

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084141.D
 Acq On : 24 Sep 2024 17:55
 Operator : JC\MD
 Sample : P4116-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D2-20240917

Quant Time: Sep 25 01:38:15 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

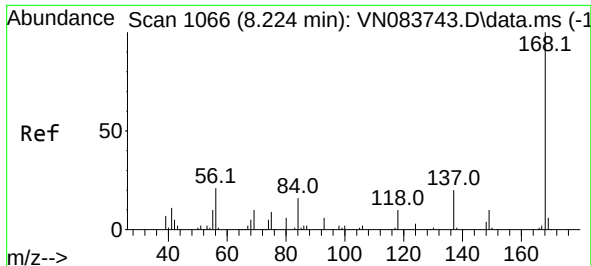
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	149150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117247	52.134	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.260%	
35) Dibromofluoromethane	8.165	113	88341	52.795	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.600%	
50) Toluene-d8	10.565	98	319871	55.297	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.600%	
62) 4-Bromofluorobenzene	12.847	95	106905	44.794	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	440	0.254	ug/l #	43
3) Chloromethane	2.359	50	756	Below Cal		95
9) 1,1,2-Trichlorotrifluo...	4.377	101	248650	145.564	ug/l	99
12) 1,1-Dichloroethene	4.342	96	2923	1.812	ug/l #	90
16) Acetone	4.430	43	212	0.235	ug/l #	45
18) Methyl Acetate	5.042	43	134	Below Cal	#	52
24) 1,1-Dichloroethane	6.559	63	715	0.210	ug/l #	82
27) cis-1,2-Dichloroethene	7.489	96	8223	4.007	ug/l	90
30) Chloroform	7.971	83	1250	0.345	ug/l	99
31) Cyclohexane	8.230	56	3858	1.187	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	13818	5.487	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16822	5.887	ug/l #	18
39) Methylcyclohexane	9.347	83	4761	1.661	ug/l #	1
42) 1,2-Dichloroethane	8.665	62	1037	0.366	ug/l #	77
43) Isopropyl Acetate	8.688	43	3317	0.801	ug/l #	57
44) Trichloroethene	9.353	130	331806	189.017	ug/l	97
45) 1,2-Dichloropropane	9.347	63	1229	0.671	ug/l #	1
49) 1,4-Dioxane	9.706	88	1211	37.454	ug/l #	100
51) 4-Methyl-2-Pentanone	10.565	43	1699	0.753	ug/l #	1
60) Dibromochloromethane	11.106	129	28142	14.527	ug/l #	10
64) Tetrachloroethene	11.100	164	28576	19.155	ug/l	90
71) Bromoform	12.841	173	252	0.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59564	33.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59564	86.756	ug/l #	9

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

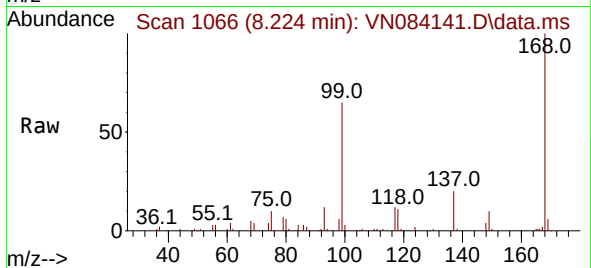
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



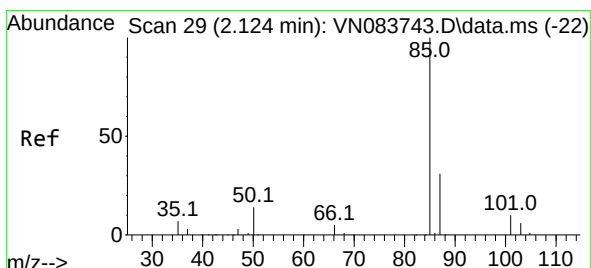
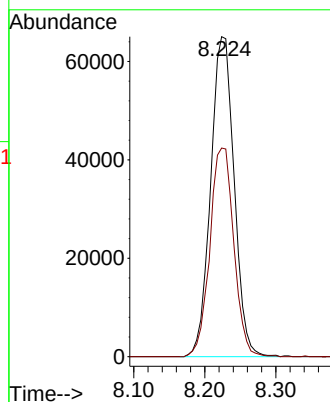
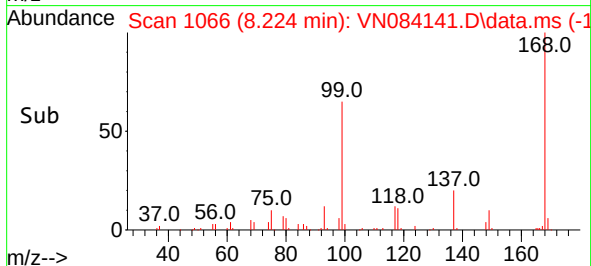


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

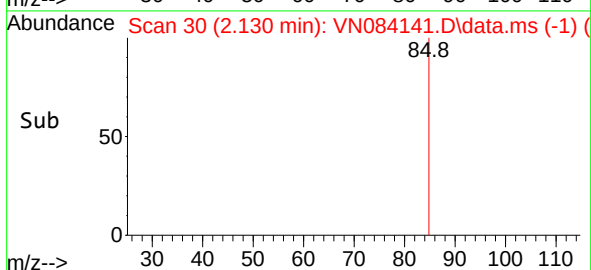
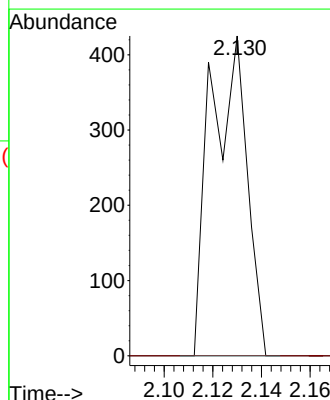
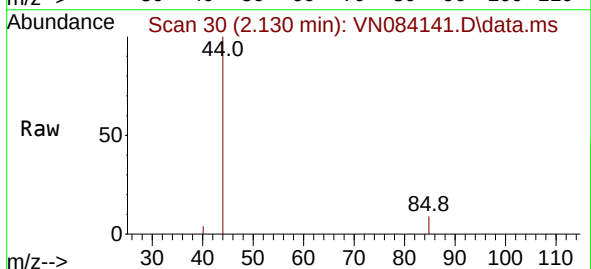


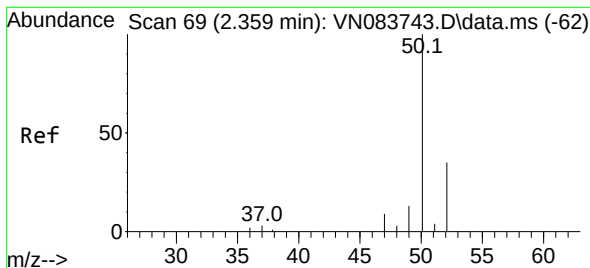
Tgt Ion:168 Resp: 149150
Ion Ratio Lower Upper
168 100
99 65.2 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.254 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion: 85 Resp: 440
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#





#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

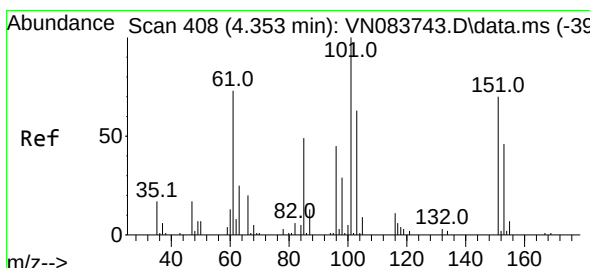
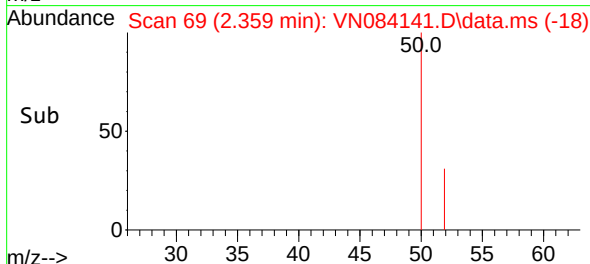
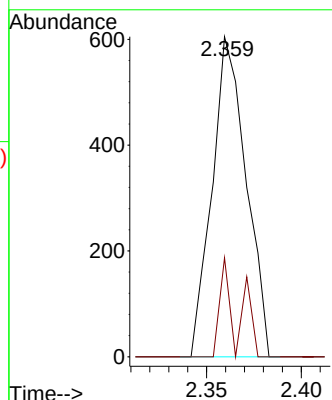
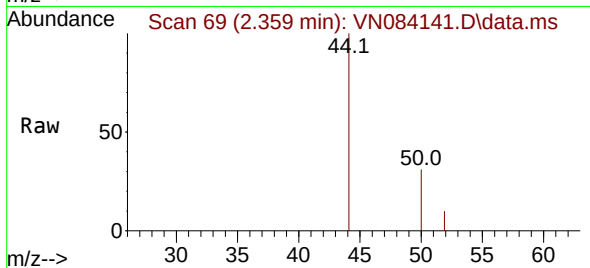
RE131D2-20240917

Tgt Ion: 50 Resp: 756

Ion Ratio Lower Upper

50 100

52 30.9 27.2 40.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.564 ug/l

RT: 4.377 min Scan# 412

Delta R.T. 0.024 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

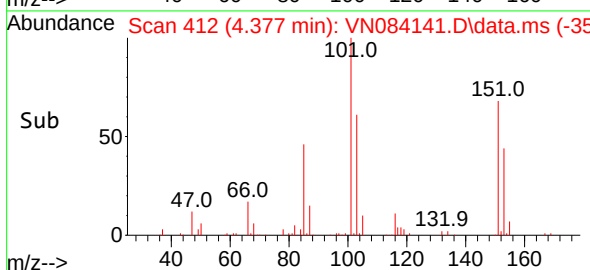
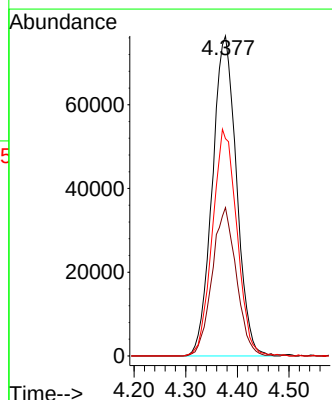
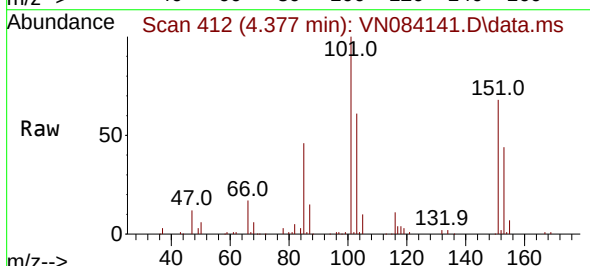
Tgt Ion: 101 Resp: 248650

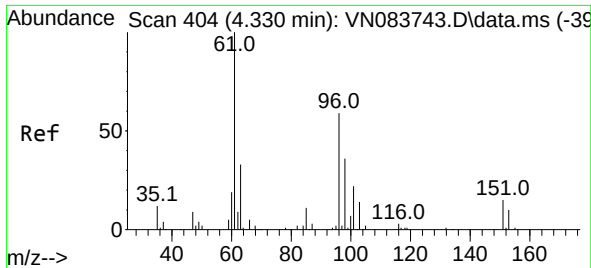
Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.4

151 71.8 57.7 86.5

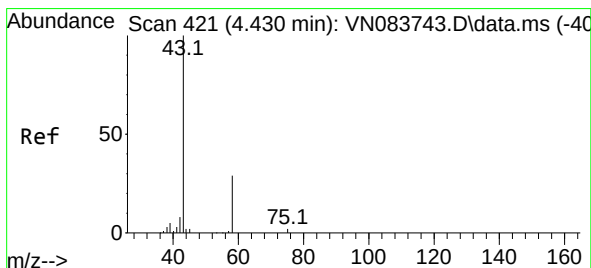
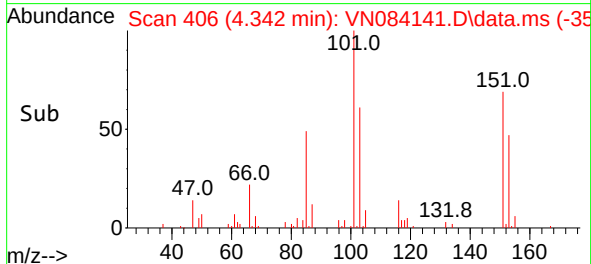
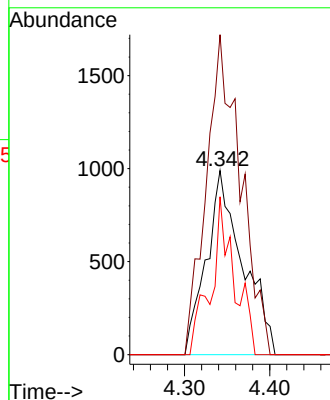
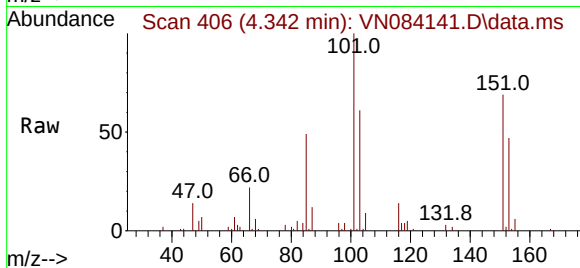




#12
1,1-Dichloroethene
Concen: 1.812 ug/l
RT: 4.342 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

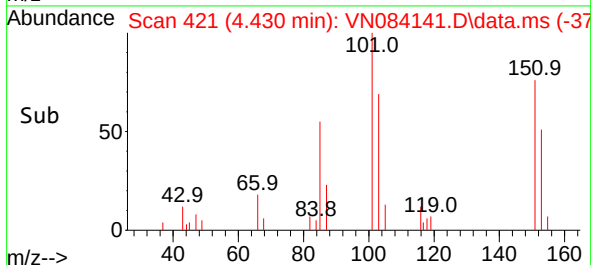
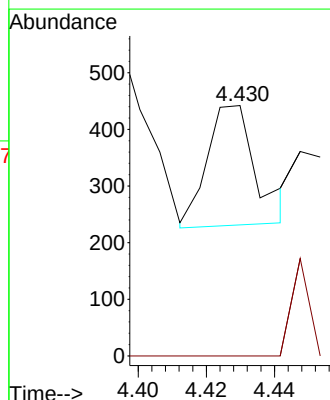
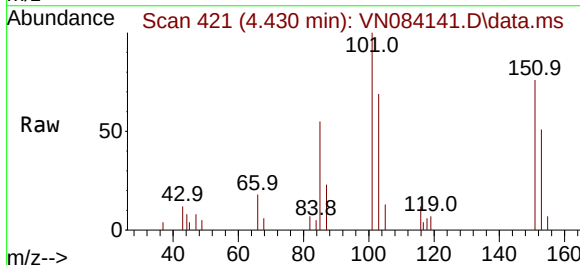
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

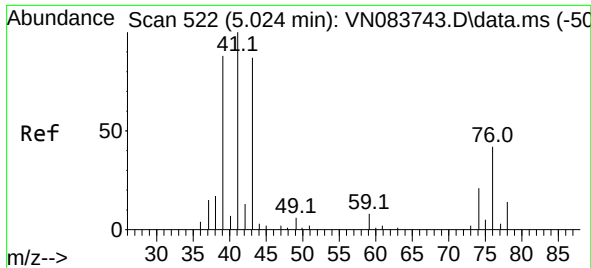
Tgt Ion: 96 Resp: 2923
Ion Ratio Lower Upper
96 100
61 173.7 143.4 215.0
98 85.8 52.7 79.1#



#16
Acetone
Concen: 0.235 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.042 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN084141.D

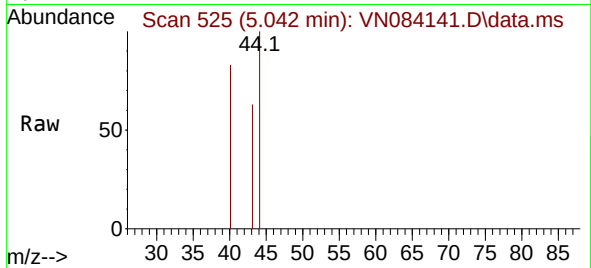
Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20240917

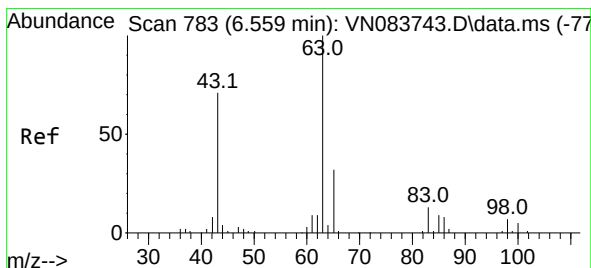
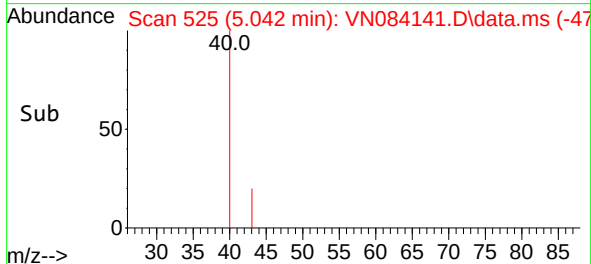
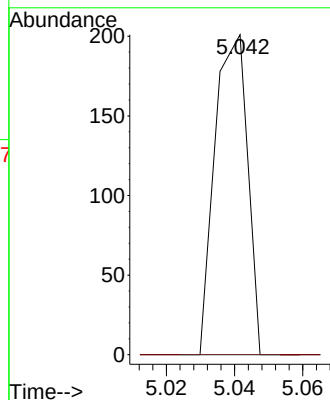


Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#24

1,1-Dichloroethane

Concen: 0.210 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

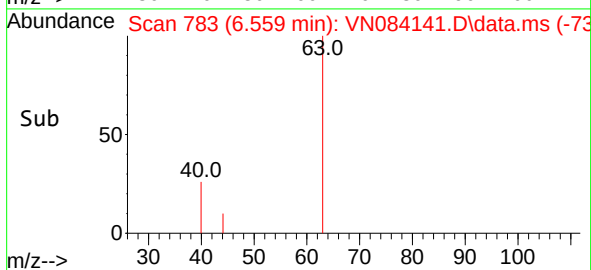
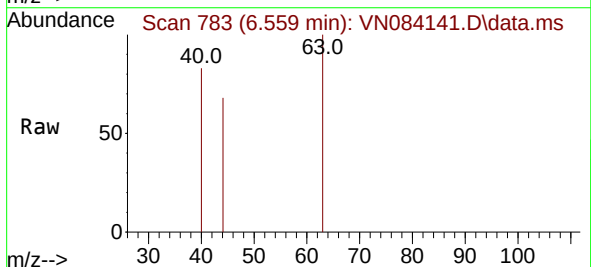
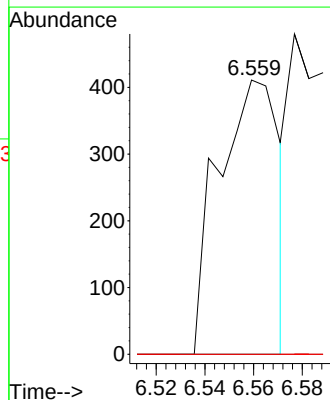
Tgt Ion: 63 Resp: 715

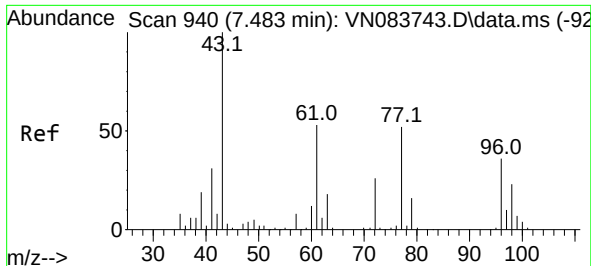
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

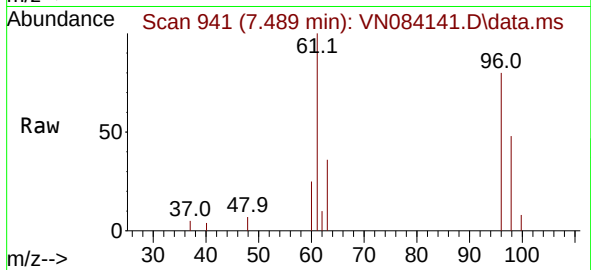
100 0.0 2.5 7.5#



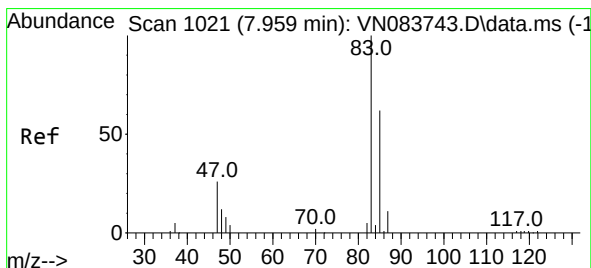
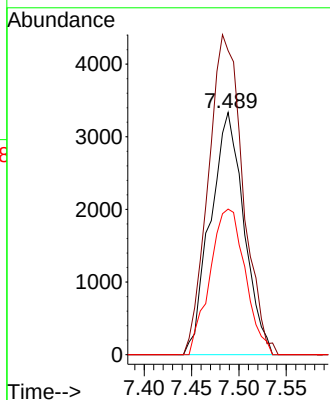
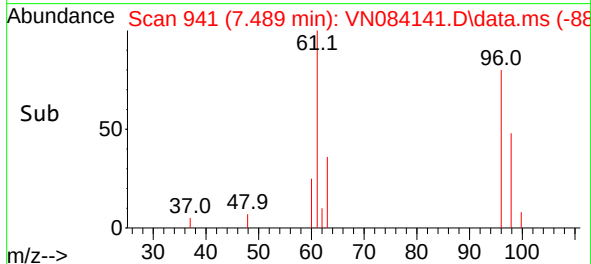


#27
cis-1,2-Dichloroethene
Concen: 4.007 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

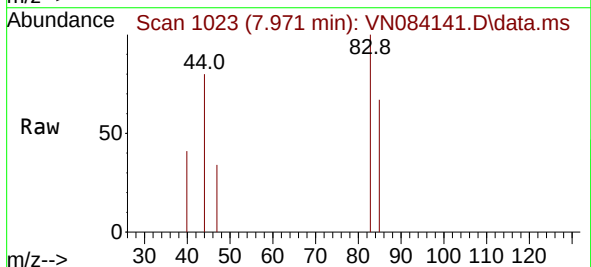
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917



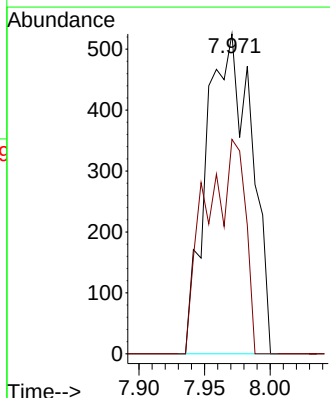
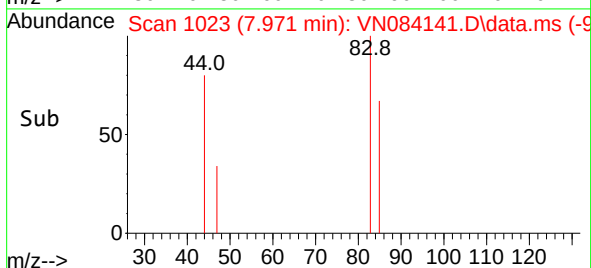
Tgt Ion:	96	Resp:	8223
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	306.2
98	63.2	0.0	128.6

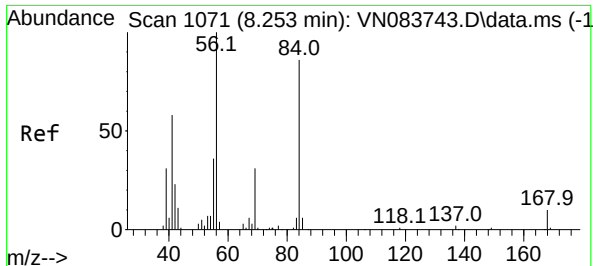


#30
Chloroform
Concen: 0.345 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55



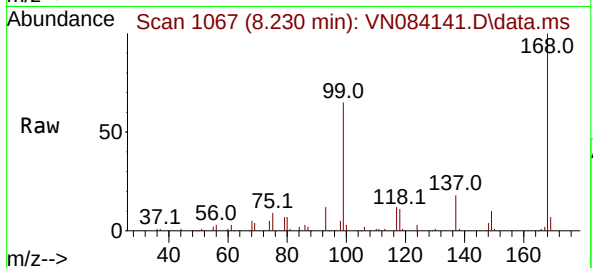
Tgt Ion:	83	Resp:	1250
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.8	79.2



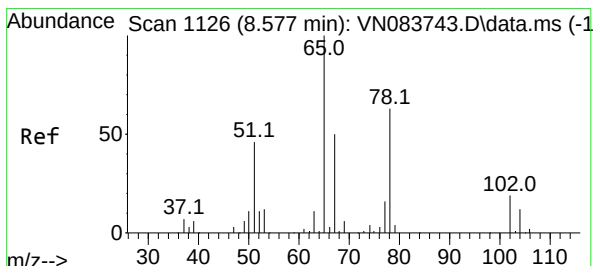
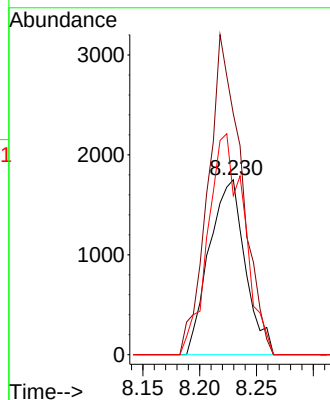
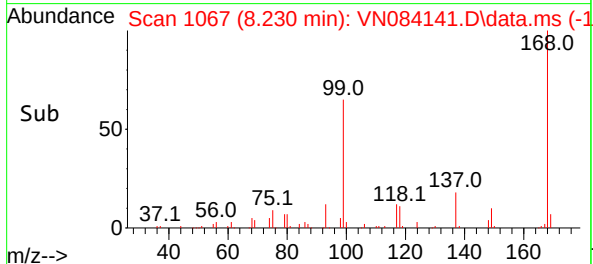


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

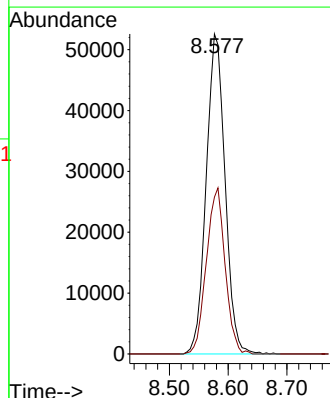
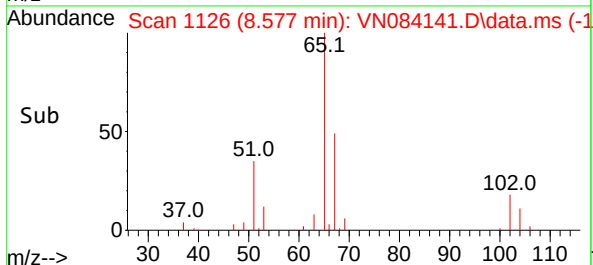
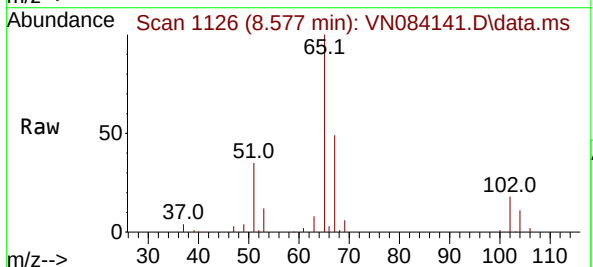


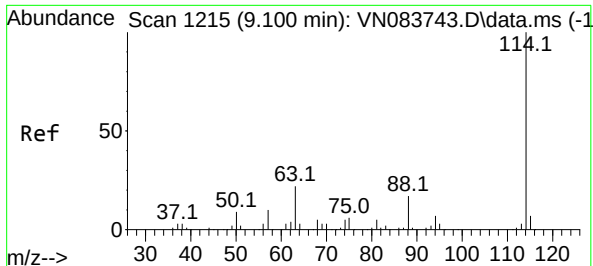
Tgt Ion: 56 Resp: 3858
Ion Ratio Lower Upper
56 100
69 137.7 26.9 40.3#
84 90.9 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 52.134 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion: 65 Resp: 117247
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20240917

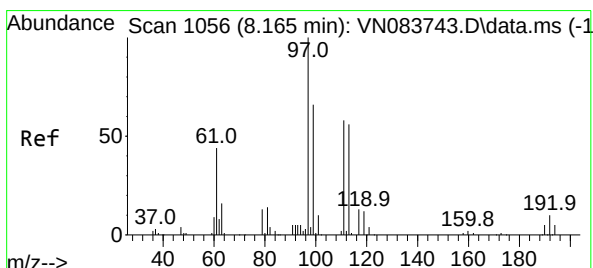
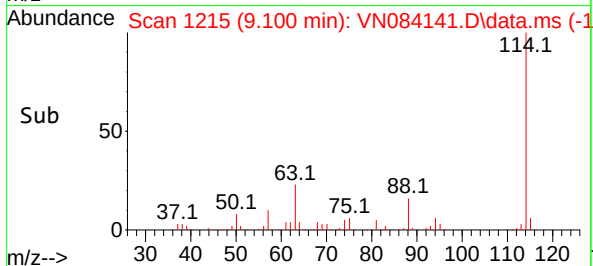
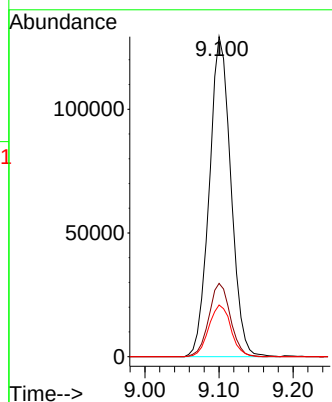
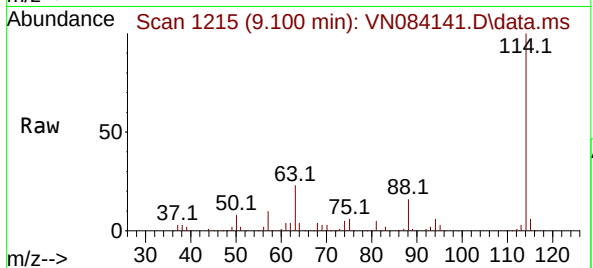
Tgt Ion:114 Resp: 261373

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.795 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

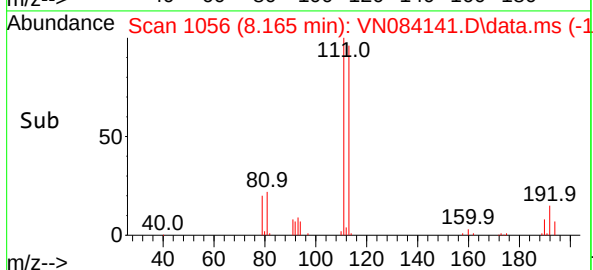
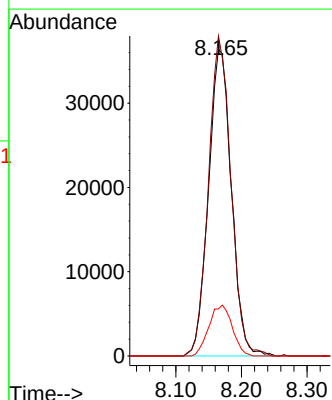
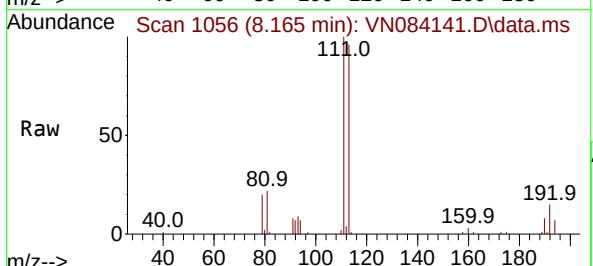
Tgt Ion:113 Resp: 88341

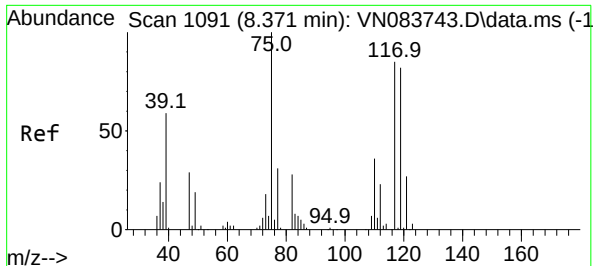
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.487 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084141.D

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Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20240917

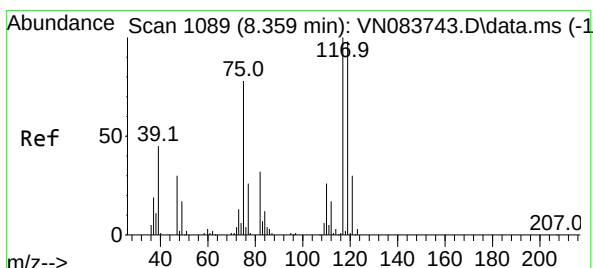
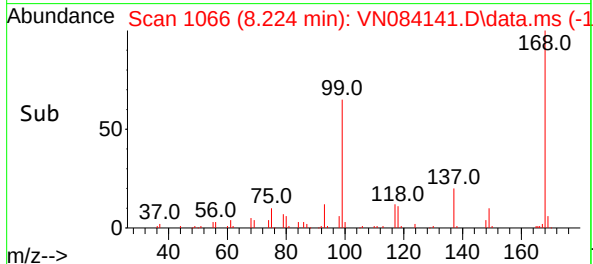
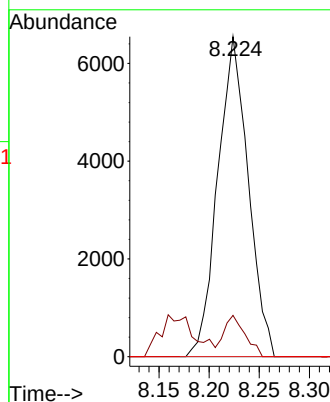
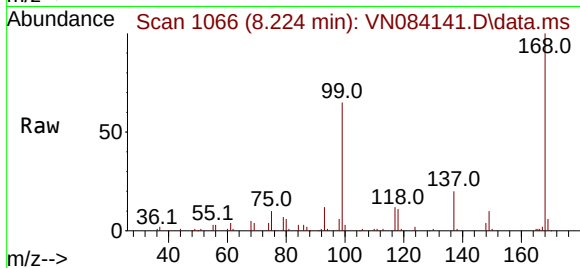
Tgt Ion: 75 Resp: 13818

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

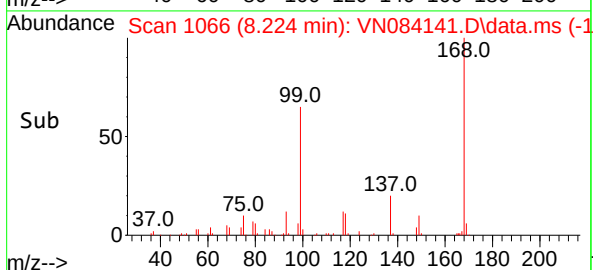
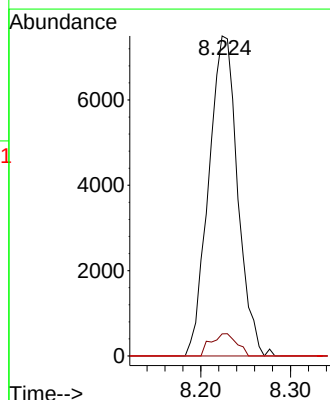
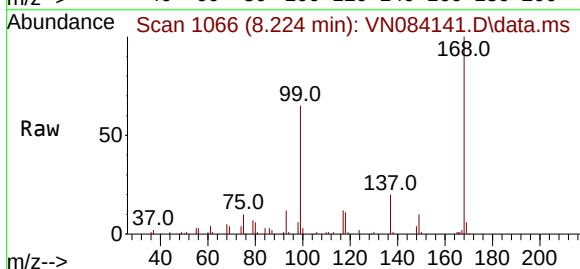
Tgt Ion: 117 Resp: 16822

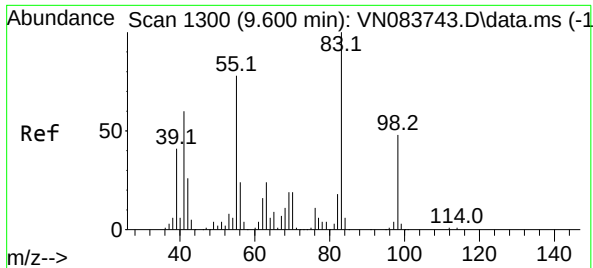
Ion Ratio Lower Upper

117 100

119 6.9 76.1 114.1#

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 1.661 ug/l

RT: 9.347 min Scan# 1125

Delta R.T. -0.253 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20240917

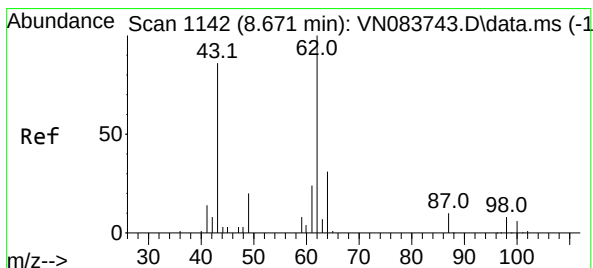
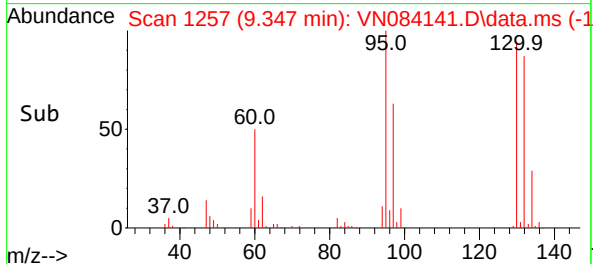
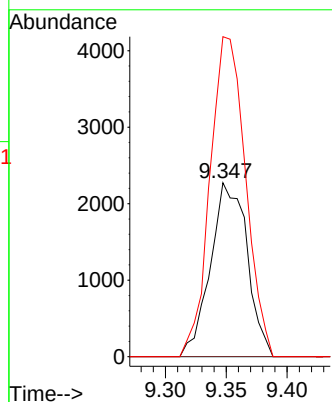
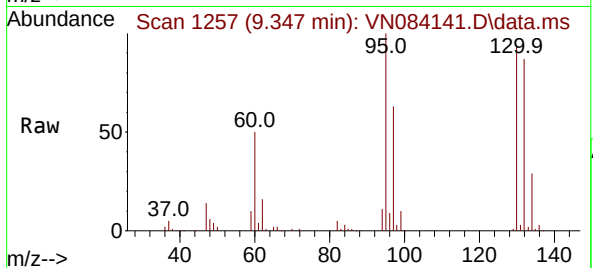
Tgt Ion: 83 Resp: 4761

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 183.9 37.6 56.4#



#42

1,2-Dichloroethane

Concen: 0.366 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN084141.D

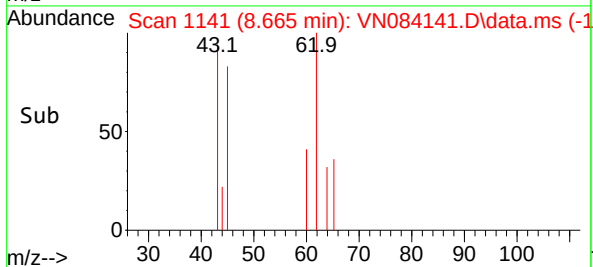
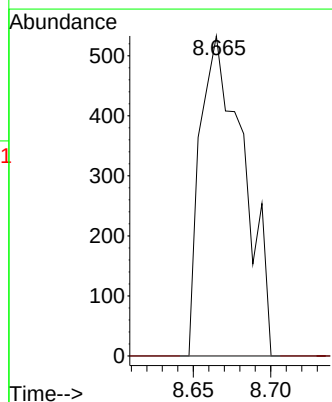
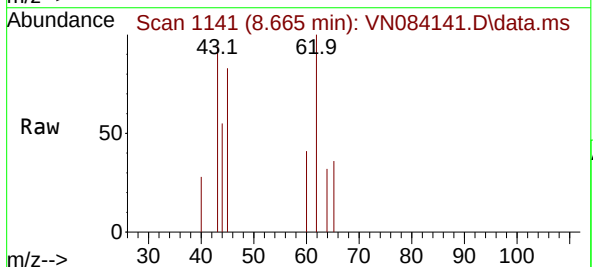
Acq: 24 Sep 2024 17:55

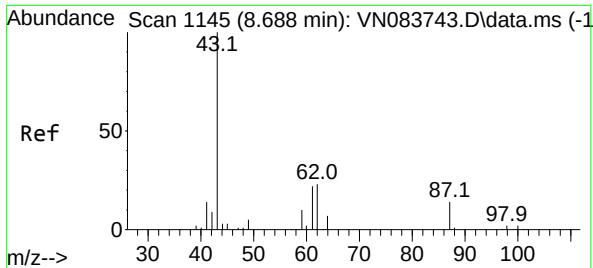
Tgt Ion: 62 Resp: 1037

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 0.801 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE131D2-20240917

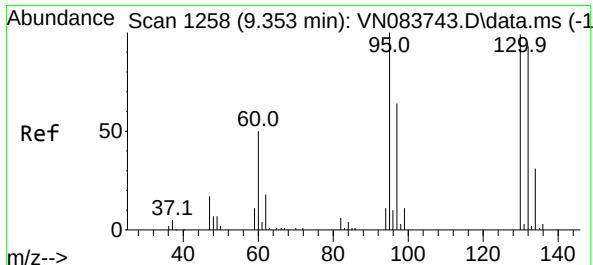
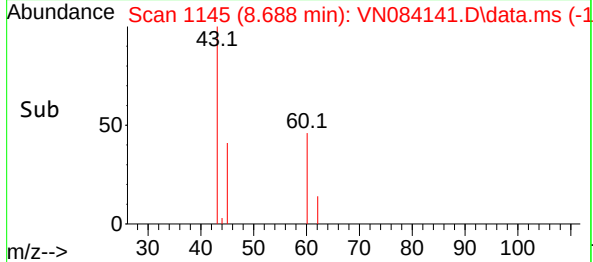
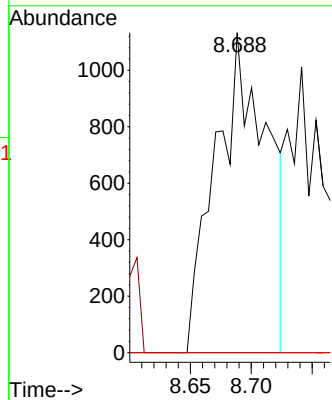
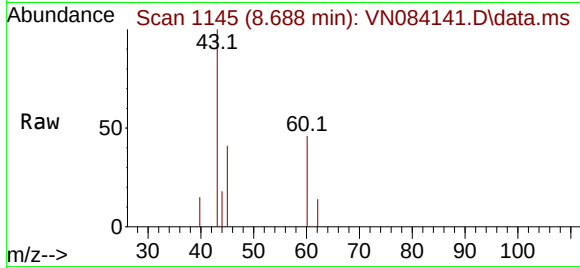
Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 189.017 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN084141.D

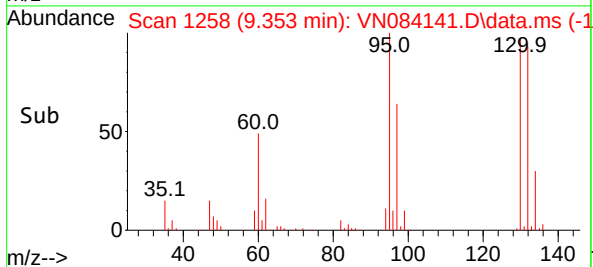
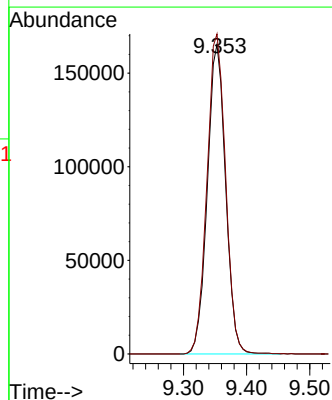
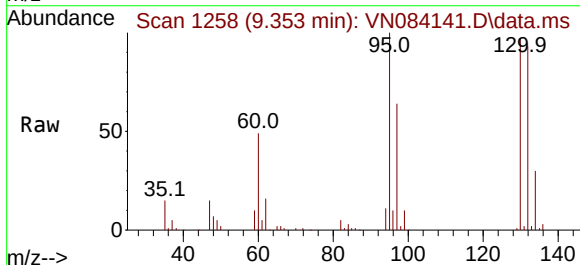
Acq: 24 Sep 2024 17:55

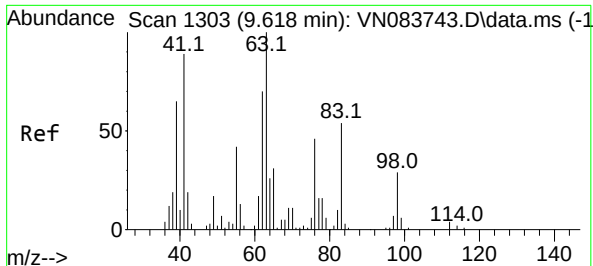
Tgt Ion:130 Resp: 331806

Ion Ratio Lower Upper

130 100

95 103.4 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.671 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

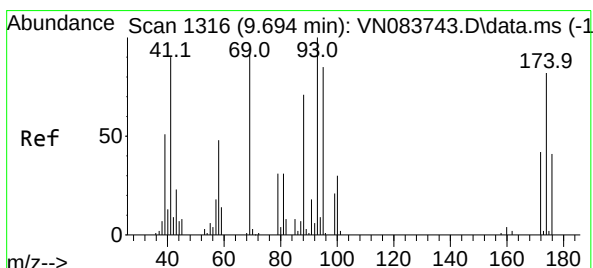
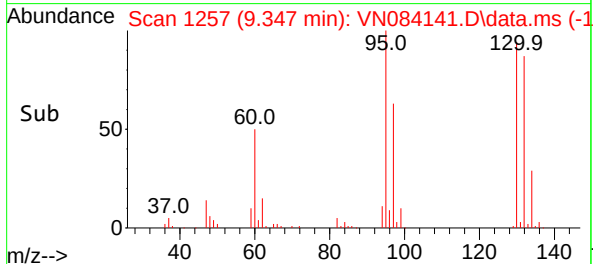
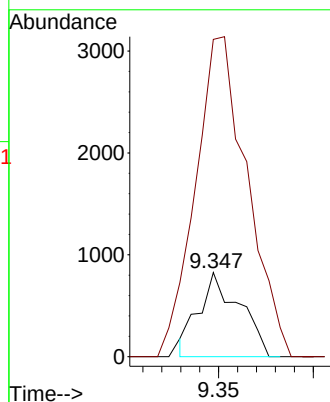
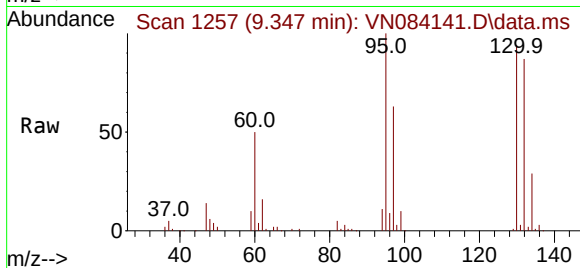
RE131D2-20240917

Tgt Ion: 63 Resp: 1229

Ion Ratio Lower Upper

63 100

65 342.0 25.9 38.9#



#49

1,4-Dioxane

Concen: 37.454 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.012 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

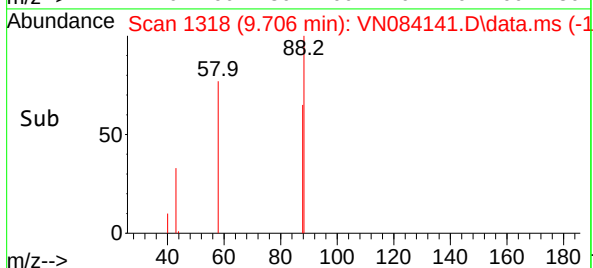
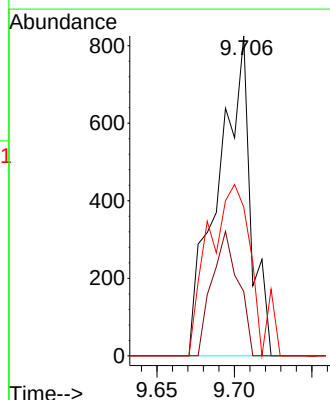
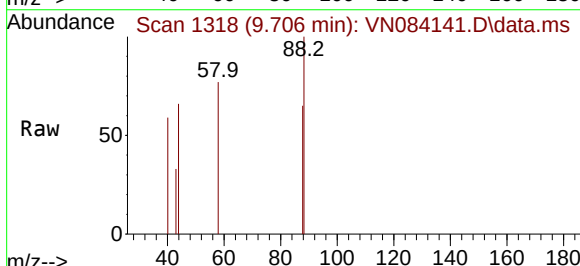
Tgt Ion: 88 Resp: 1211

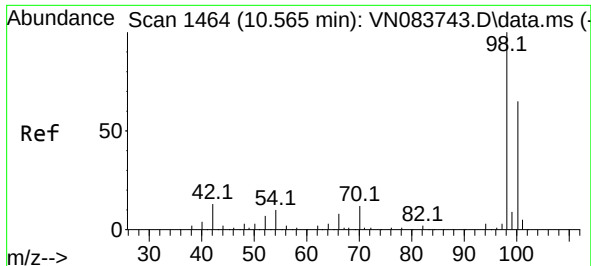
Ion Ratio Lower Upper

88 100

43 31.5 0.0 0.0#

58 71.1 57.1 85.7

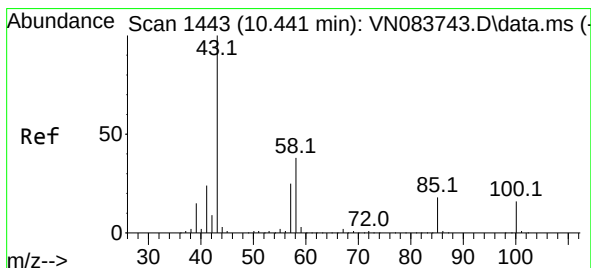
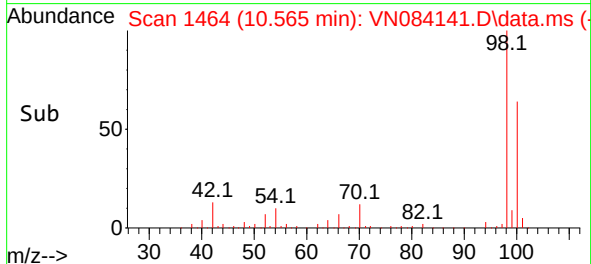
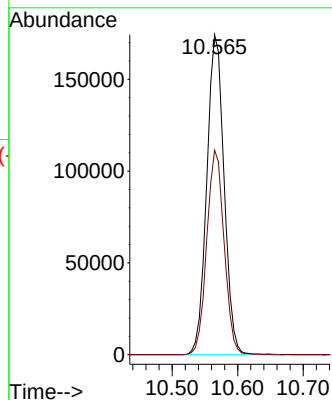
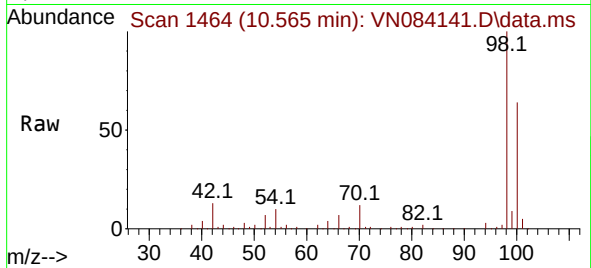




#50
Toluene-d8
Concen: 55.297 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

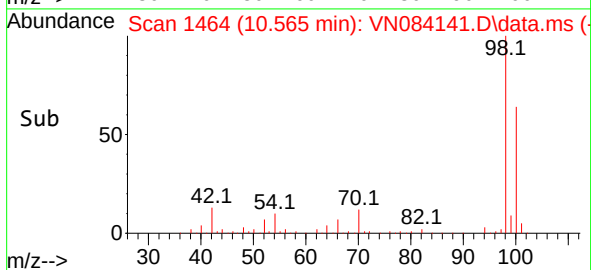
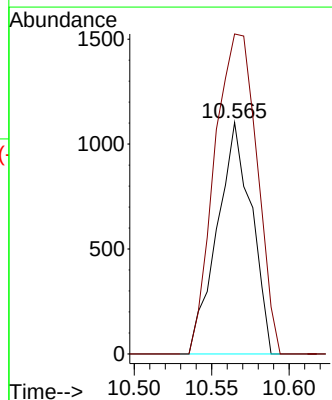
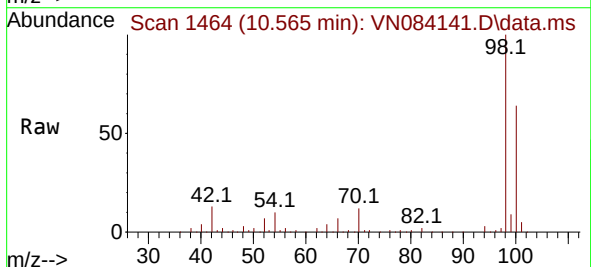
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

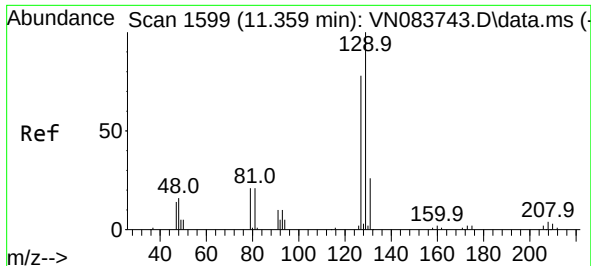
Tgt Ion: 98 Resp: 319871
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.753 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 170.6 31.6 47.4#

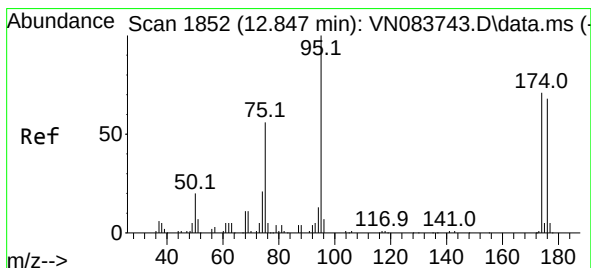
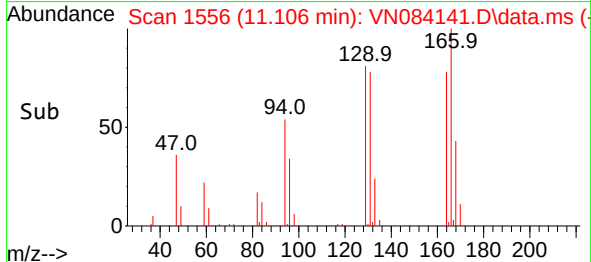
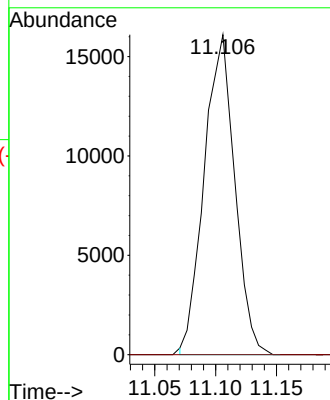
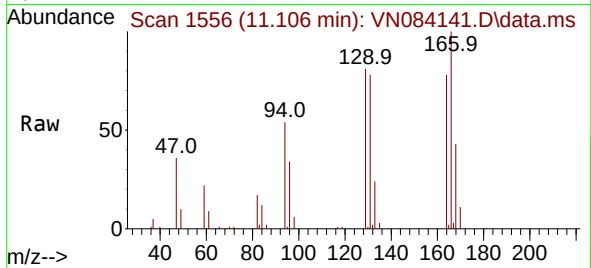




#60
Dibromochloromethane
Concen: 14.527 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

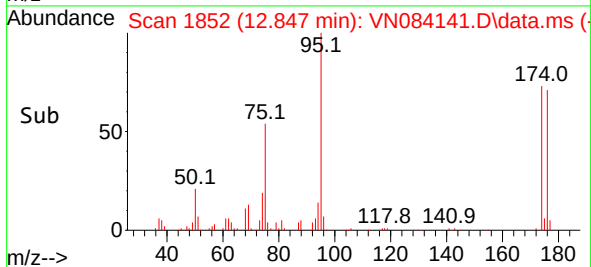
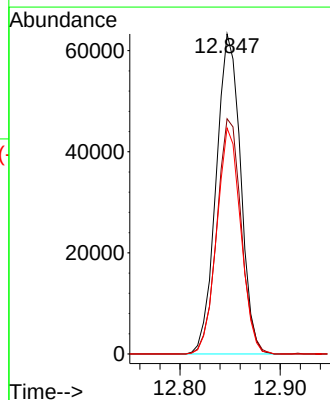
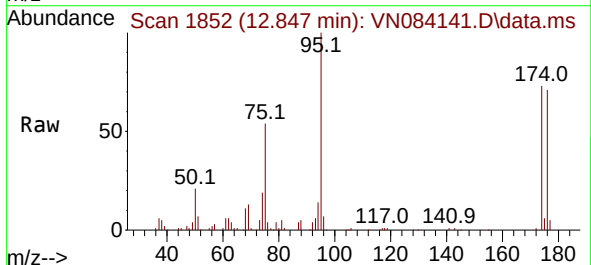
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

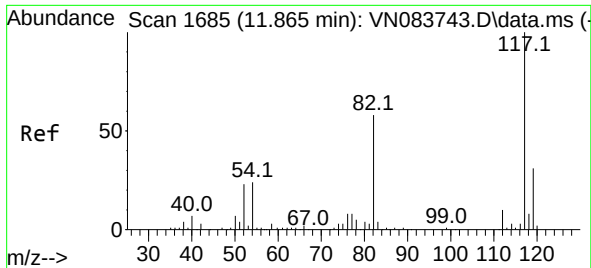
Tgt Ion:129 Resp: 28142
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 44.794 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion: 95 Resp: 106905
Ion Ratio Lower Upper
95 100
174 73.5 0.0 139.8
176 69.6 0.0 131.4

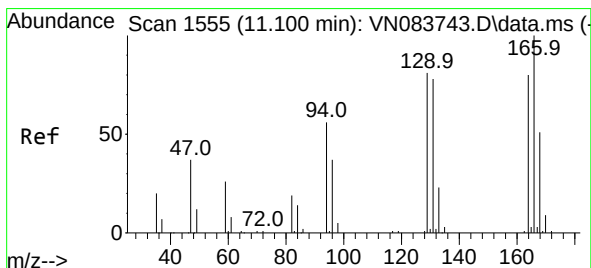
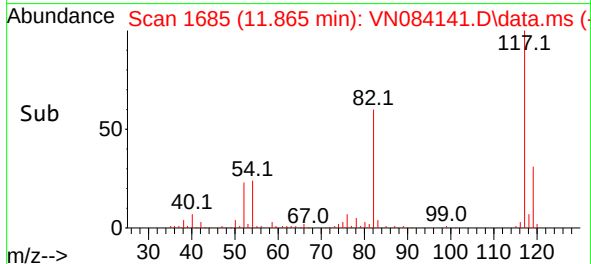
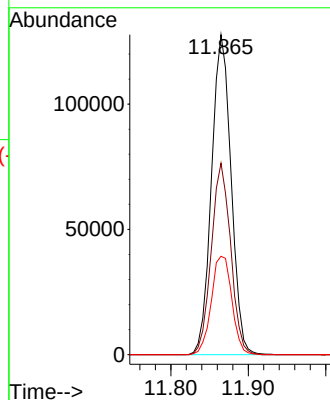
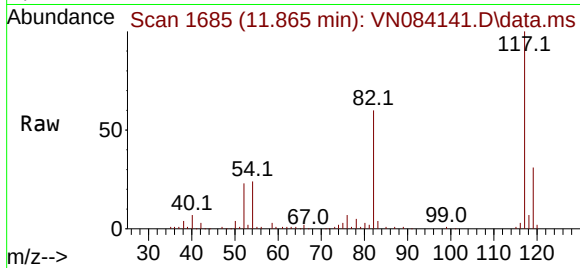




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

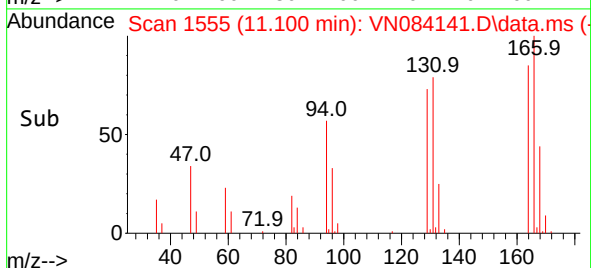
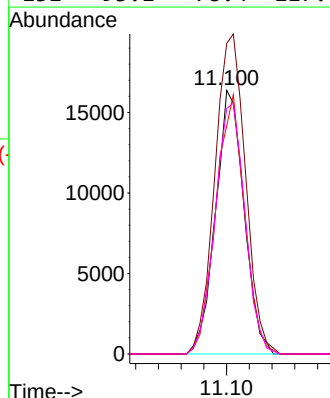
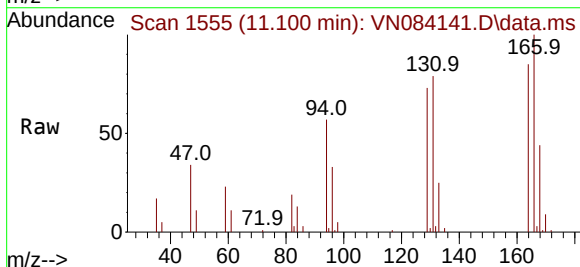
Instrument :
MSVOA_N
ClientSampleId :
RE131D2-20240917

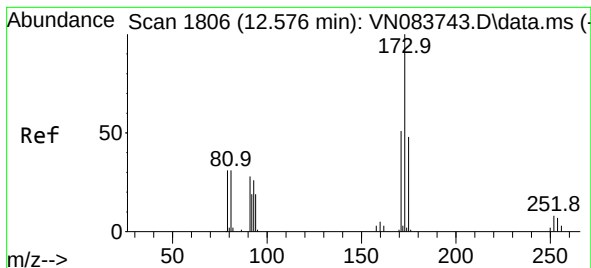
Tgt Ion:117 Resp: 224323
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.0
119 30.8 26.3 39.5



#64
Tetrachloroethene
Concen: 19.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084141.D
Acq: 24 Sep 2024 17:55

Tgt Ion:164 Resp: 28576
Ion Ratio Lower Upper
164 100
166 117.9 103.7 155.5
129 86.6 79.9 119.9
131 93.1 78.4 117.6





#71

Bromoform

Concen: 0.216 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN084141.D

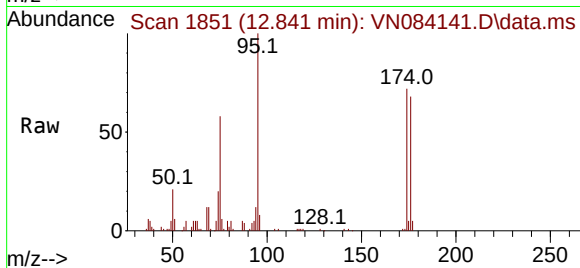
Acq: 24 Sep 2024 17:55

Instrument :

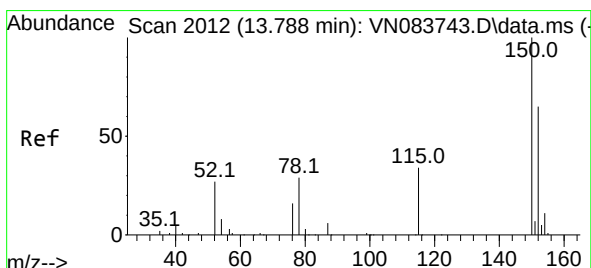
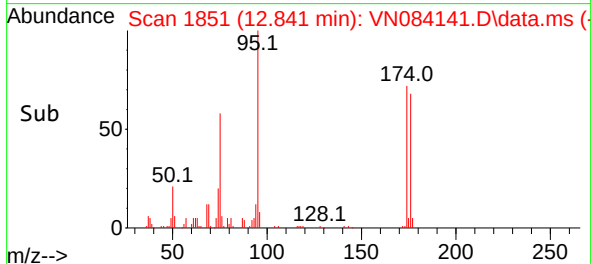
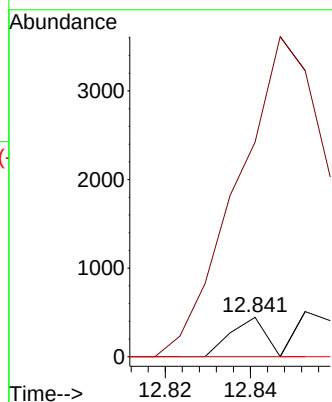
MSVOA_N

ClientSampleId :

RE131D2-20240917



Tgt Ion:	173	Resp:	252
Ion Ratio	Lower	Upper	
173	100		
175	1700.4	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

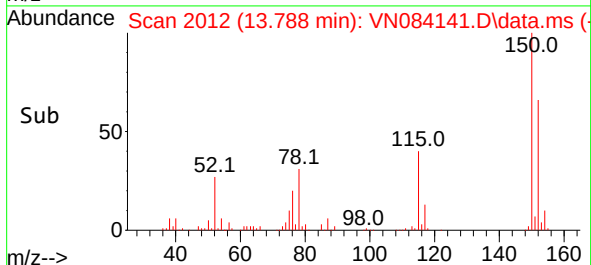
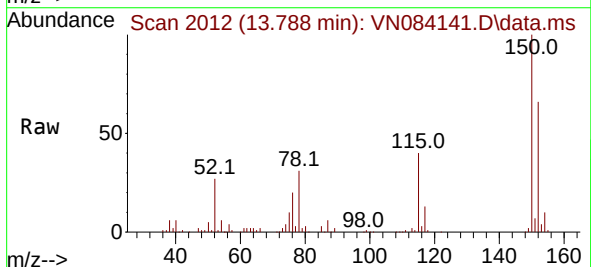
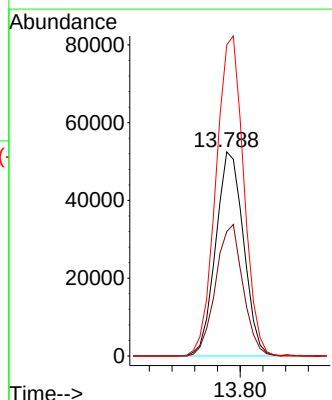
RT: 13.788 min Scan# 2012

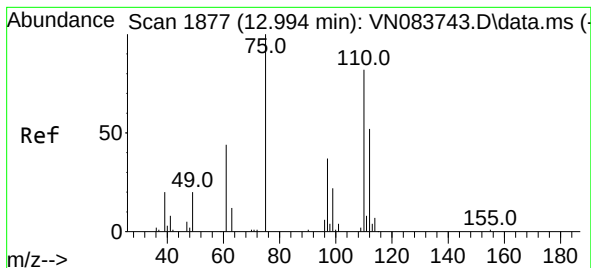
Delta R.T. 0.000 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Tgt Ion:	152	Resp:	89116
Ion Ratio	Lower	Upper	
152	100		
115	63.3	32.2	96.6
150	156.9	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 33.125 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Instrument :

MSVOA_N

ClientSampleId :

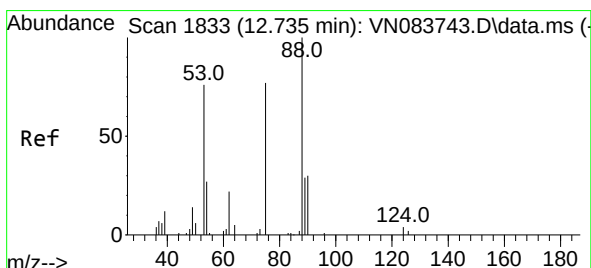
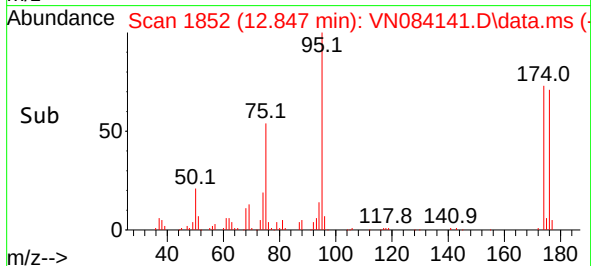
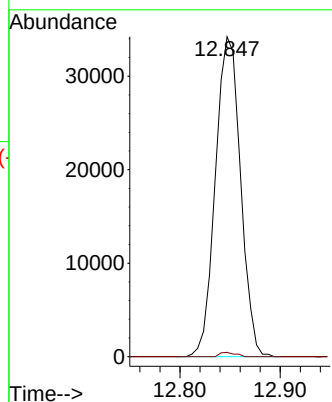
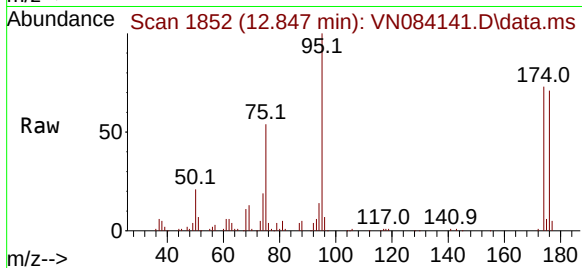
RE131D2-20240917

Tgt Ion: 75 Resp: 59564

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.756 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084141.D

Acq: 24 Sep 2024 17:55

Tgt Ion: 75 Resp: 59564

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

