

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083892.D
 Acq On : 14 Sep 2024 15:56
 Operator : JC\MD
 Sample : P3957-18RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUPE1-20240911RE

Quant Time: Sep 16 01:36:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	150085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	212284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112861	49.871	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.740%
35) Dibromofluoromethane	8.171	113	79628	47.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.760%
50) Toluene-d8	10.565	98	289411	50.340	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.847	95	92698	39.081	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	78.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	405	Below Cal	#	52
9) 1,1,2-Trichlorotrifluo...	4.353	101	518	0.301	ug/l #	50
16) Acetone	4.442	43	390	0.430	ug/l #	45
31) Cyclohexane	8.224	56	4083	1.248	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	14720	5.881	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17899	6.303	ug/l #	16
39) Methylcyclohexane	9.341	83	737	0.259	ug/l #	20
44) Trichloroethene	9.353	130	58691	33.640	ug/l	98
49) 1,4-Dioxane	9.694	88	214	6.659	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1483	0.662	ug/l #	1
60) Dibromochloromethane	11.100	129	3482	1.808	ug/l #	10
64) Tetrachloroethene	11.106	164	3498	2.478	ug/l	89
71) Bromoform	12.841	173	240	0.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	53436	31.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53436	82.473	ug/l #	9

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

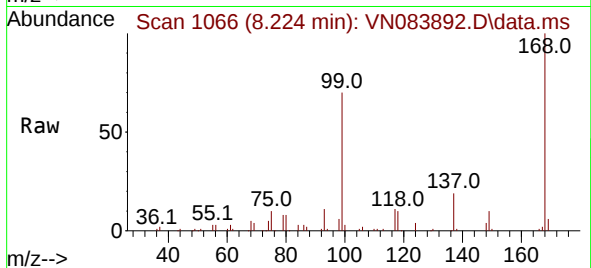
Quant Time: Sep 16 01:36:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



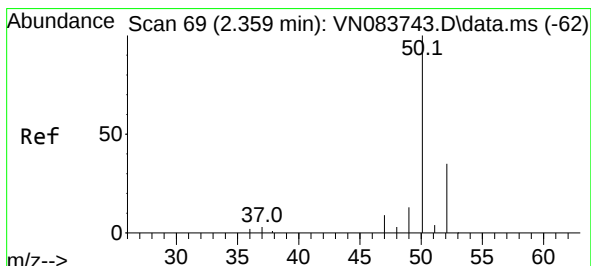
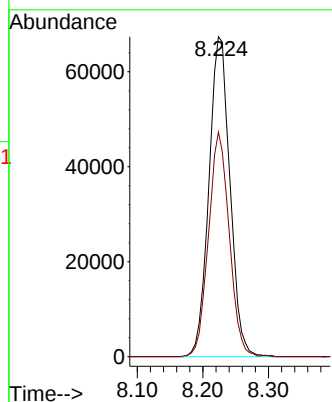
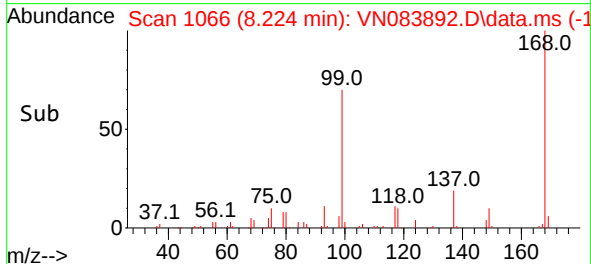


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE

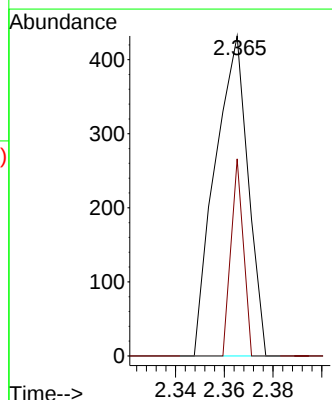
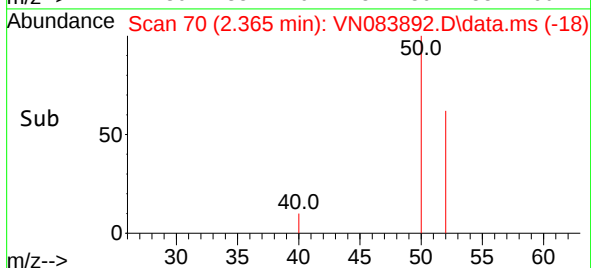
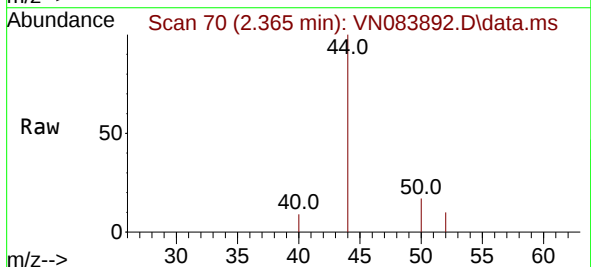


Tgt Ion:168 Resp: 150085
Ion Ratio Lower Upper
168 100
99 70.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 61.6 27.2 40.8#

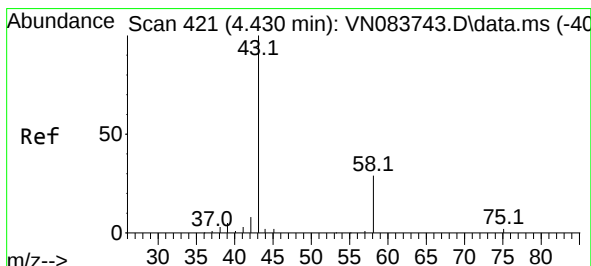
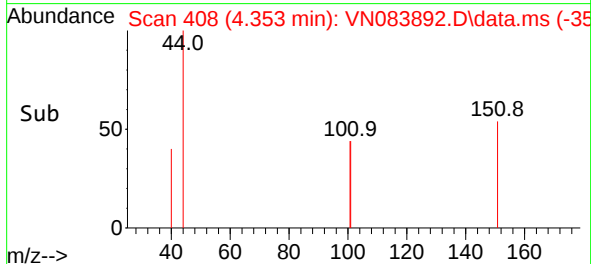
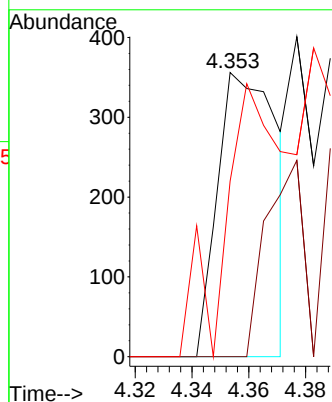
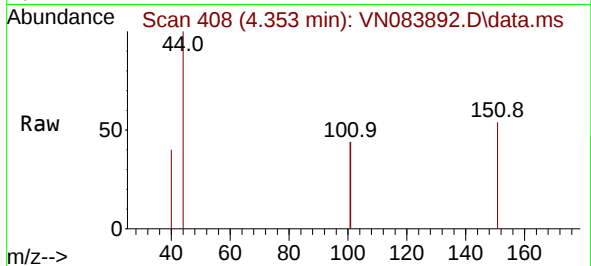




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.301 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.000 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

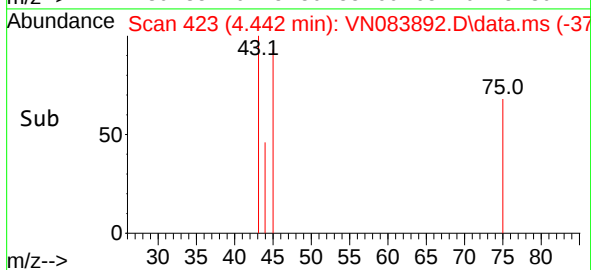
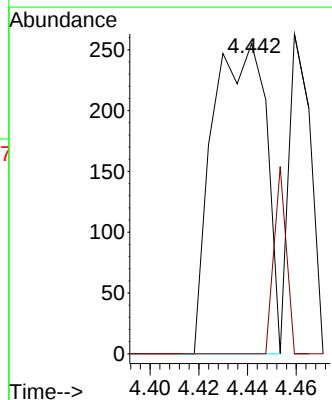
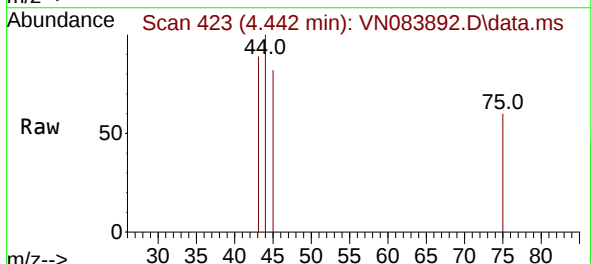
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE

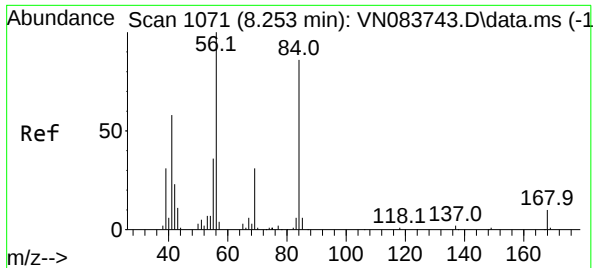
Tgt Ion:101 Resp: 518
Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 103.9 57.7 86.5#



#16
Acetone
Concen: 0.430 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

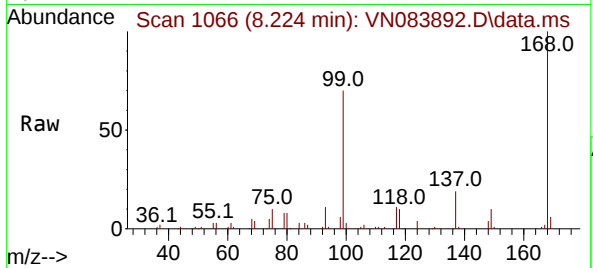
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



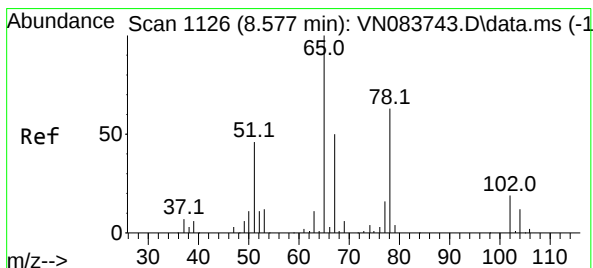
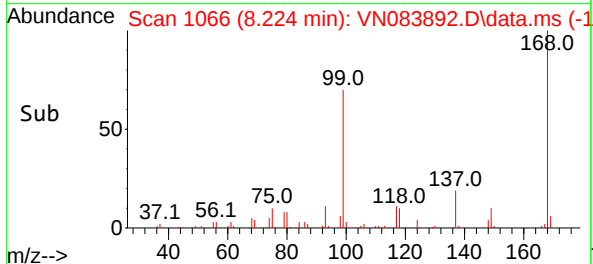
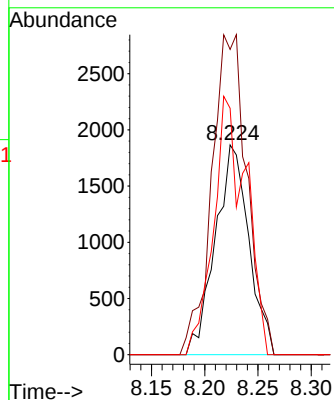


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE

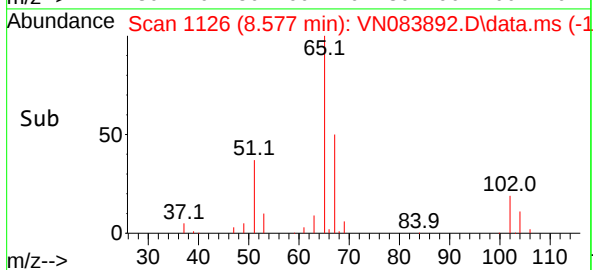
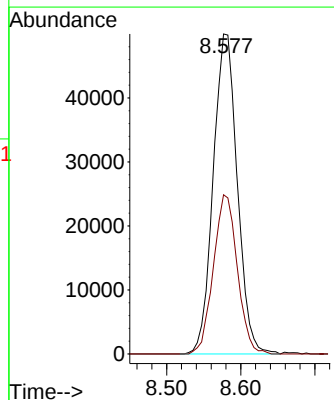
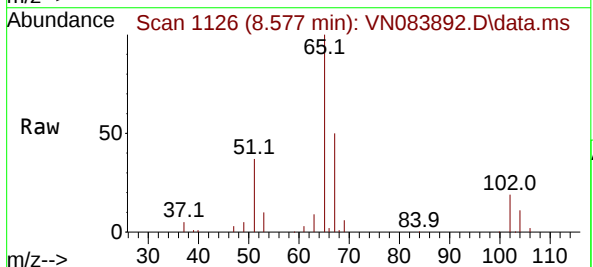


Tgt Ion: 56 Resp: 4083
Ion Ratio Lower Upper
56 100
69 145.5 26.9 40.3#
84 117.5 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 49.871 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

Tgt Ion: 65 Resp: 112861
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911RE

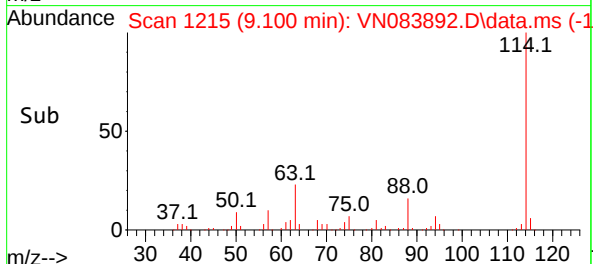
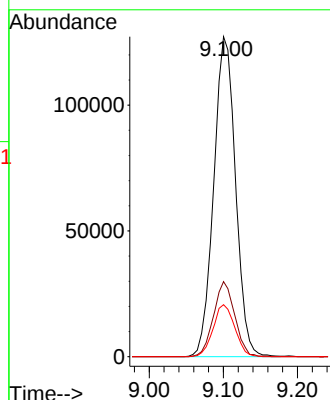
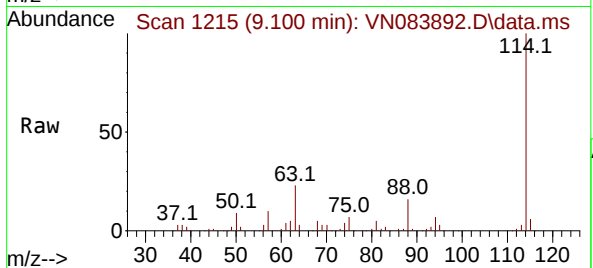
Tgt Ion:114 Resp: 259771

Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.882 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

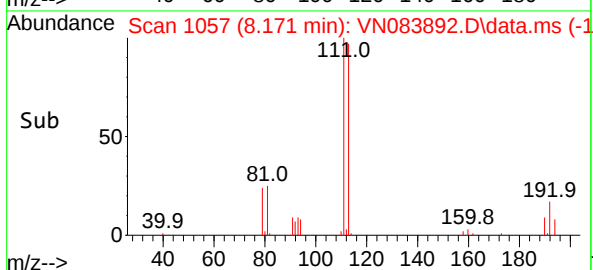
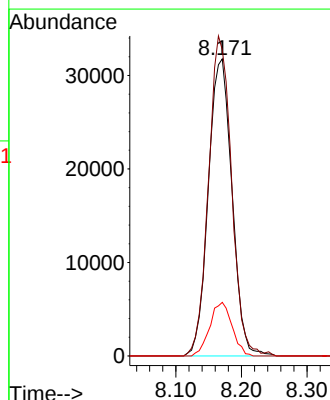
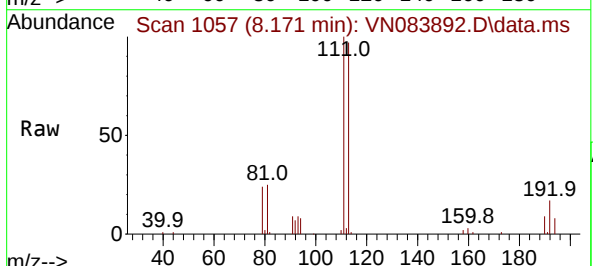
Tgt Ion:113 Resp: 79628

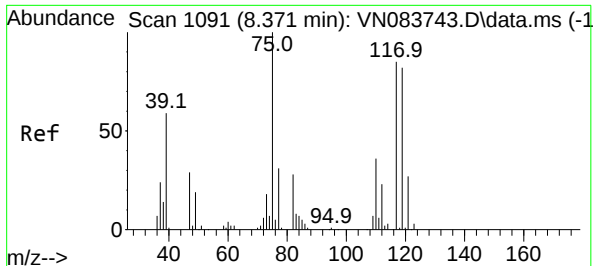
Ion Ratio Lower Upper

113 100

111 104.7 82.6 124.0

192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.881 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083892.D

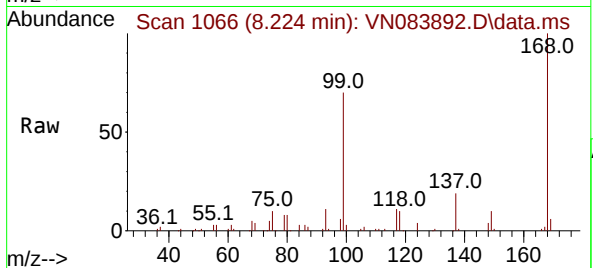
Acq: 14 Sep 2024 15:56

Instrument :

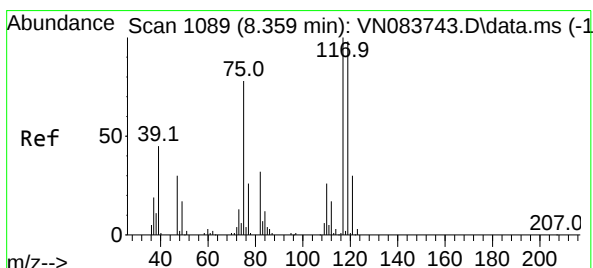
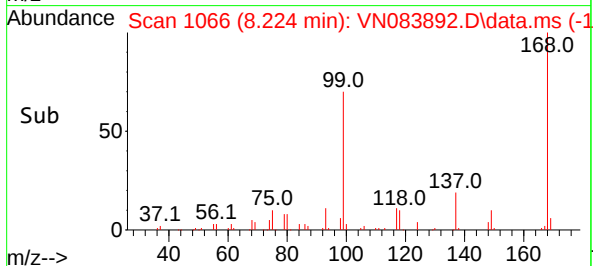
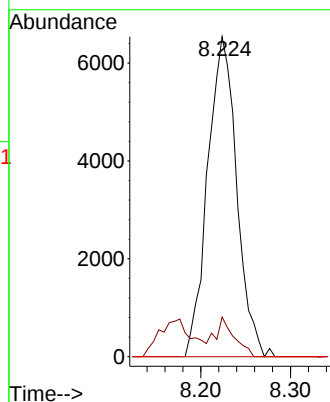
MSVOA_N

ClientSampleId :

DUPE1-20240911RE



Tgt Ion:	75	Resp:	14720
Ion Ratio	Lower	Upper	
75	100		
110	8.1	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 6.303 ug/l

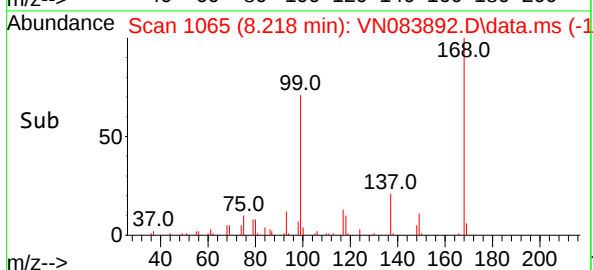
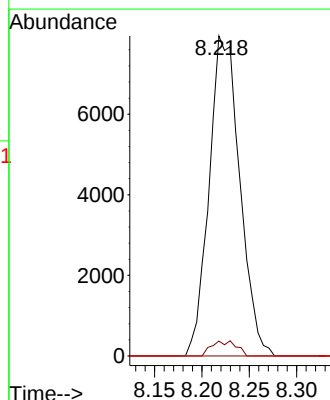
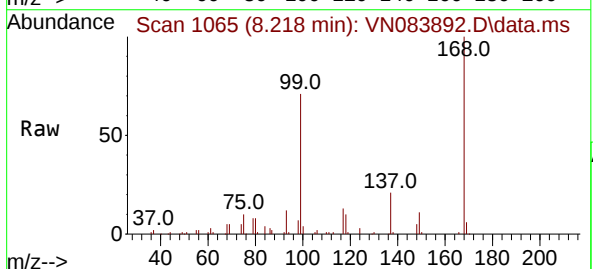
RT: 8.218 min Scan# 1065

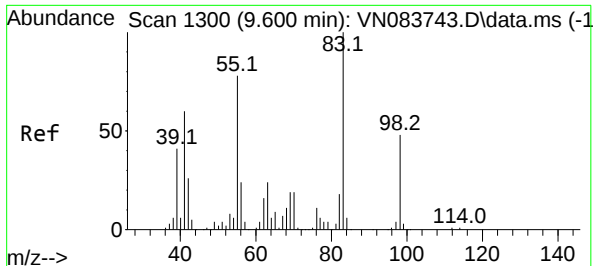
Delta R.T. -0.141 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Tgt Ion:	117	Resp:	17899
Ion Ratio	Lower	Upper	
117	100		
119	4.7	76.1	114.1#
121	0.0	24.1	36.1#





#39

Methylcyclohexane

Concen: 0.259 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911RE

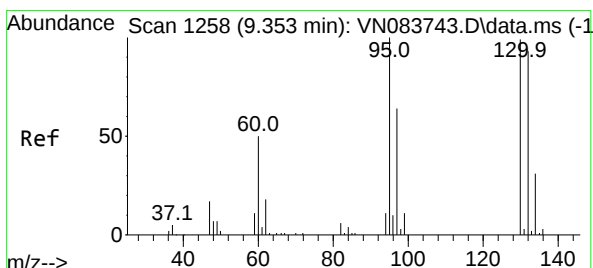
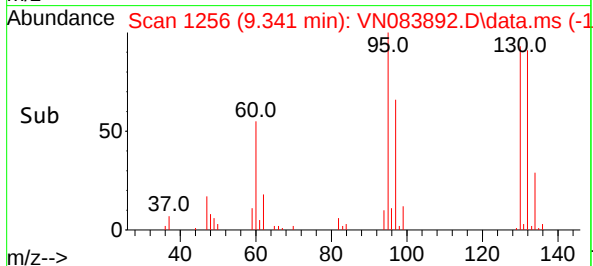
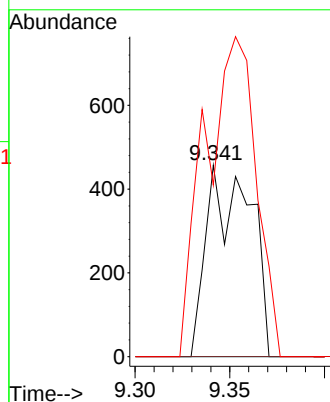
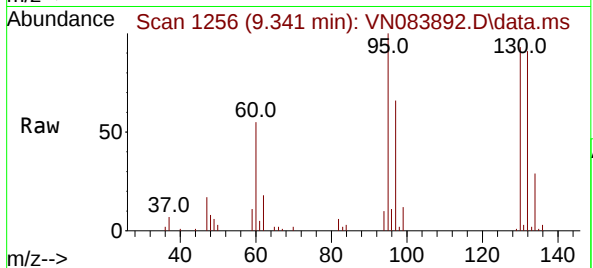
Tgt Ion: 83 Resp: 737

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 89.7 37.6 56.4#



#44

Trichloroethene

Concen: 33.640 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083892.D

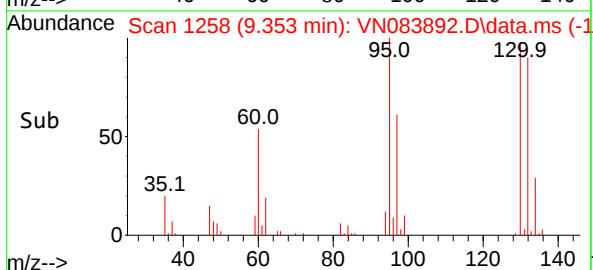
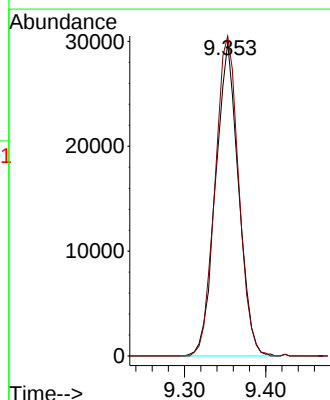
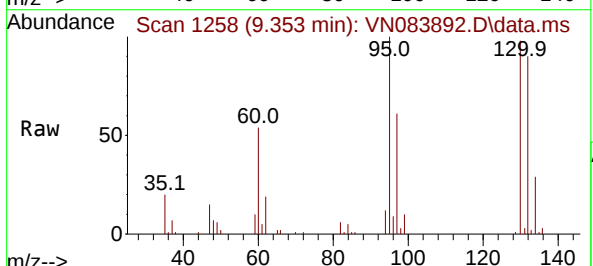
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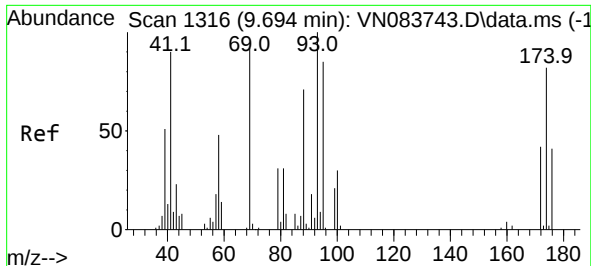
Tgt Ion:130 Resp: 58691

Ion Ratio Lower Upper

130 100

95 102.2 0.0 200.4





#49

1,4-Dioxane

Concen: 6.659 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN083892.D

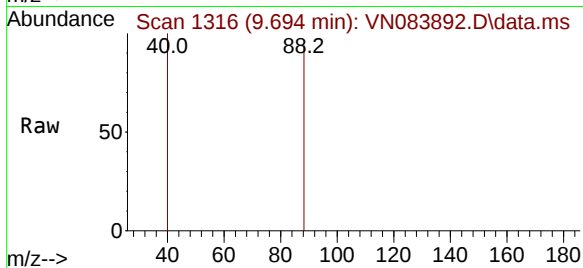
Acq: 14 Sep 2024 15:56

Instrument :

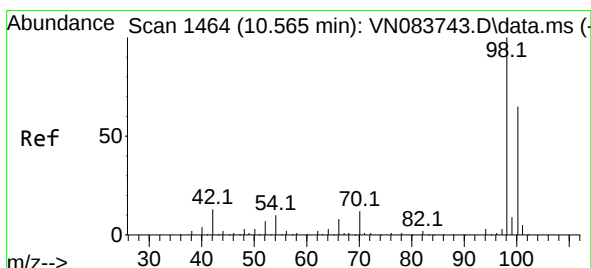
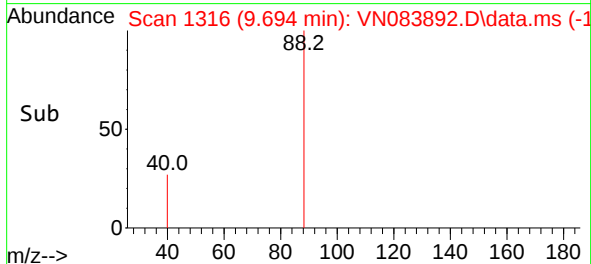
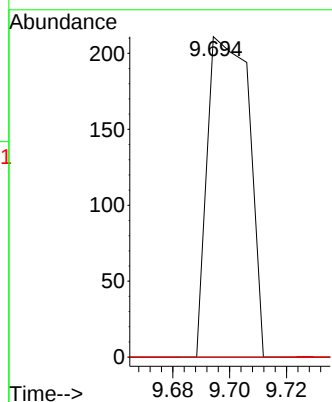
MSVOA_N

ClientSampleId :

DUPE1-20240911RE



Tgt Ion:	88	Resp:	214
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	57.1	85.7#



#50

Toluene-d8

Concen: 50.340 ug/l

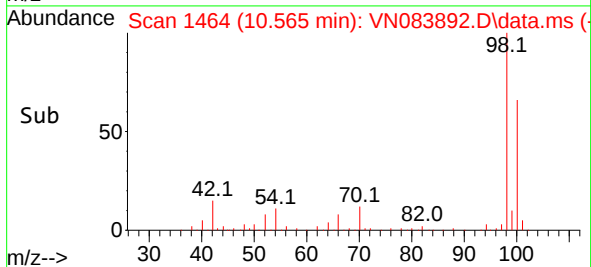
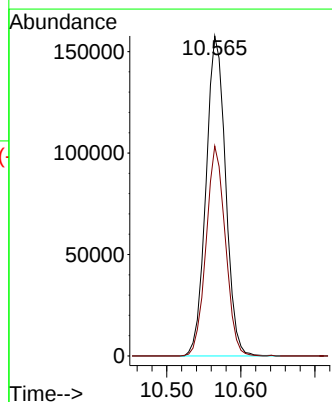
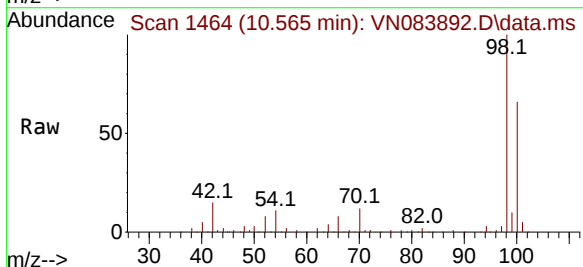
RT: 10.565 min Scan# 1464

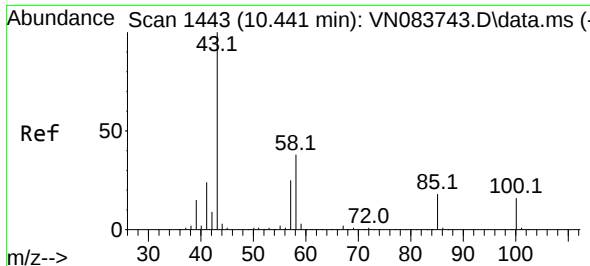
Delta R.T. 0.000 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Tgt Ion:	98	Resp:	289411
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 0.662 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

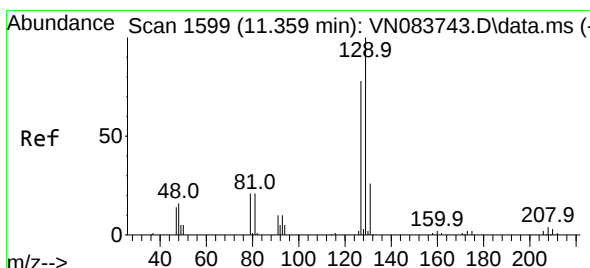
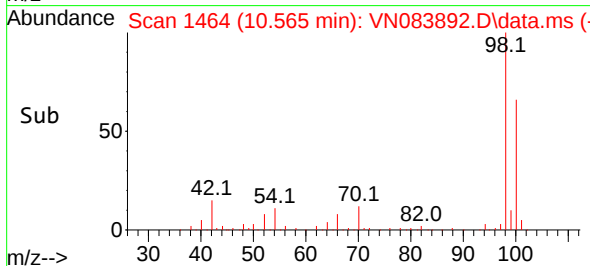
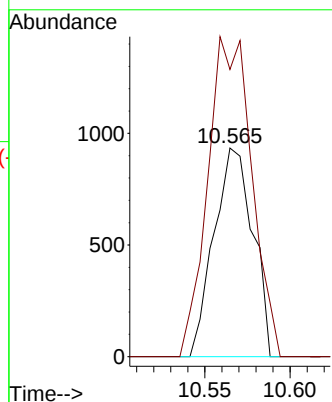
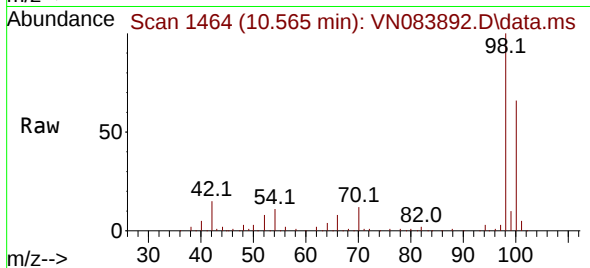
DUPE1-20240911RE

Tgt Ion: 43 Resp: 1483

Ion Ratio Lower Upper

43 100

58 173.2 31.6 47.4#



#60

Dibromochloromethane

Concen: 1.808 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083892.D

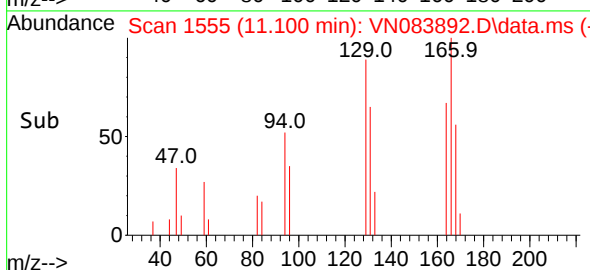
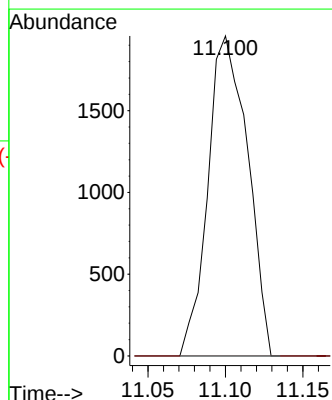
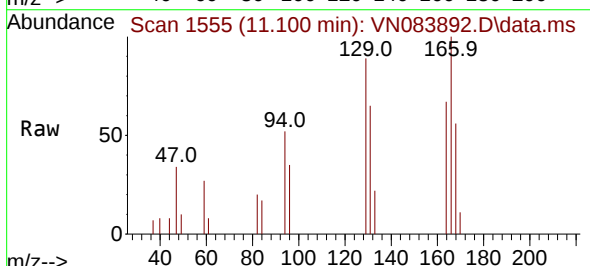
Acq: 14 Sep 2024 15:56

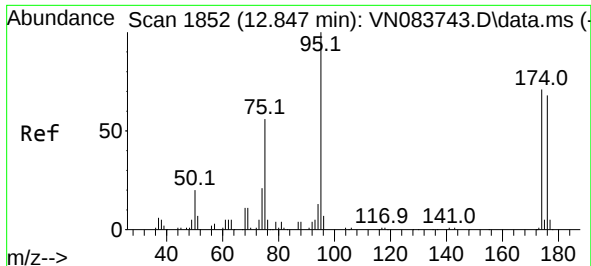
Tgt Ion: 129 Resp: 3482

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

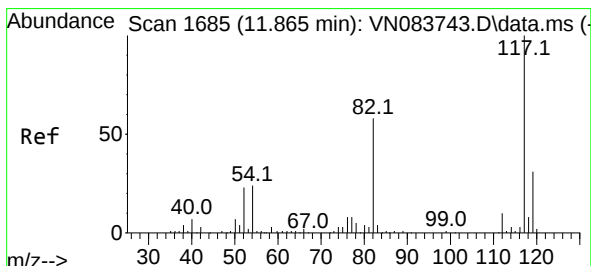
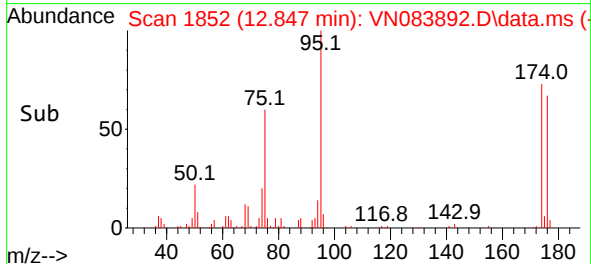
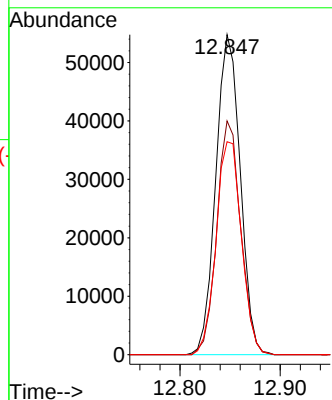
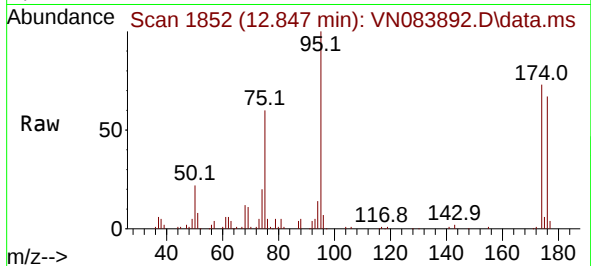




#62
4-Bromofluorobenzene
Concen: 39.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

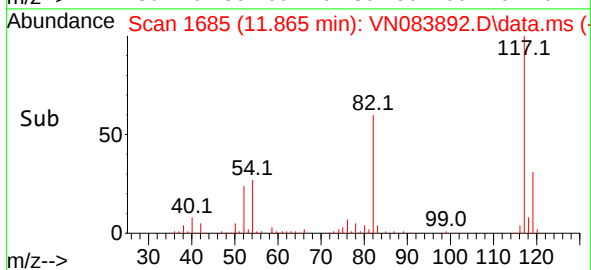
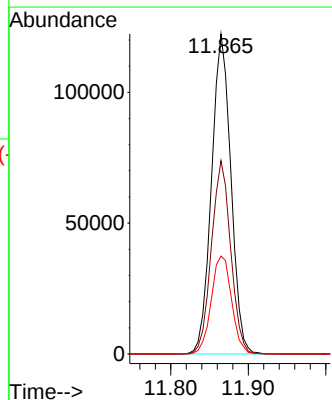
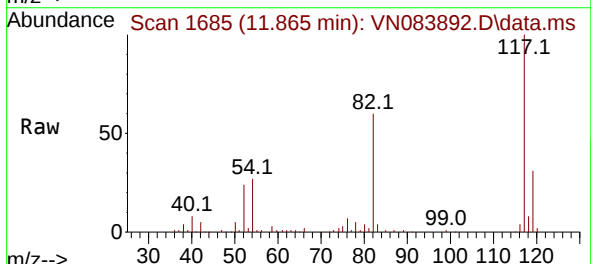
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE

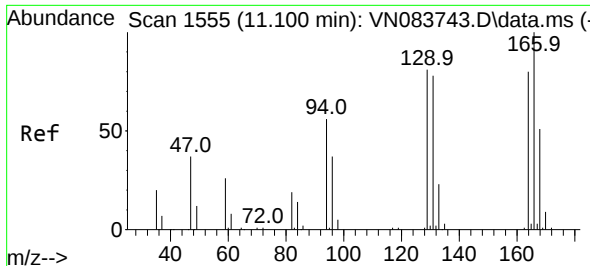
Tgt Ion: 95 Resp: 92698
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.8
176 69.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

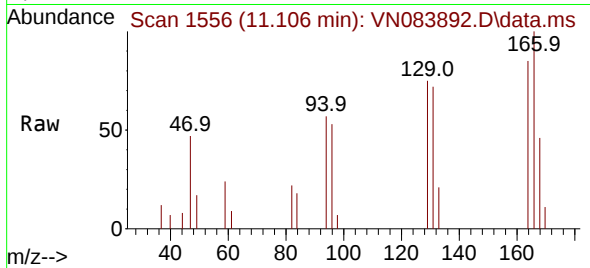
Tgt Ion: 117 Resp: 212284
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.0
119 30.6 26.3 39.5



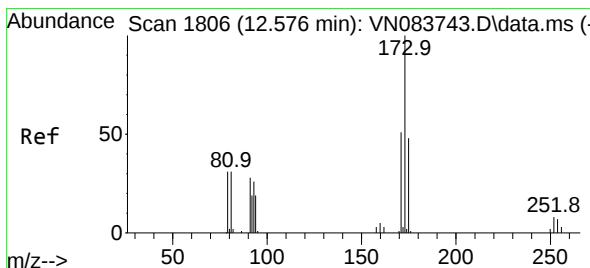
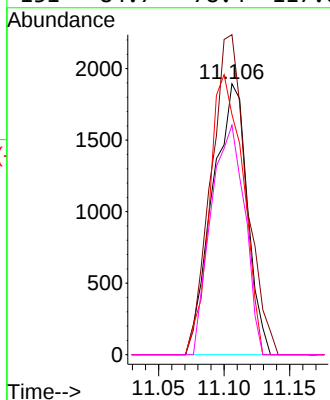
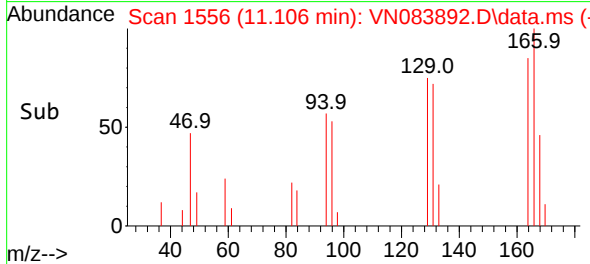


#64
Tetrachloroethene
Concen: 2.478 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

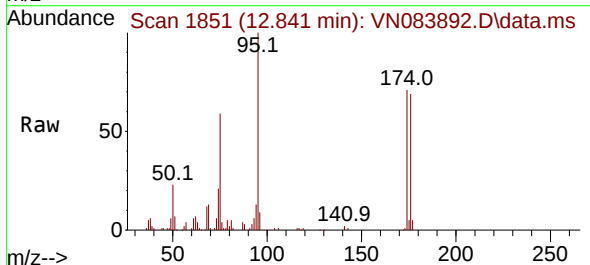
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE



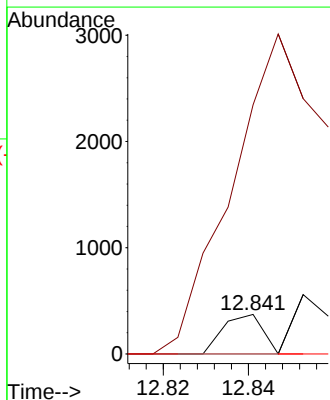
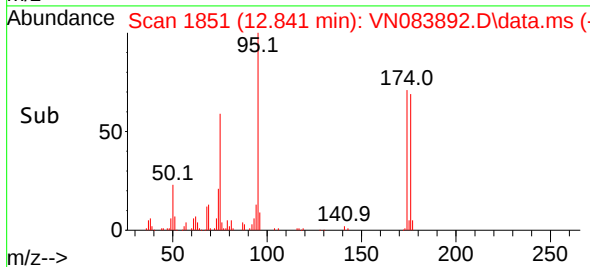
Tgt Ion:164 Resp: 3498
Ion Ratio Lower Upper
164 100
166 118.1 103.7 155.5
129 88.6 79.9 119.9
131 84.7 78.4 117.6

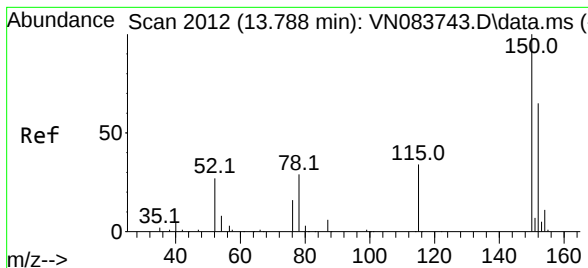


#71
Bromoform
Concen: 0.218 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56



Tgt Ion:173 Resp: 240
Ion Ratio Lower Upper
173 100
175 1507.5 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN083892.D

Acq: 14 Sep 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911RE

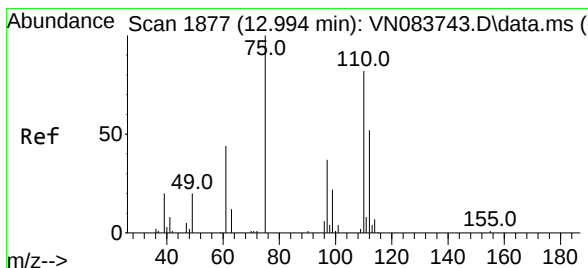
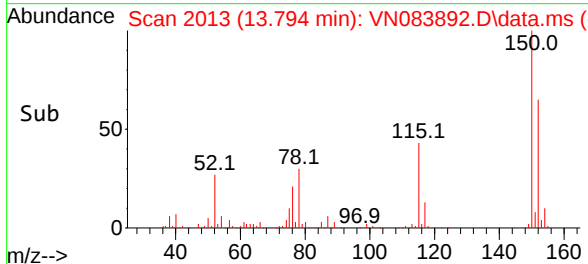
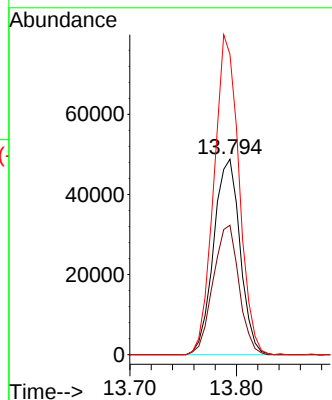
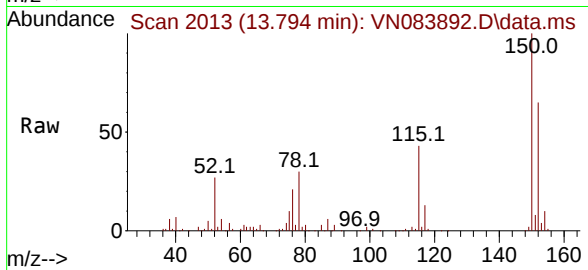
Tgt Ion:152 Resp: 84099

Ion Ratio Lower Upper

152 100

115 64.9 32.2 96.6

150 155.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 31.489 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083892.D

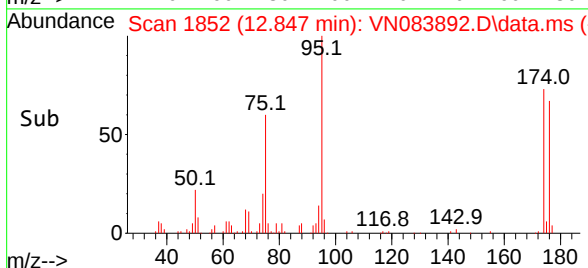
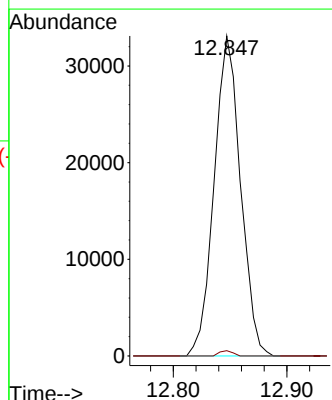
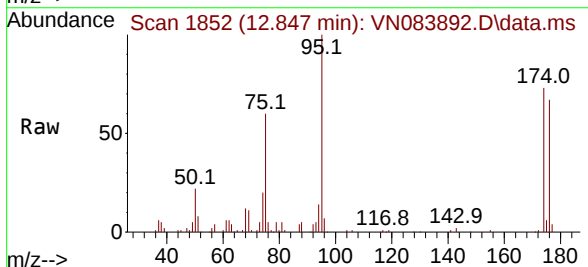
Acq: 14 Sep 2024 15:56

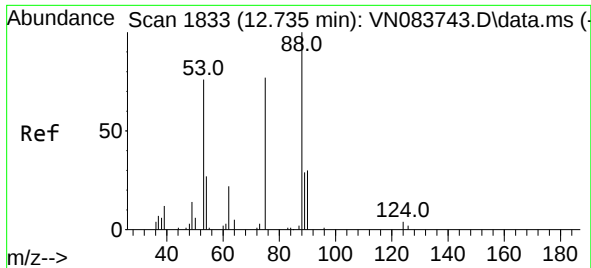
Tgt Ion: 75 Resp: 53436

Ion Ratio Lower Upper

75 100

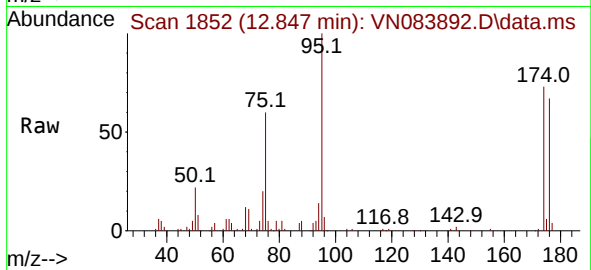
77 0.8 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.473 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083892.D
Acq: 14 Sep 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911RE



Tgt Ion: 75 Resp: 53436
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

