

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081027.D
 Acq On : 14 Feb 2024 15:58
 Operator : JC\MD
 Sample : VN0214WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 08:01:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

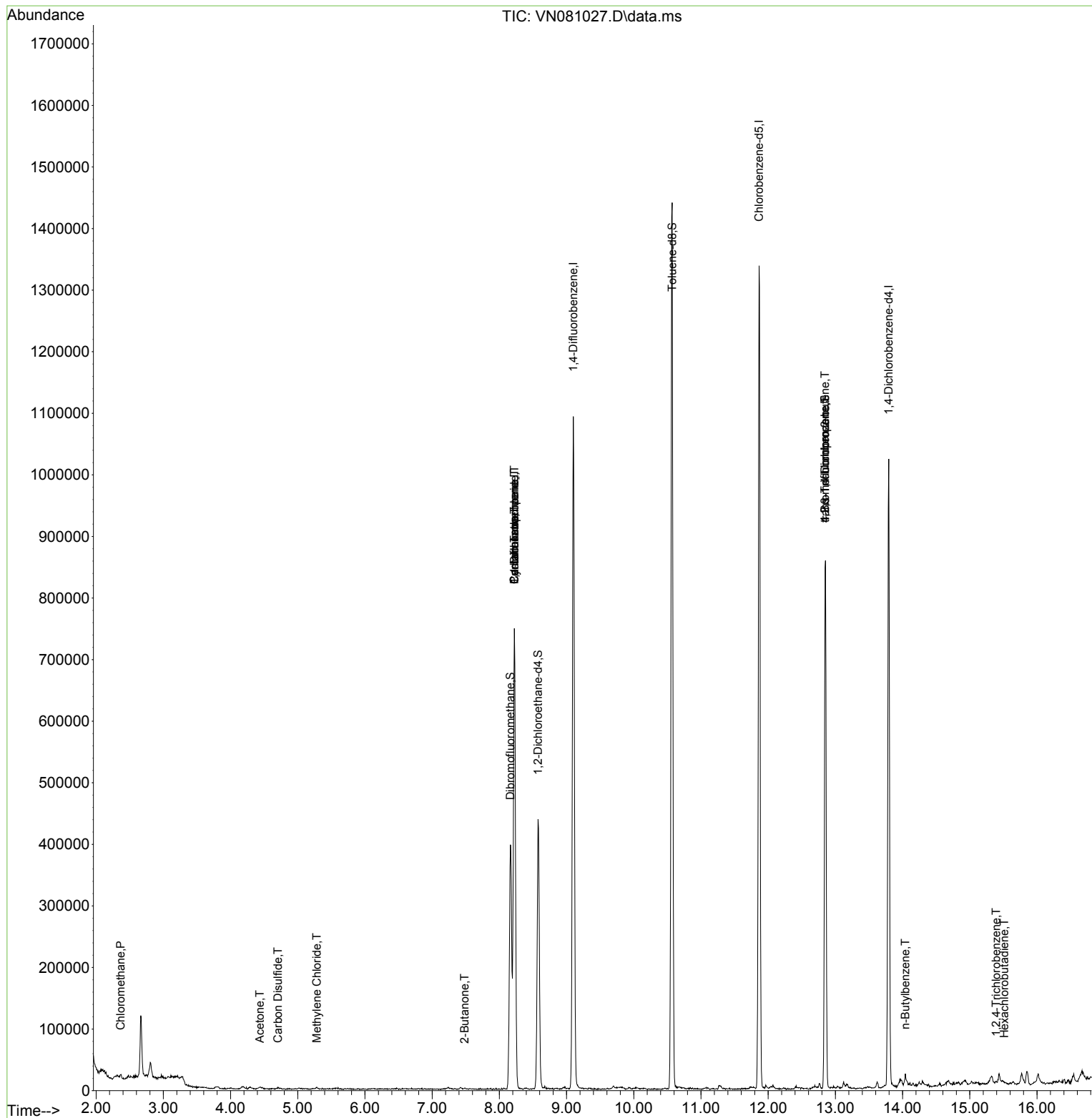
Internal Standards						
1) Pentafluorobenzene	8.224	168	526971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	947821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	767142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	348081	53.701	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.400%		
35) Dibromofluoromethane	8.165	113	288279	53.047	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.100%		
50) Toluene-d8	10.571	98	993280	51.826	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.660%		
62) 4-Bromofluorobenzene	12.847	95	307465	47.170	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	9200	0.934	ug/l	94
13) Acrolein	4.177	56	2184	Below Cal	#	15
16) Acetone	4.436	43	3074	1.211	ug/l #	85
17) Carbon Disulfide	4.706	76	3495	0.210	ug/l #	85
20) Methylene Chloride	5.283	84	1404	0.212	ug/l #	47
25) 2-Butanone	7.483	43	1465	0.356	ug/l #	70
31) Cyclohexane	8.224	56	14071	1.250	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	45043	4.968	ug/l #	52
38) Carbon Tetrachloride	8.224	117	55736	8.398	ug/l #	19
49) 1,4-Dioxane	9.700	88	4857	Below Cal	#	72
76) 1,2,3-Trichloropropane	12.847	75	163787	28.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	163787	65.446	ug/l #	14
89) n-Butylbenzene	14.041	91	6050	0.339	ug/l #	33
90) Hexachloroethane	14.347	117	1457	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	84	Below Cal	#	13
93) 1,2,4-Trichlorobenzene	15.394	180	1300	0.244	ug/l #	61
94) Hexachlorobutadiene	15.512	225	588	0.267	ug/l #	42

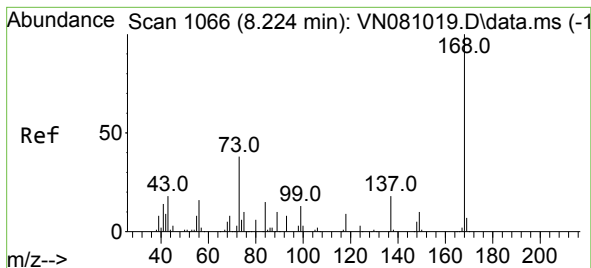
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 07:59:19 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

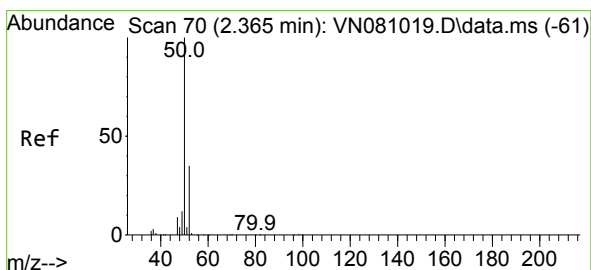
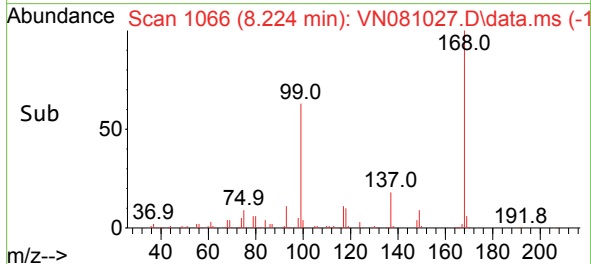
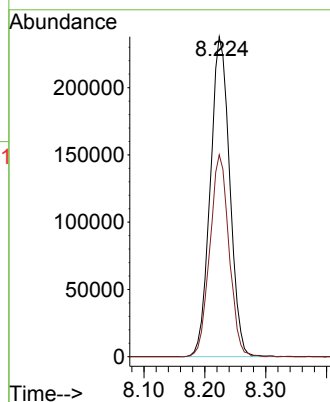
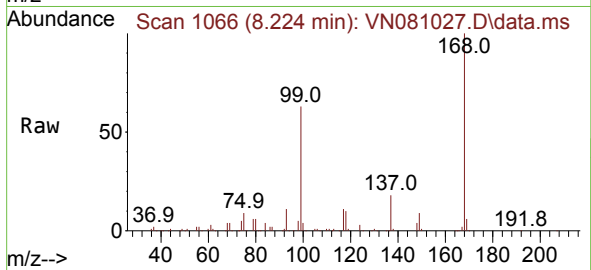
ClientSampleId :

Tgt Ion:168 Resp: 526971

Ion Ratio Lower Upper

168 100

99 63.1 59.9 89.9



#3

Chloromethane

Concen: 0.934 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081027.D

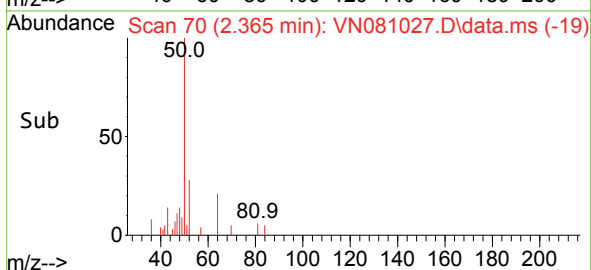
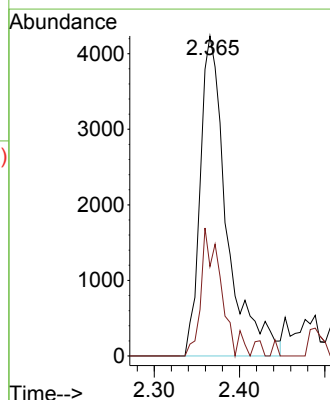
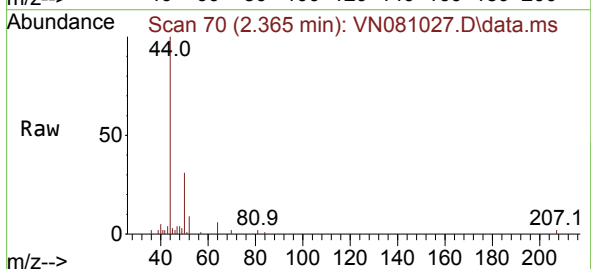
Acq: 14 Feb 2024 15:58

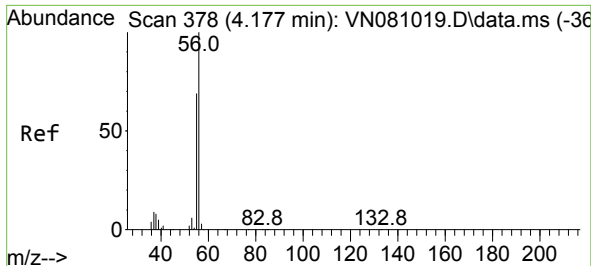
Tgt Ion: 50 Resp: 9200

Ion Ratio Lower Upper

50 100

52 28.0 25.0 37.4





#13

Acrolein

Concen: Below Cal

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

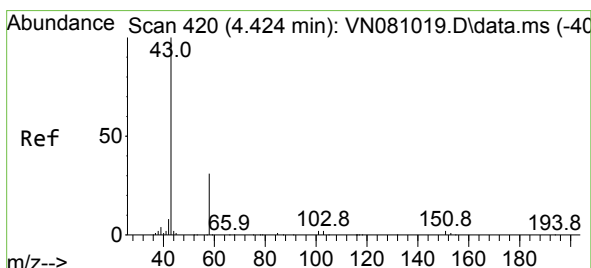
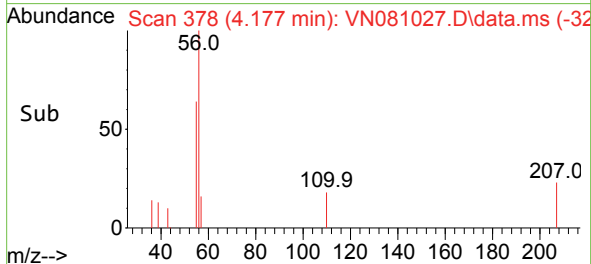
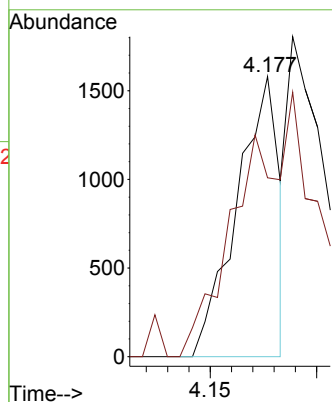
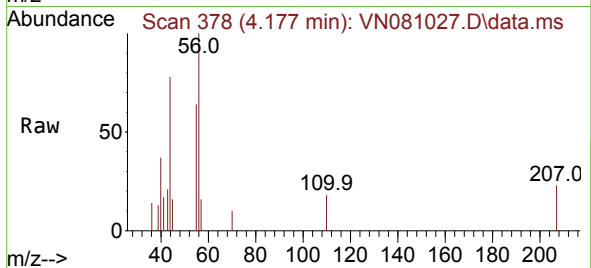
ClientSampleId :

Tgt Ion: 56 Resp: 2184

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 1.211 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081027.D

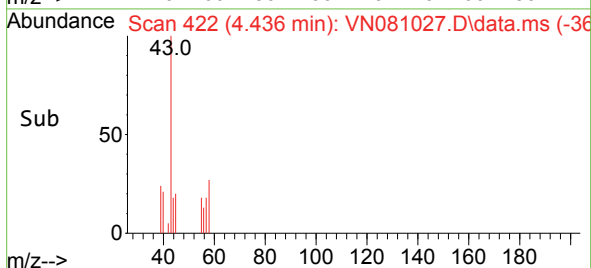
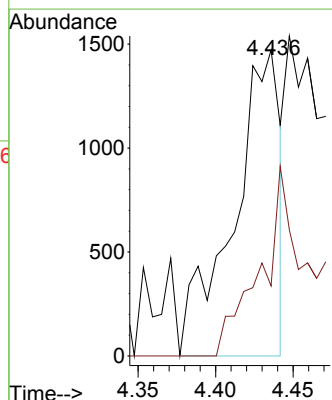
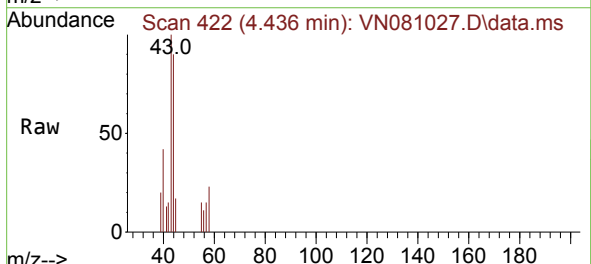
Acq: 14 Feb 2024 15:58

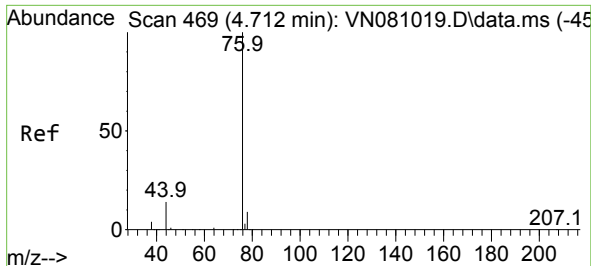
Tgt Ion: 43 Resp: 3074

Ion Ratio Lower Upper

43 100

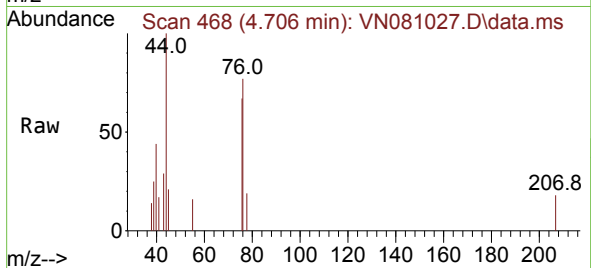
58 22.9 24.8 37.2#



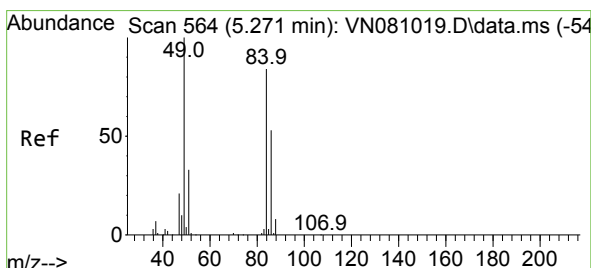
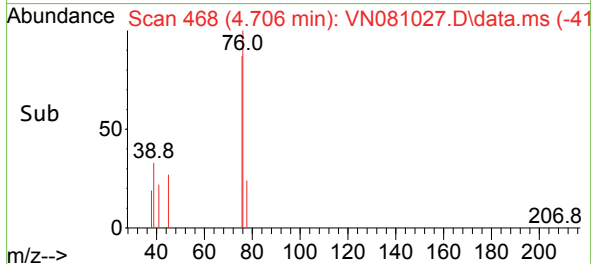
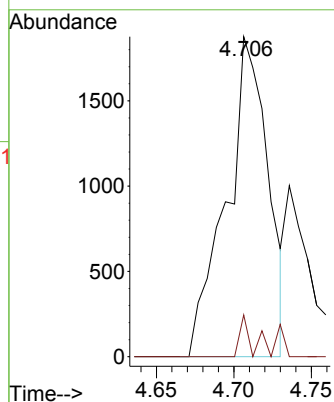


#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :

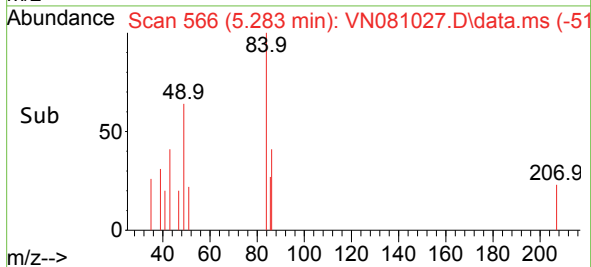
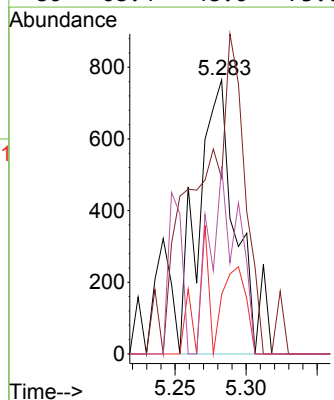
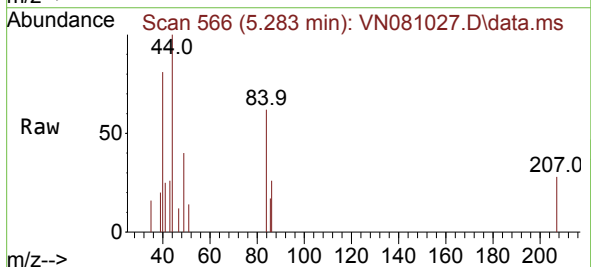


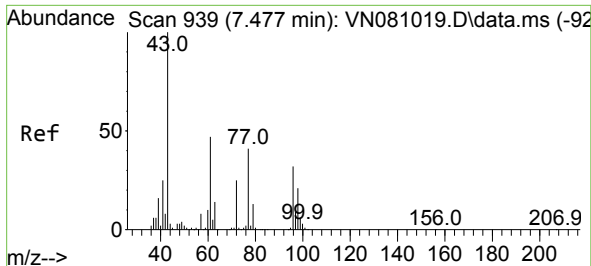
Tgt Ion: 76 Resp: 3495
Ion Ratio Lower Upper
76 100
78 13.1 6.3 9.5#



#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

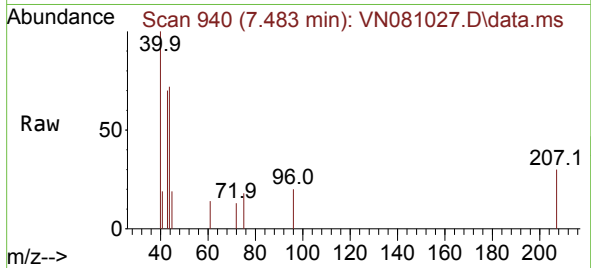
Tgt Ion: 84 Resp: 1404
Ion Ratio Lower Upper
84 100
49 41.3 108.1 162.1#
51 21.7 32.9 49.3#
86 68.4 48.6 73.0



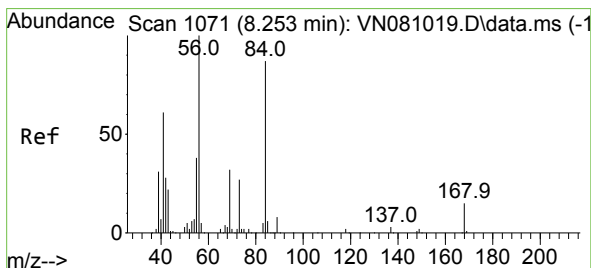
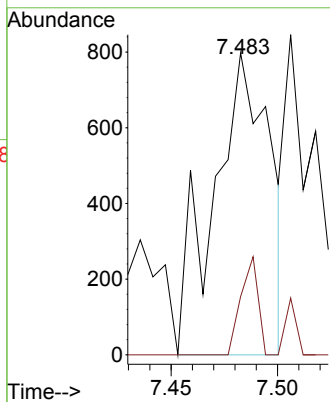
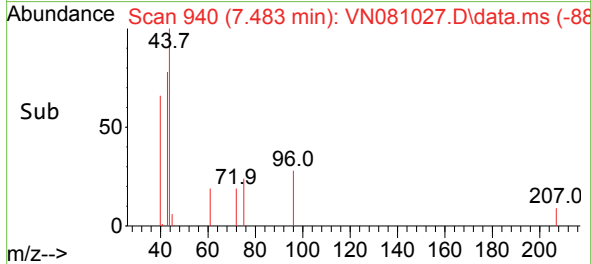


#25
2-Butanone
Concen: 0.356 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

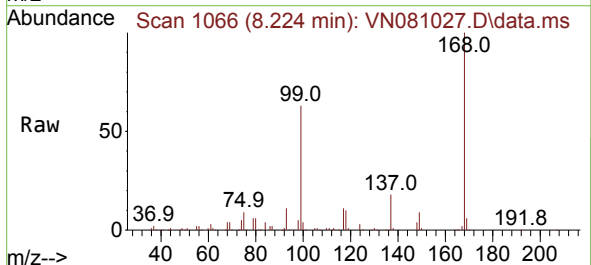
Instrument :
MSVOA_N
ClientSampleId :



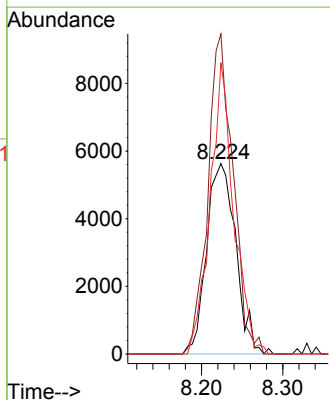
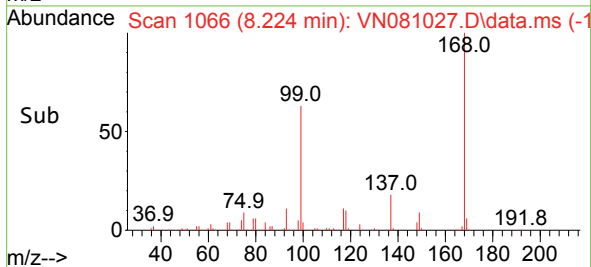
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
72 9.5 19.5 29.3#

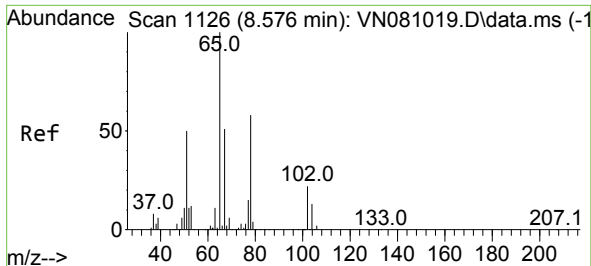


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58



Tgt Ion: 56 Resp: 14071
Ion Ratio Lower Upper
56 100
69 168.1 20.1 30.1#
84 152.9 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 53.701 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

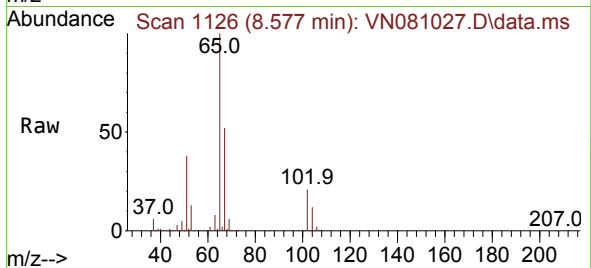
Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :

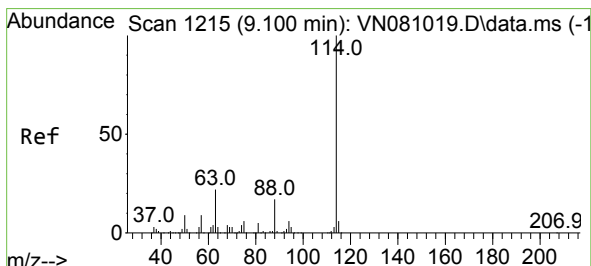
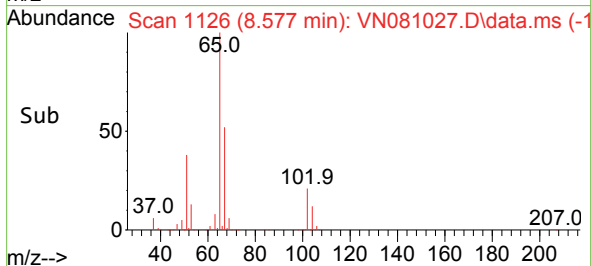
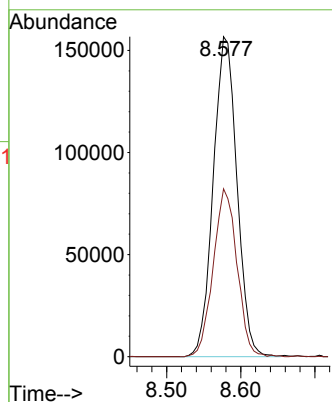


Tgt Ion: 65 Resp: 348081

Ion Ratio Lower Upper

65 100

67 52.6 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: VN081027.D

Acq: 14 Feb 2024 15:58

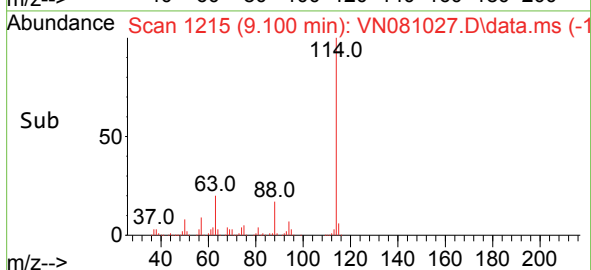
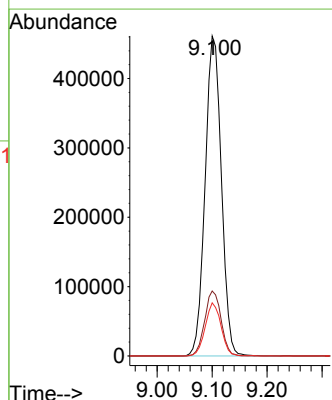
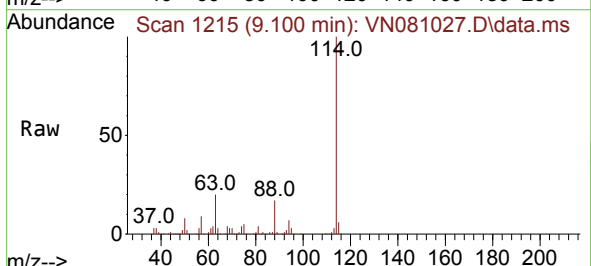
Tgt Ion: 114 Resp: 947821

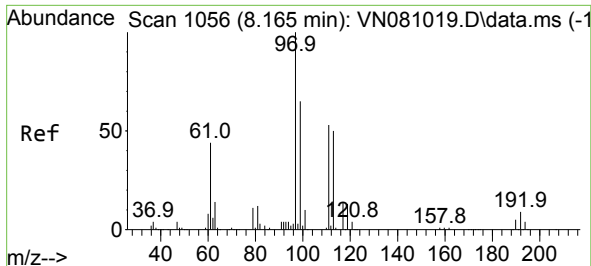
Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 16.6 0.0 34.8

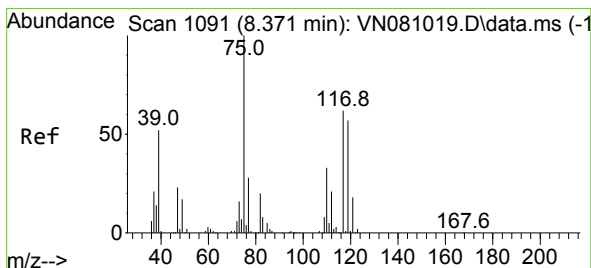
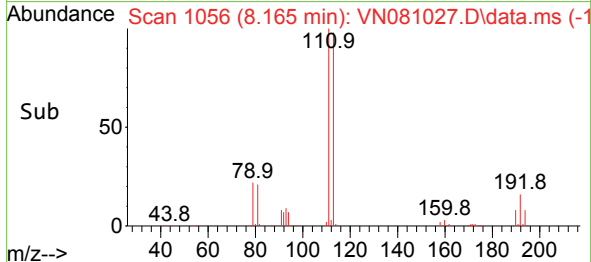
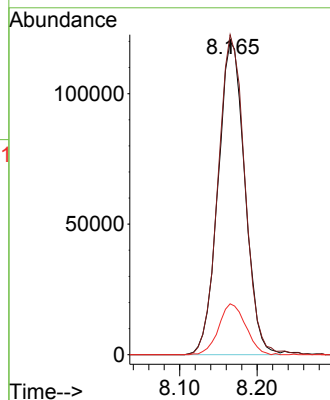
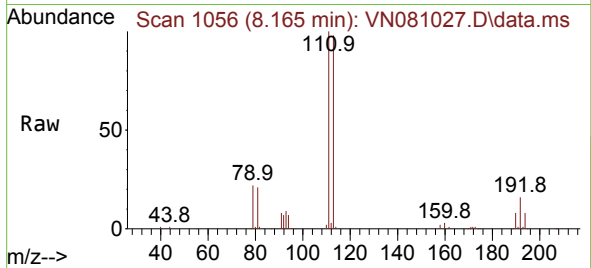




#35
Dibromofluoromethane
Concen: 53.047 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

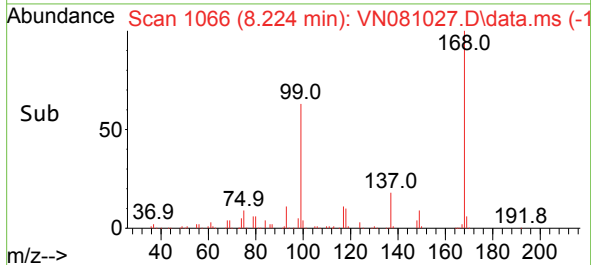
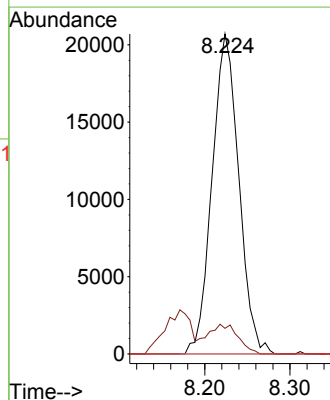
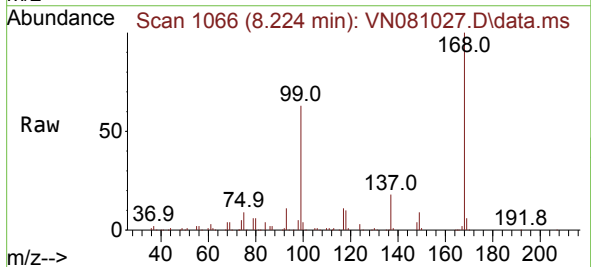
Instrument :
MSVOA_N
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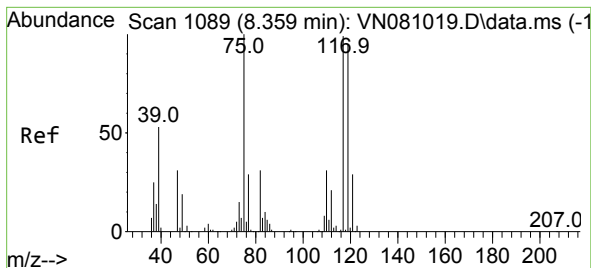
Tgt Ion:113 Resp: 288279
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 16.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

Tgt Ion: 75 Resp: 45043
Ion Ratio Lower Upper
75 100
110 10.1 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 8.398 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

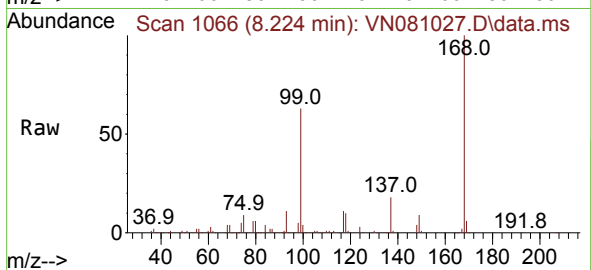
Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :



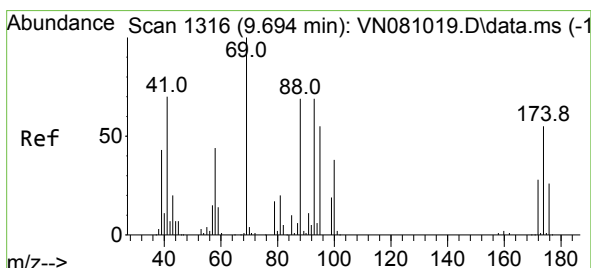
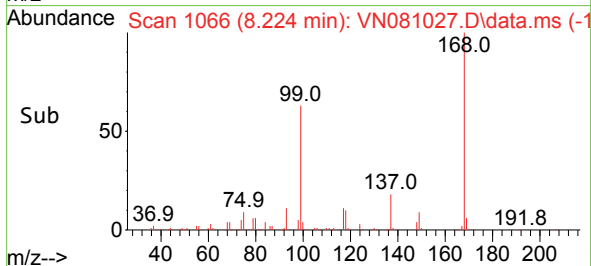
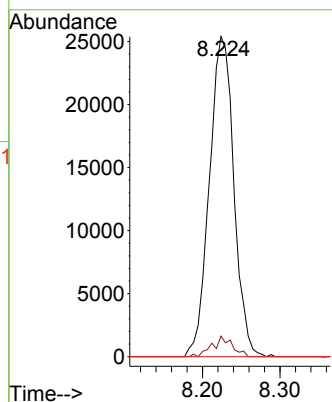
Tgt Ion:117 Resp: 55736

Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

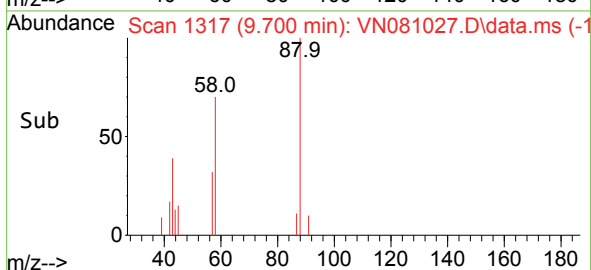
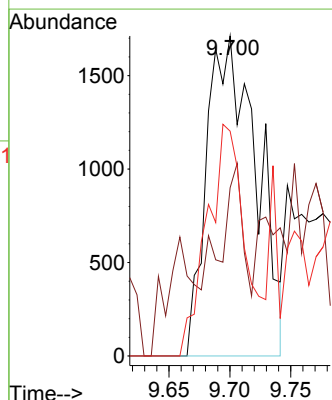
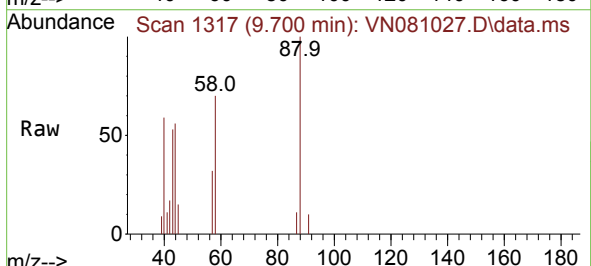
Tgt Ion: 88 Resp: 4857

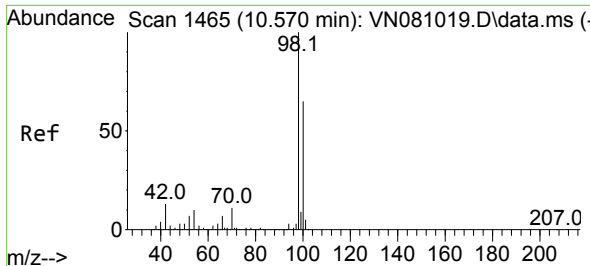
Ion Ratio Lower Upper

88 100

43 24.1 30.1 45.1#

58 53.1 63.9 95.9#

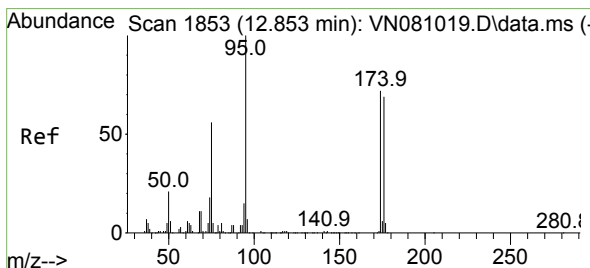
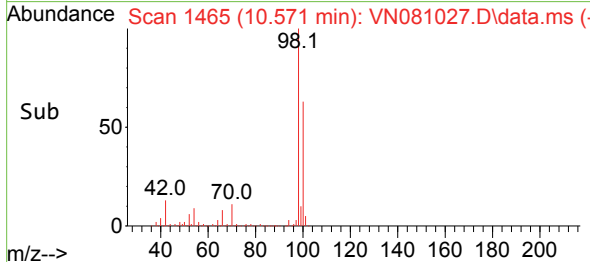
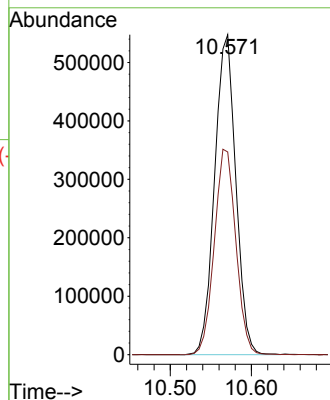
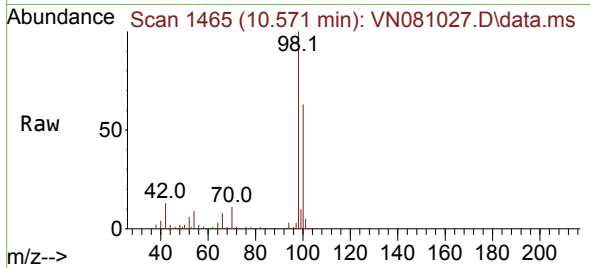




#50
Toluene-d8
Concen: 51.826 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

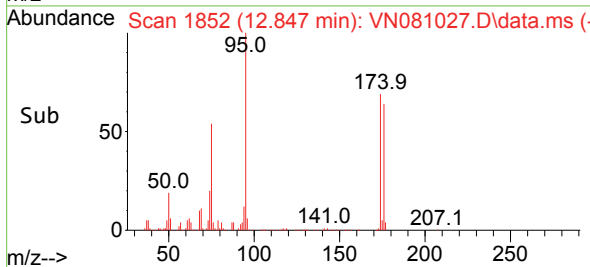
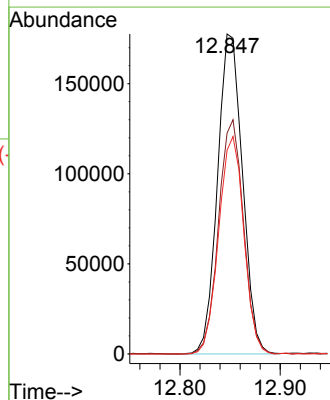
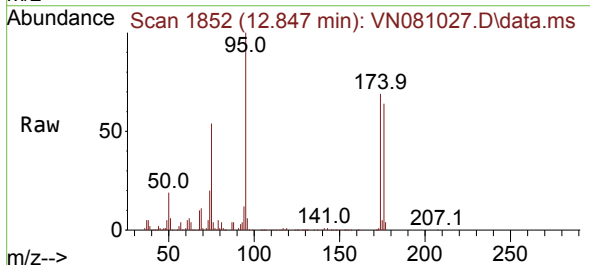
Instrument :
MSVOA_N
ClientSampleId :

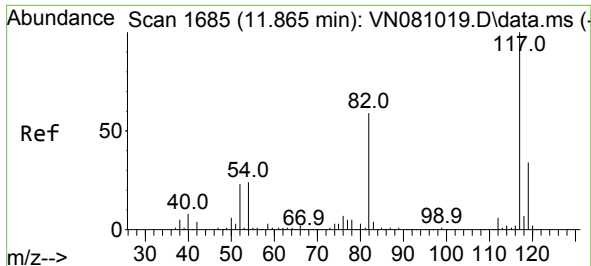
Tgt Ion: 98 Resp: 993280
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

Tgt Ion: 95 Resp: 307465
Ion Ratio Lower Upper
95 100
174 72.9 0.0 120.4
176 68.2 0.0 121.0

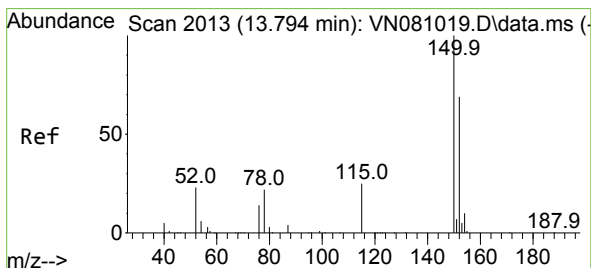
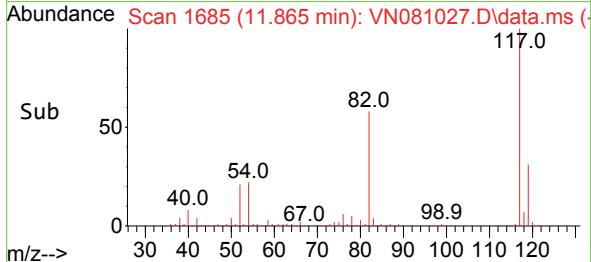
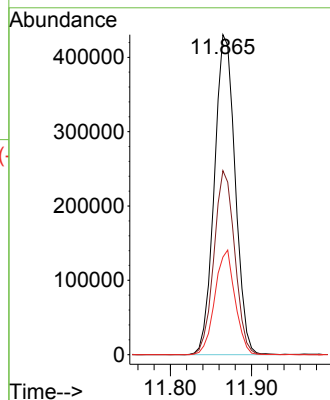
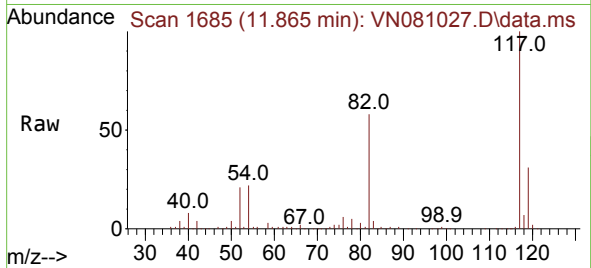




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

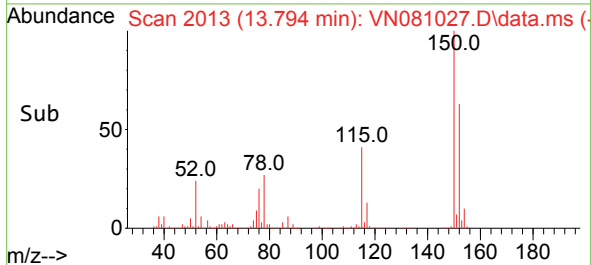
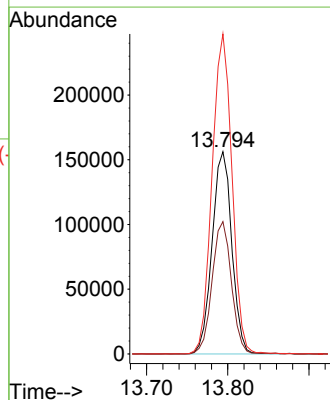
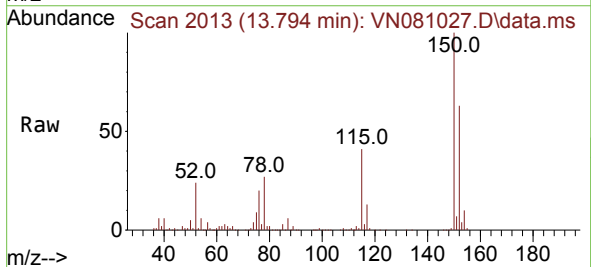
Instrument :
MSVOA_N
ClientSampleId :

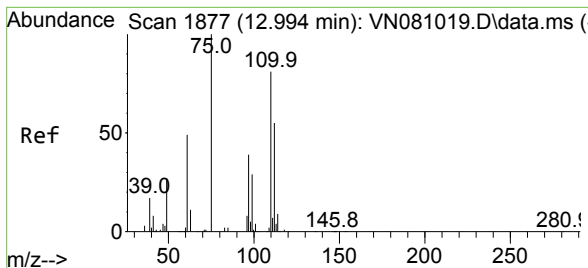
Tgt Ion:117 Resp: 767142
Ion Ratio Lower Upper
117 100
82 57.5 52.7 79.1
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081027.D
Acq: 14 Feb 2024 15:58

Tgt Ion:152 Resp: 263656
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 159.5 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 28.114 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

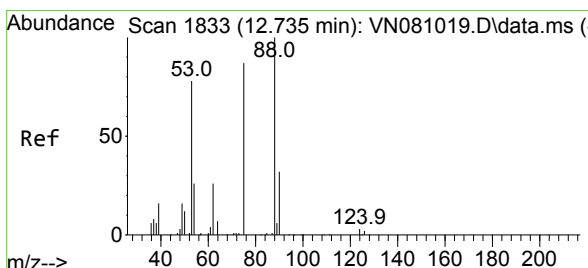
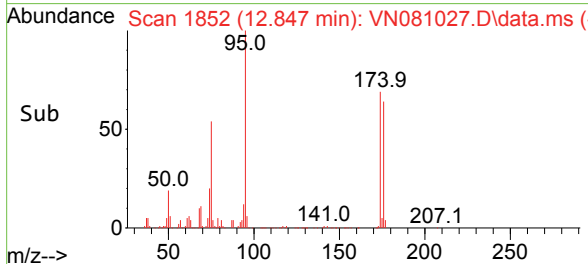
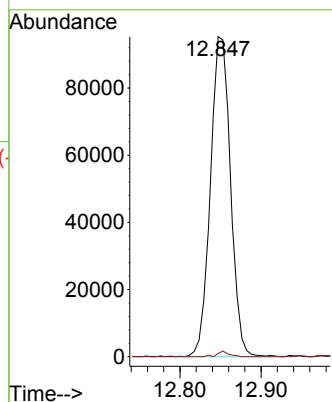
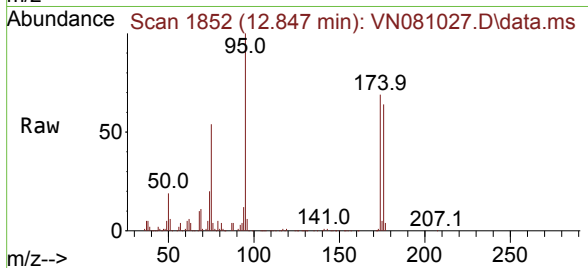
ClientSampleId :

Tgt Ion: 75 Resp: 163787

Ion Ratio Lower Upper

75 100

77 1.0 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.446 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

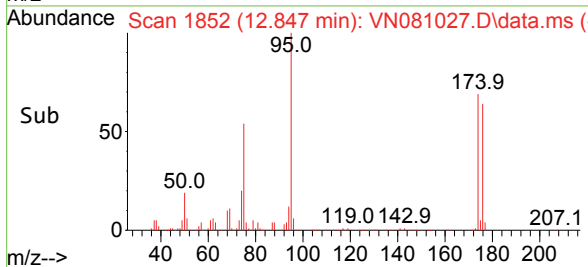
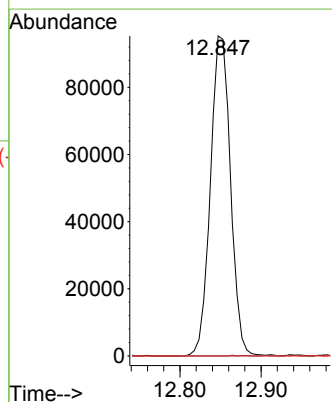
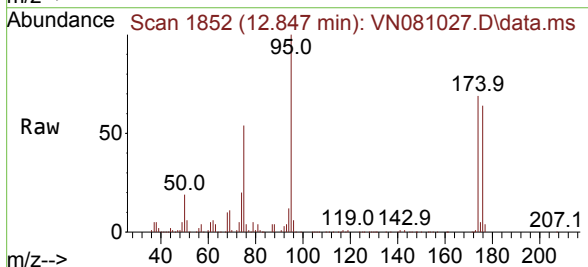
Tgt Ion: 75 Resp: 163787

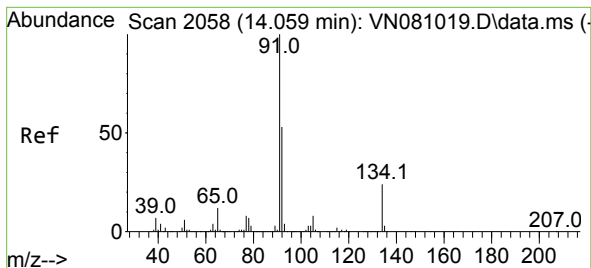
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.0 33.4 50.0#





#89

n-Butylbenzene

Concen: 0.339 ug/l

RT: 14.041 min Scan# 2055

Delta R.T. -0.017 min

Lab File: VN081027.D

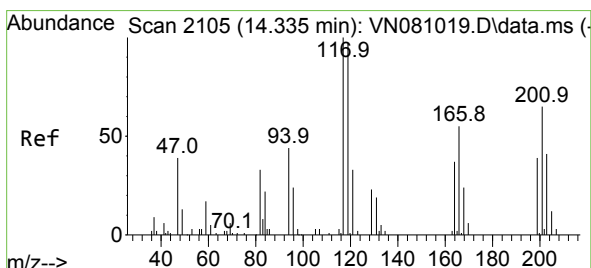
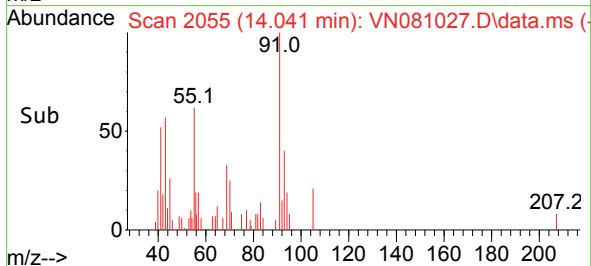
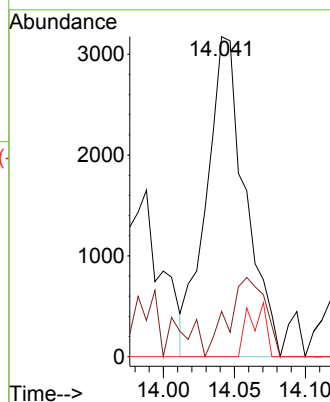
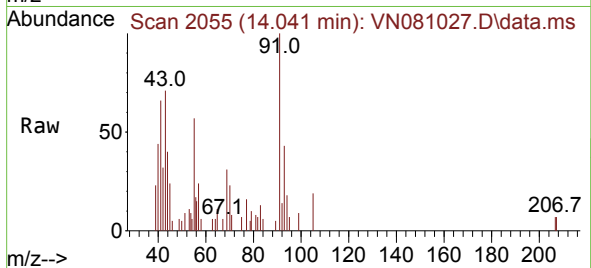
Acq: 14 Feb 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 6050
Ion Ratio	Lower Upper
91	100
92	0.0 26.7 80.1#
134	0.0 10.8 32.4#



#90

Hexachloroethane

Concen: Below Cal

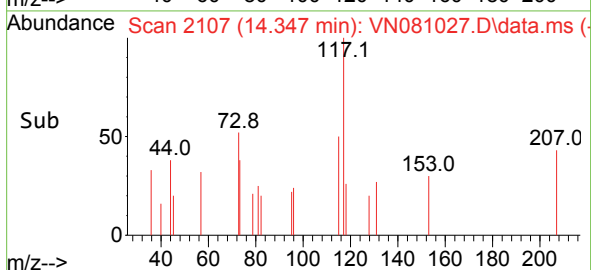
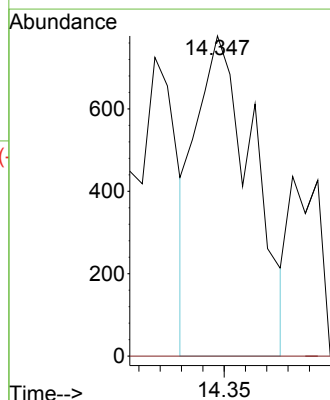
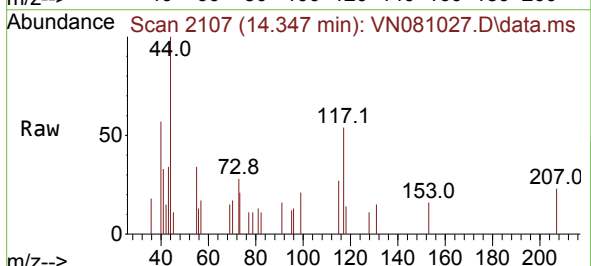
RT: 14.347 min Scan# 2107

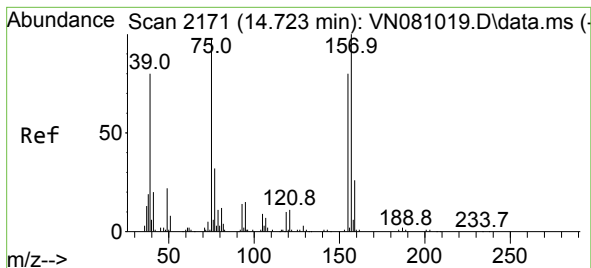
Delta R.T. 0.012 min

Lab File: VN081027.D

Acq: 14 Feb 2024 15:58

Tgt Ion: 117	Resp: 1457
Ion Ratio	Lower Upper
117	100
201	0.0 30.0 90.0#

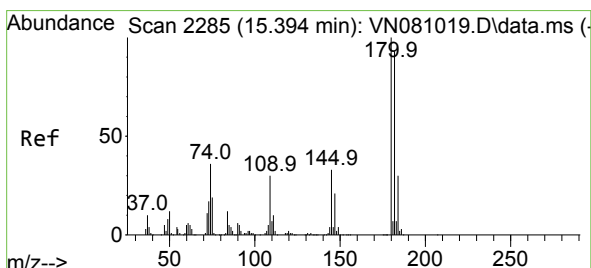
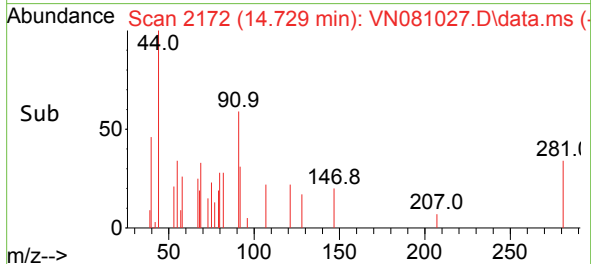
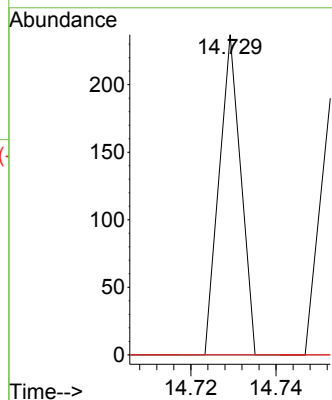
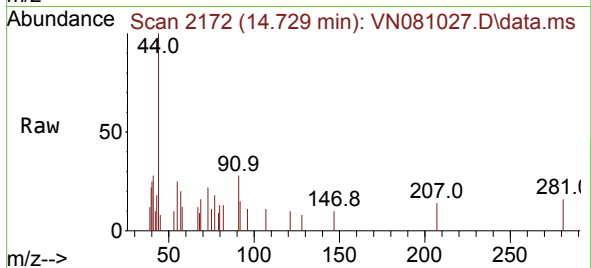




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN081027.D
 Acq: 14 Feb 2024 15:58

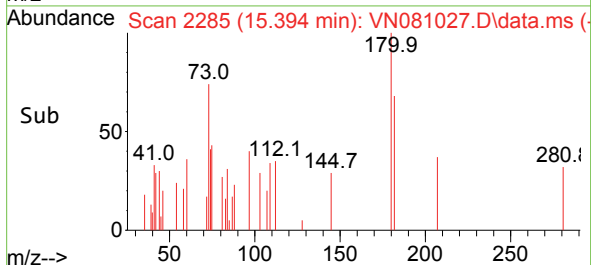
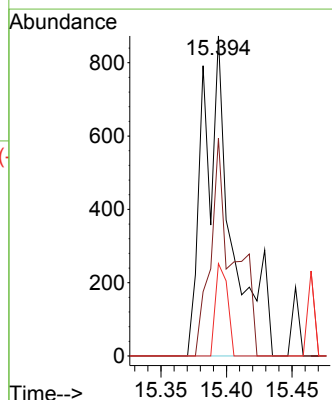
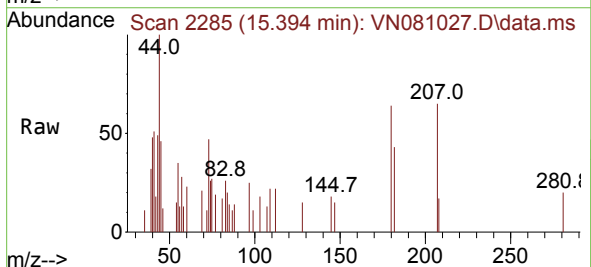
Instrument :
 MSVOA_N
 ClientSampleId :

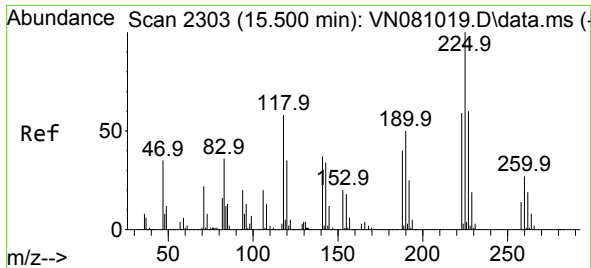
Tgt Ion: 75 Resp: 84
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.000 min
 Lab File: VN081027.D
 Acq: 14 Feb 2024 15:58

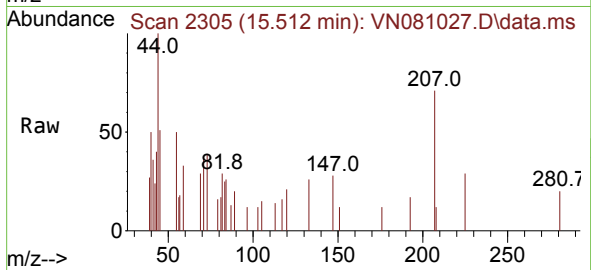
Tgt Ion:180 Resp: 1300
 Ion Ratio Lower Upper
 180 100
 182 55.3 46.6 139.7
 145 12.4 16.8 50.3#





#94
 Hexachlorobutadiene
 Concen: 0.267 ug/l
 RT: 15.512 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN081027.D
 Acq: 14 Feb 2024 15:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	588
Ion	Ratio	Lower	Upper
225	100		
223	39.6	33.3	99.8
227	0.0	33.1	99.2#

