

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050324\
 Data File : VN081985.D
 Acq On : 03 May 2024 12:12
 Operator : JC\MD
 Sample : VN0503WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 01:52:41 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)

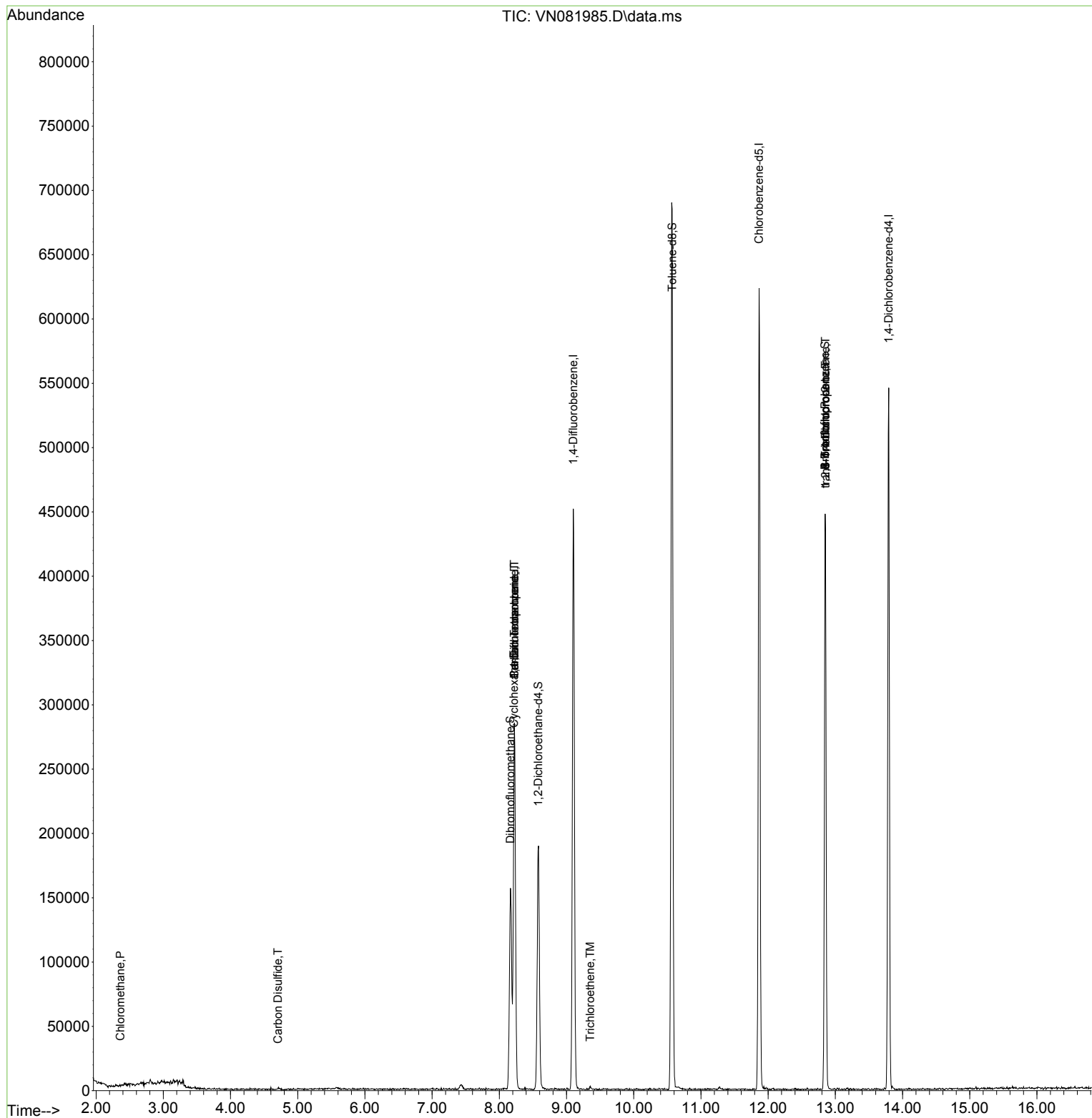
Internal Standards						
1) Pentafluorobenzene	8.224	168	191281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	381636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148421	45.975	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.940%
35) Dibromofluoromethane	8.165	113	111953	48.722	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.440%
50) Toluene-d8	10.571	98	478575	53.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.060%
62) 4-Bromofluorobenzene	12.847	95	160656	45.035	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	90.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	583	0.208	ug/l #	43
5) Bromomethane	2.977	94	624	Below Cal	#	3
13) Acrolein	4.189	56	131	Below Cal	#	15
16) Acetone	4.424	43	184	Below Cal	#	43
17) Carbon Disulfide	4.706	76	1495	0.215	ug/l #	74
31) Cyclohexane	8.218	56	5947	1.223	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	18918	5.061	ug/l #	48
38) Carbon Tetrachloride	8.224	117	19503	5.338	ug/l #	18
44) Trichloroethene	9.353	130	686	0.265	ug/l	79
71) Bromoform	12.847	173	507	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	89095	26.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89095	53.548	ug/l #	12

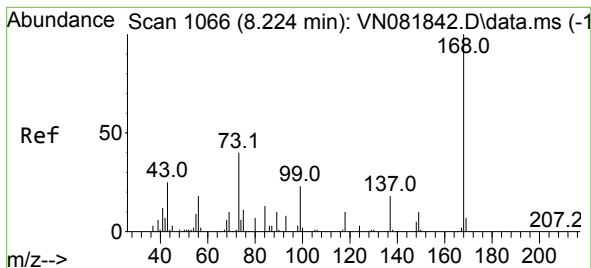
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081985.D

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Instrument :

MSVOA_N

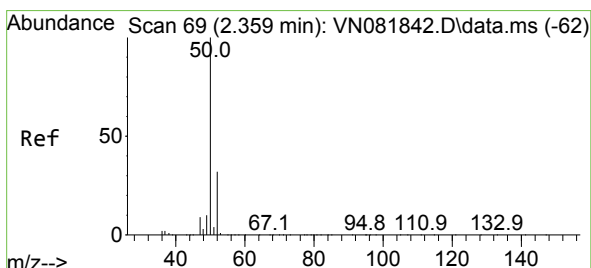
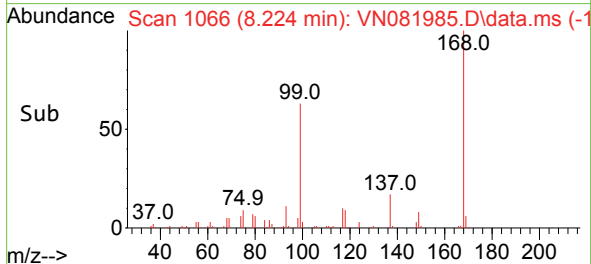
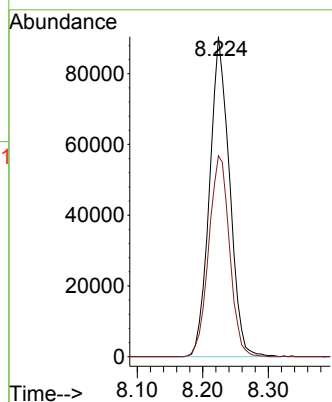
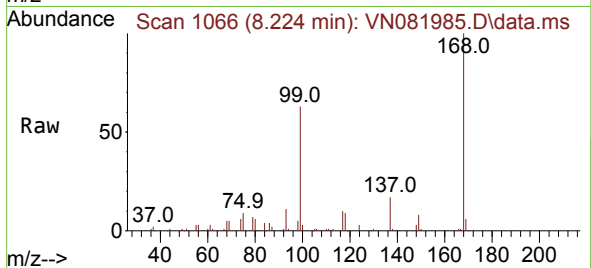
ClientSampleId :

Tgt Ion:168 Resp: 191281

Ion Ratio Lower Upper

168 100

99 62.8 48.2 72.4



#3

Chloromethane

Concen: 0.208 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081985.D

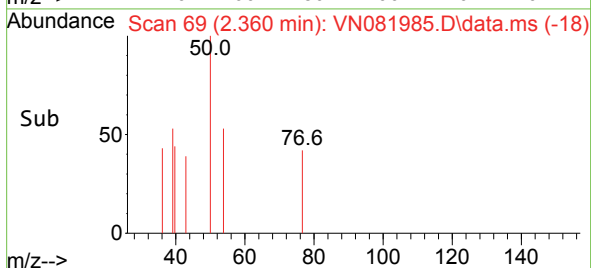
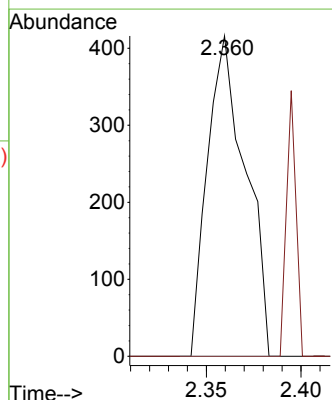
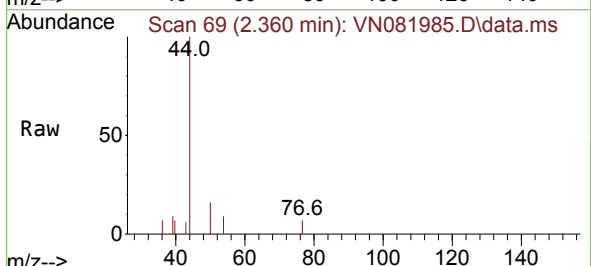
Acq: 03 May 2024 12:12

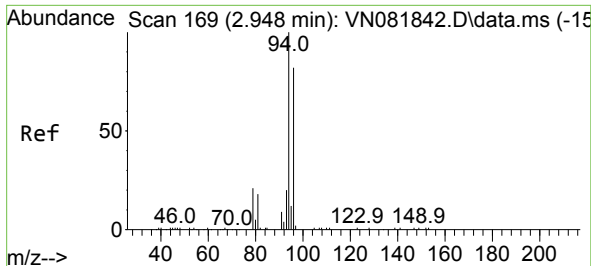
Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

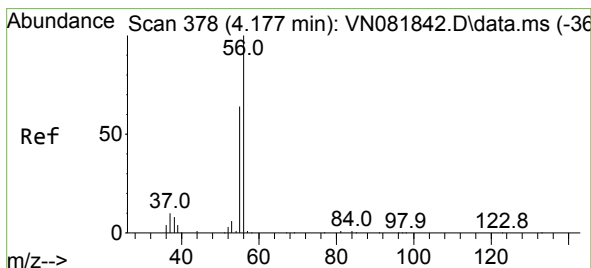
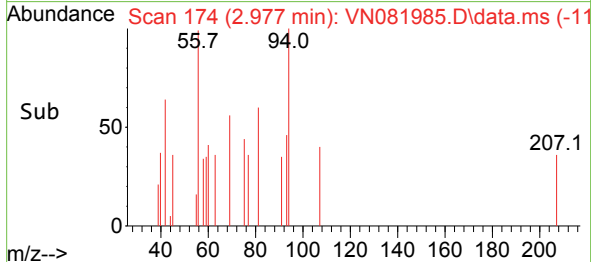
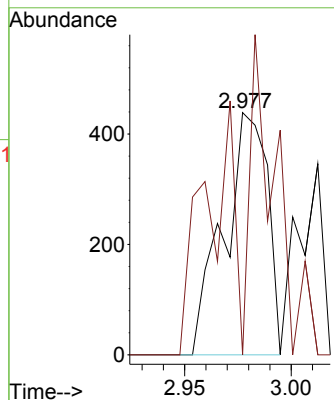
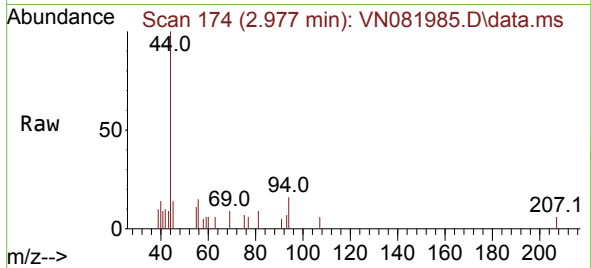




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

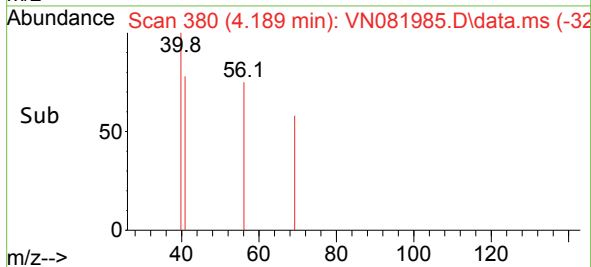
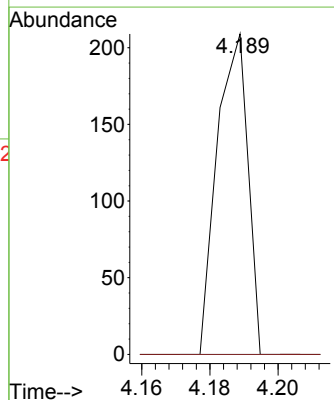
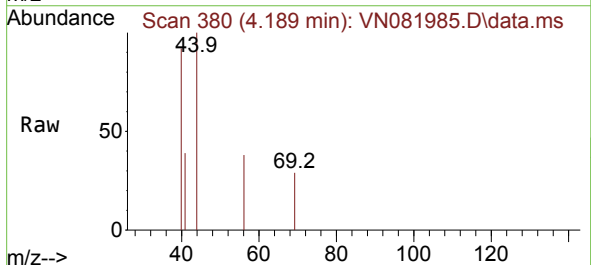
Instrument :
MSVOA_N
ClientSampleId :

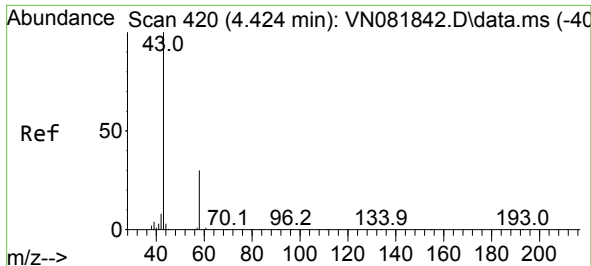
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

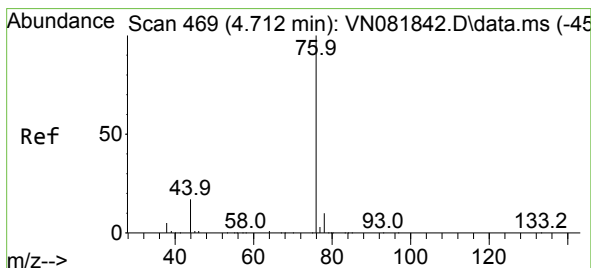
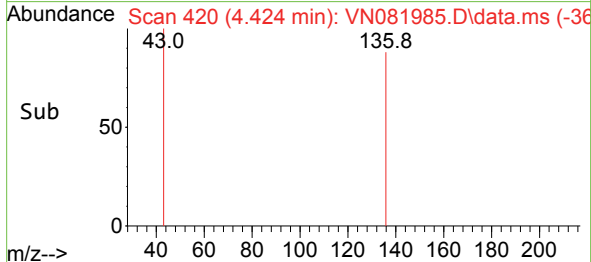
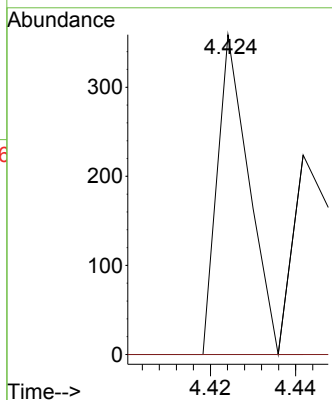
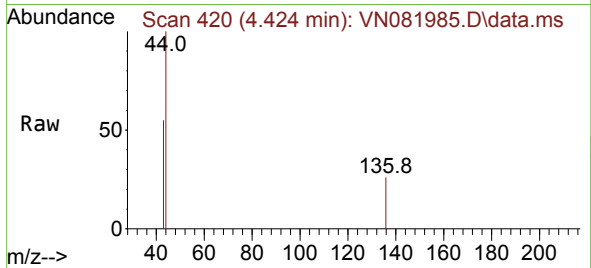




#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

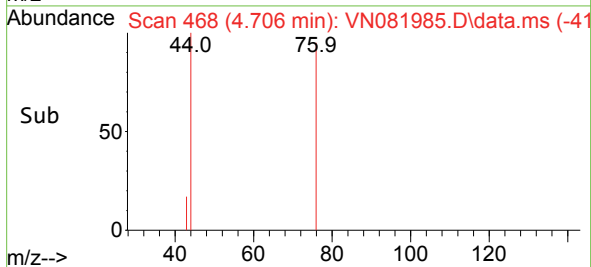
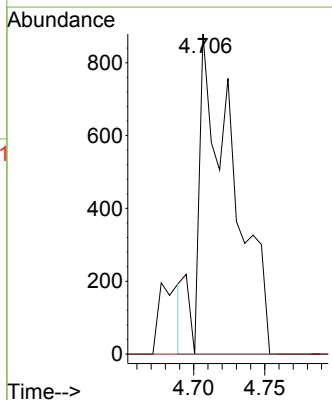
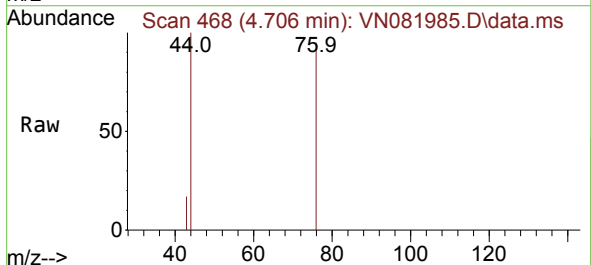
Instrument :
MSVOA_N
ClientSampleId :

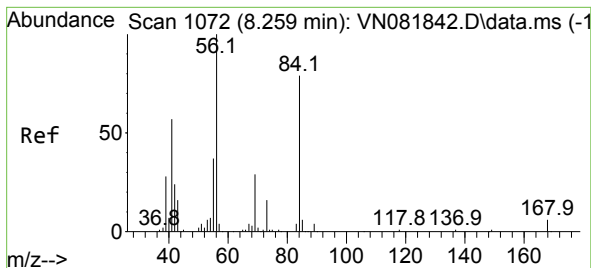
Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

Tgt Ion: 76 Resp: 1495
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

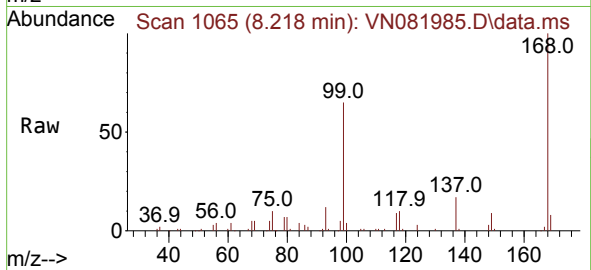
Lab File: VN081985.D

Acq: 03 May 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :



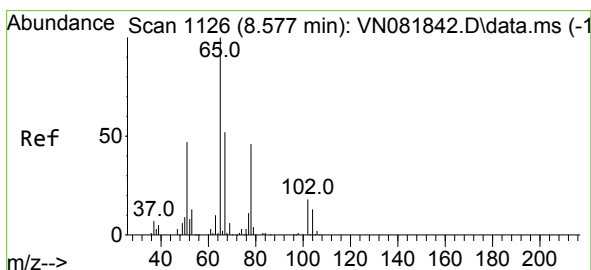
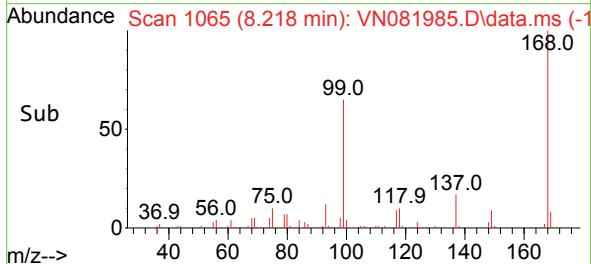
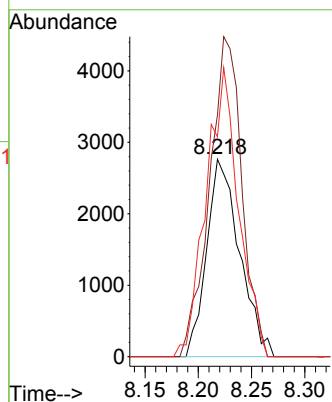
Tgt Ion: 56 Resp: 5947

Ion Ratio Lower Upper

56 100

69 122.4 24.4 36.6#

84 111.3 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 45.975 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081985.D

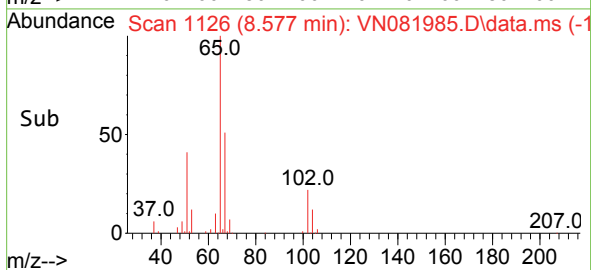
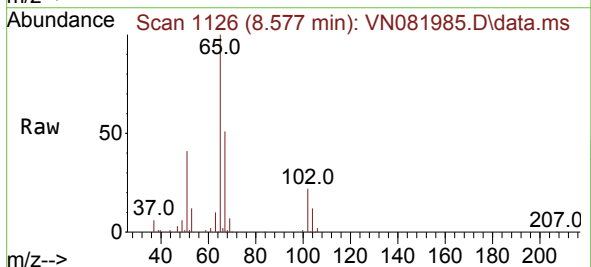
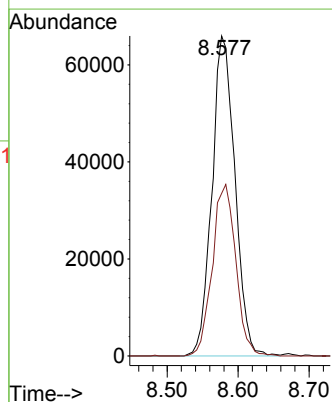
Acq: 03 May 2024 12:12

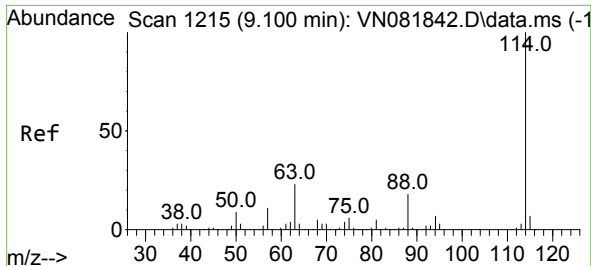
Tgt Ion: 65 Resp: 148421

Ion Ratio Lower Upper

65 100

67 54.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :

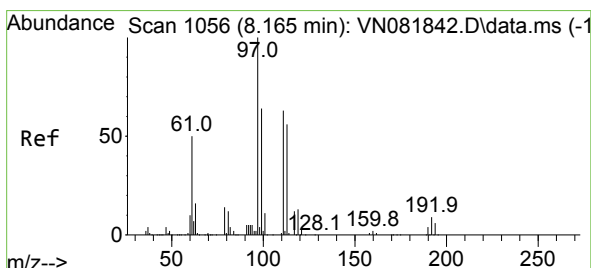
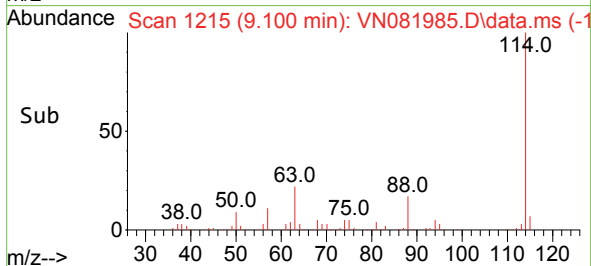
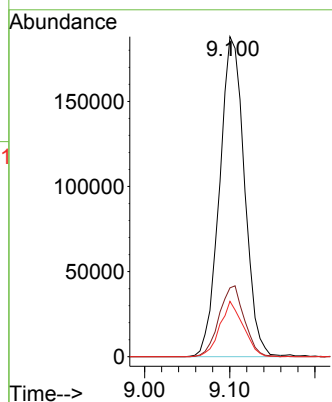
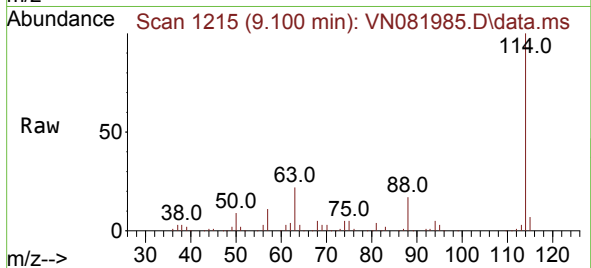
Tgt Ion:114 Resp: 381636

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.0

88 17.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.722 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

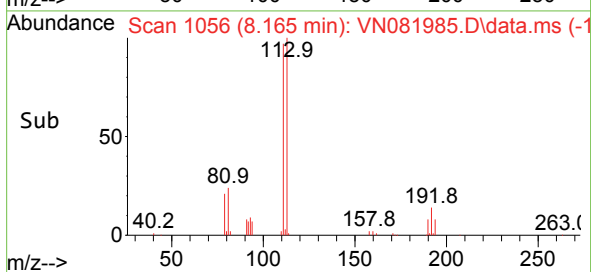
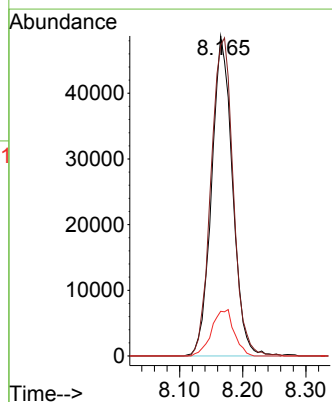
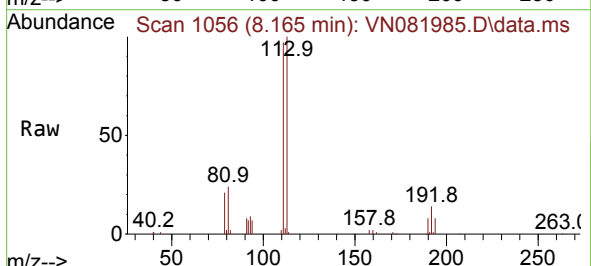
Tgt Ion:113 Resp: 111953

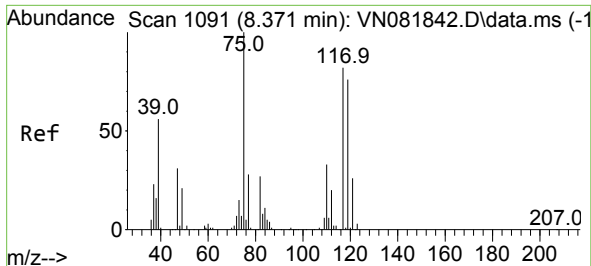
Ion Ratio Lower Upper

113 100

111 105.7 83.4 125.2

192 15.5 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.061 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

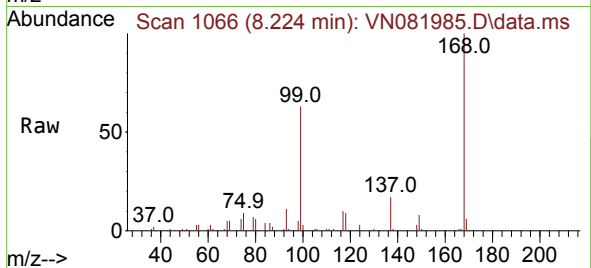
Lab File: VN081985.D

Acq: 03 May 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :



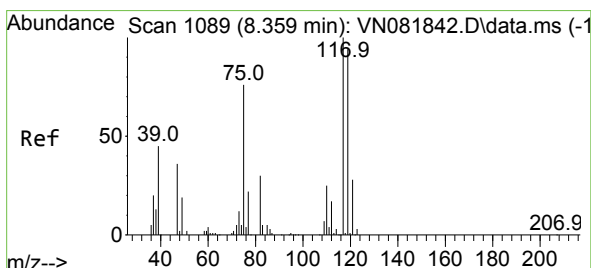
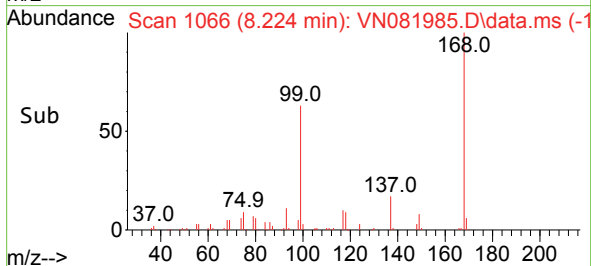
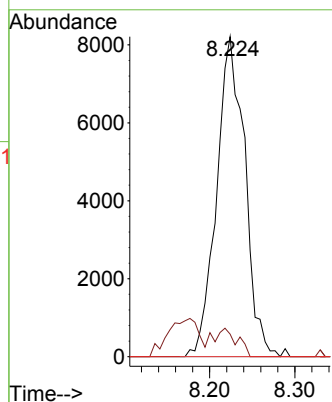
Tgt Ion: 75 Resp: 18918

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.338 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

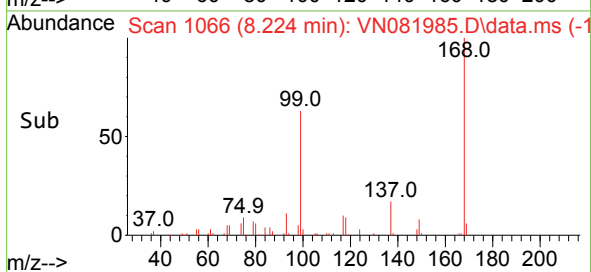
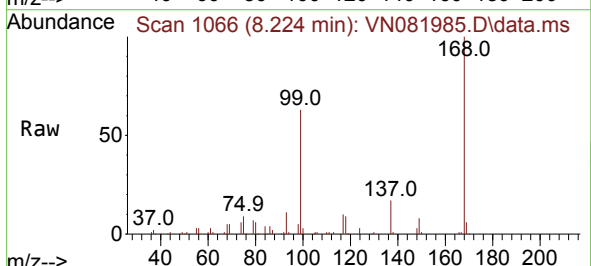
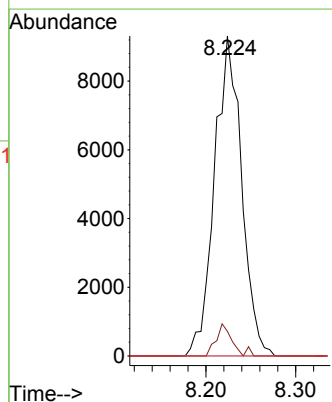
Tgt Ion: 117 Resp: 19503

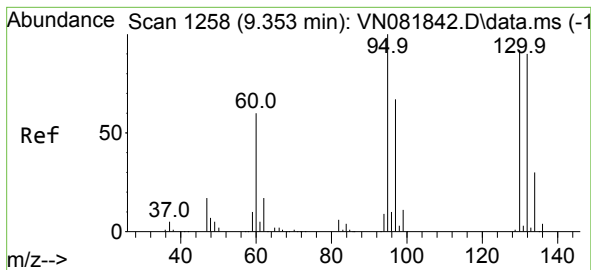
Ion Ratio Lower Upper

117 100

119 7.7 76.5 114.7#

121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 0.265 ug/l

RT: 9.353 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

Instrument :

MSVOA_N

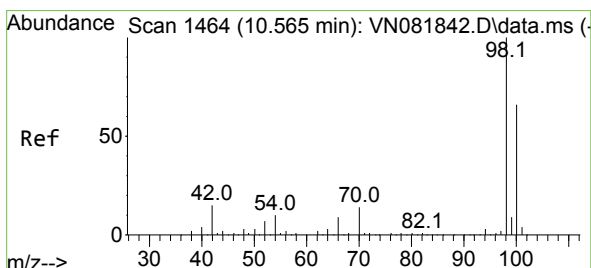
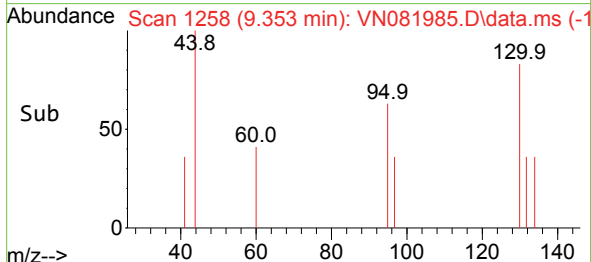
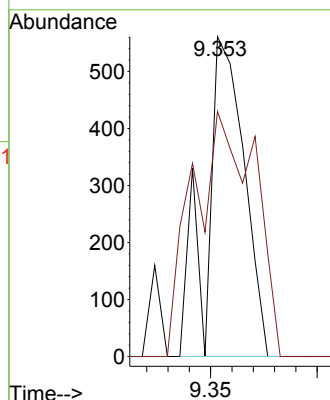
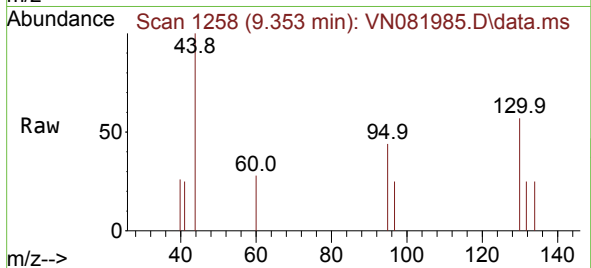
ClientSampleId :

Tgt Ion:130 Resp: 686

Ion Ratio Lower Upper

130 100

95 76.6 0.0 195.4



#50

Toluene-d8

Concen: 53.031 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081985.D

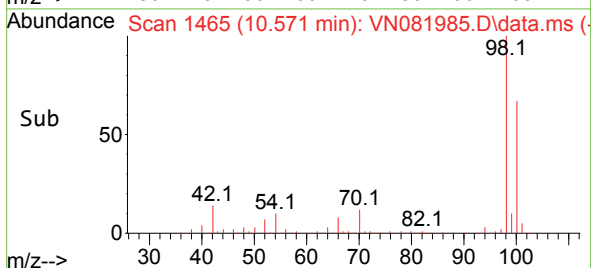
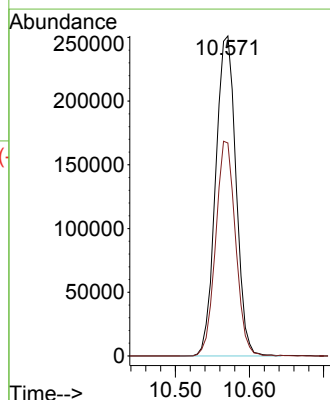
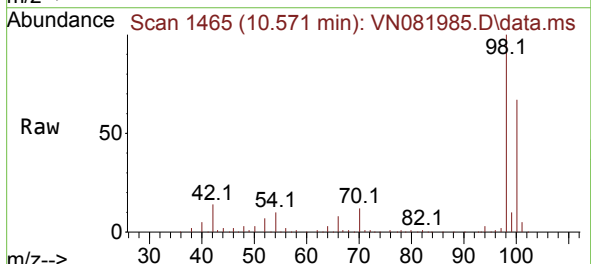
Acq: 03 May 2024 12:12

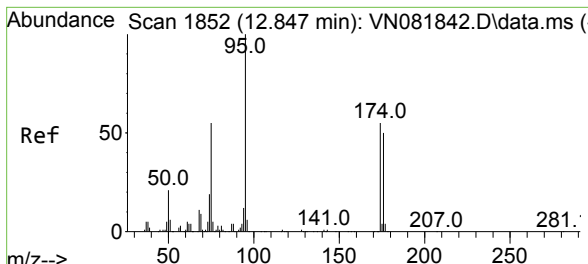
Tgt Ion: 98 Resp: 478575

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6

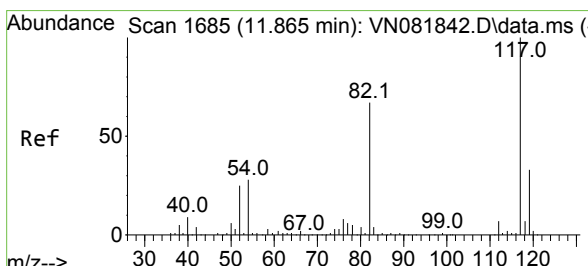
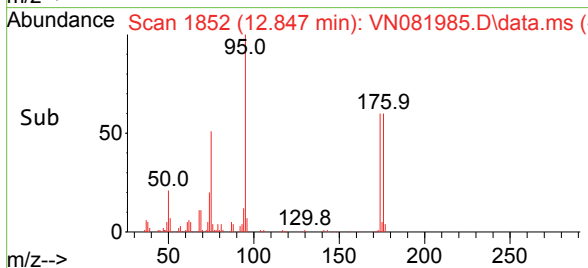
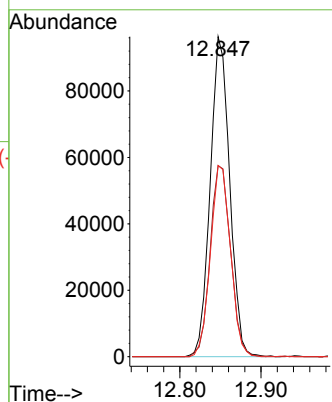
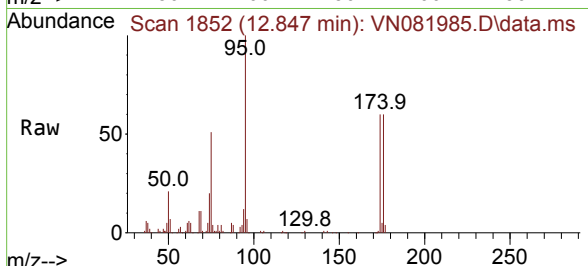




#62
4-Bromofluorobenzene
Concen: 45.035 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

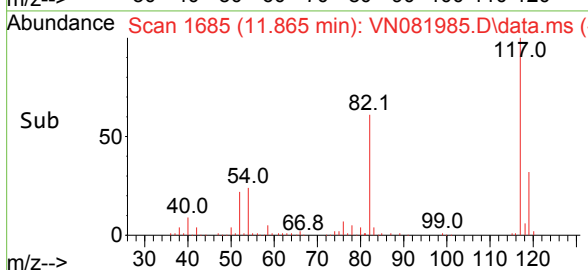
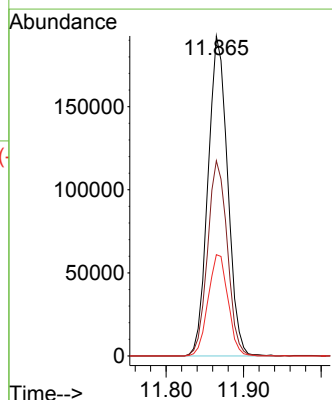
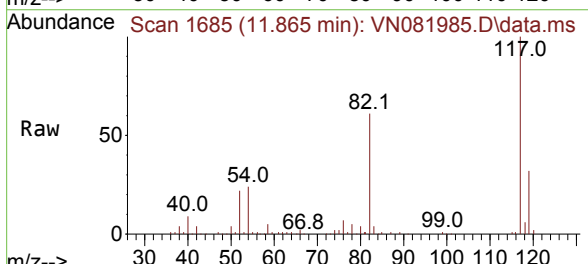
Instrument :
MSVOA_N
ClientSampleId :

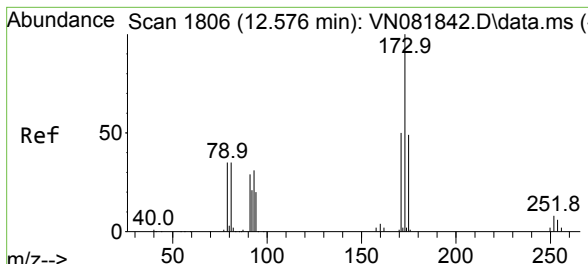
Tgt Ion: 95 Resp: 160656
Ion Ratio Lower Upper
95 100
174 62.7 0.0 160.6
176 61.3 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081985.D
Acq: 03 May 2024 12:12

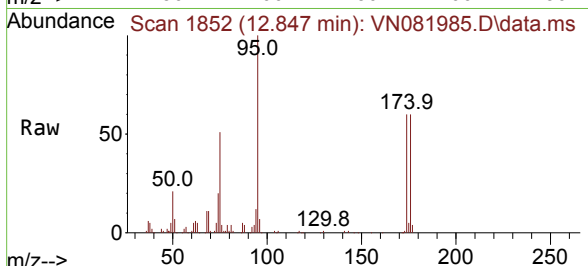
Tgt Ion: 117 Resp: 338642
Ion Ratio Lower Upper
117 100
82 61.0 44.6 66.8
119 31.7 25.9 38.9





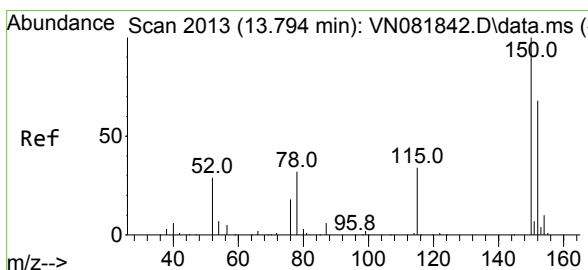
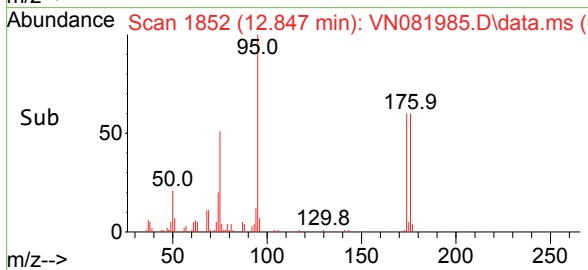
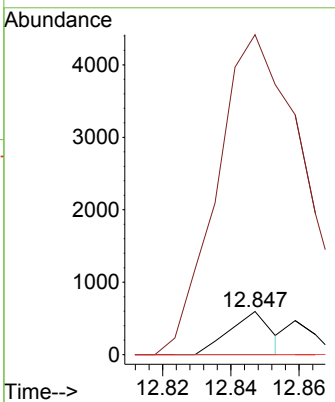
#71
 Bromoform
 Concen: 0.268 ug/l
 RT: 12.847 min Scan# 1806
 Delta R.T. 0.271 min
 Lab File: VN081985.D
 Acq: 03 May 2024 12:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:173 Resp: 507

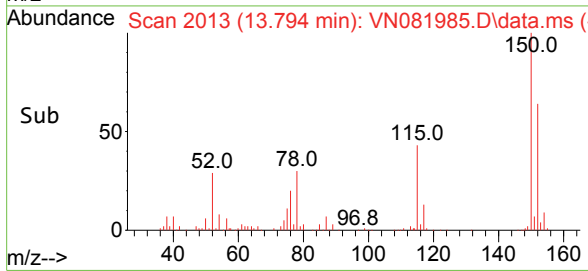
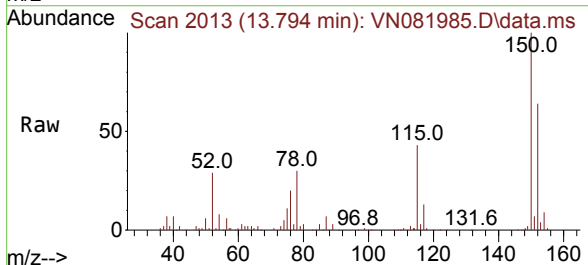
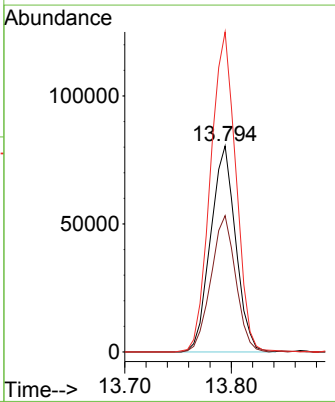
Ion	Ratio	Lower	Upper
173	100		
175	1086.8	24.6	74.0#
254	0.0	0.0	0.0

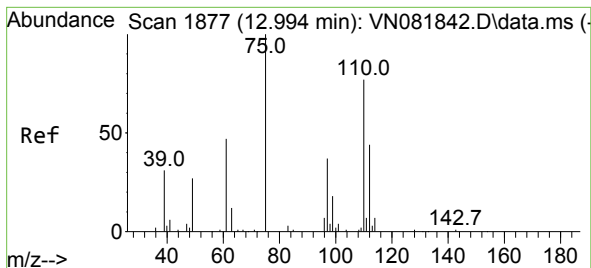


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081985.D
 Acq: 03 May 2024 12:12

Tgt Ion:152 Resp: 131496

Ion	Ratio	Lower	Upper
152	100		
115	65.3	30.4	91.3
150	157.6	0.0	353.2





#76

1,2,3-Trichloropropane

Concen: 26.132 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

Instrument :

MSVOA_N

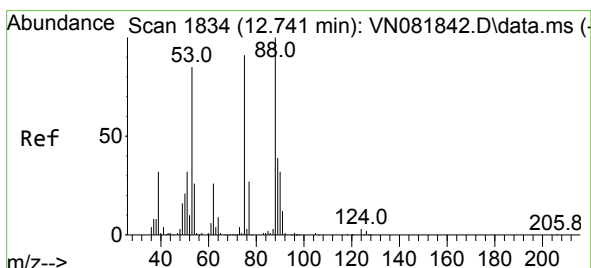
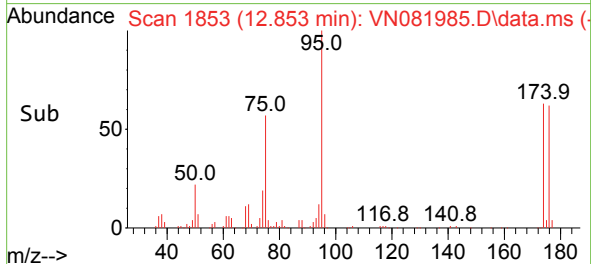
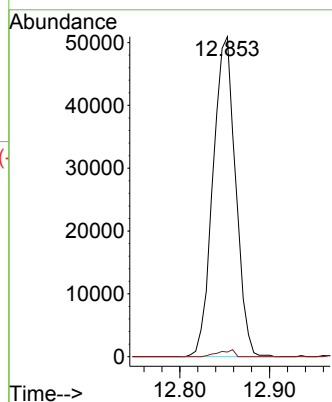
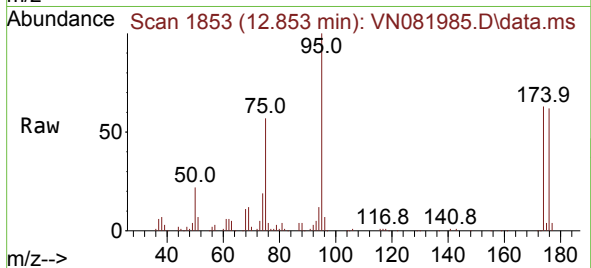
ClientSampleId :

Tgt Ion: 75 Resp: 89095

Ion Ratio Lower Upper

75 100

77 1.5 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.548 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081985.D

Acq: 03 May 2024 12:12

Tgt Ion: 75 Resp: 89095

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.1 39.1 58.7#

