

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081242.D
 Acq On : 28 Feb 2024 14:53
 Operator : JC\MD
 Sample : P1590-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20240222

Quant Time: Feb 28 23:26:23 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)

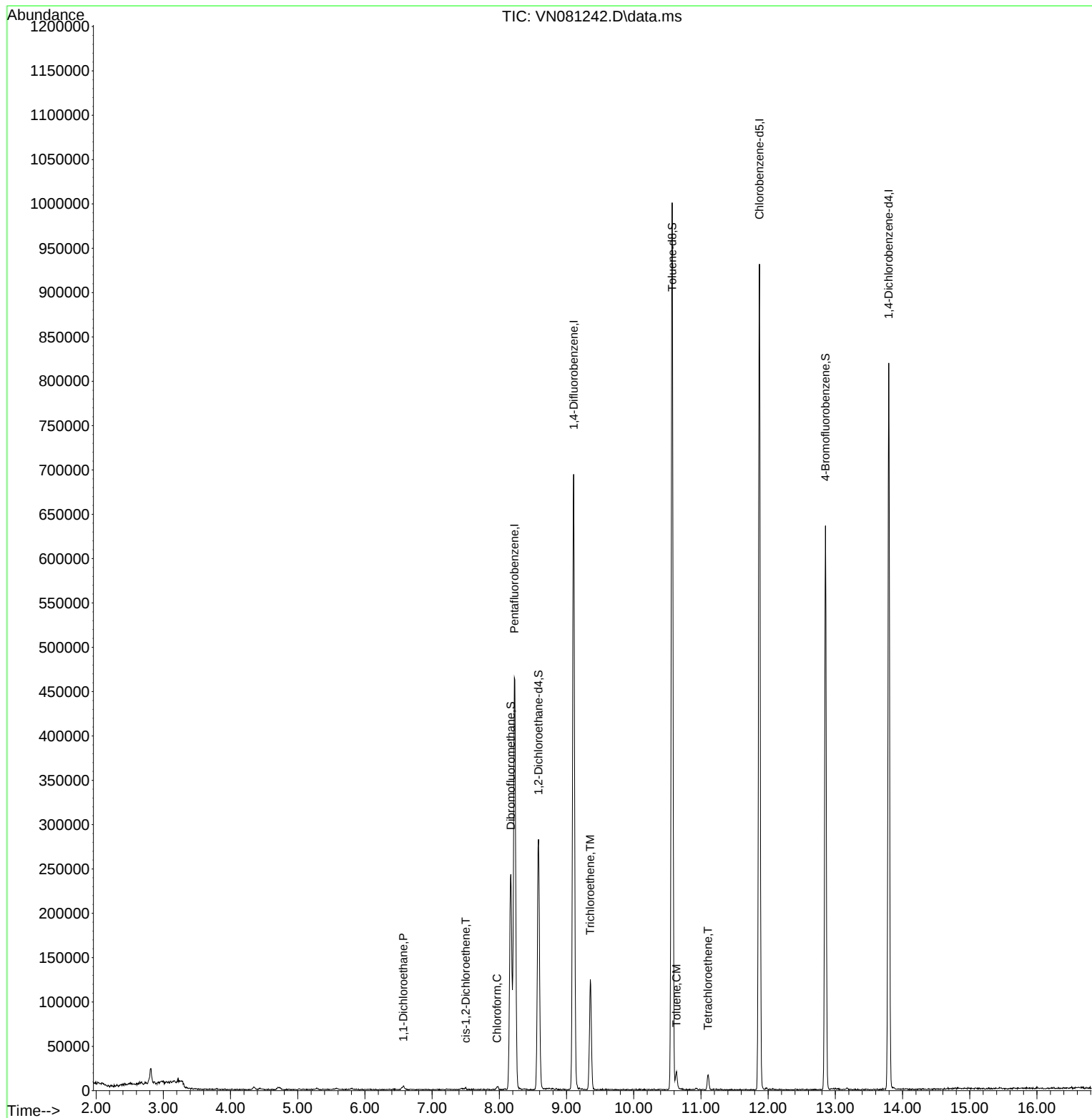
Internal Standards						
1) Pentafluorobenzene	8.224	168	314643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	521475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	223139	57.858	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.720%	
35) Dibromofluoromethane	8.171	113	175896	52.571	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.140%	
50) Toluene-d8	10.571	98	672576	56.596	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.200%#	
62) 4-Bromofluorobenzene	12.853	95	218839	49.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.020%	
Target Compounds						
					Qvalue	
24) 1,1-Dichloroethane	6.571	63	5528	0.798	ug/l #	82
27) cis-1,2-Dichloroethene	7.500	96	1074	0.233	ug/l	69
30) Chloroform	7.965	83	3437	0.467	ug/l #	71
44) Trichloroethene	9.353	130	42215	9.553	ug/l	91
52) Toluene	10.635	92	8612	0.820	ug/l	89
64) Tetrachloroethene	11.106	164	3009	0.845	ug/l #	71

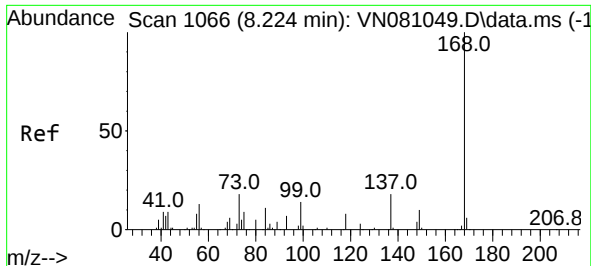
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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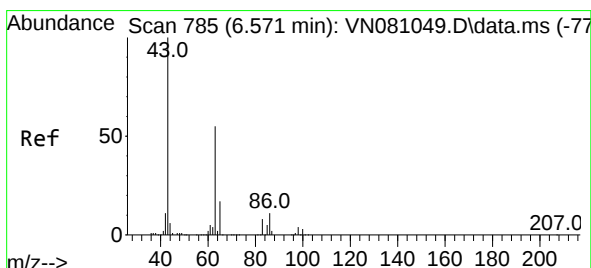
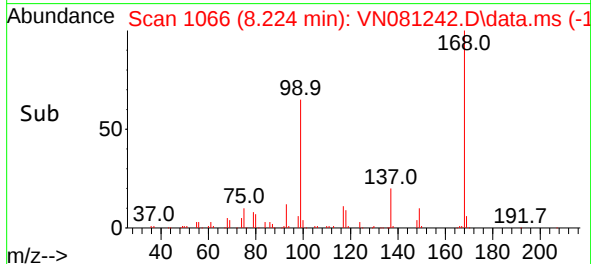
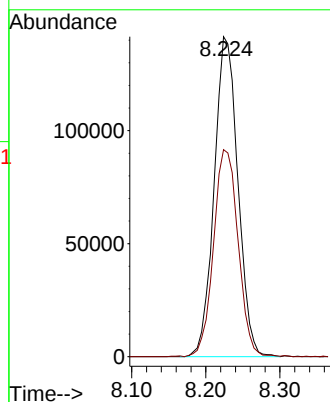
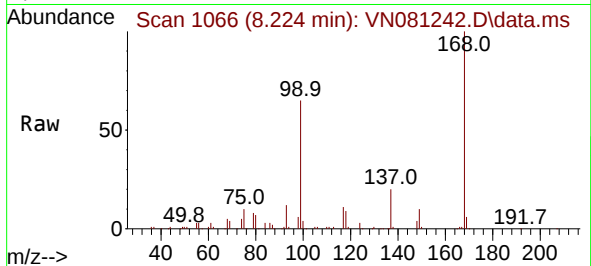




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

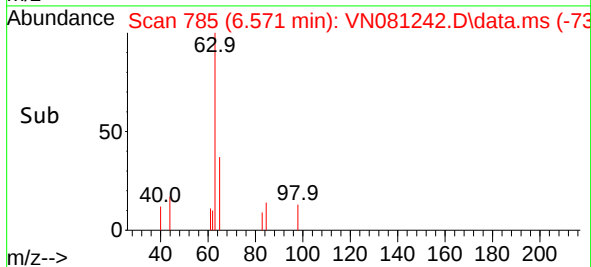
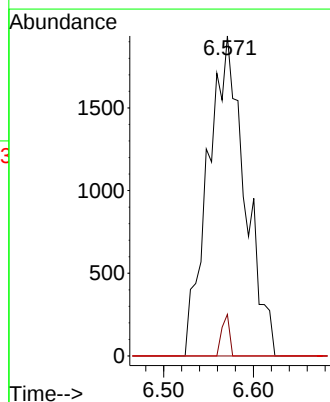
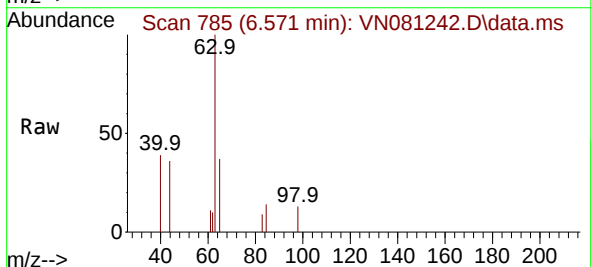
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

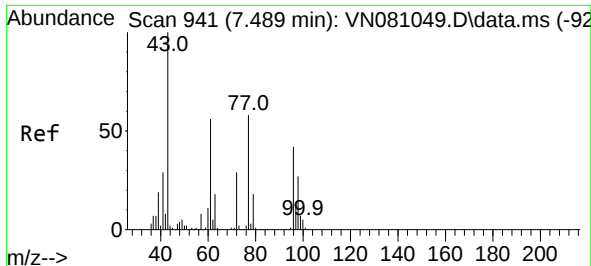
Tgt Ion:168 Resp: 314643
Ion Ratio Lower Upper
168 100
99 64.5 59.9 89.9



#24
1,1-Dichloroethane
Concen: 0.798 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

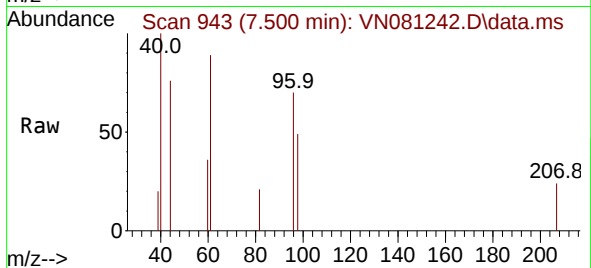
Tgt Ion: 63 Resp: 5528
Ion Ratio Lower Upper
63 100
98 13.0 2.9 8.6#
100 0.0 1.9 5.7#



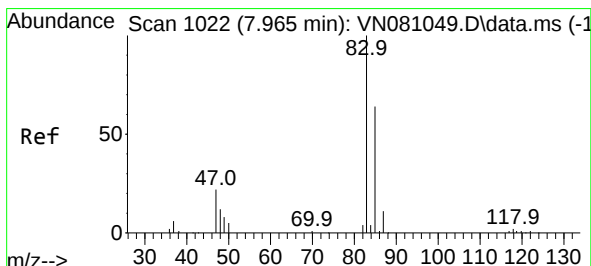
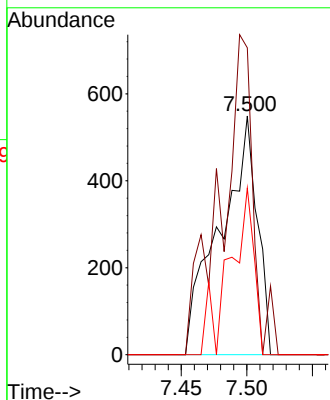
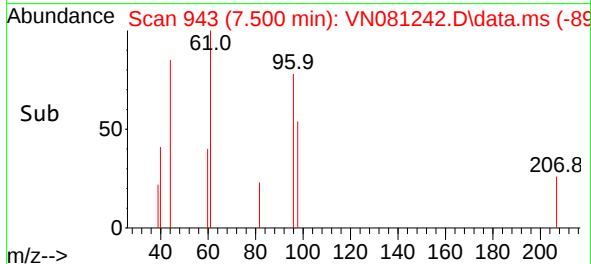


#27
cis-1,2-Dichloroethene
Concen: 0.233 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

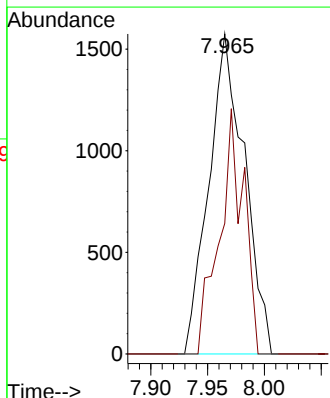
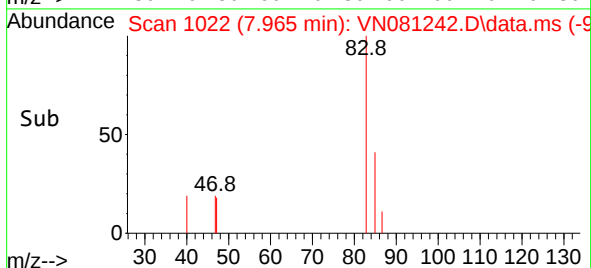
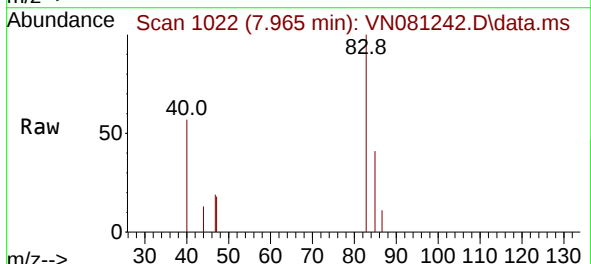


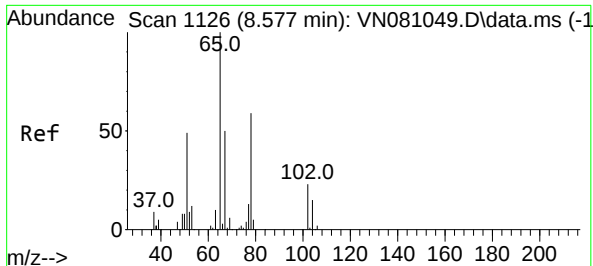
Tgt Ion: 96 Resp: 1074
Ion Ratio Lower Upper
96 100
61 117.8 0.0 325.4
98 46.5 0.0 130.4



#30
Chloroform
Concen: 0.467 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion: 83 Resp: 3437
Ion Ratio Lower Upper
83 100
85 40.8 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 57.858 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

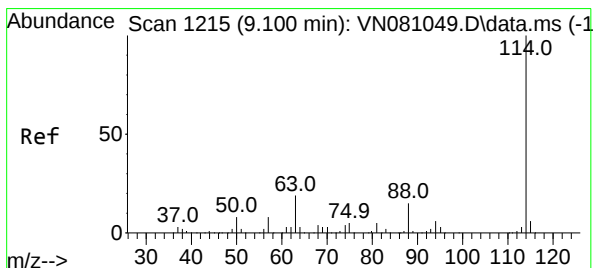
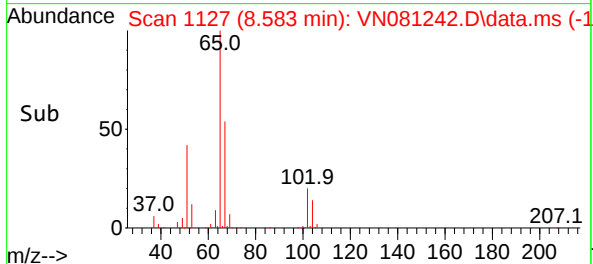
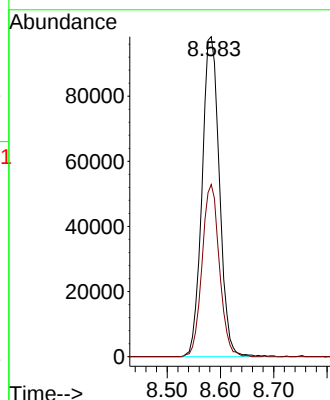
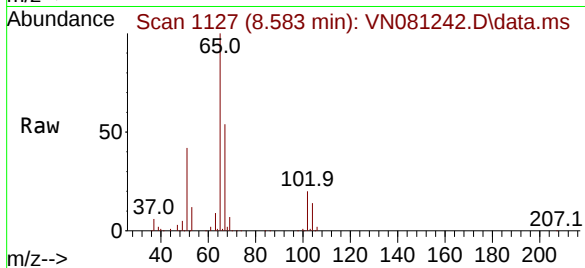
TT162S1-20240222

Tgt Ion: 65 Resp: 223139

Ion Ratio Lower Upper

65 100

67 53.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

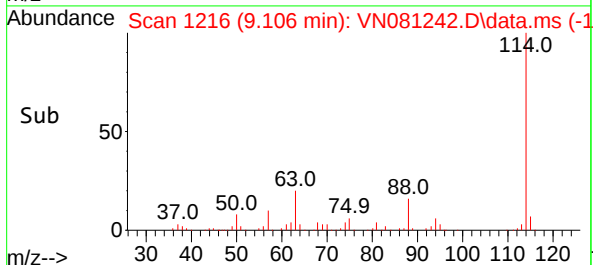
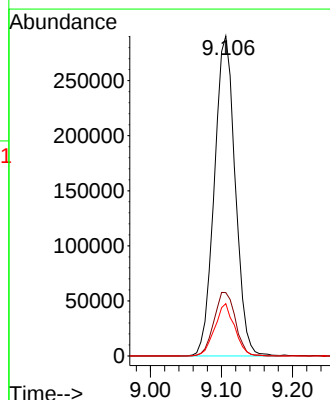
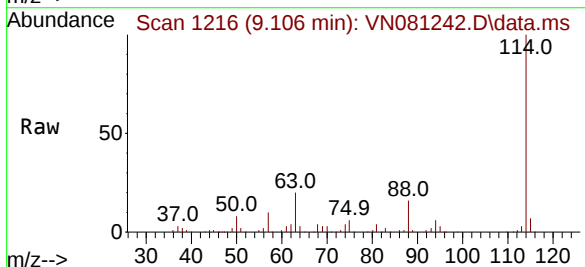
Tgt Ion: 114 Resp: 591703

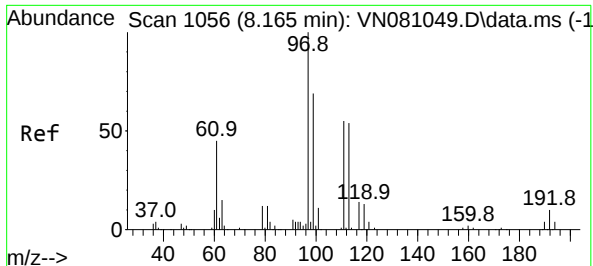
Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 16.4 0.0 34.8

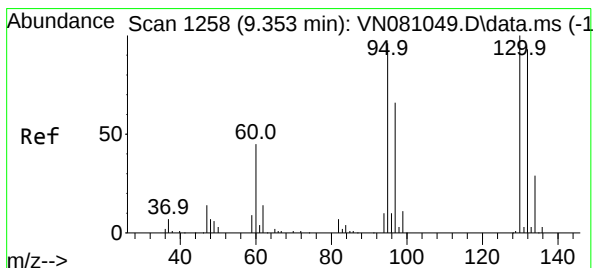
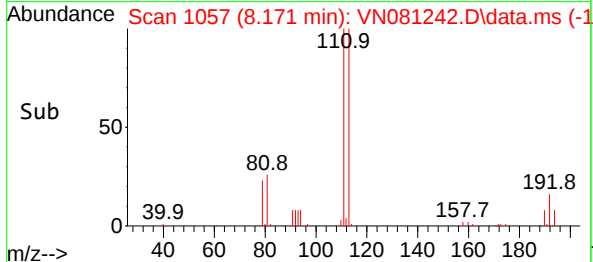
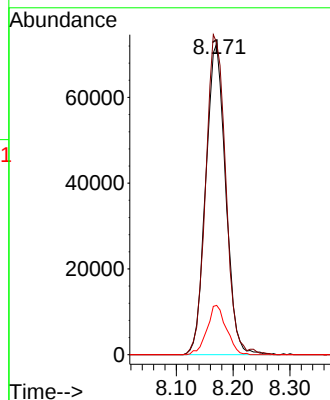
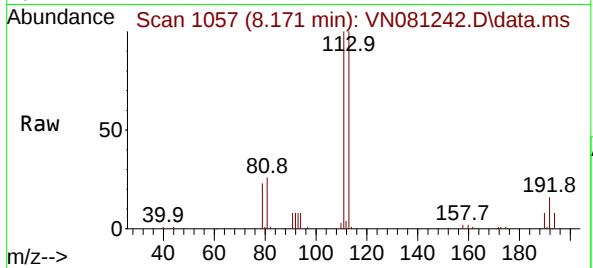




#35
Dibromofluoromethane
Concen: 52.571 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

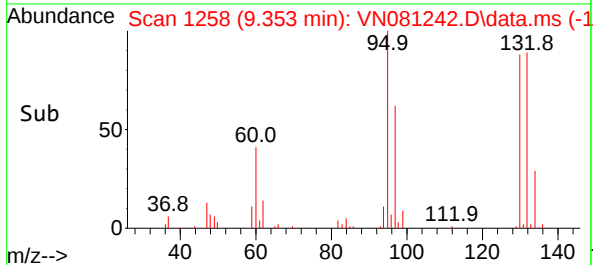
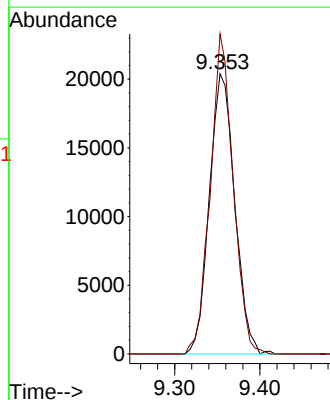
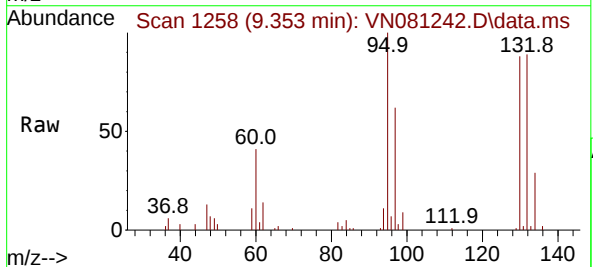
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222

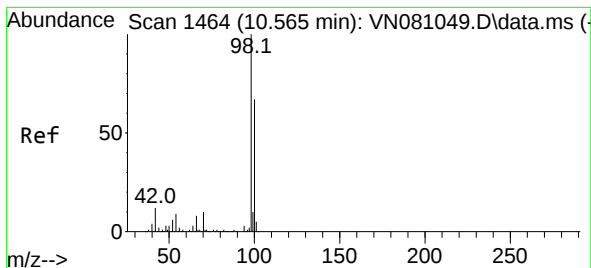
Tgt Ion:113 Resp: 175896
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 15.4 12.5 18.7



#44
Trichloroethene
Concen: 9.553 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion:130 Resp: 42215
Ion Ratio Lower Upper
130 100
95 114.2 0.0 210.4





#50

Toluene-d8

Concen: 56.596 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081242.D

Acq: 28 Feb 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

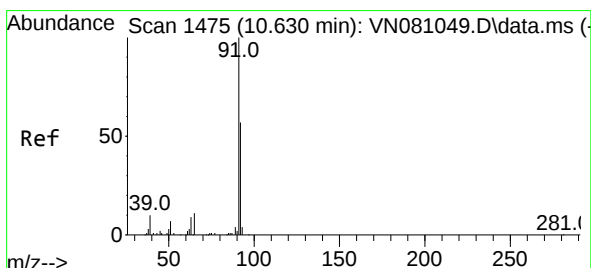
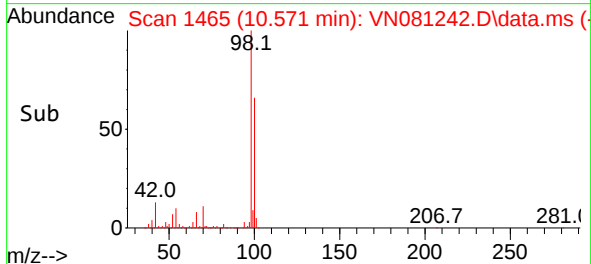
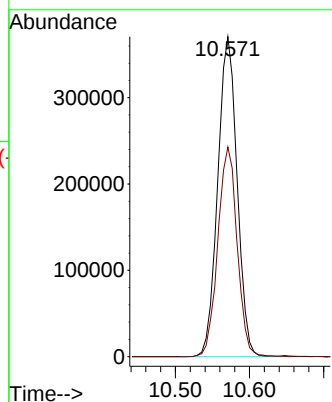
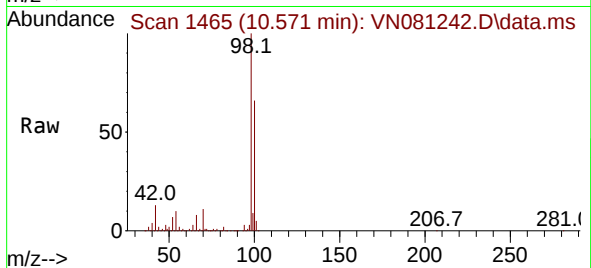
TT162S1-20240222

Tgt Ion: 98 Resp: 672576

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0



#52

Toluene

Concen: 0.820 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN081242.D

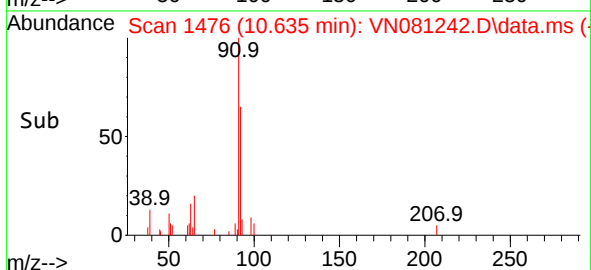
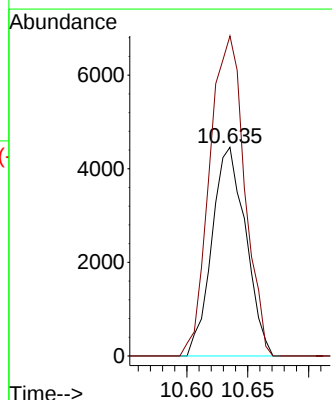
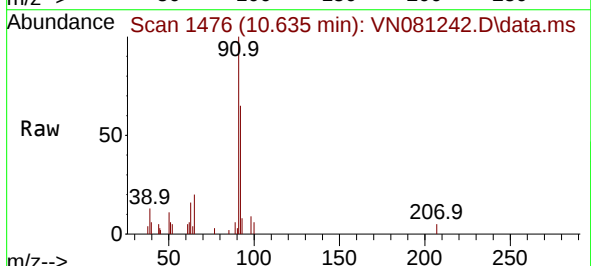
Acq: 28 Feb 2024 14:53

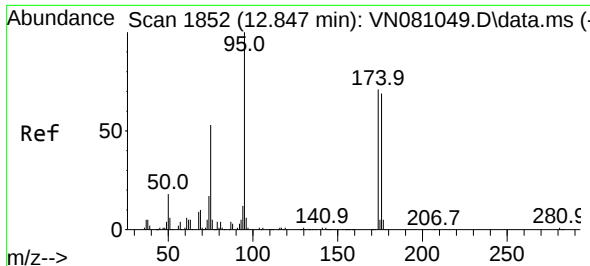
Tgt Ion: 92 Resp: 8612

Ion Ratio Lower Upper

92 100

91 159.1 139.4 209.0

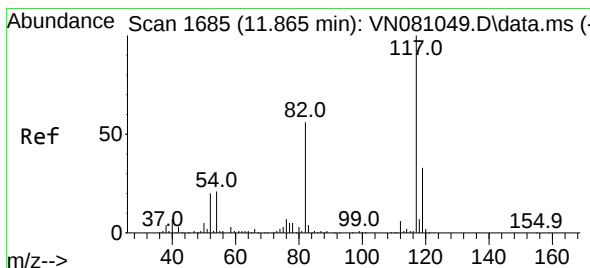
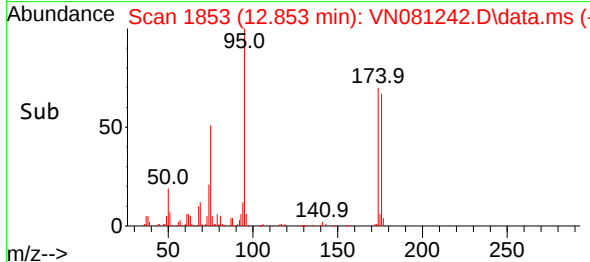
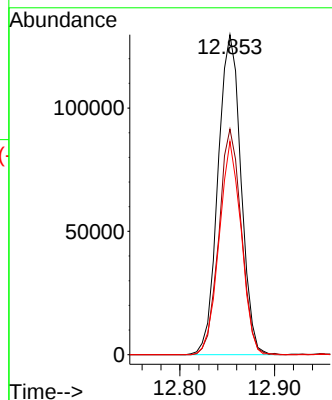
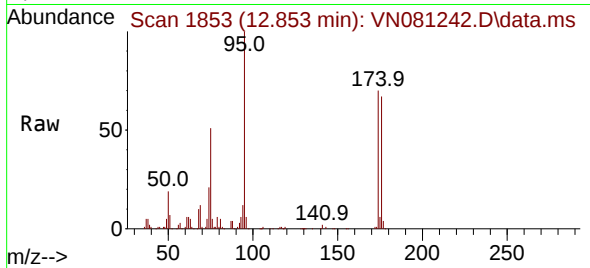




#62
4-Bromofluorobenzene
Concen: 49.008 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

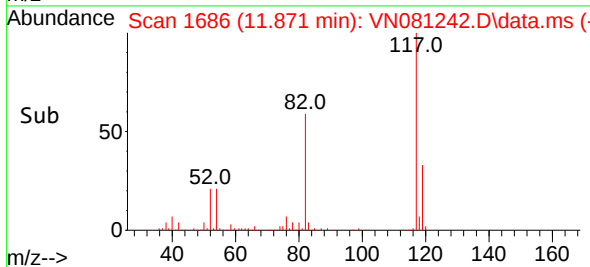
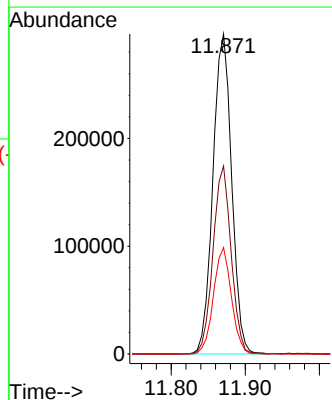
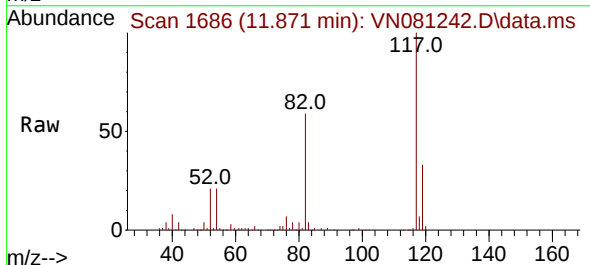
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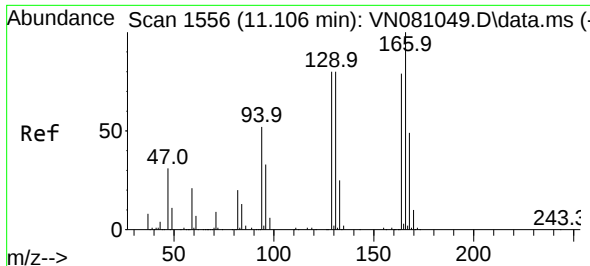
Tgt Ion:	95	Resp:	218839
Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	120.4
176	64.0	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

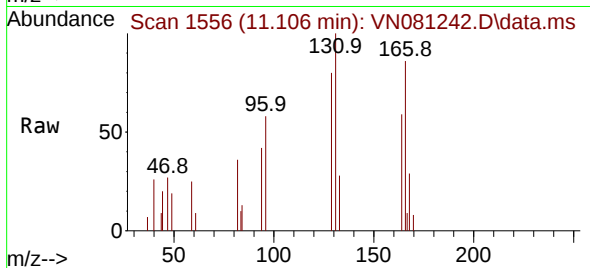
Tgt Ion:	117	Resp:	521475
Ion	Ratio	Lower	Upper
117	100		
82	58.8	52.7	79.1
119	33.3	25.3	37.9



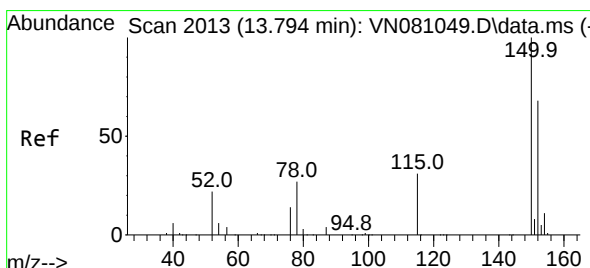
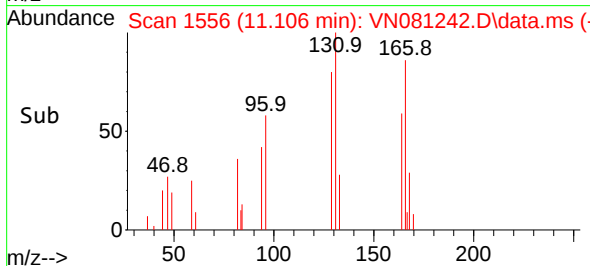
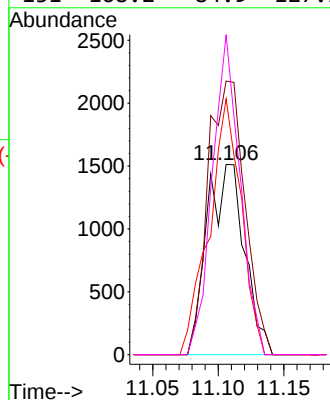


#64
Tetrachloroethene
Concen: 0.845 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20240222



Tgt Ion:	164	Resp:	3009
Ion	Ratio	Lower	Upper
164	100		
166	143.8	105.8	158.6
129	134.5	89.6	134.4#
131	168.2	84.9	127.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081242.D
Acq: 28 Feb 2024 14:53

Tgt Ion:	152	Resp:	205691
Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.3	96.8
150	154.4	0.0	339.8

