

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081251.D
 Acq On : 28 Feb 2024 18:29
 Operator : JC\MD
 Sample : P1590-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222

Quant Time: Feb 28 23:30:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

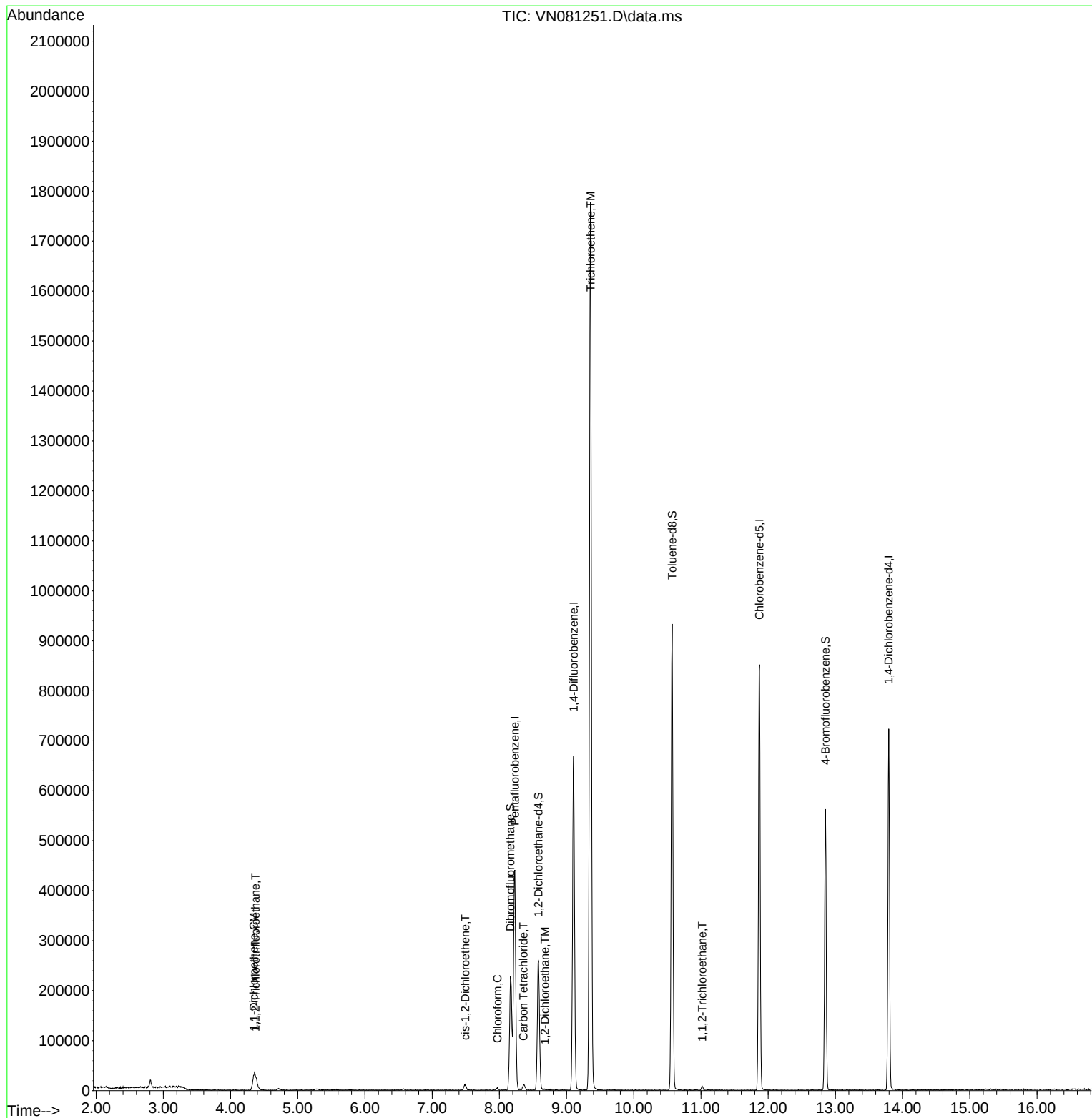
Internal Standards						
1) Pentafluorobenzene	8.230	168	304806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	559564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208502	55.808	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	8.165	113	163393	51.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.280%			
50) Toluene-d8	10.571	98	619434	55.118	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.853	95	192210	45.517	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.040%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.371	101	14010	3.929	ug/l #	77
12) 1,1-Dichloroethene	4.348	96	13811	4.007	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	6963	1.558	ug/l	75
30) Chloroform	7.971	83	3594	0.504	ug/l #	67
38) Carbon Tetrachloride	8.359	117	7208	1.314	ug/l	85
42) 1,2-Dichloroethane	8.677	62	1398	0.255	ug/l	87
44) Trichloroethene	9.359	130	618779	148.064	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	2323	0.608	ug/l #	78

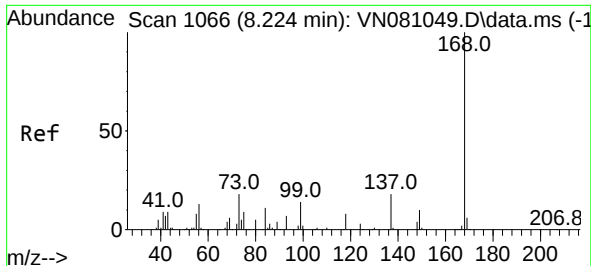
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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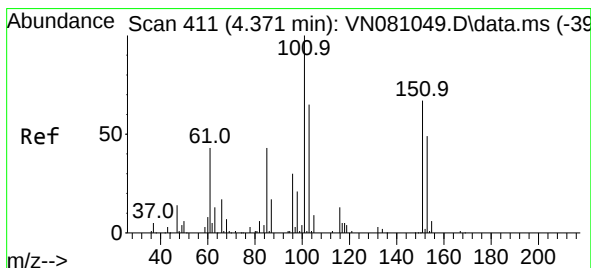
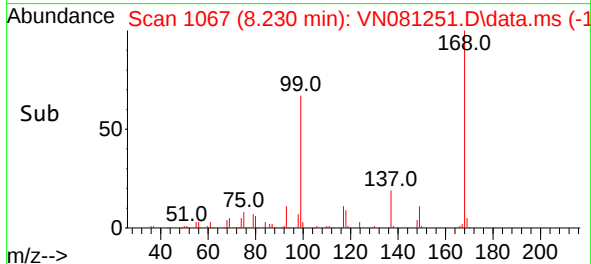
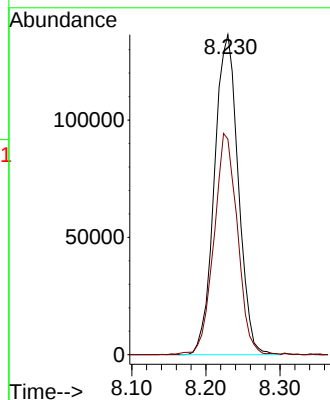
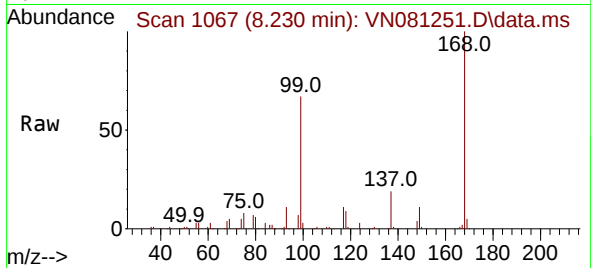




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

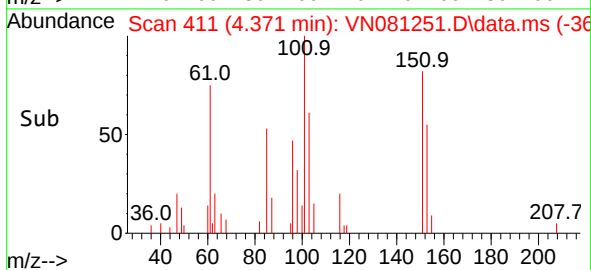
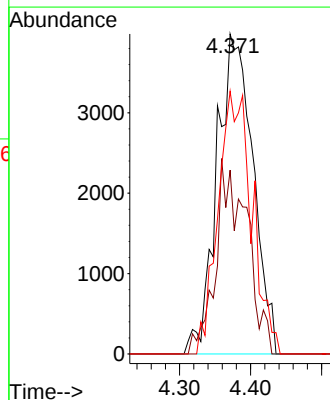
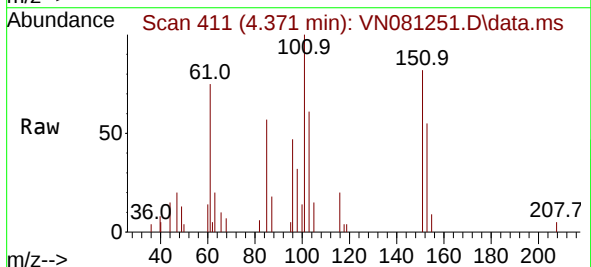
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

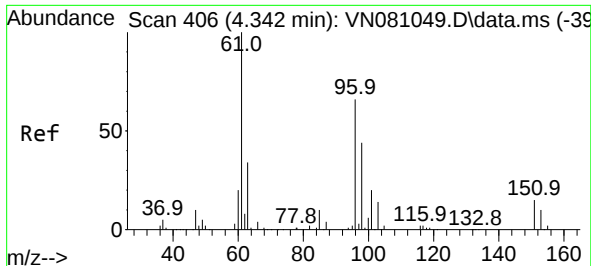
Tgt Ion:168 Resp: 304806
Ion Ratio Lower Upper
168 100
99 67.1 59.9 89.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.929 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion:101 Resp: 14010
Ion Ratio Lower Upper
101 100
85 29.8 38.1 57.1#
151 76.9 49.1 73.7#





#12

1,1-Dichloroethene

Concen: 4.007 ug/l

RT: 4.348 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

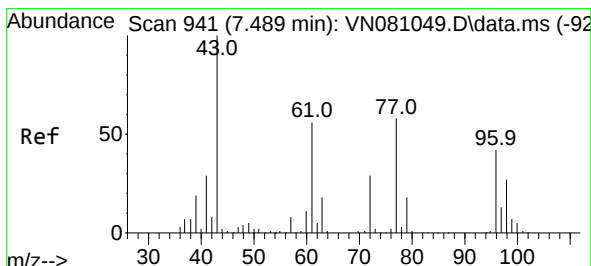
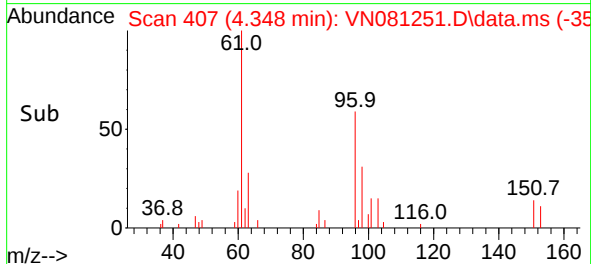
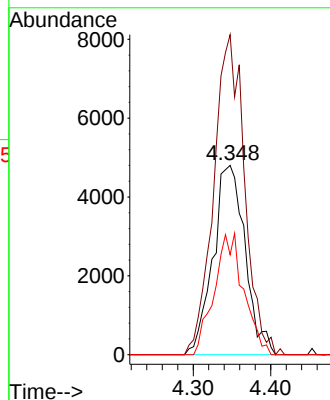
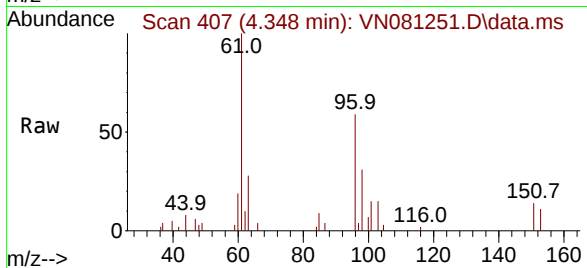
Tgt Ion: 96 Resp: 13811

Ion Ratio Lower Upper

96 100

61 169.1 138.2 207.4

98 52.7 49.2 73.8



#27

cis-1,2-Dichloroethene

Concen: 1.558 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

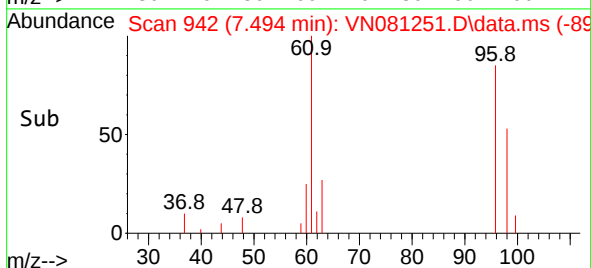
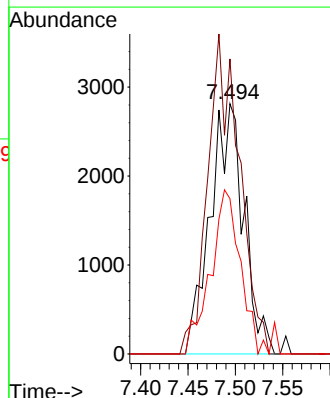
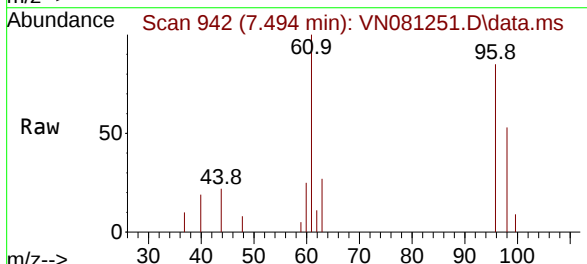
Tgt Ion: 96 Resp: 6963

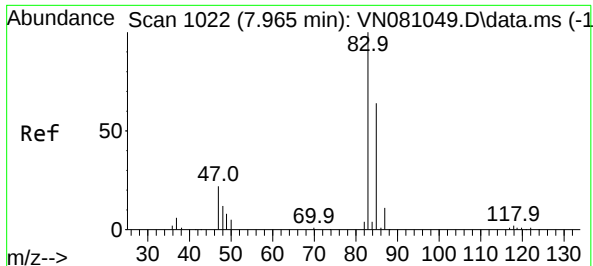
Ion Ratio Lower Upper

96 100

61 120.2 0.0 325.4

98 58.2 0.0 130.4





#30

Chloroform

Concen: 0.504 ug/l

RT: 7.971 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

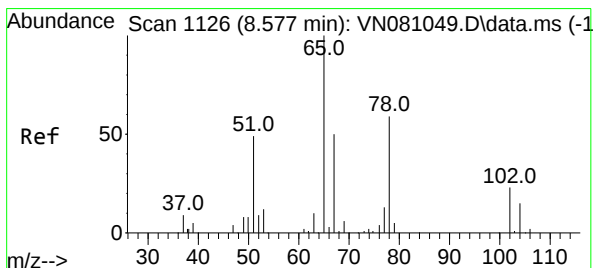
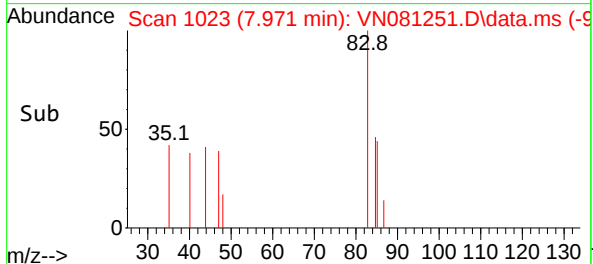
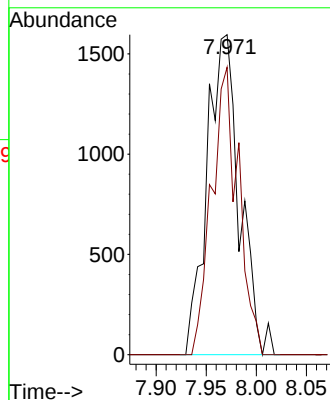
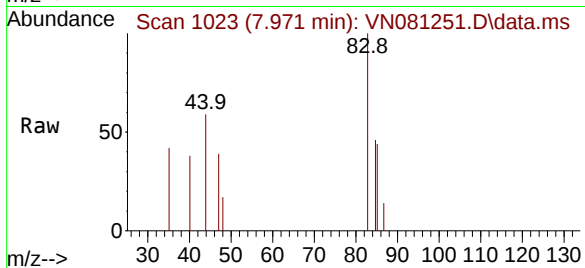
RE139D2-20240222

Tgt Ion: 83 Resp: 3594

Ion Ratio Lower Upper

83 100

85 89.8 51.0 76.6#



#33

1,2-Dichloroethane-d4

Concen: 55.808 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081251.D

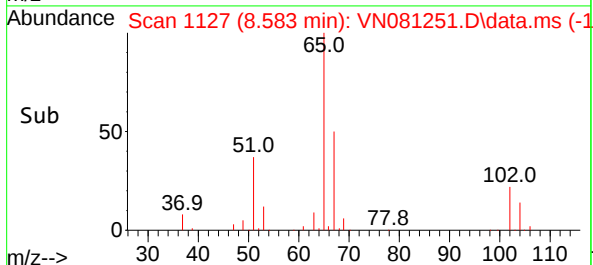
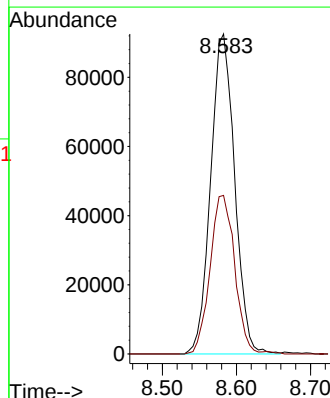
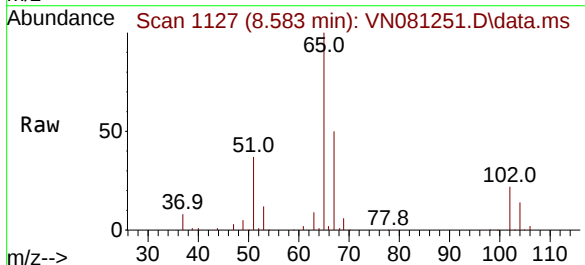
Acq: 28 Feb 2024 18:29

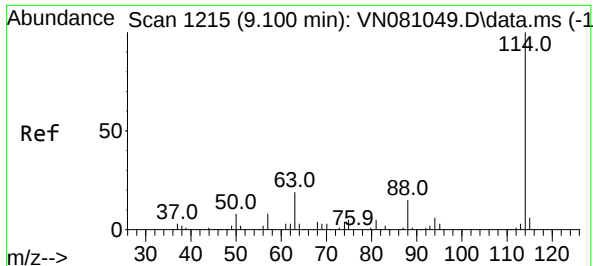
Tgt Ion: 65 Resp: 208502

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20240222

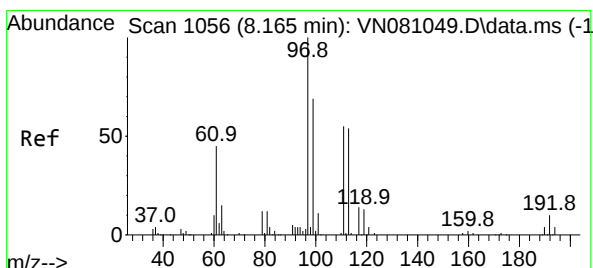
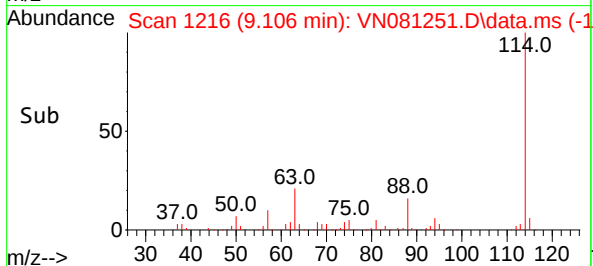
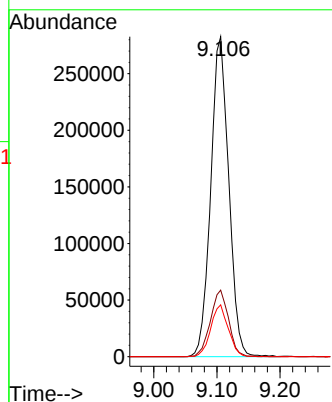
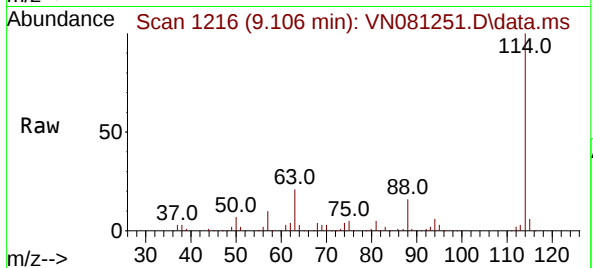
Tgt Ion:114 Resp: 559564

Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 16.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.639 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081251.D

Acq: 28 Feb 2024 18:29

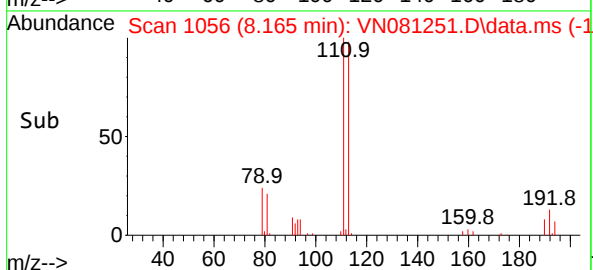
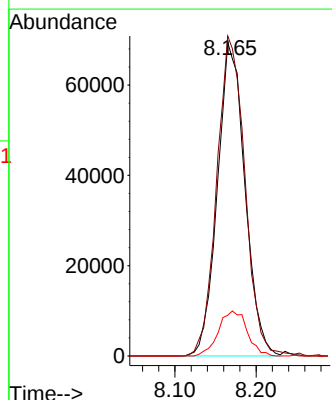
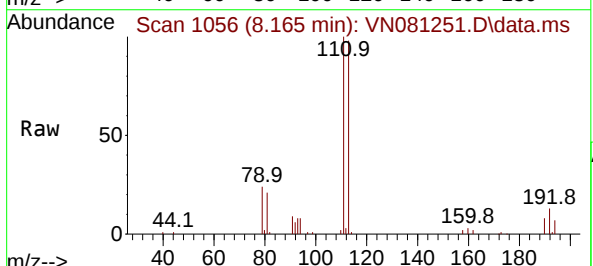
Tgt Ion:113 Resp: 163393

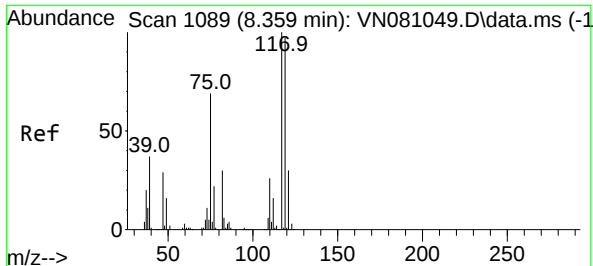
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

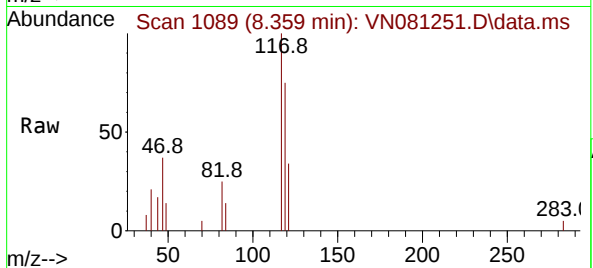
192 15.0 12.5 18.7



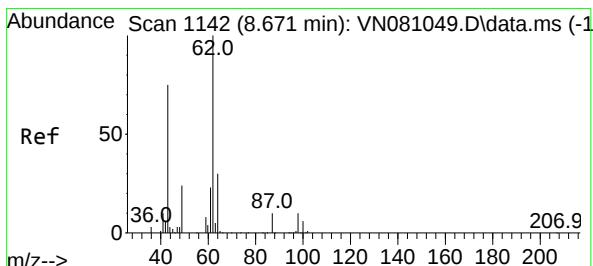
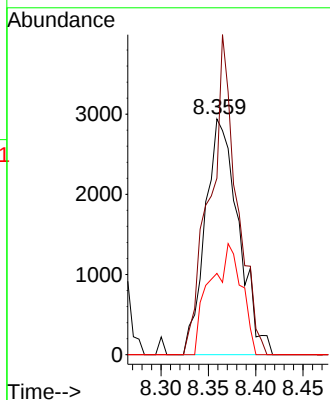
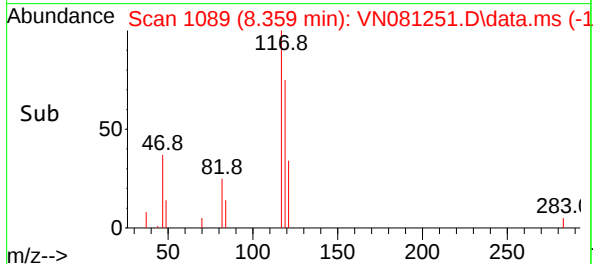


#38
Carbon Tetrachloride
Concen: 1.314 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

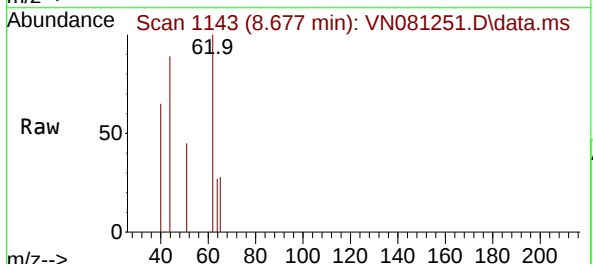
Instrument :
MSVOA_N
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RE139D2-20240222



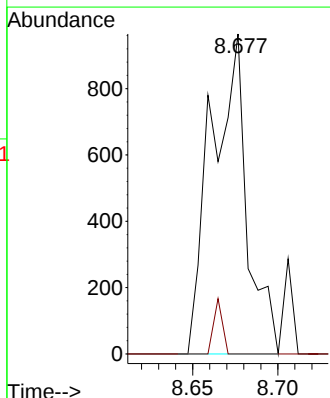
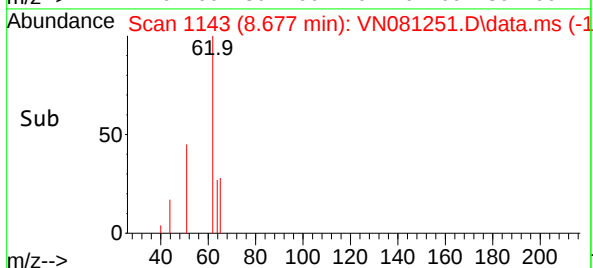
Tgt Ion:117 Resp: 7208
Ion Ratio Lower Upper
117 100
119 74.9 73.4 110.2
121 34.4 24.4 36.6

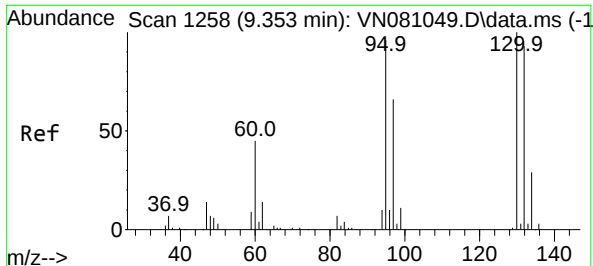


#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29



Tgt Ion: 62 Resp: 1398
Ion Ratio Lower Upper
62 100
98 4.2 0.0 18.0

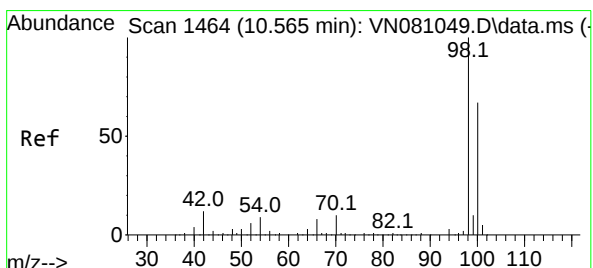
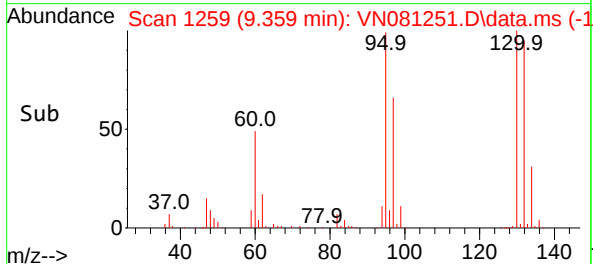
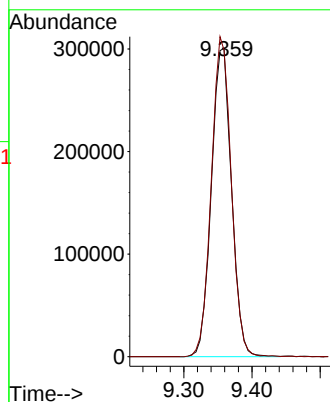
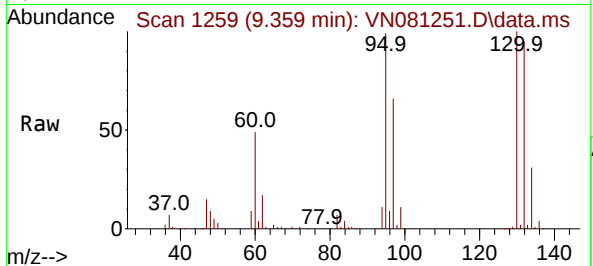




#44
Trichloroethene
Concen: 148.064 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

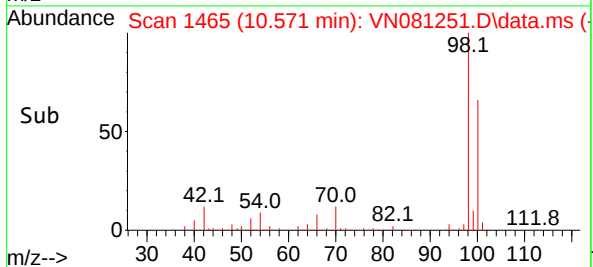
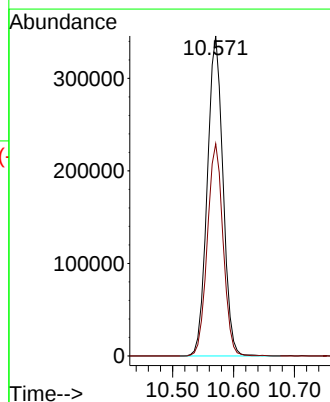
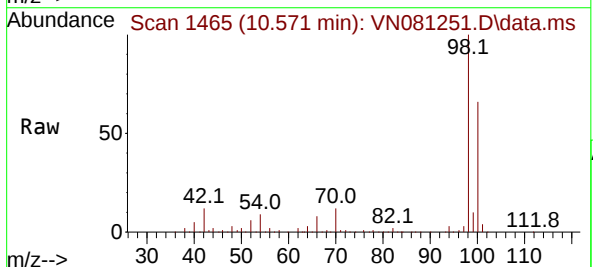
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ClientSampleId :
RE139D2-20240222

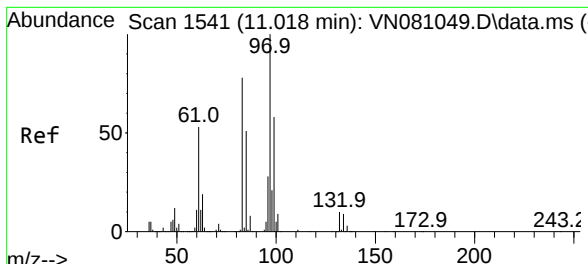
Tgt Ion:130 Resp: 618779
Ion Ratio Lower Upper
130 100
95 99.4 0.0 210.4



#50
Toluene-d8
Concen: 55.118 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion: 98 Resp: 619434
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0

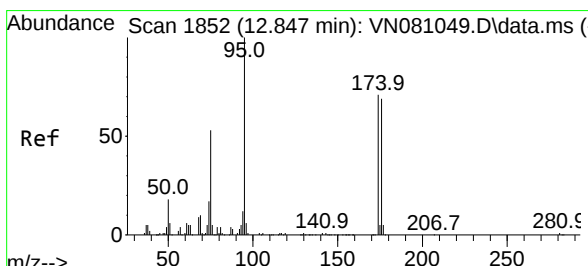
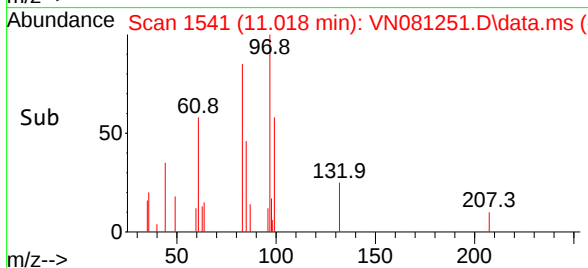
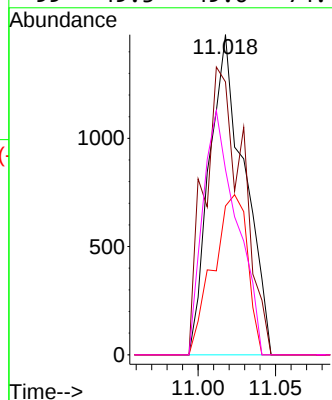
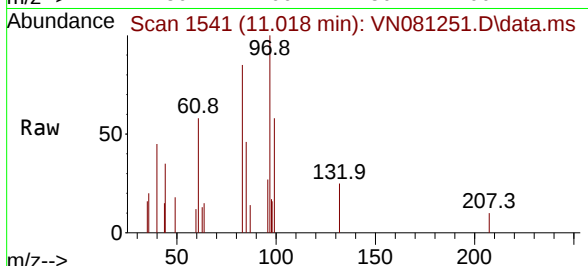




#55
 1,1,2-Trichloroethane
 Concen: 0.608 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN081251.D
 Acq: 28 Feb 2024 18:29

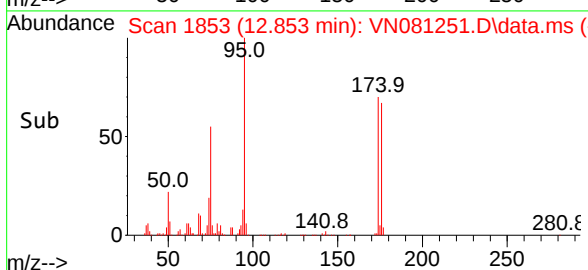
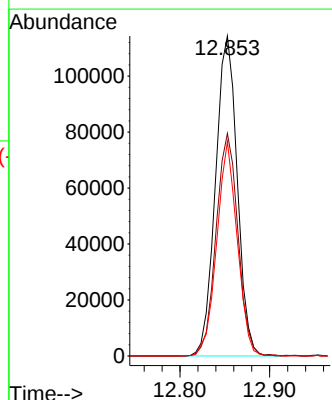
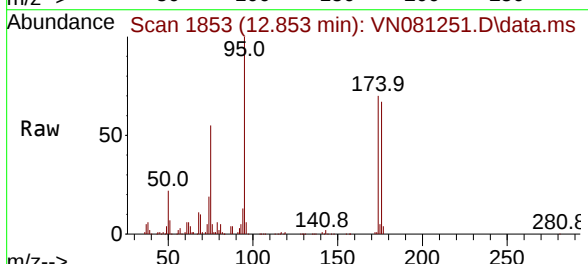
Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20240222

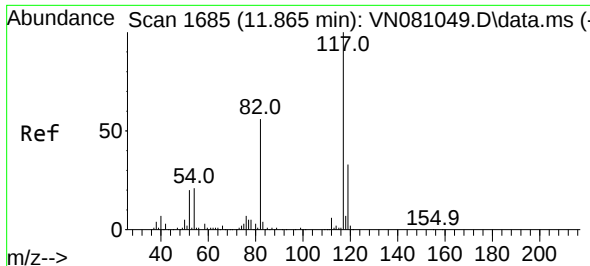
Tgt Ion: 97	Resp: 2323
Ion Ratio	Lower Upper
97 100	
83 72.7	72.9 109.3#
85 39.6	50.2 75.2#
99 49.3	49.6 74.4#



#62
 4-Bromofluorobenzene
 Concen: 45.517 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081251.D
 Acq: 28 Feb 2024 18:29

Tgt Ion: 95	Resp: 192210
Ion Ratio	Lower Upper
95 100	
174 70.0	0.0 120.4
176 63.1	0.0 121.0

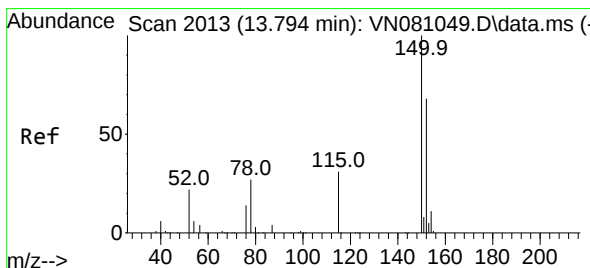
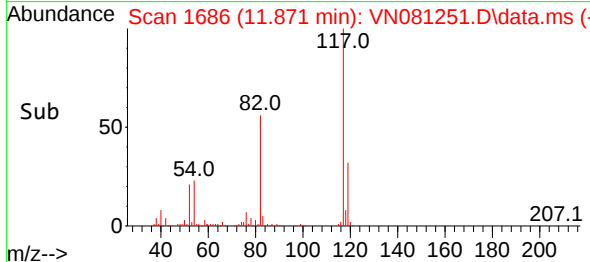
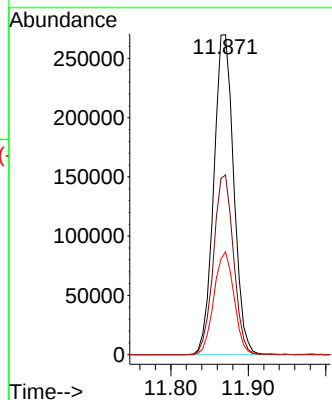
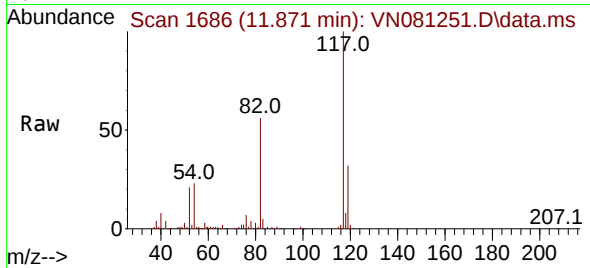




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081251.D
Acq: 28 Feb 2024 18:29

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20240222

Tgt Ion:117 Resp: 483013
Ion Ratio Lower Upper
117 100
82 56.2 52.7 79.1
119 32.2 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: VN081251.D
Acq: 28 Feb 2024 18:29

Tgt Ion:152 Resp: 179192
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 160.1 0.0 339.8

