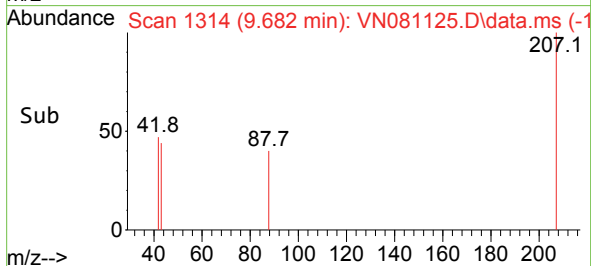
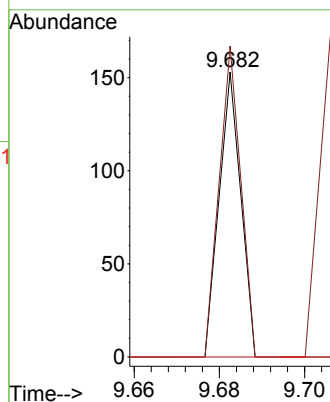
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 109.3 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 58.243 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081125.D

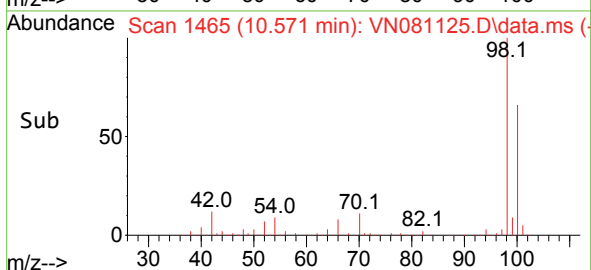
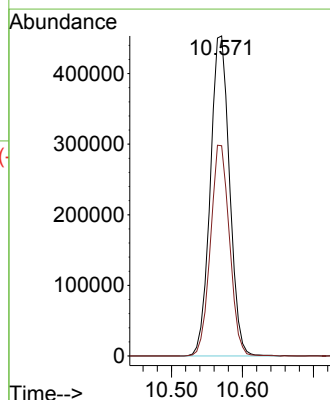
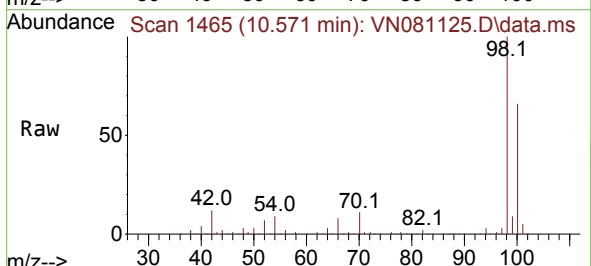
Acq: 22 Feb 2024 11:03

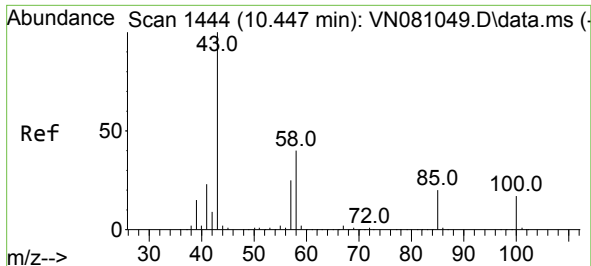
Tgt Ion: 98 Resp: 853666

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0

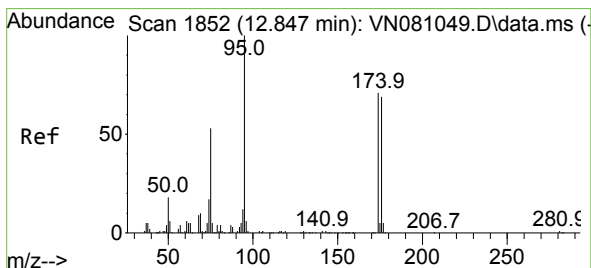
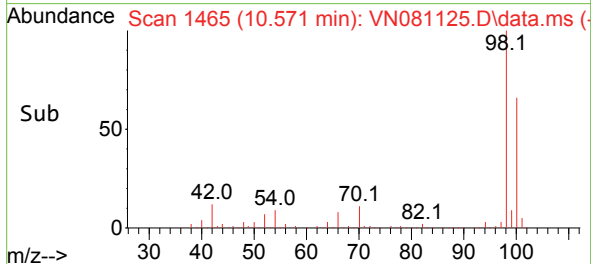
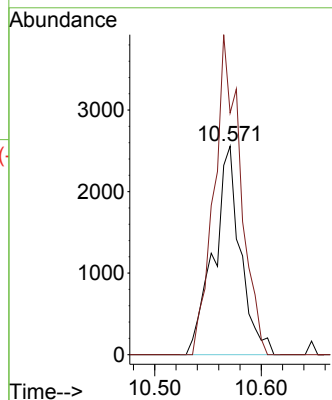
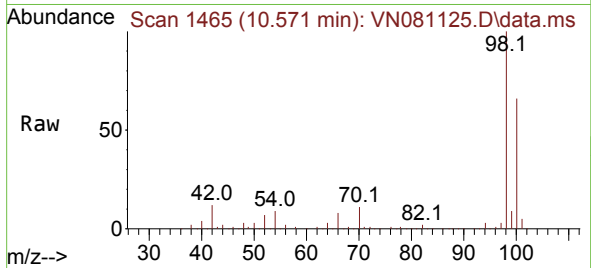




#51
4-Methyl-2-Pentanone
Concen: 0.693 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

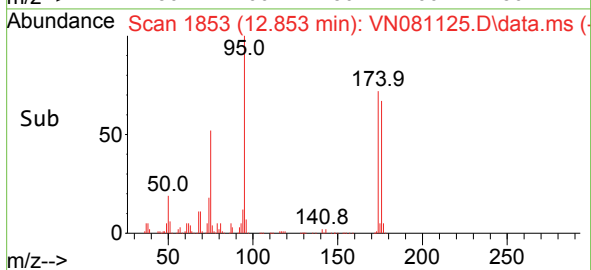
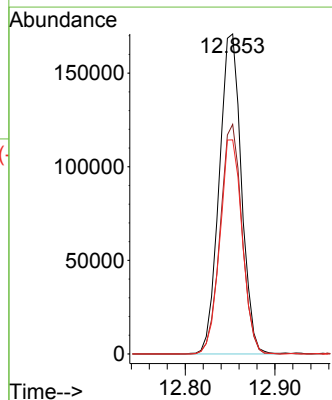
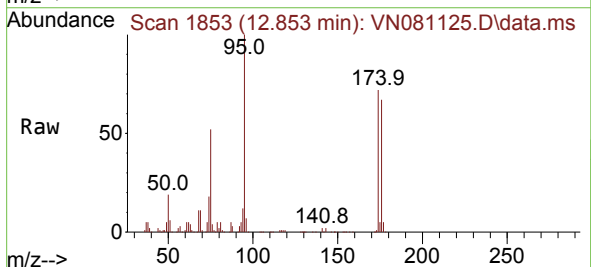
Instrument :
MSVOA_N
ClientSampleId :

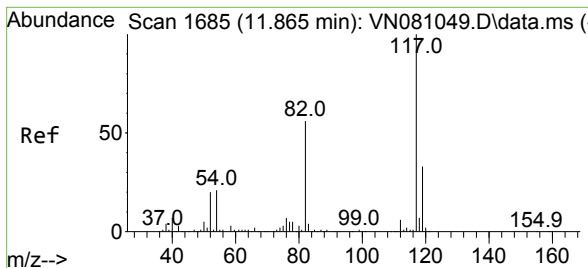
Tgt Ion: 43 Resp: 4451
Ion Ratio Lower Upper
43 100
58 152.0 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 53.263 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

Tgt Ion: 95 Resp: 293340
Ion Ratio Lower Upper
95 100
174 70.3 0.0 120.4
176 67.5 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

Instrument :

MSVOA_N

ClientSampleId :

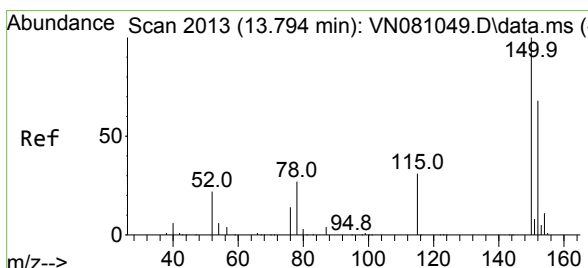
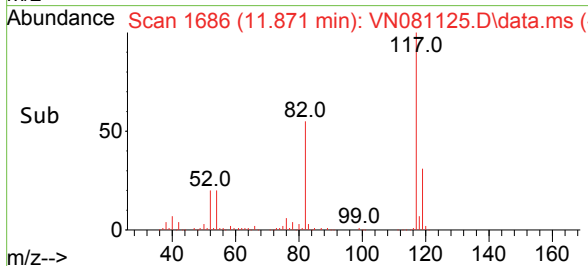
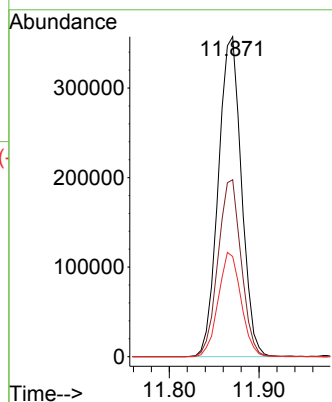
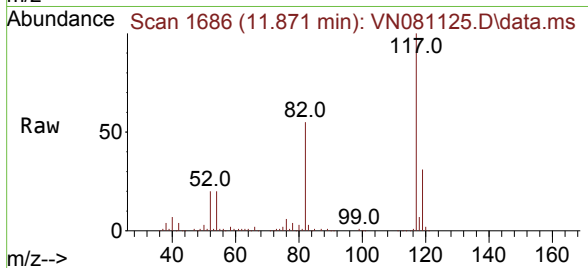
Tgt Ion:117 Resp: 639510

Ion Ratio Lower Upper

117 100

82 55.3 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: VN081125.D

Acq: 22 Feb 2024 11:03

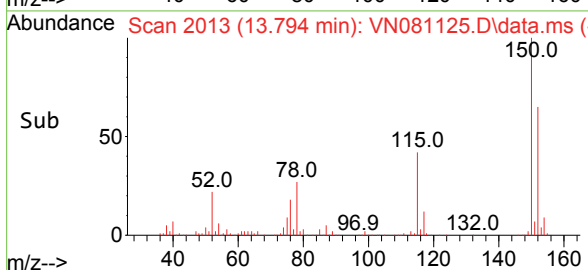
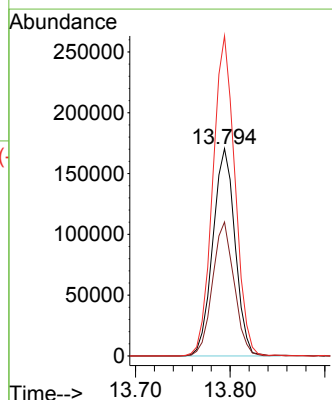
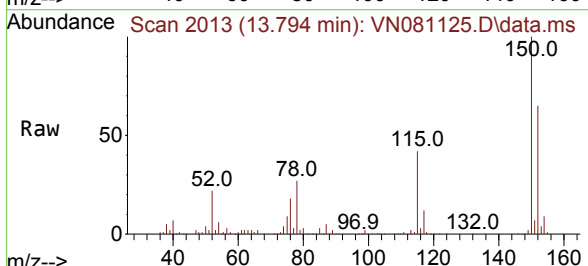
Tgt Ion:152 Resp: 278211

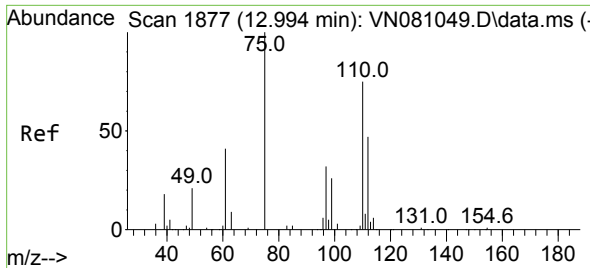
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 153.9 0.0 339.8

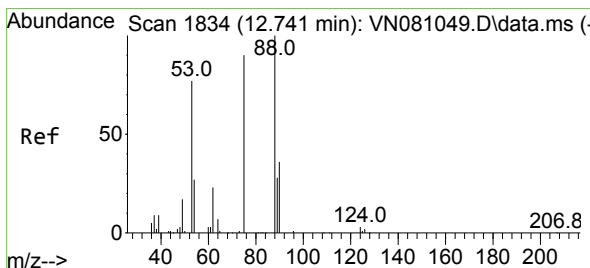
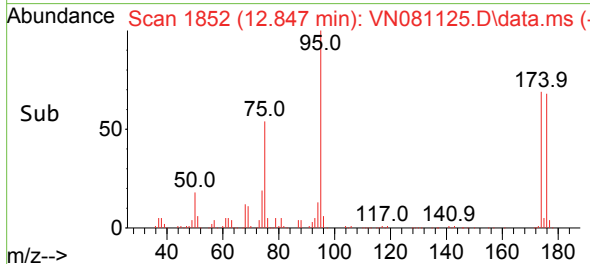
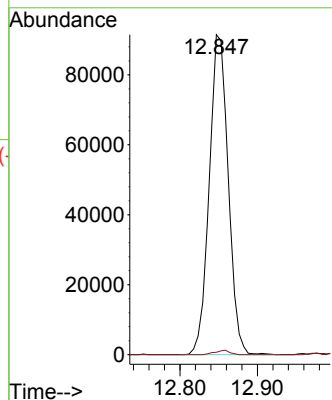
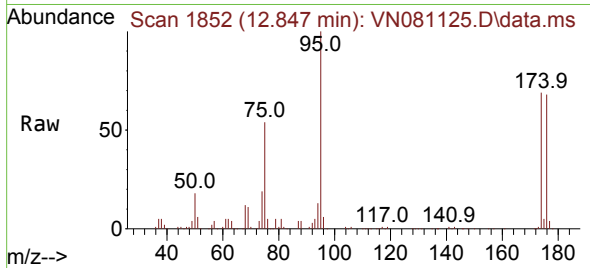




#76
1,2,3-Trichloropropane
Concen: 24.637 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

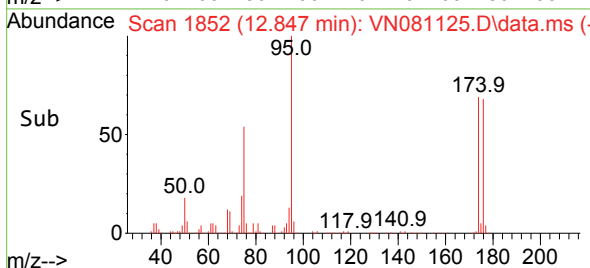
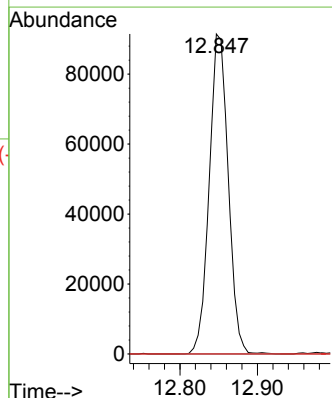
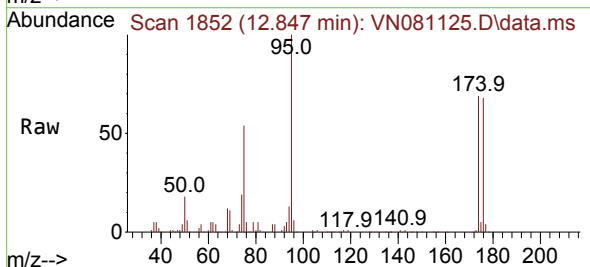
Instrument :
MSVOA_N
ClientSampleId :

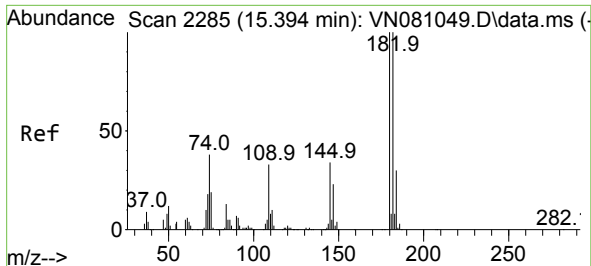
Tgt Ion: 75 Resp: 155733
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.413 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081125.D
Acq: 22 Feb 2024 11:03

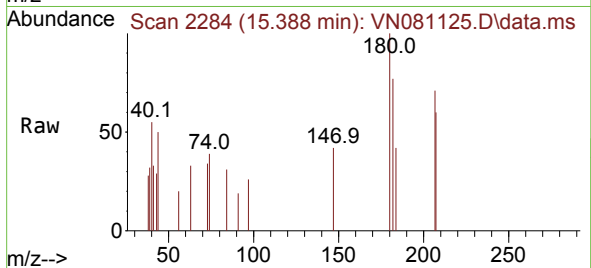
Tgt Ion: 75 Resp: 155733
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



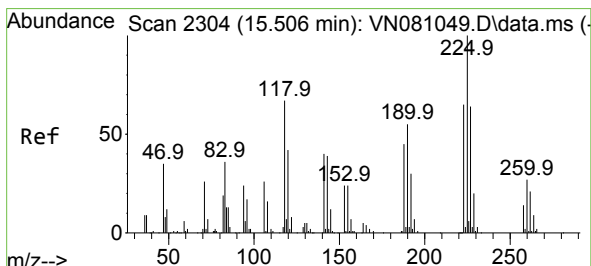
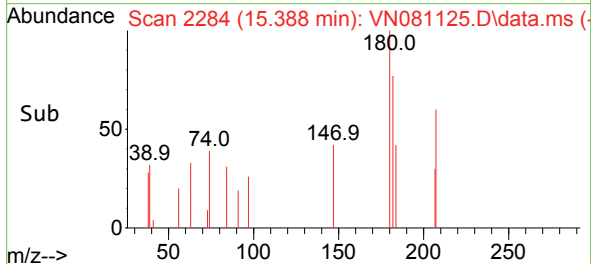
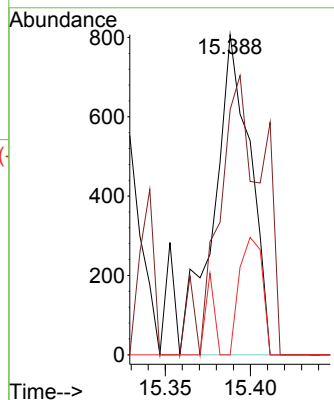


#93
 1,2,4-Trichlorobenzene
 Concen: 0.217 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081125.D
 Acq: 22 Feb 2024 11:03

Instrument :
 MSVOA_N
 ClientSampleId :

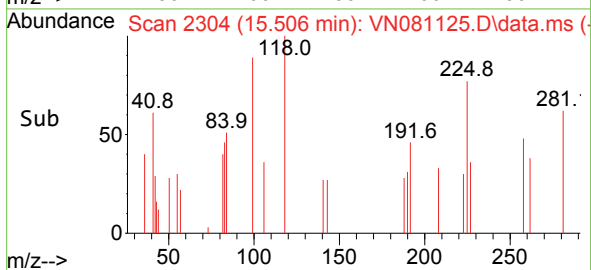
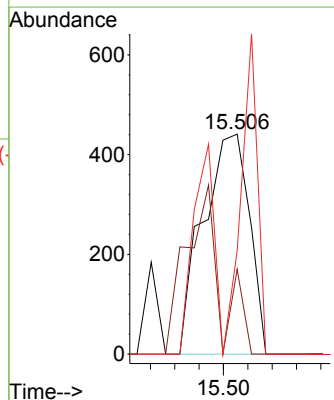
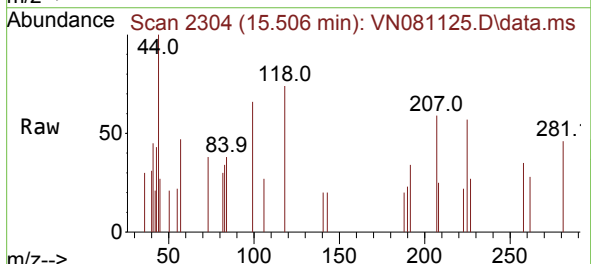


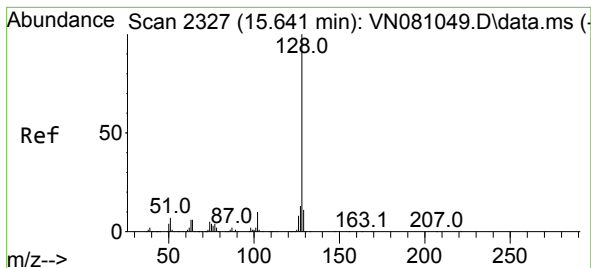
Tgt Ion:180 Resp: 1200
 Ion Ratio Lower Upper
 180 100
 182 105.8 46.6 139.7
 145 23.0 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 0.283 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. -0.000 min
 Lab File: VN081125.D
 Acq: 22 Feb 2024 11:03

Tgt Ion:225 Resp: 582
 Ion Ratio Lower Upper
 225 100
 223 0.0 33.3 99.8#
 227 51.5 33.1 99.2





#95

Naphthalene

Concen: 0.292 ug/l

RT: 15.635 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN081125.D

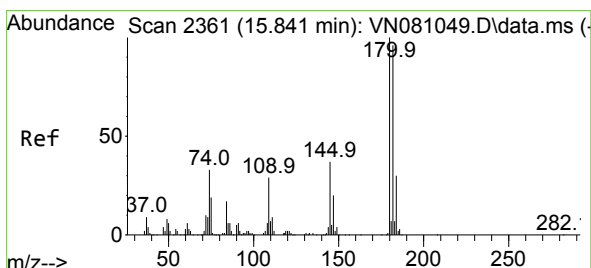
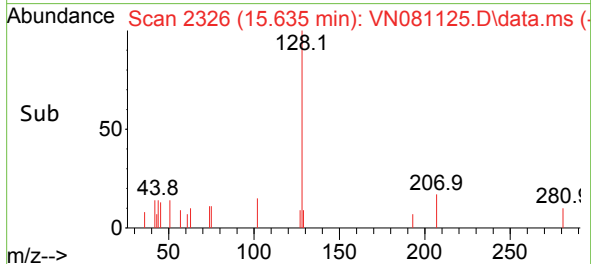
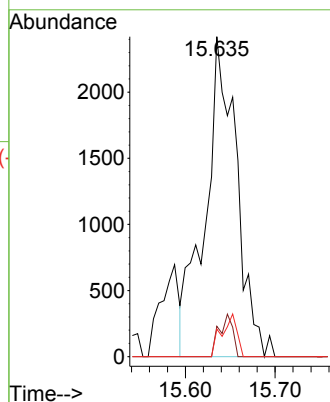
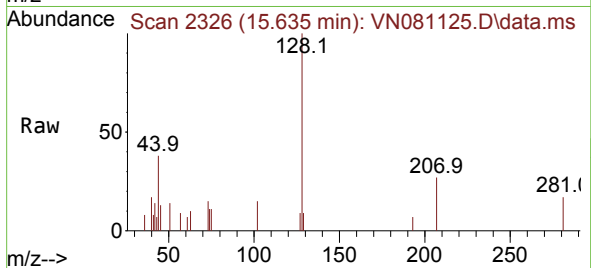
Acq: 22 Feb 2024 11:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	5913
Ion Ratio	Lower	Upper
128	100	
127	5.6	10.0 15.0#
129	6.4	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.291 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN081125.D

Acq: 22 Feb 2024 11:03

Tgt Ion:180	Resp:	1592
Ion Ratio	Lower	Upper
180	100	
182	99.9	46.5 139.3
145	15.0	17.8 53.4#

