

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
 Data File : VN081964.D
 Acq On : 01 May 2024 18:15
 Operator : JC\MD
 Sample : P2329-01DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 02 01:49:45 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)

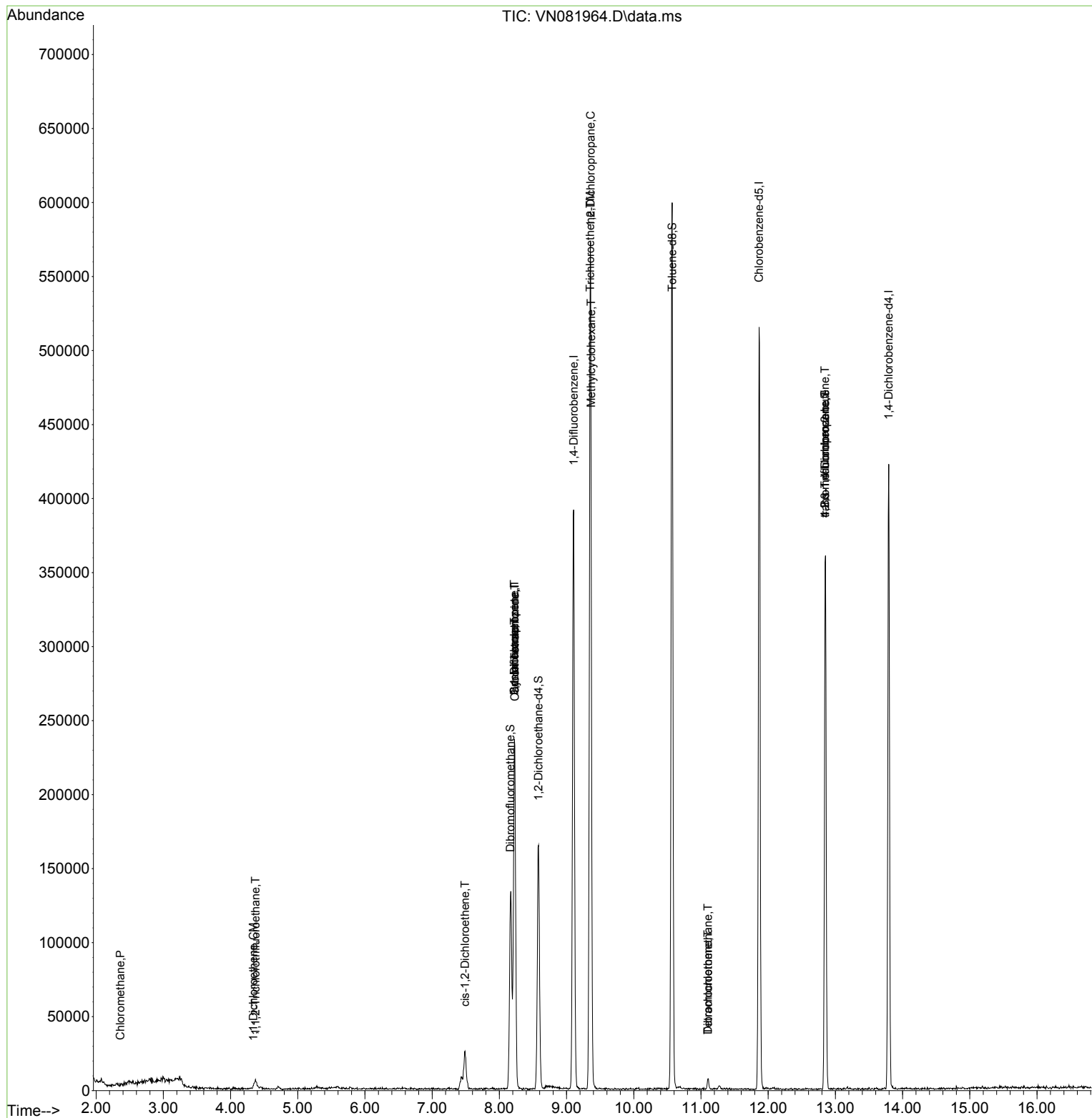
Internal Standards						
1) Pentafluorobenzene	8.224	168	162529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130951	47.739	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.480%
35) Dibromofluoromethane	8.165	113	100043	49.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.571	98	403752	51.156	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.320%
62) 4-Bromofluorobenzene	12.847	95	132696	42.532	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	85.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	781	0.328	ug/l	97
5) Bromomethane	2.977	94	664	Below Cal		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	3403	1.759	ug/l #	60
12) 1,1-Dichloroethene	4.342	96	400	0.203	ug/l #	37
13) Acrolein	4.171	56	81	Below Cal	#	10
16) Acetone	4.424	43	730	Below Cal	#	43
27) cis-1,2-Dichloroethene	7.488	96	14719	5.869	ug/l	99
31) Cyclohexane	8.224	56	5289	1.280	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	16569	5.068	ug/l #	46
38) Carbon Tetrachloride	8.229	117	18792	5.881	ug/l #	17
39) Methylcyclohexane	9.365	83	1895	0.477	ug/l #	37
44) Trichloroethene	9.353	130	197332	87.208	ug/l	89
45) 1,2-Dichloropropane	9.359	63	519	0.202	ug/l #	1
60) Dibromochloromethane	11.106	129	1554	0.635	ug/l #	11
64) Tetrachloroethene	11.106	164	1453	0.694	ug/l #	78
76) 1,2,3-Trichloropropane	12.847	75	71785	25.614	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71785	52.486	ug/l #	12

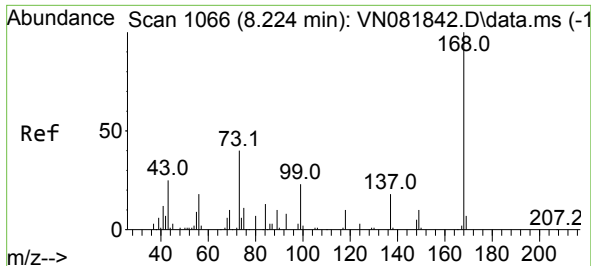
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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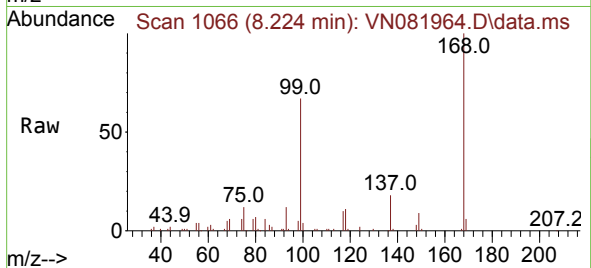
Quant Time: May 02 01:49:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
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QLast Update : Fri Apr 26 05:26:49 2024
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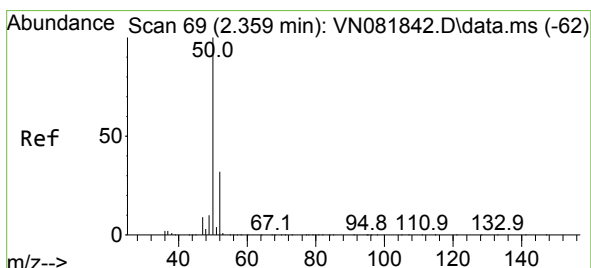
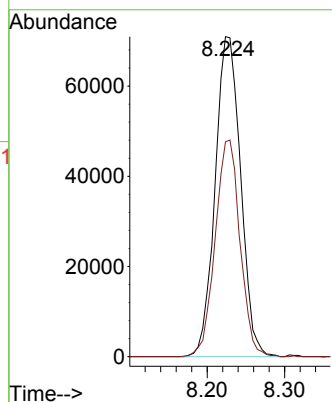
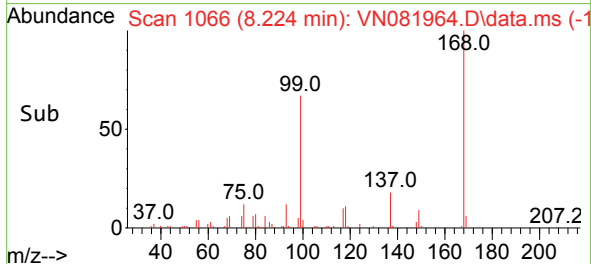


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

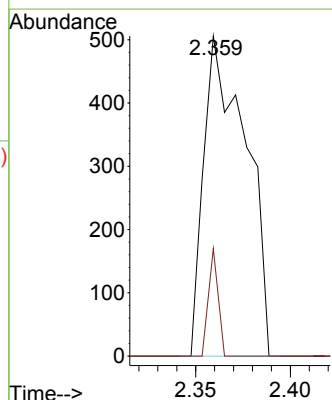
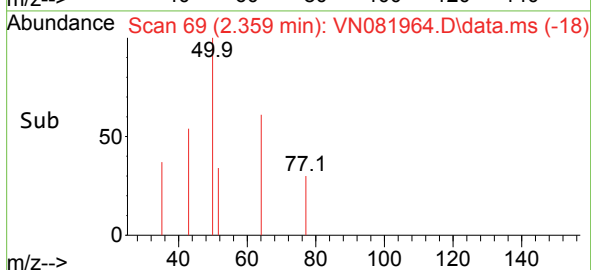
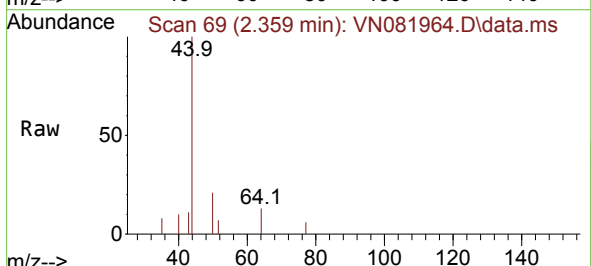


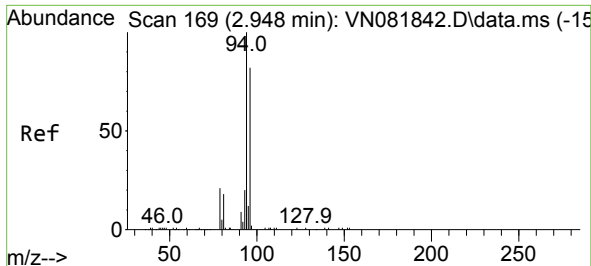
Tgt Ion:168 Resp: 162529
Ion Ratio Lower Upper
168 100
99 67.2 48.2 72.4



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Tgt Ion: 50 Resp: 781
Ion Ratio Lower Upper
50 100
52 33.6 25.5 38.3

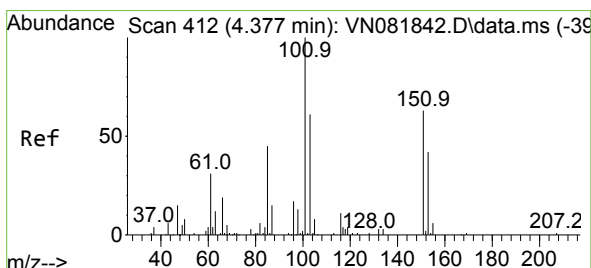
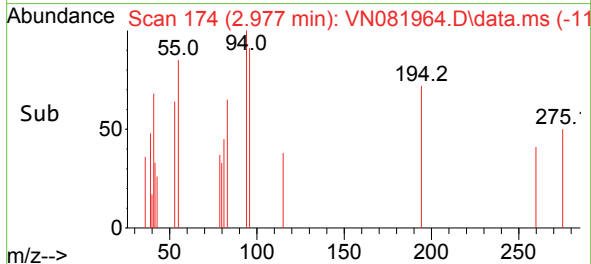
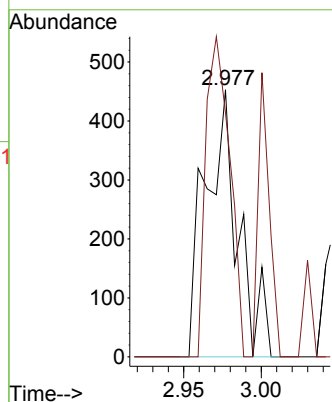
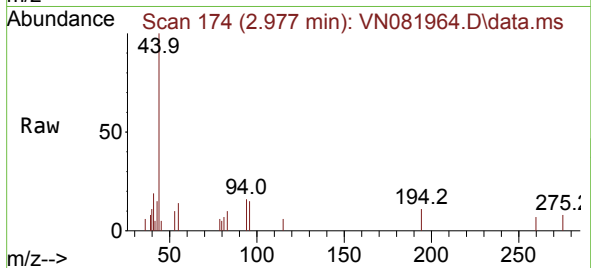




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

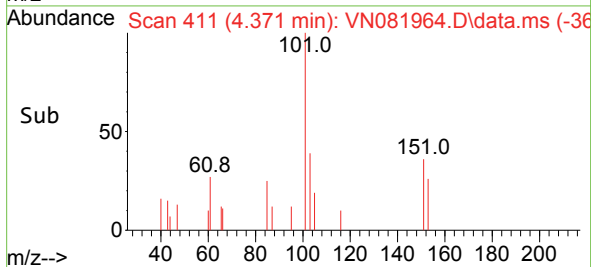
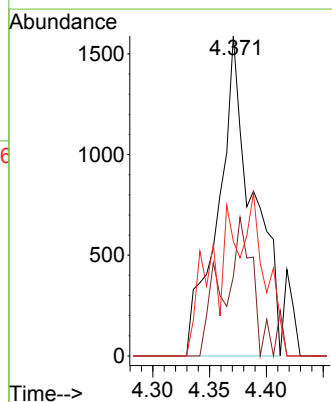
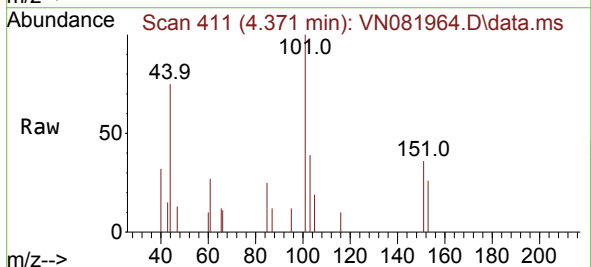
Instrument :
MSVOA_N
ClientSampleId :

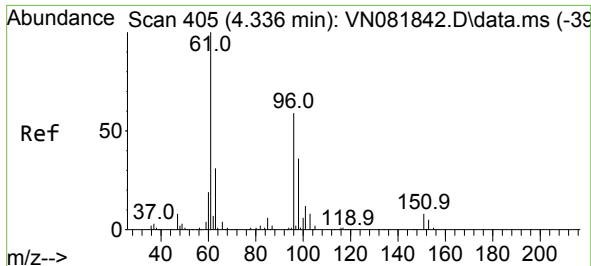
Tgt Ion: 94 Resp: 664
Ion Ratio Lower Upper
94 100
96 91.4 74.8 112.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.759 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Tgt Ion: 101 Resp: 3403
Ion Ratio Lower Upper
101 100
85 23.2 37.3 55.9#
151 37.3 59.2 88.8#

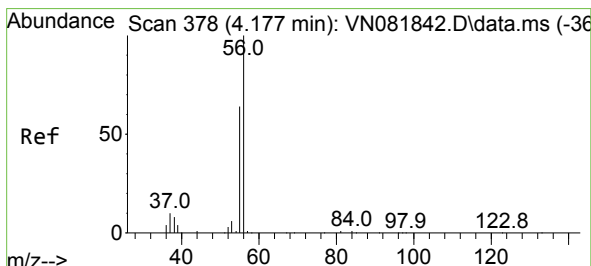
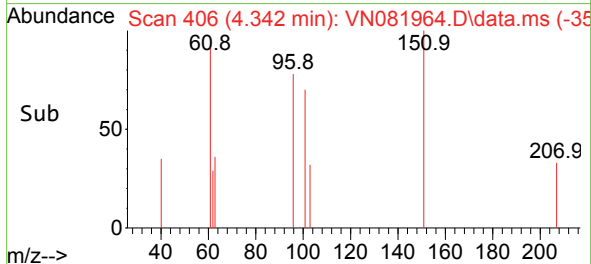
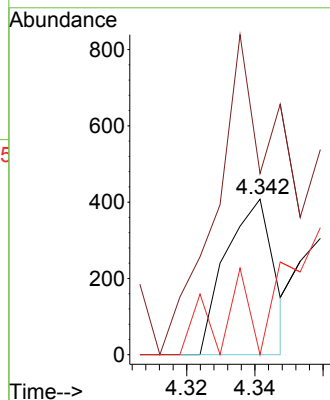
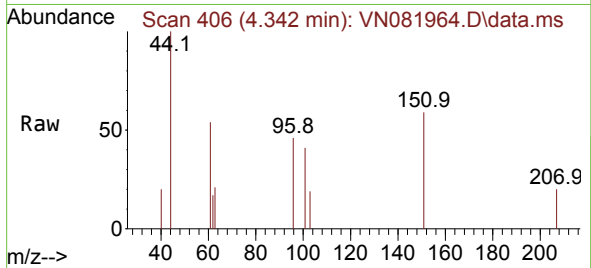




#12
1,1-Dichloroethene
Concen: 0.203 ug/l
RT: 4.342 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

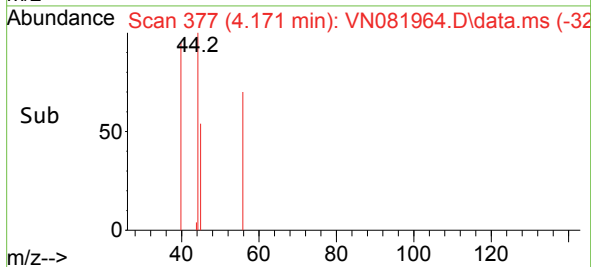
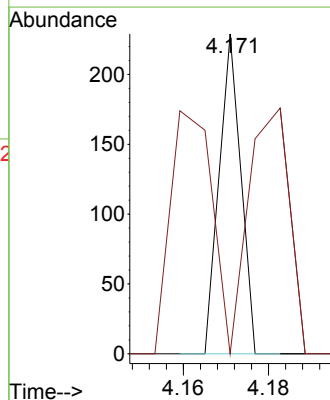
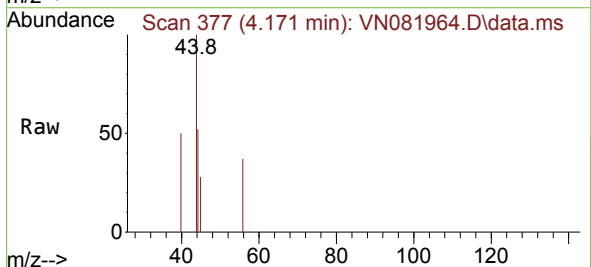
Instrument :
MSVOA_N
ClientSampleId :

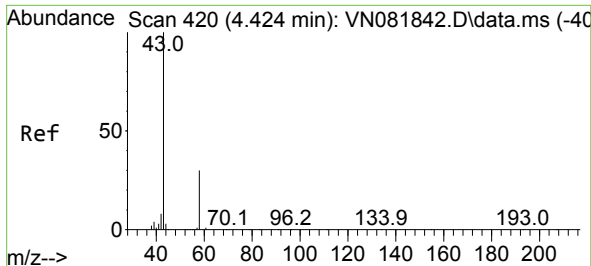
Tgt Ion: 96 Resp: 400
Ion Ratio Lower Upper
96 100
61 79.4 119.7 179.5#
98 0.0 49.6 74.4#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 143.2 55.8 83.8#

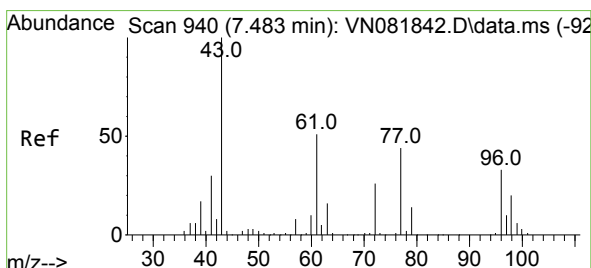
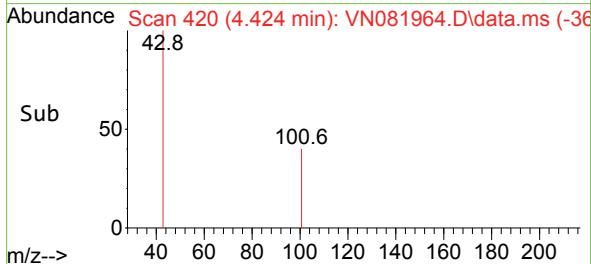
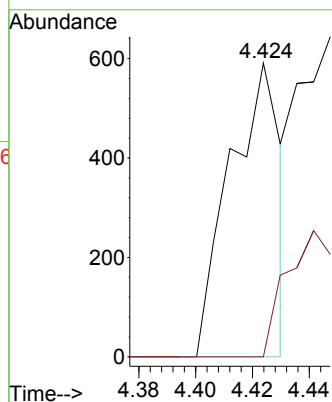
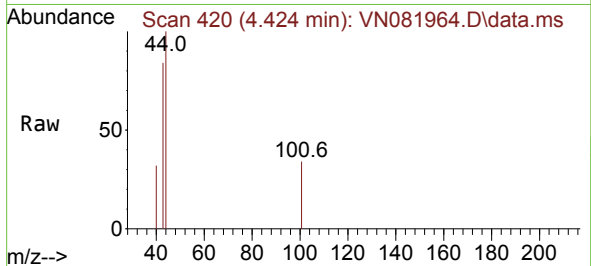




#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

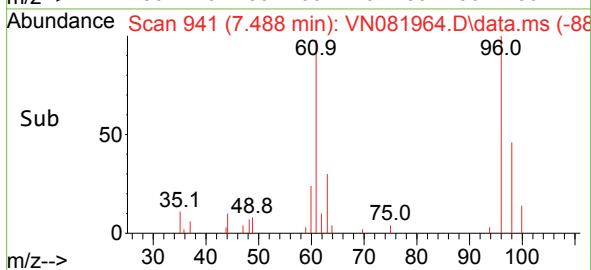
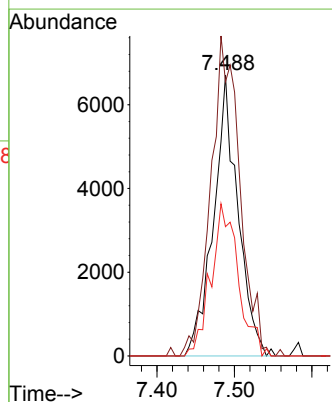
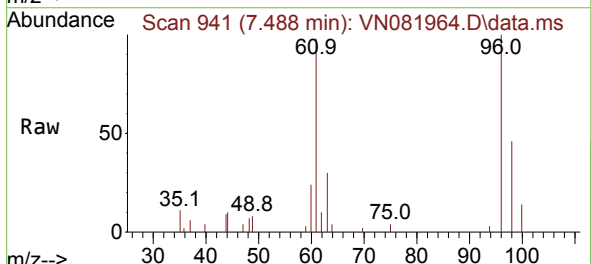
Instrument :
MSVOA_N
ClientSampleId :

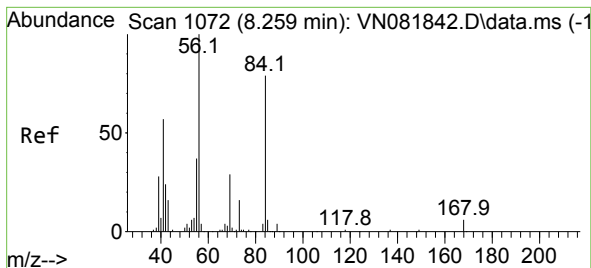
Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#27
cis-1,2-Dichloroethene
Concen: 5.869 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Tgt Ion: 96 Resp: 14719
Ion Ratio Lower Upper
96 100
61 134.7 0.0 268.0
98 60.8 0.0 126.8





#31

Cyclohexane

Concen: 1.280 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

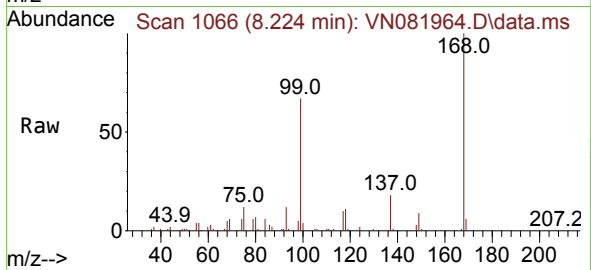
Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :



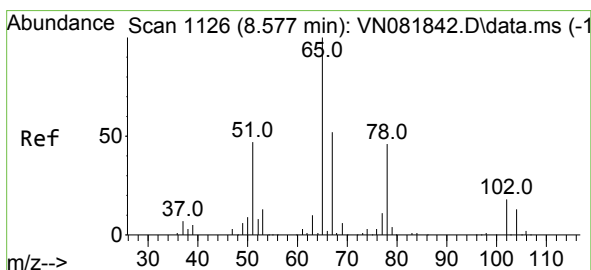
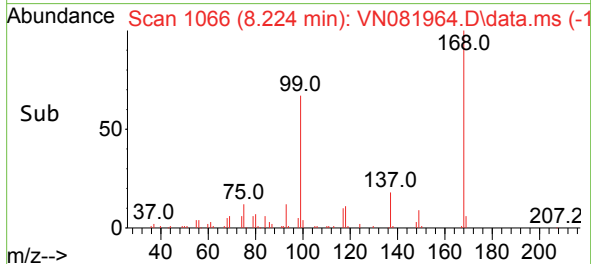
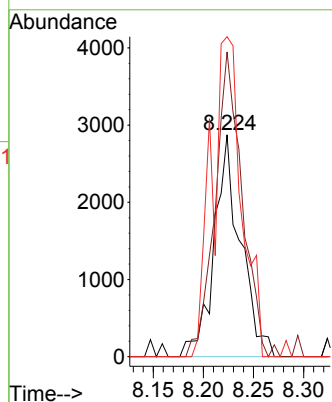
Tgt Ion: 56 Resp: 5289

Ion Ratio Lower Upper

56 100

69 137.4 24.4 36.6#

84 144.2 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 47.739 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081964.D

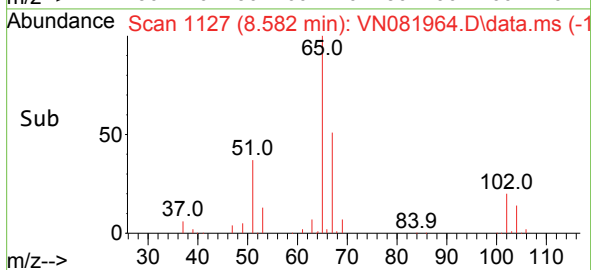
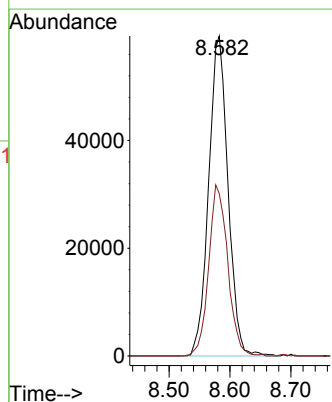
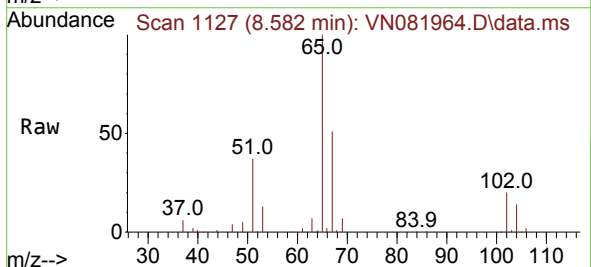
Acq: 01 May 2024 18:15

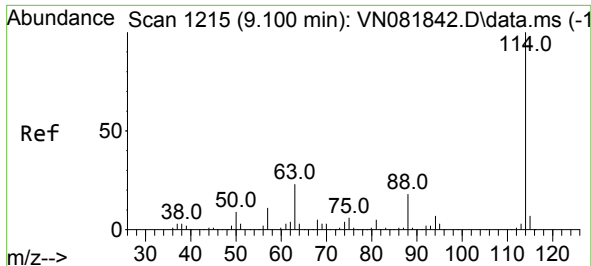
Tgt Ion: 65 Resp: 130951

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

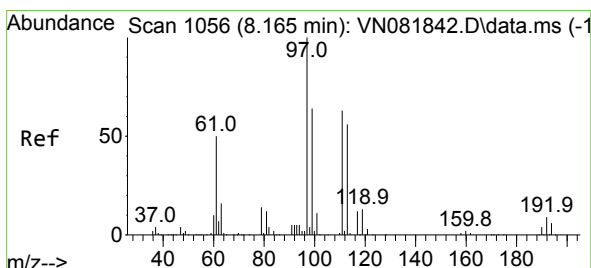
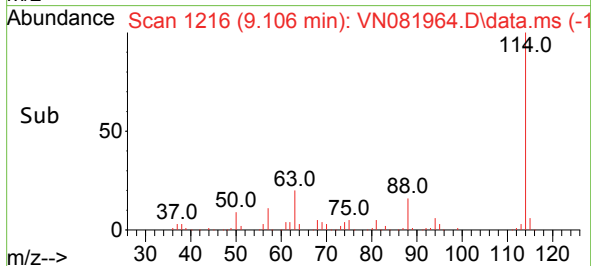
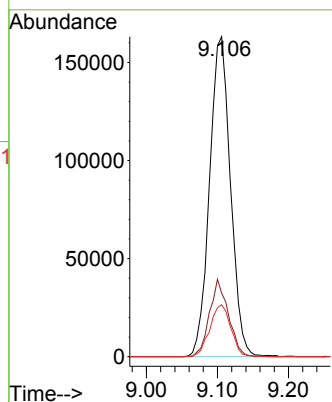
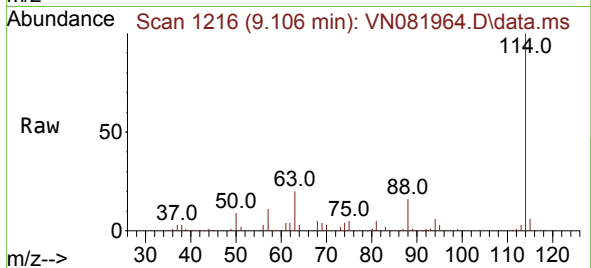
Tgt Ion:114 Resp: 333770

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.783 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

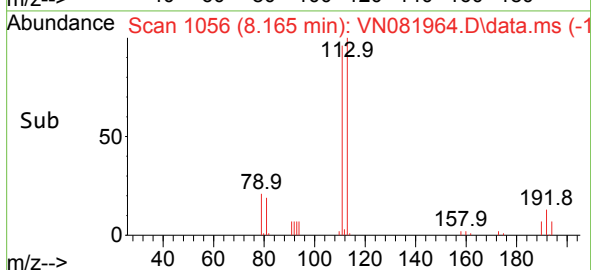
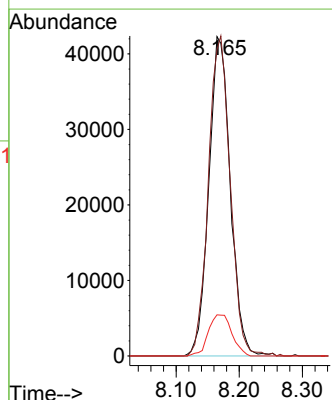
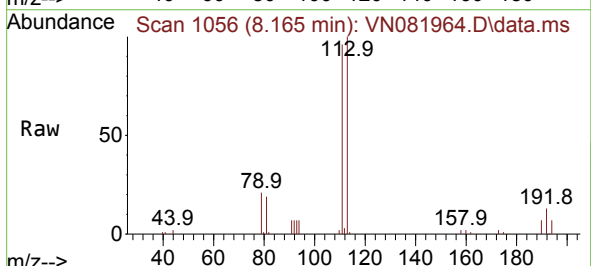
Tgt Ion:113 Resp: 100043

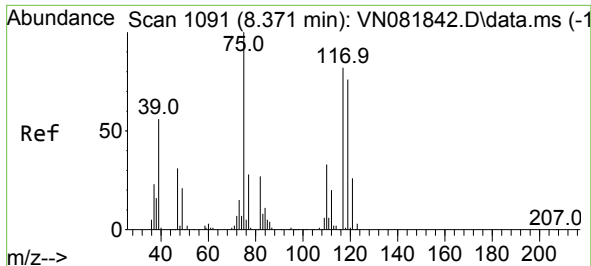
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 14.1 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

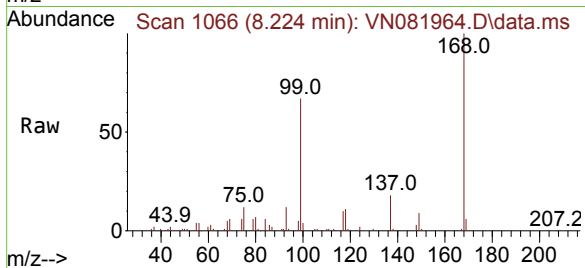
Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :



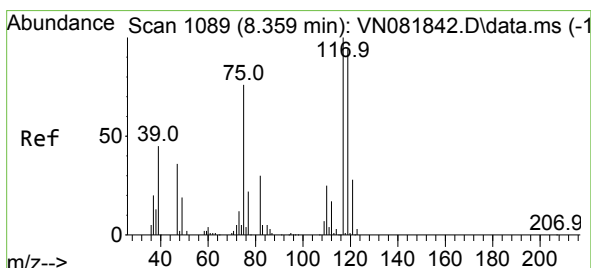
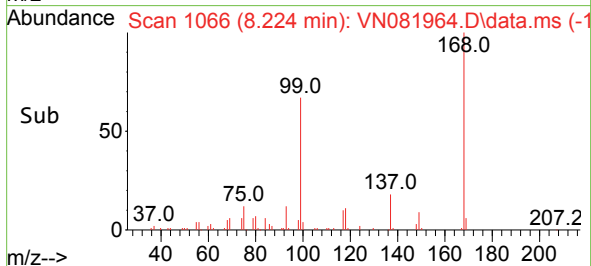
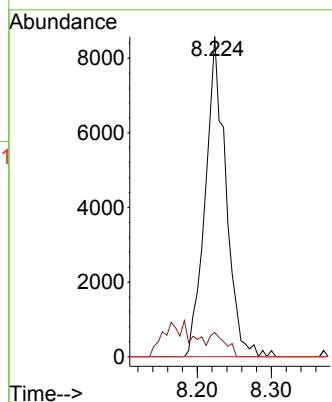
Tgt Ion: 75 Resp: 16569

Ion Ratio Lower Upper

75 100

110 5.9 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.881 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

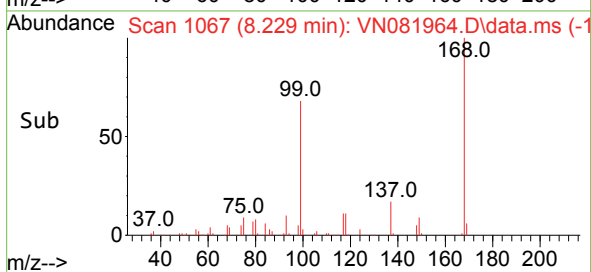
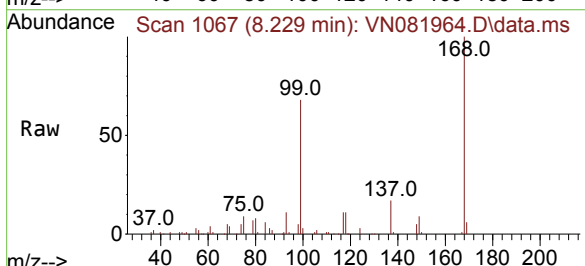
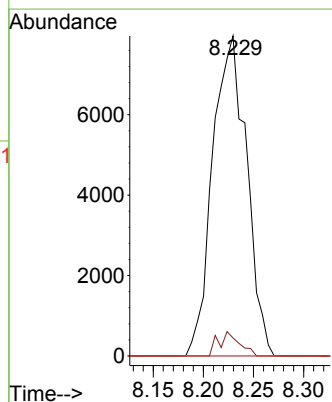
Tgt Ion: 117 Resp: 18792

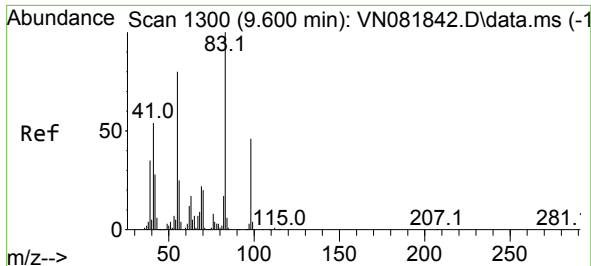
Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.477 ug/l

RT: 9.365 min Scan# 11

Delta R.T. -0.235 min

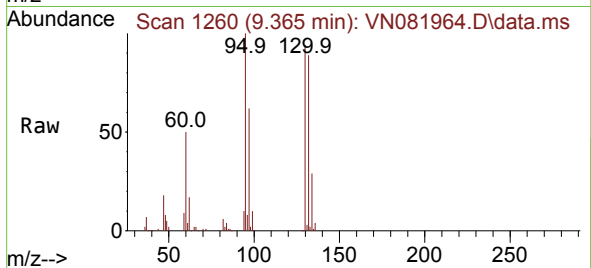
Lab File: VN081964.D

Acq: 01 May 2024 18:15

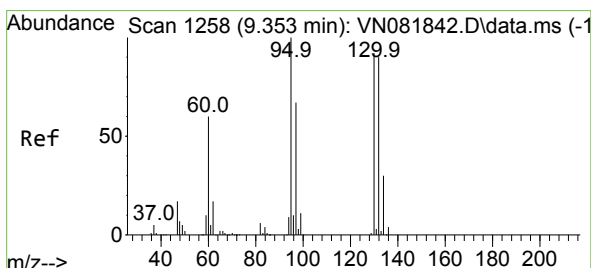
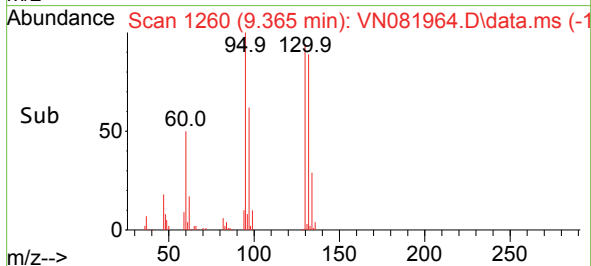
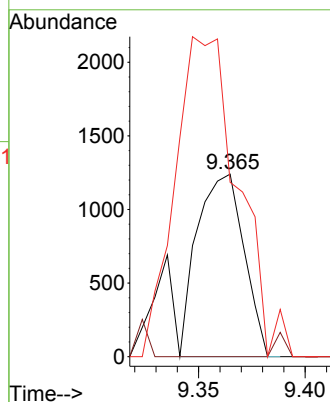
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	1895
Ion	Ratio	Lower	Upper
83	100		
55	0.0	53.0	79.6#
98	69.7	37.1	55.7#



#44

Trichloroethene

Concen: 87.208 ug/l

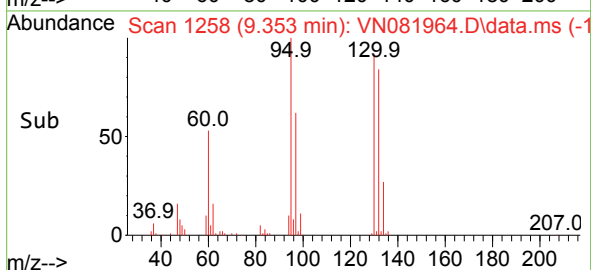
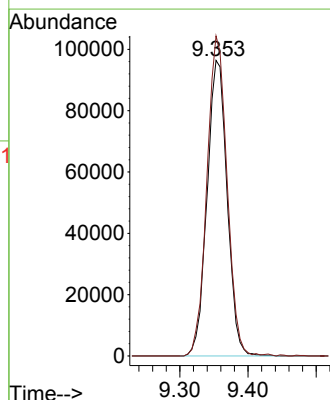
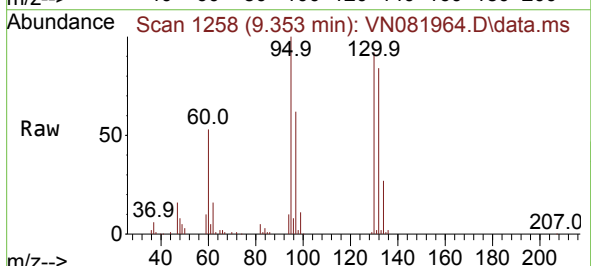
RT: 9.353 min Scan# 1258

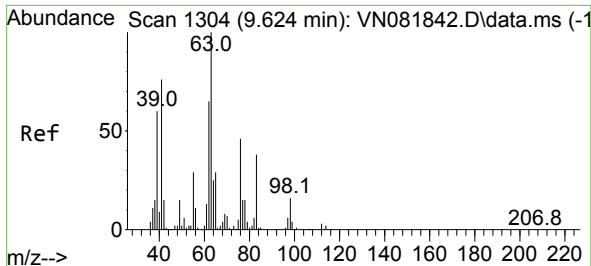
Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Tgt Ion:	130	Resp:	197332
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	195.4

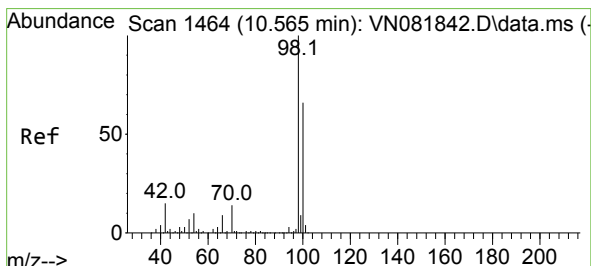
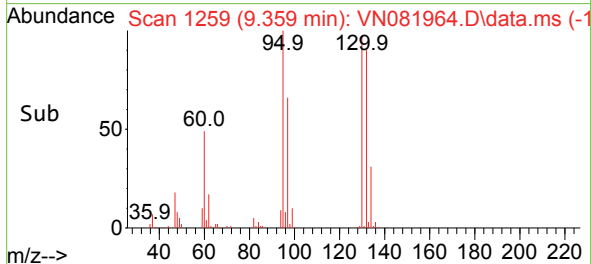
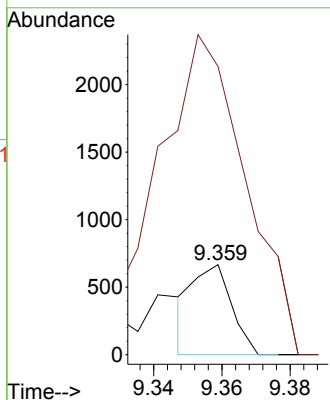
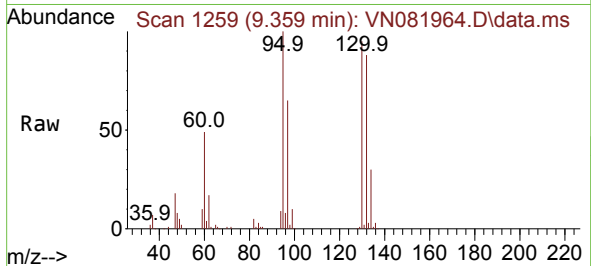




#45
1,2-Dichloropropane
Concen: 0.202 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

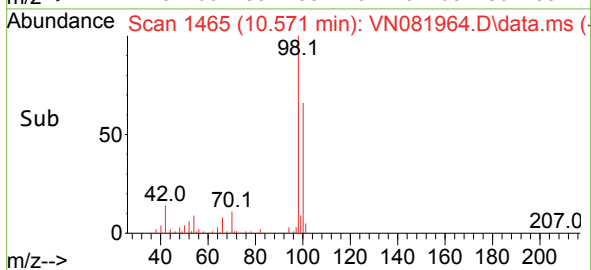
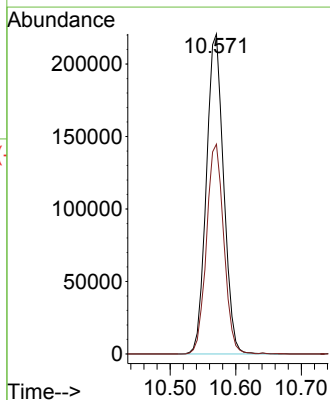
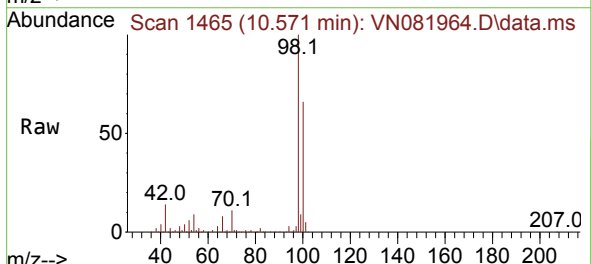
Instrument :
MSVOA_N
ClientSampleId :

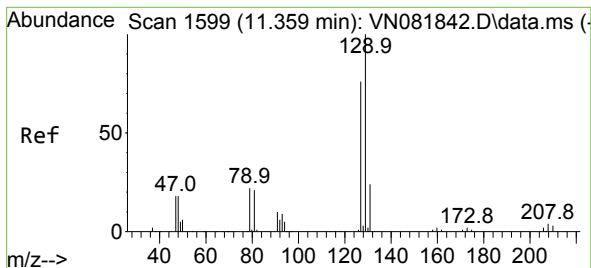
Tgt Ion: 63 Resp: 519
Ion Ratio Lower Upper
63 100
65 211.1 24.1 36.1#



#50
Toluene-d8
Concen: 51.156 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081964.D
Acq: 01 May 2024 18:15

Tgt Ion: 98 Resp: 403752
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6





#60

Dibromochloromethane

Concen: 0.635 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

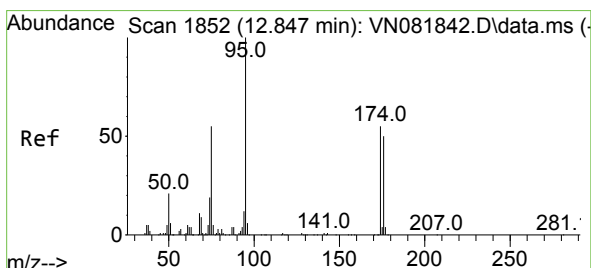
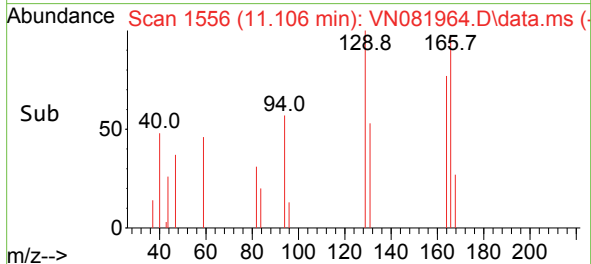
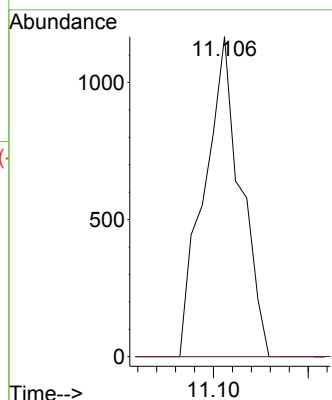
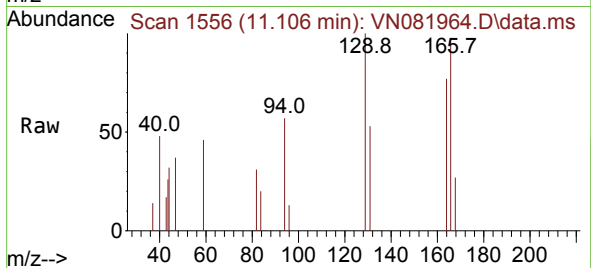
ClientSampleId :

Tgt Ion:129 Resp: 1554

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



#62

4-Bromofluorobenzene

Concen: 42.532 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

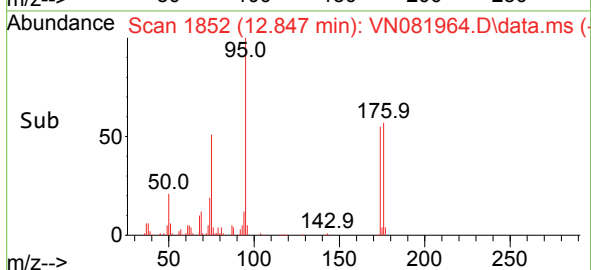
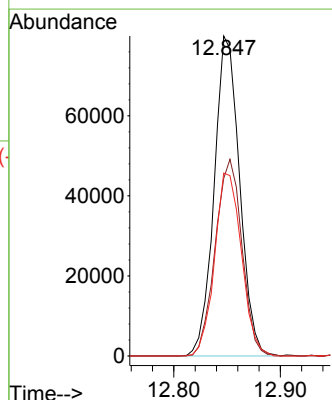
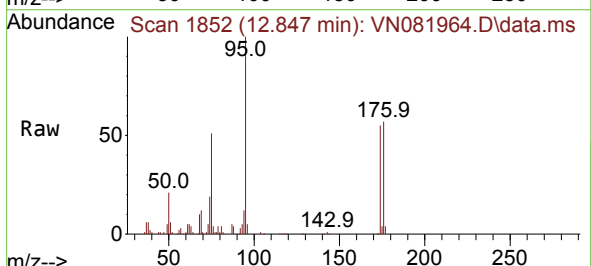
Tgt Ion: 95 Resp: 132696

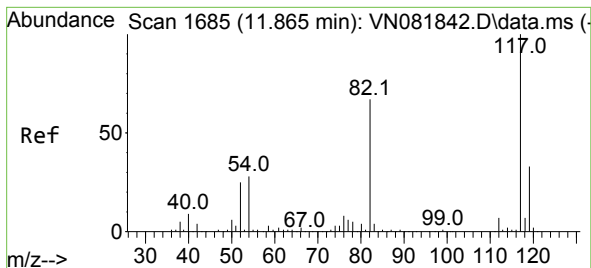
Ion Ratio Lower Upper

95 100

174 64.5 0.0 160.6

176 60.4 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

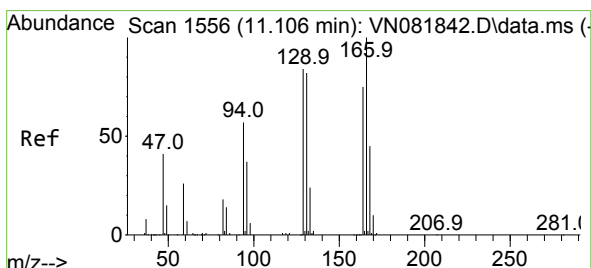
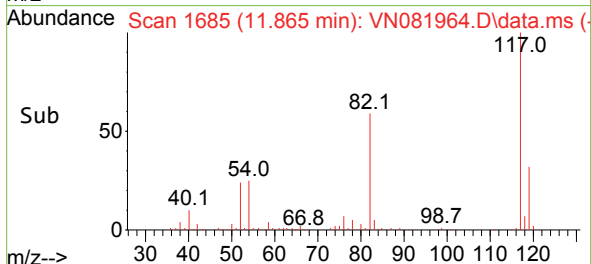
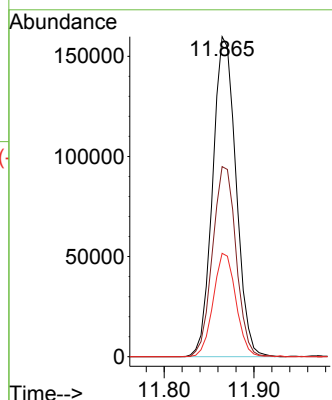
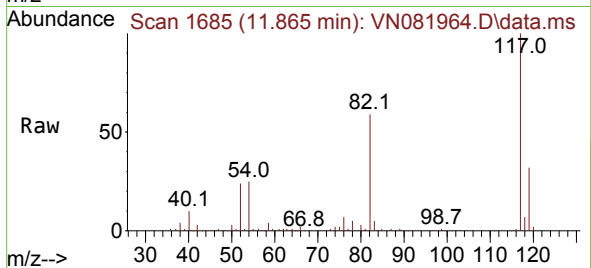
Tgt Ion:117 Resp: 288464

Ion Ratio Lower Upper

117 100

82 59.4 44.6 66.8

119 32.3 25.9 38.9



#64

Tetrachloroethene

Concen: 0.694 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Tgt Ion:164 Resp: 1453

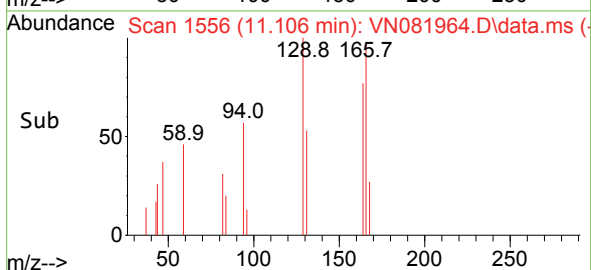
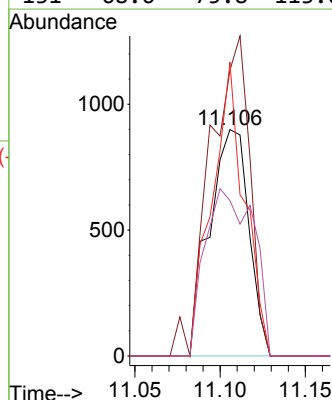
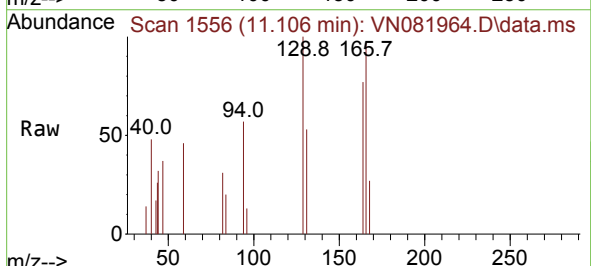
Ion Ratio Lower Upper

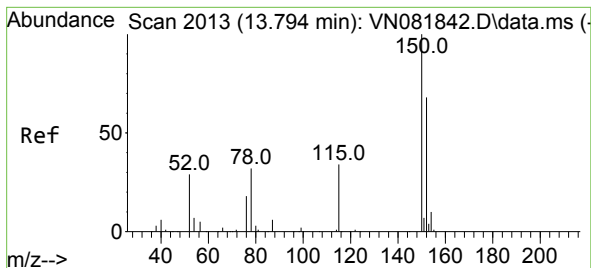
164 100

166 126.3 97.6 146.4

129 129.8 73.7 110.5#

131 68.6 75.8 113.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081964.D

Acq: 01 May 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

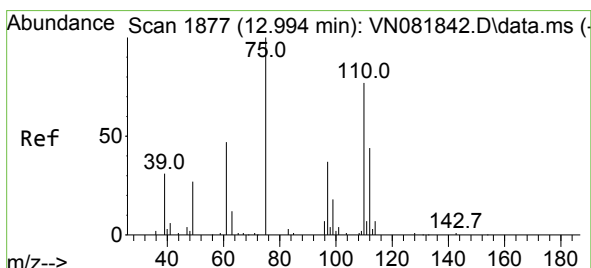
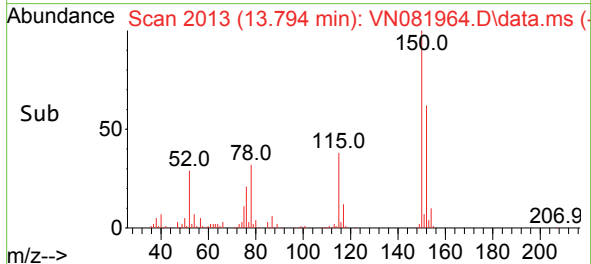
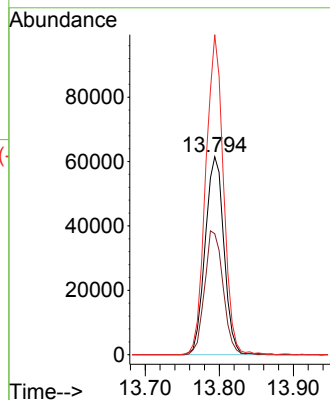
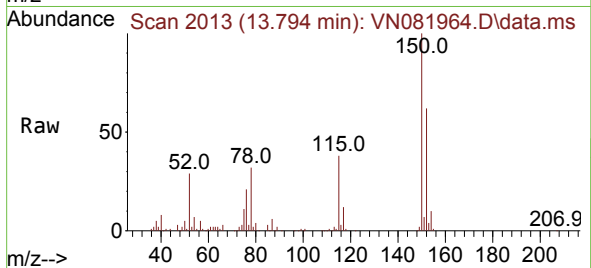
Tgt Ion:152 Resp: 108092

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 152.6 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 25.614 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081964.D

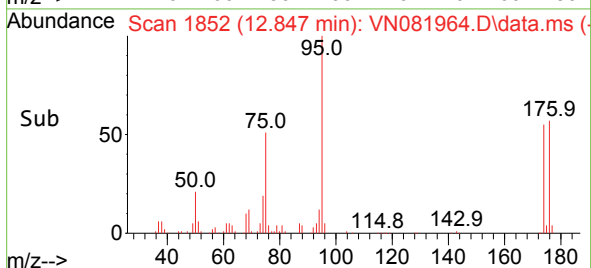
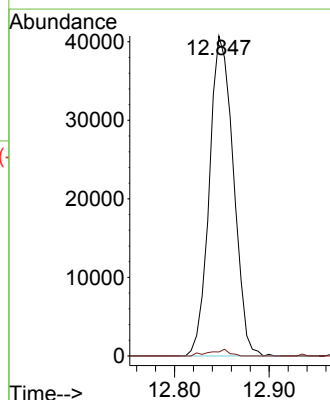
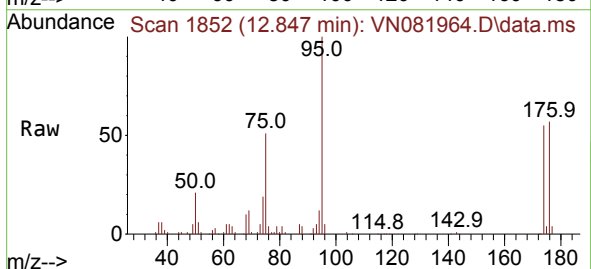
Acq: 01 May 2024 18:15

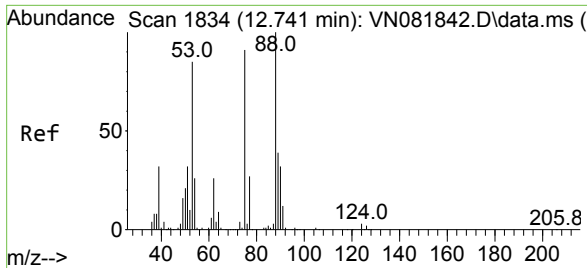
Tgt Ion: 75 Resp: 71785

Ion Ratio Lower Upper

75 100

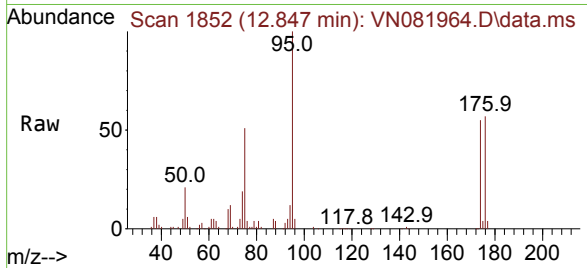
77 1.7 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.486 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081964.D
 Acq: 01 May 2024 18:15

Instrument :
 MSVOA_N
 ClientSampleId :



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

