

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
 Data File : VN081950.D
 Acq On : 01 May 2024 12:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 02 01:33:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

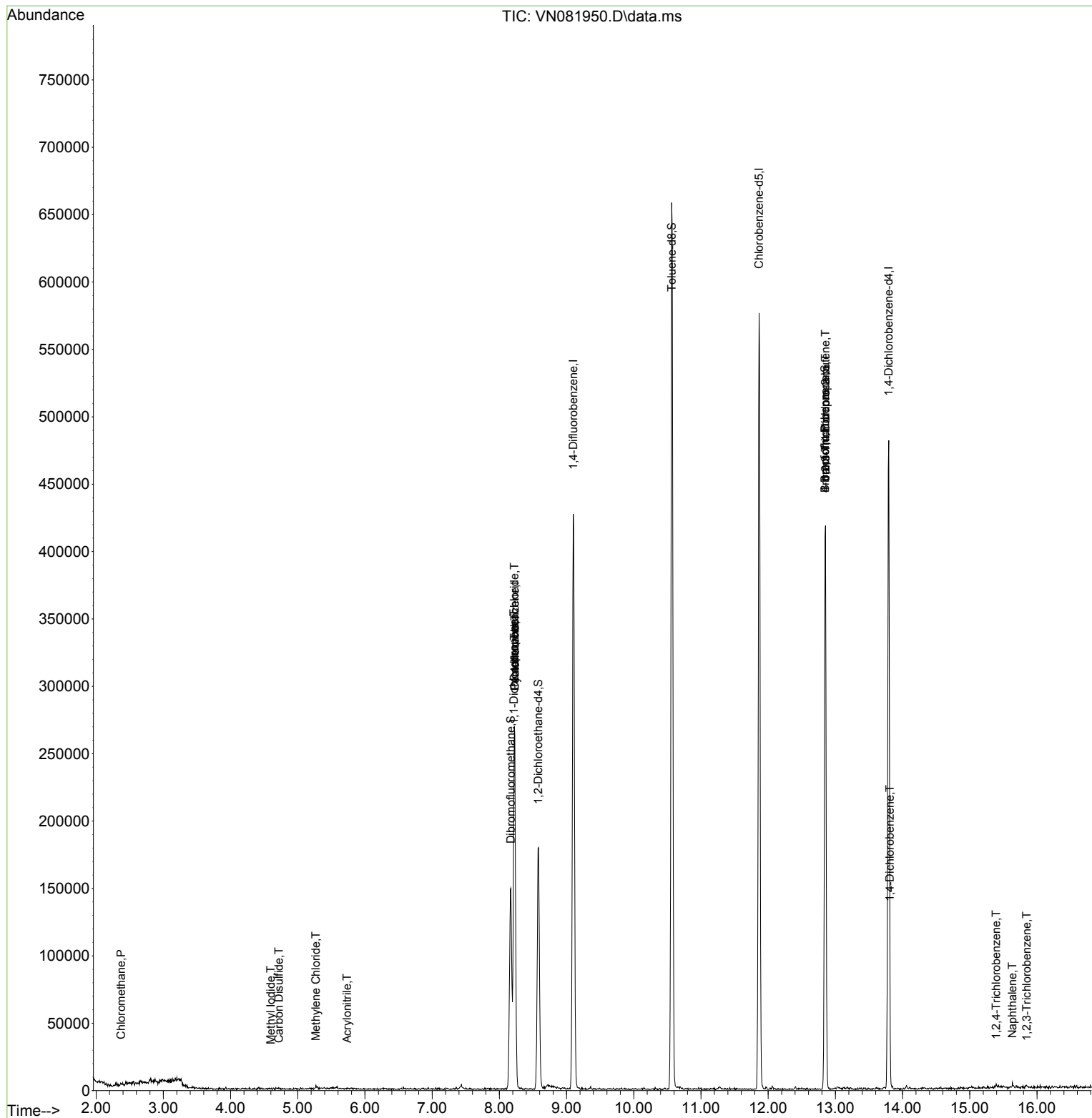
Internal Standards						
1) Pentafluorobenzene	8.230	168	185944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142094	45.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.560%
35) Dibromofluoromethane	8.171	113	108745	48.318	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	10.565	98	456464	51.641	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.847	95	150905	43.187	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	86.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	758	0.278	ug/l #	43
5) Bromomethane	2.965	94	931	Below Cal	#	44
10) Methyl Iodide	4.600	142	611	0.315	ug/l #	40
13) Acrolein	4.165	56	245	Below Cal	#	42
15) Acrylonitrile	5.736	53	386	0.282	ug/l #	32
16) Acetone	4.430	43	610	Below Cal	#	43
17) Carbon Disulfide	4.718	76	2220	0.328	ug/l #	74
20) Methylene Chloride	5.271	84	668	0.248	ug/l #	62
31) Cyclohexane	8.230	56	5361	1.134	ug/l #	52
36) 1,1-Dichloropropene	8.218	75	18202	4.971	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19357	5.409	ug/l #	17
71) Bromoform	12.847	173	606	0.335	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82734	26.028	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82734	53.336	ug/l #	12
88) 1,4-Dichlorobenzene	13.812	146	1033	0.246	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.394	180	805	0.353	ug/l #	66
95) Naphthalene	15.635	128	2774	0.322	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.847	180	664	0.303	ug/l #	77

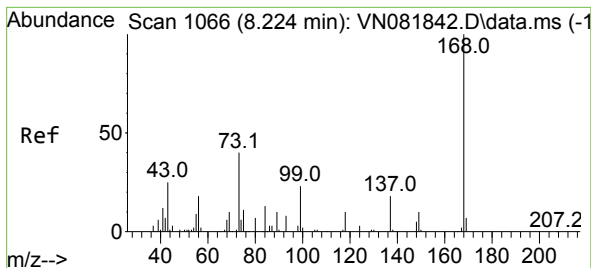
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

Instrument :

MSVOA_N

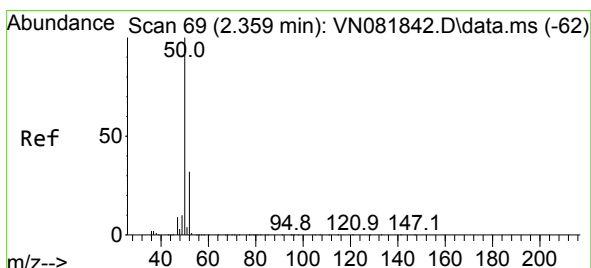
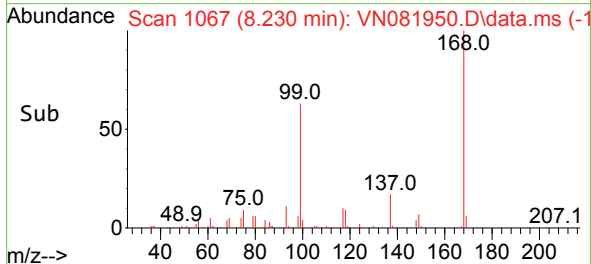
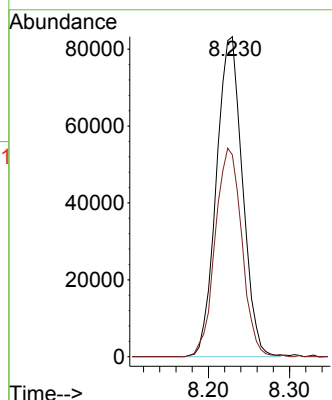
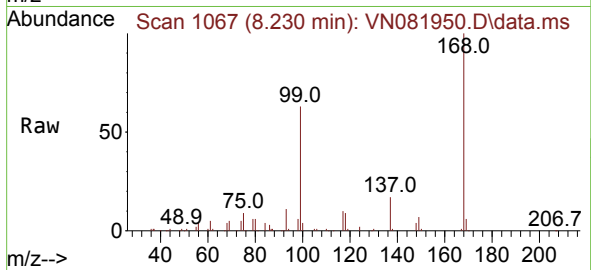
ClientSampleId :

Tgt Ion:168 Resp: 185944

Ion Ratio Lower Upper

168 100

99 63.0 48.2 72.4



#3

Chloromethane

Concen: 0.278 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN081950.D

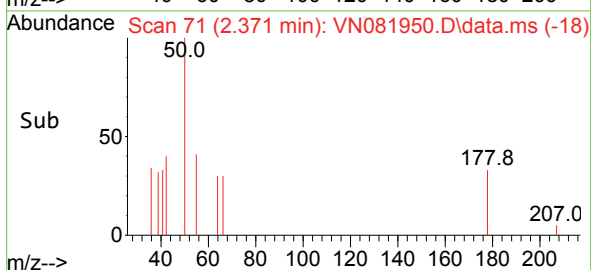
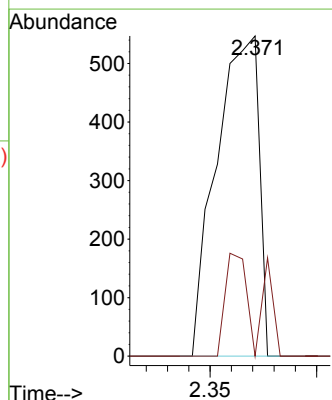
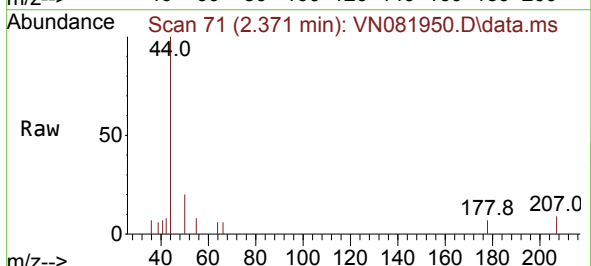
Acq: 01 May 2024 12:39

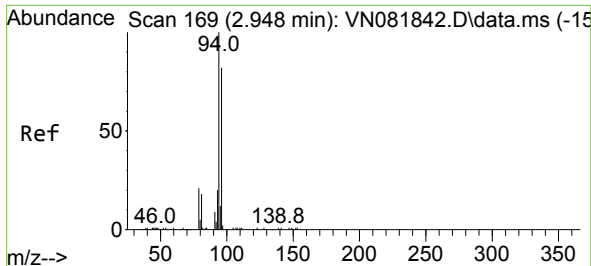
Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

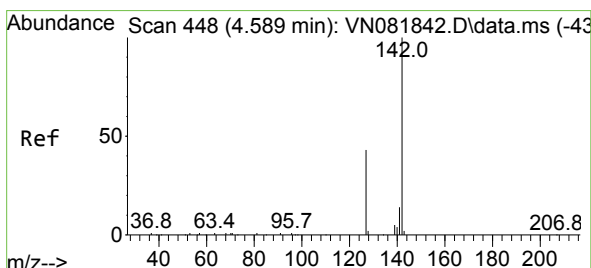
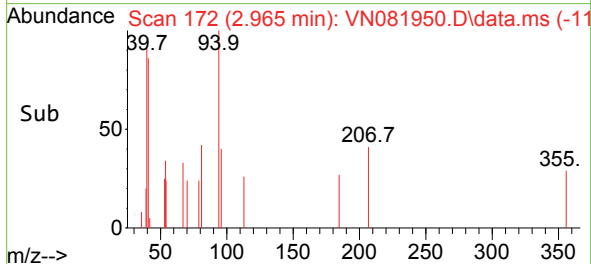
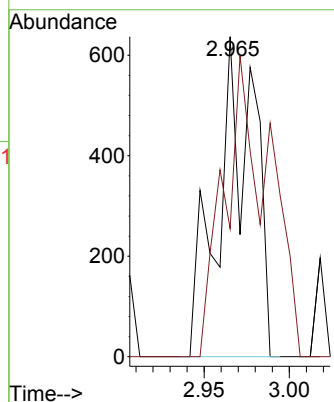
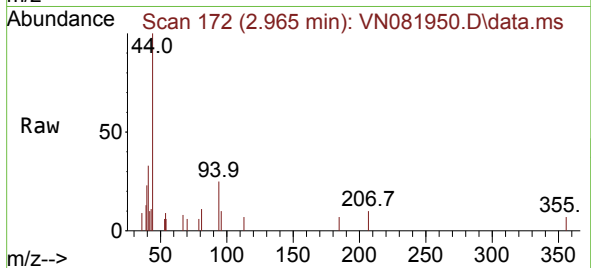




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

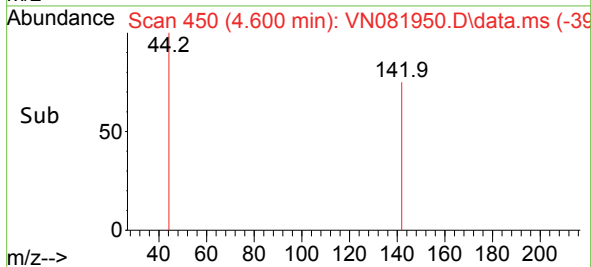
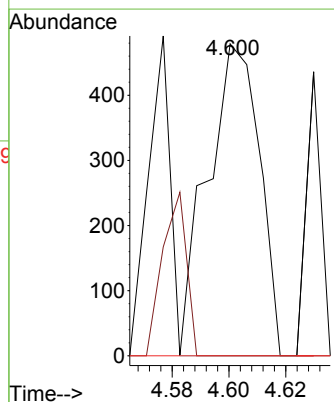
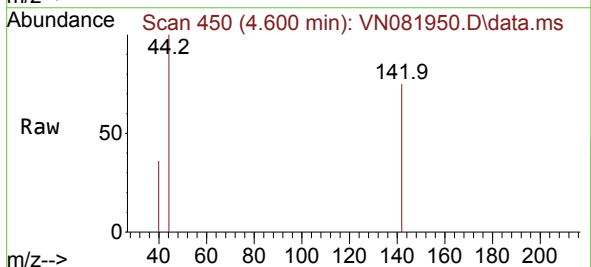
Instrument :
MSVOA_N
ClientSampleId :

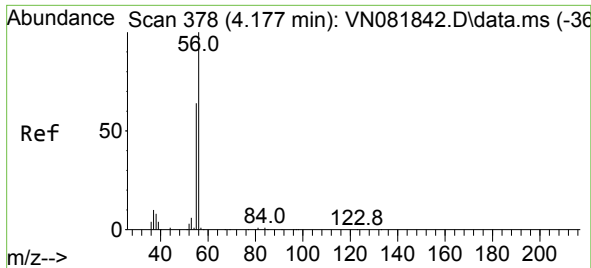
Tgt Ion: 94 Resp: 931
Ion Ratio Lower Upper
94 100
96 40.0 74.8 112.2#



#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

Tgt Ion:142 Resp: 611
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: Below Cal

RT: 4.165 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

Instrument :

MSVOA_N

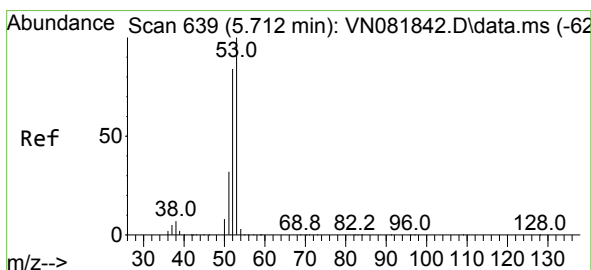
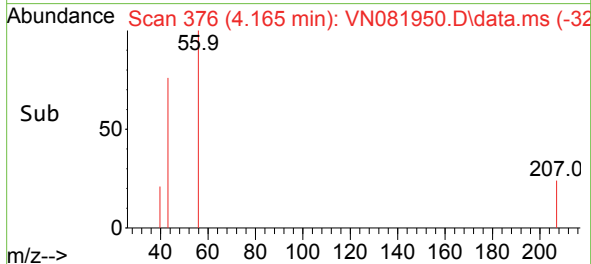
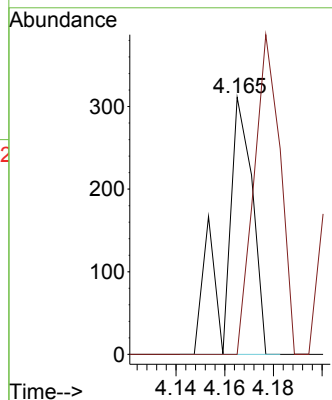
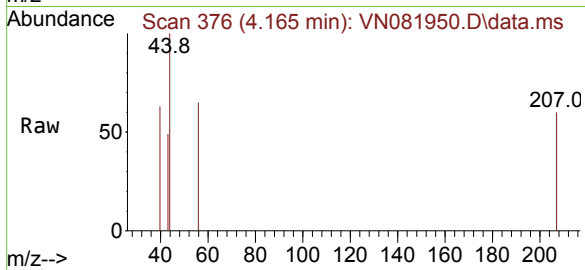
ClientSampleId :

Tgt Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 117.1 55.8 83.8#



#15

Acrylonitrile

Concen: 0.282 ug/l

RT: 5.736 min Scan# 643

Delta R.T. 0.024 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

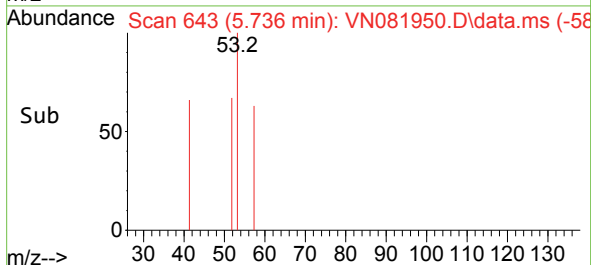
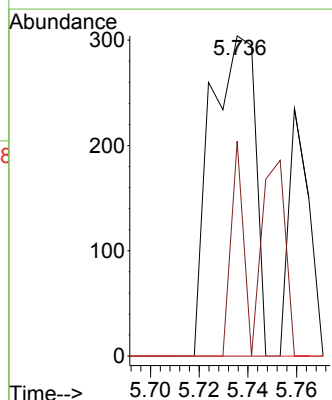
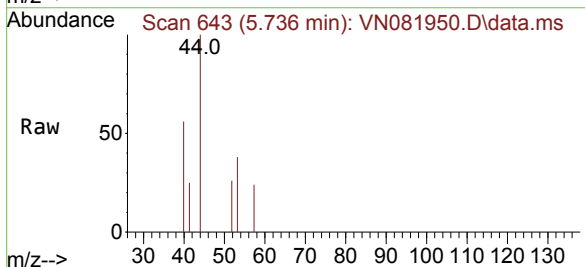
Tgt Ion: 53 Resp: 386

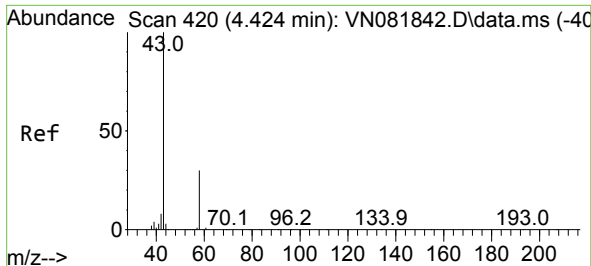
Ion Ratio Lower Upper

53 100

52 18.7 66.1 99.1#

51 0.0 29.4 44.2#

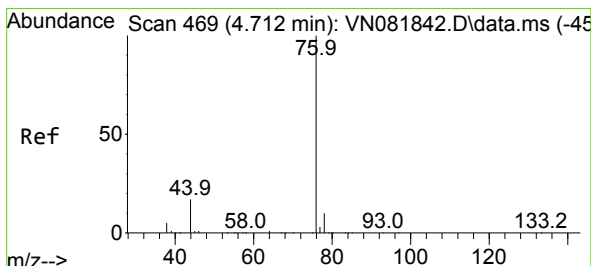
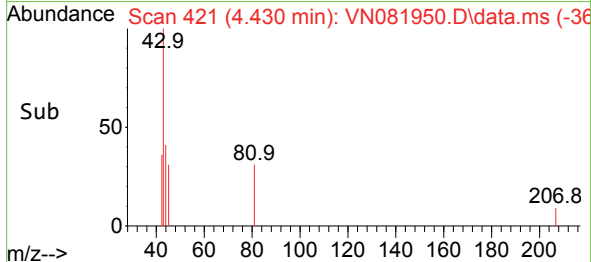
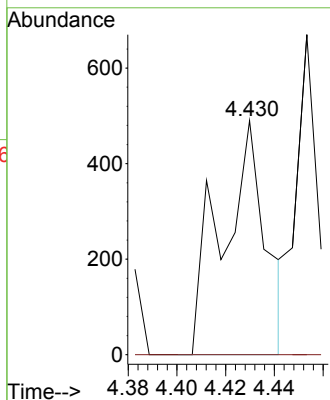
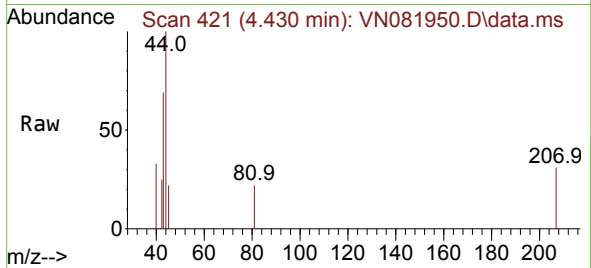




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

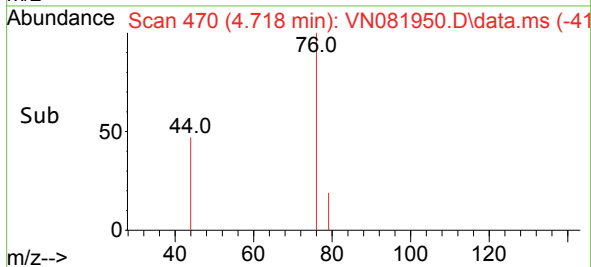
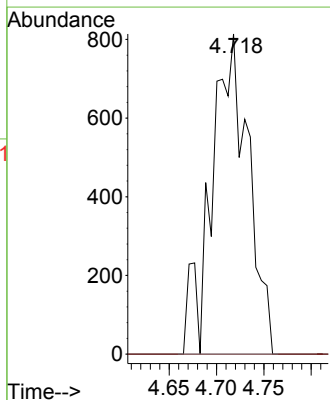
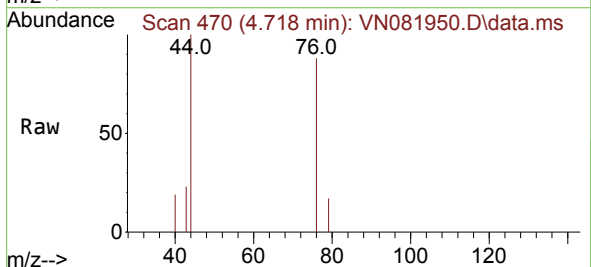
Instrument :
MSVOA_N
ClientSampleId :

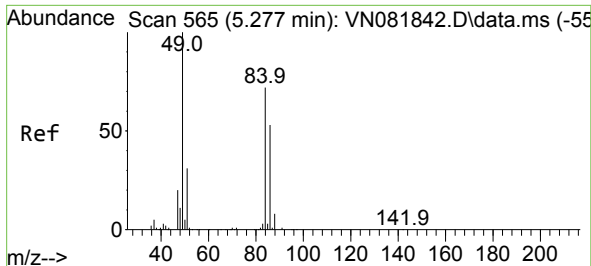
Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

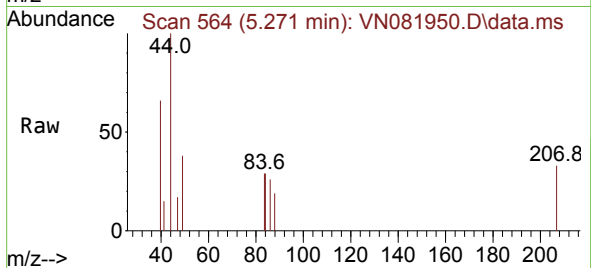
Tgt Ion: 76 Resp: 2220
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



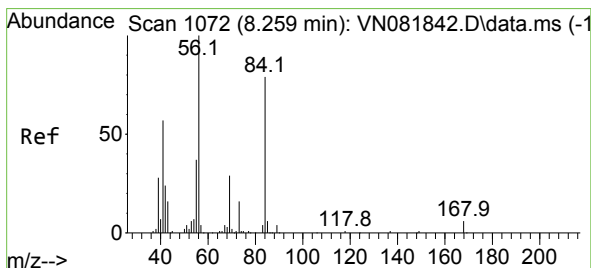
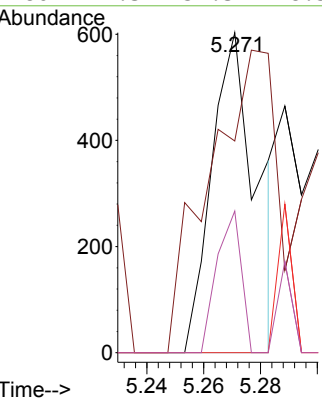
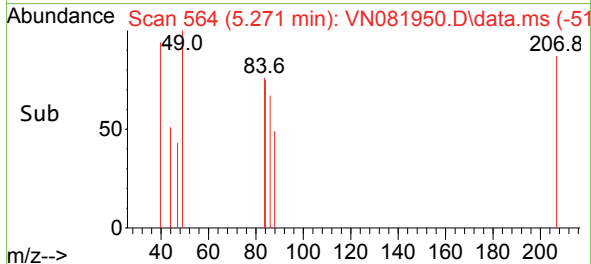


#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

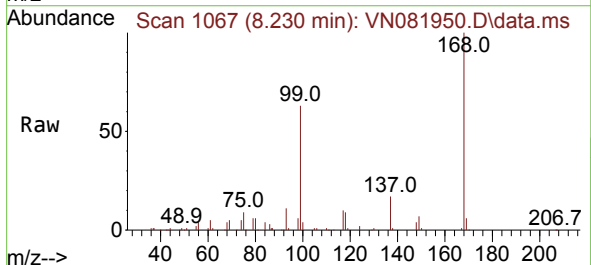
Instrument :
MSVOA_N
ClientSampleId :



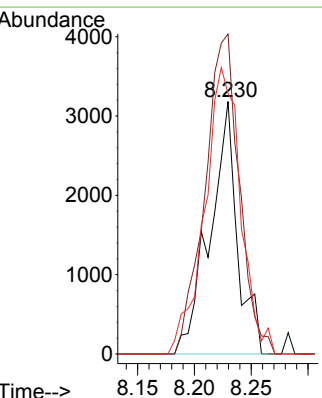
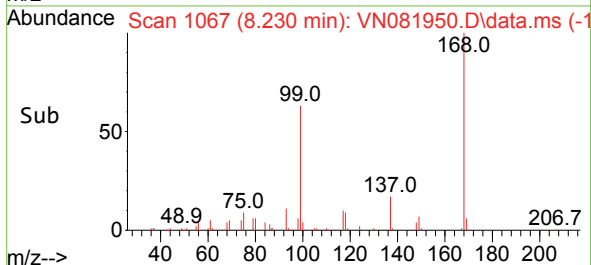
Tgt Ion: 84 Resp: 668
Ion Ratio Lower Upper
84 100
49 66.2 84.9 127.3#
51 0.0 27.0 40.6#
86 44.3 52.3 78.5#

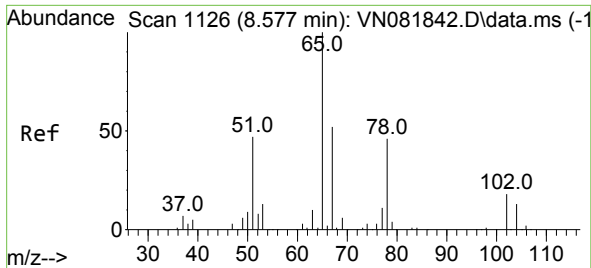


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39



Tgt Ion: 56 Resp: 5361
Ion Ratio Lower Upper
56 100
69 126.8 24.4 36.6#
84 103.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 45.278 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

Instrument :

MSVOA_N

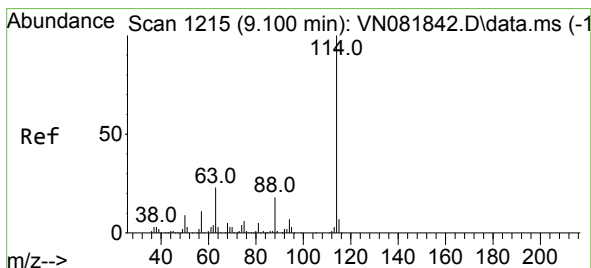
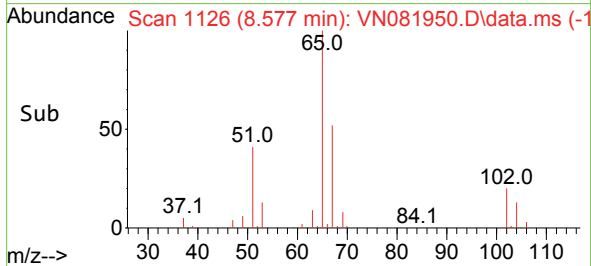
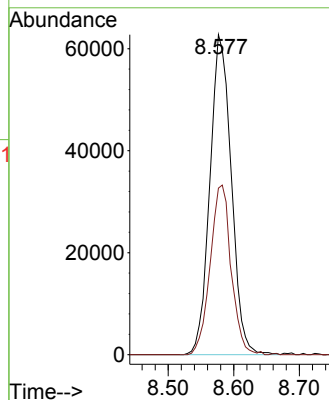
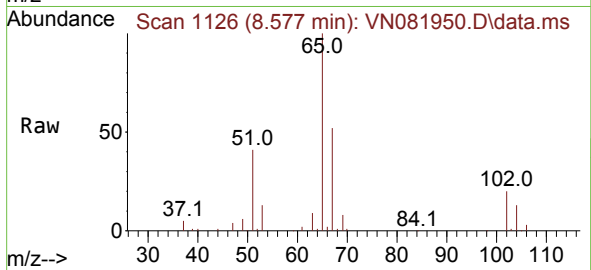
ClientSampleId :

Tgt Ion: 65 Resp: 142094

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

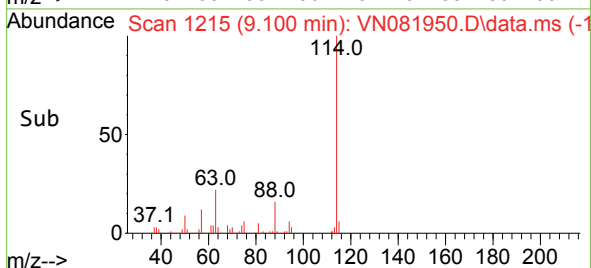
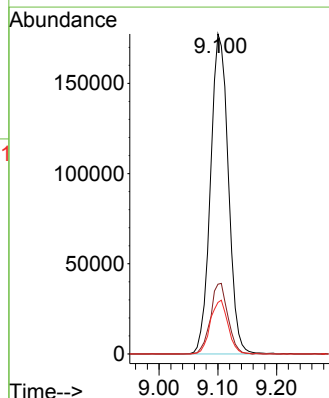
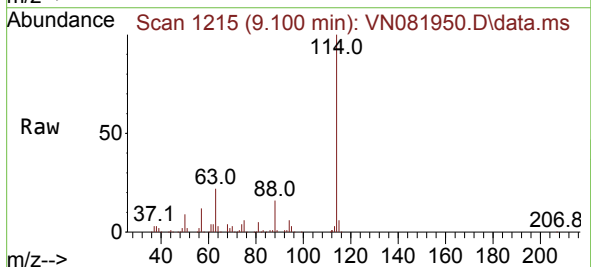
Tgt Ion: 114 Resp: 373806

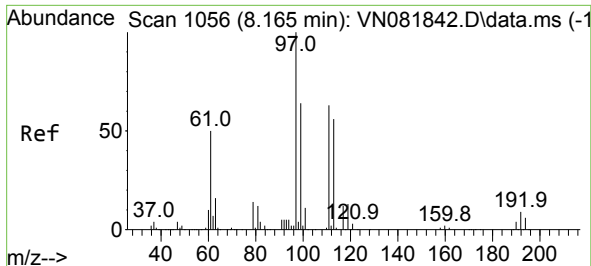
Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.0

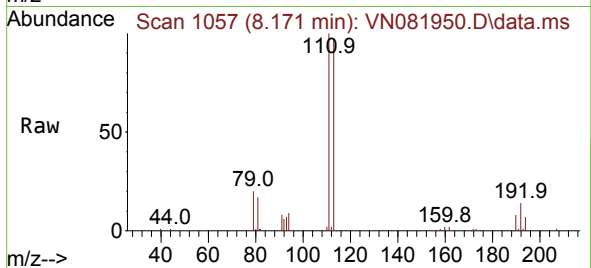
88 16.1 0.0 31.4



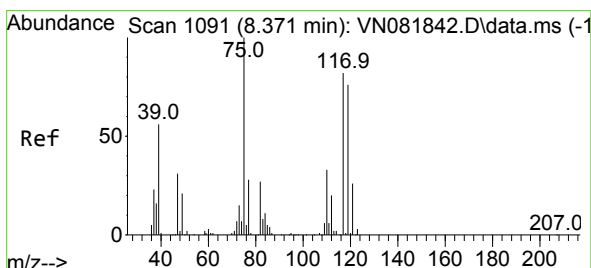
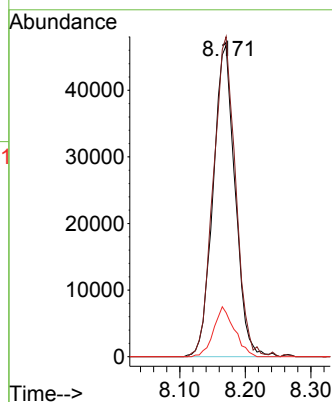
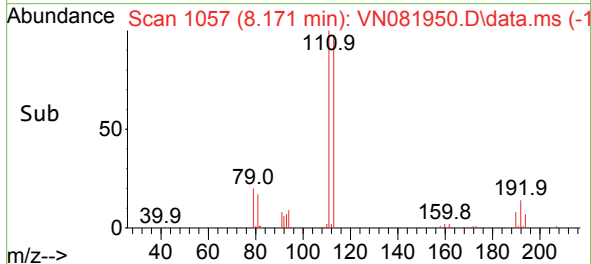


#35
 Dibromofluoromethane
 Concen: 48.318 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN081950.D
 Acq: 01 May 2024 12:39

Instrument :
 MSVOA_N
 ClientSampleId :

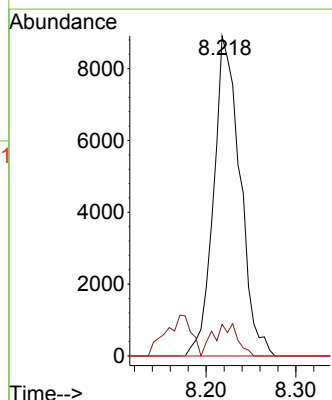
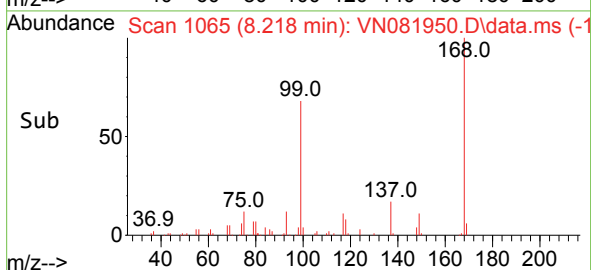
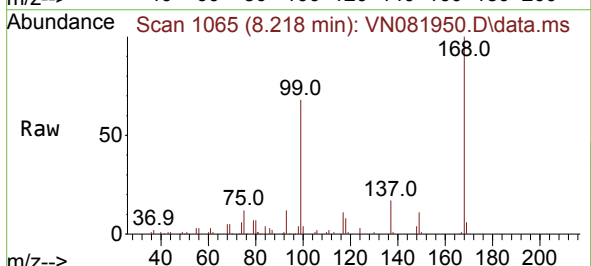


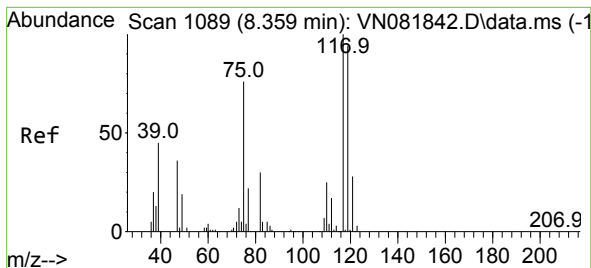
Tgt Ion:113 Resp: 108745
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.4 125.2
 192 15.2 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.971 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN081950.D
 Acq: 01 May 2024 12:39

Tgt Ion: 75 Resp: 18202
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

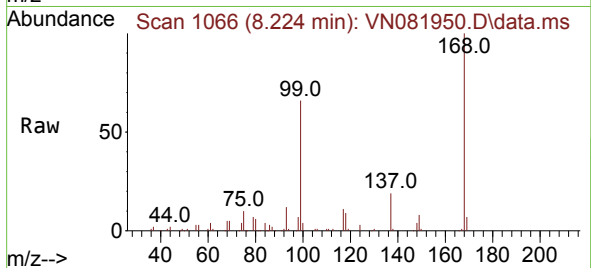
Lab File: VN081950.D

Acq: 01 May 2024 12:39

Instrument :

MSVOA_N

ClientSampleId :



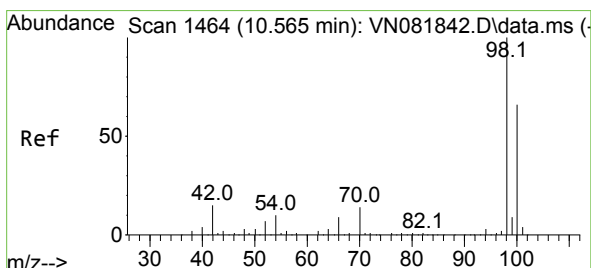
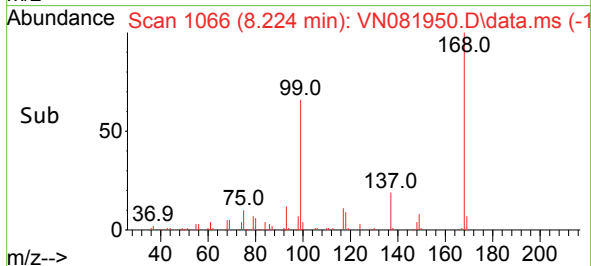
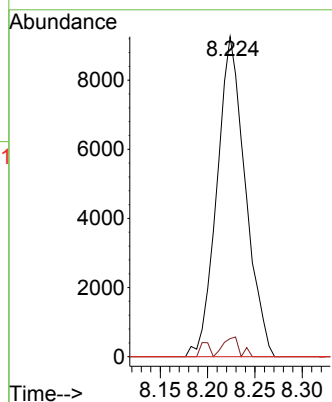
Tgt Ion:117 Resp: 19357

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 51.641 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081950.D

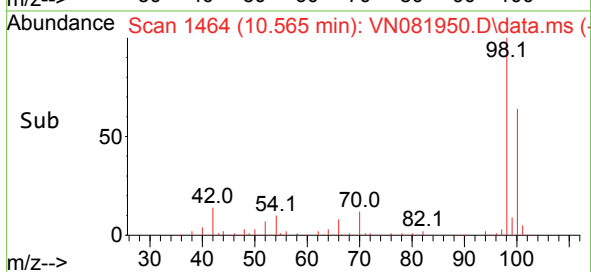
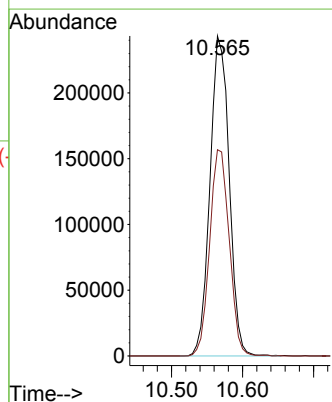
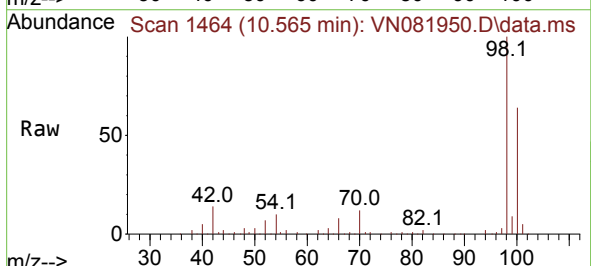
Acq: 01 May 2024 12:39

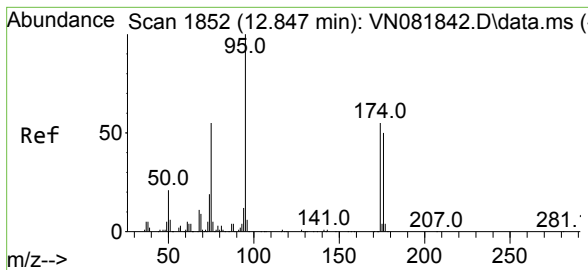
Tgt Ion: 98 Resp: 456464

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6

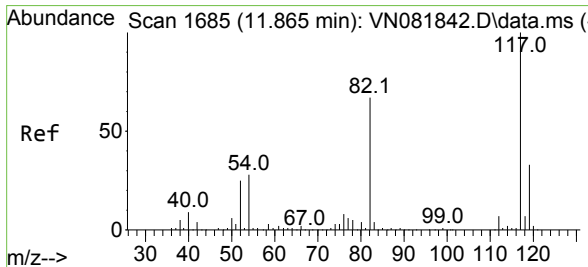
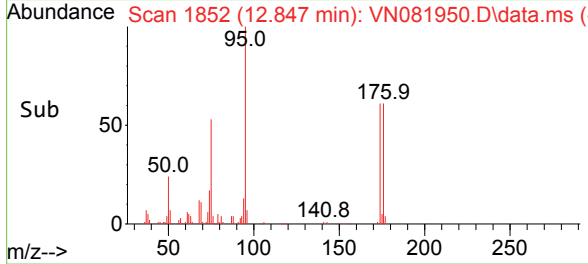
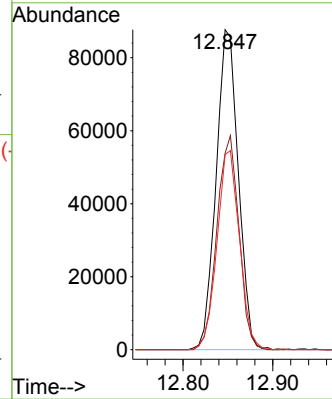
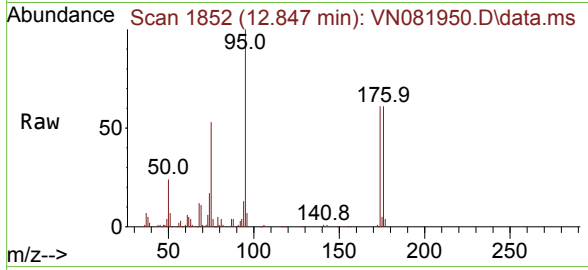




#62
4-Bromofluorobenzene
Concen: 43.187 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

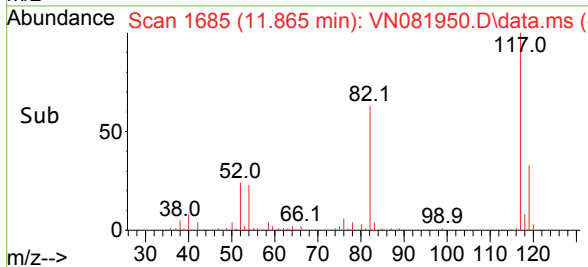
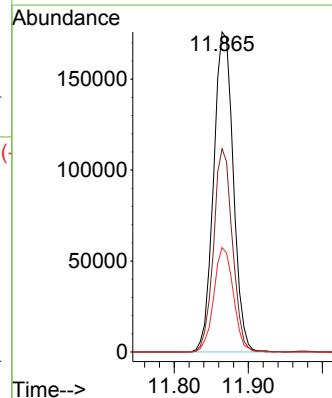
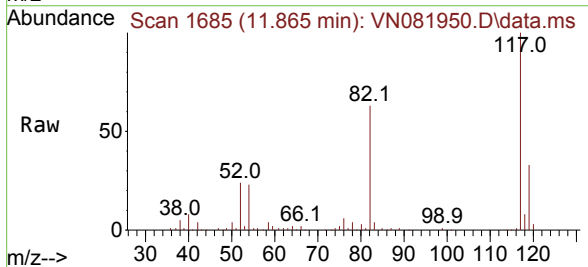
Instrument :
MSVOA_N
ClientSampleId :

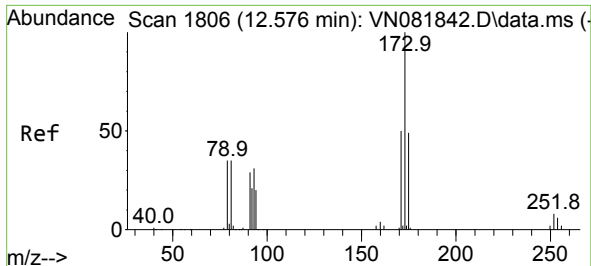
Tgt Ion: 95 Resp: 150905
Ion Ratio Lower Upper
95 100
174 65.9 0.0 160.6
176 62.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

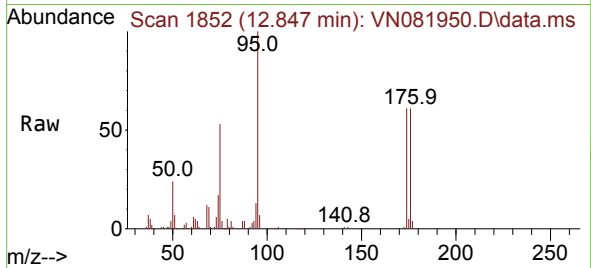
Tgt Ion: 117 Resp: 324684
Ion Ratio Lower Upper
117 100
82 63.5 44.6 66.8
119 32.6 25.9 38.9



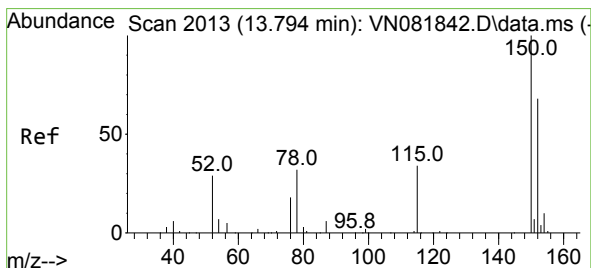
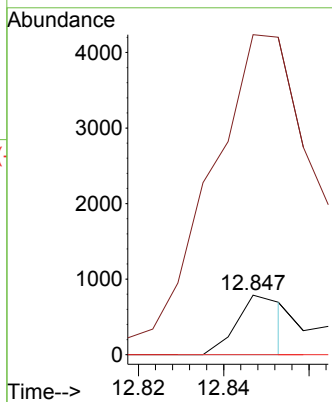
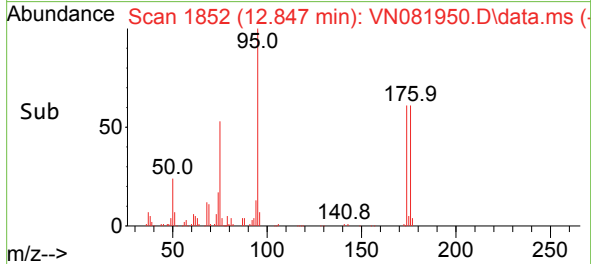


#71
Bromoform
Concen: 0.335 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

Instrument :
MSVOA_N
ClientSampleId :

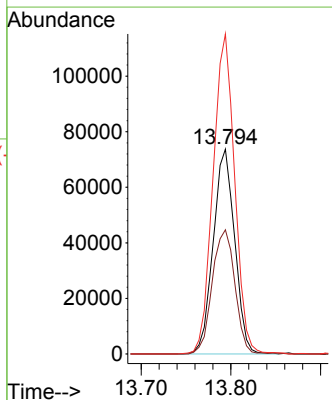
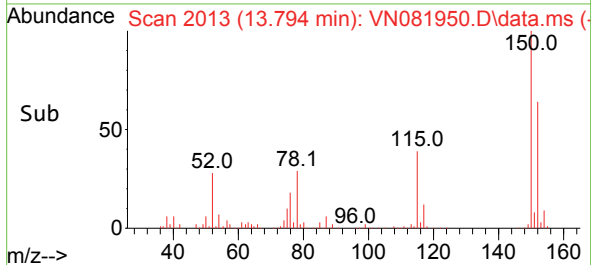
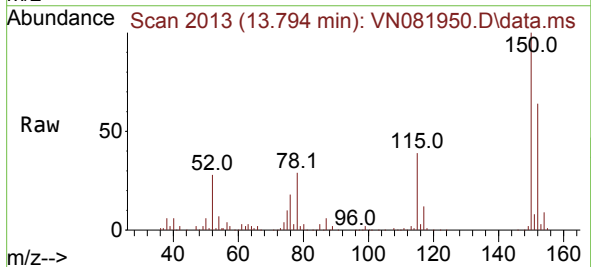


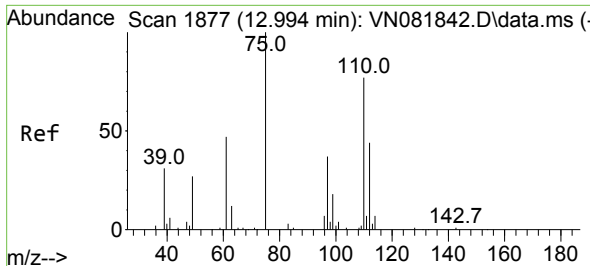
Tgt Ion:173 Resp: 606
Ion Ratio Lower Upper
173 100
175 876.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

Tgt Ion:152 Resp: 122594
Ion Ratio Lower Upper
152 100
115 64.0 30.4 91.3
150 157.3 0.0 353.2

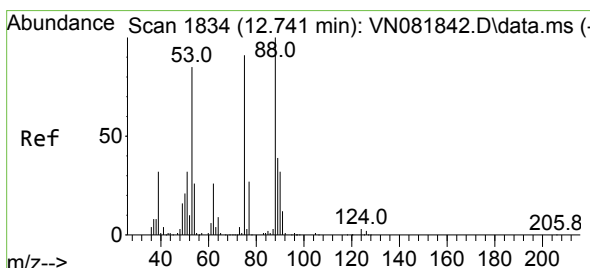
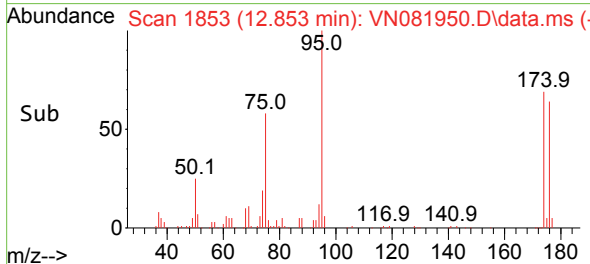
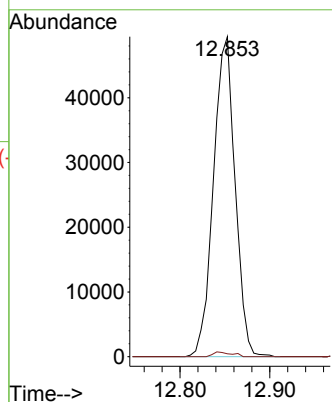
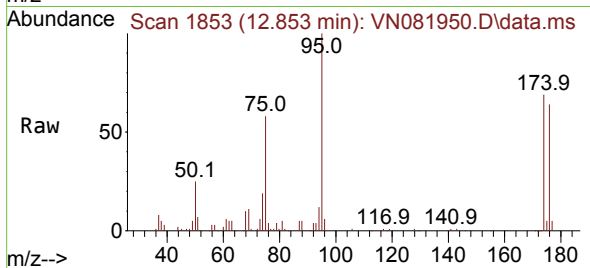




#76
 1,2,3-Trichloropropane
 Concen: 26.028 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081950.D
 Acq: 01 May 2024 12:39

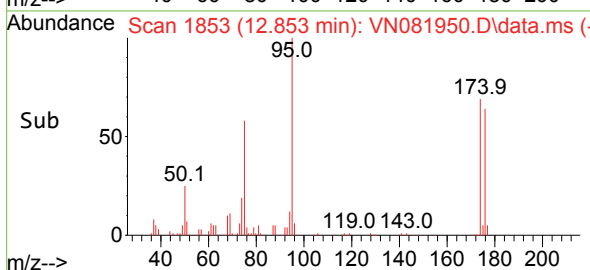
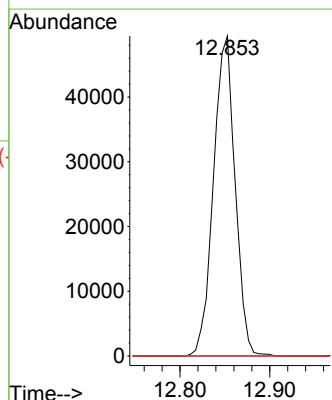
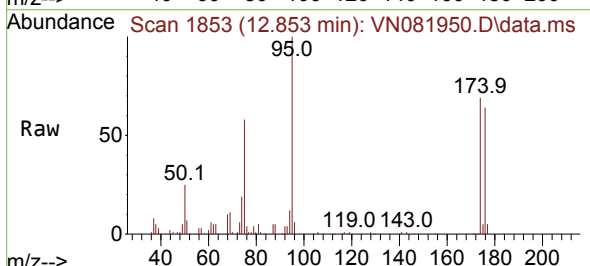
Instrument :
 MSVOA_N
 ClientSampleId :

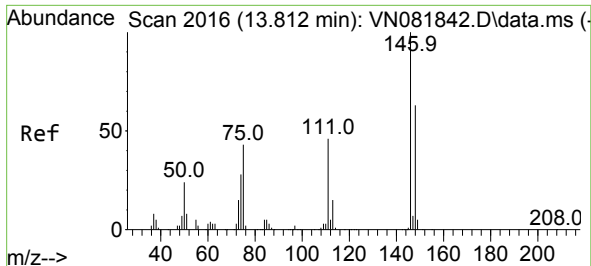
Tgt Ion: 75 Resp: 82734
 Ion Ratio Lower Upper
 75 100
 77 1.3 90.5 271.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.336 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081950.D
 Acq: 01 May 2024 12:39

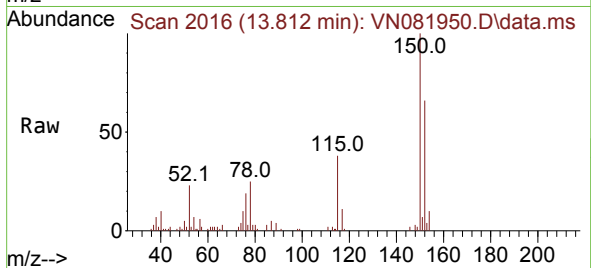
Tgt Ion: 75 Resp: 82734
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#



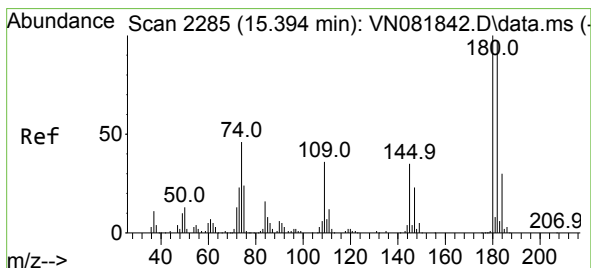
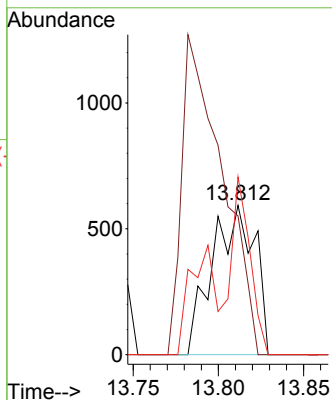
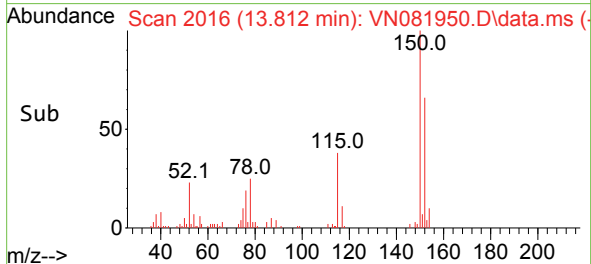


#88
1,4-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39

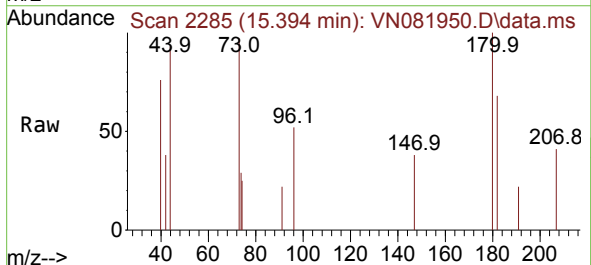
Instrument :
MSVOA_N
ClientSampleId :



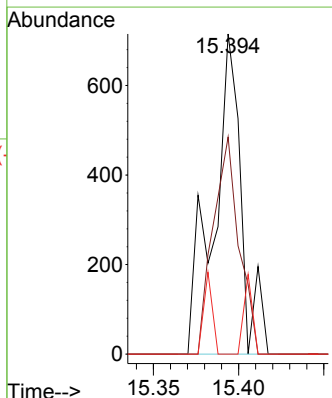
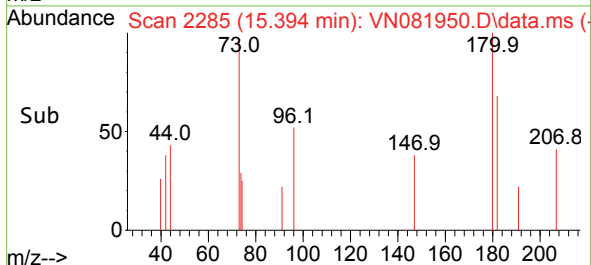
Tgt Ion:146 Resp: 1033
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 53.0 31.3 93.9

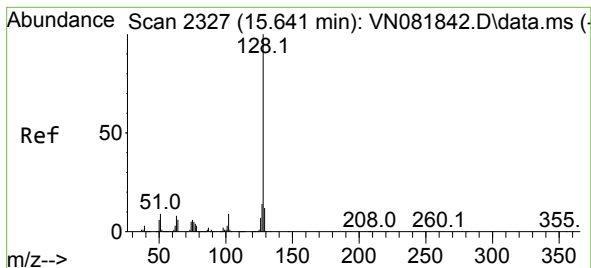


#93
1,2,4-Trichlorobenzene
Concen: 0.353 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN081950.D
Acq: 01 May 2024 12:39



Tgt Ion:180 Resp: 805
Ion Ratio Lower Upper
180 100
182 63.9 46.7 140.0
145 7.8 16.2 48.6#





#95

Naphthalene

Concen: 0.322 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

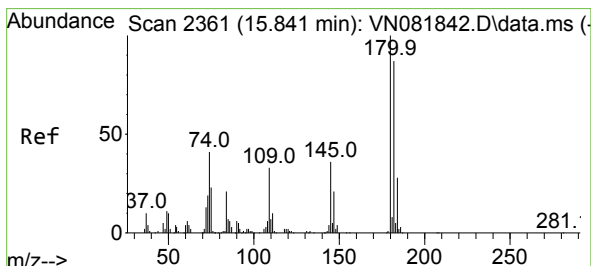
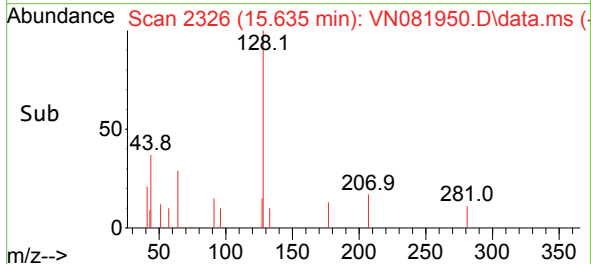
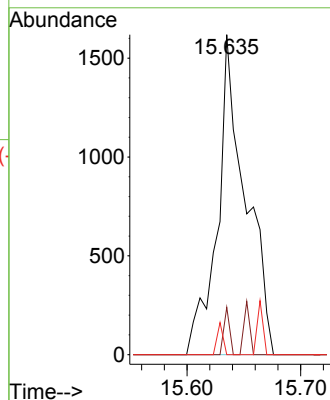
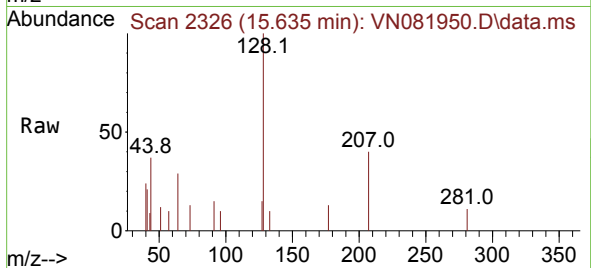
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128 Resp: 2774

Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.1	15.1#
129	2.1	8.9	13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.303 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081950.D

Acq: 01 May 2024 12:39

Tgt Ion:180 Resp: 664

Ion	Ratio	Lower	Upper
180	100		
182	107.7	46.0	137.8
145	10.4	17.1	51.3#

