

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084041.D
 Acq On : 19 Sep 2024 18:04
 Operator : JC\MD
 Sample : P4003-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20240912

Quant Time: Sep 20 01:34:51 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)

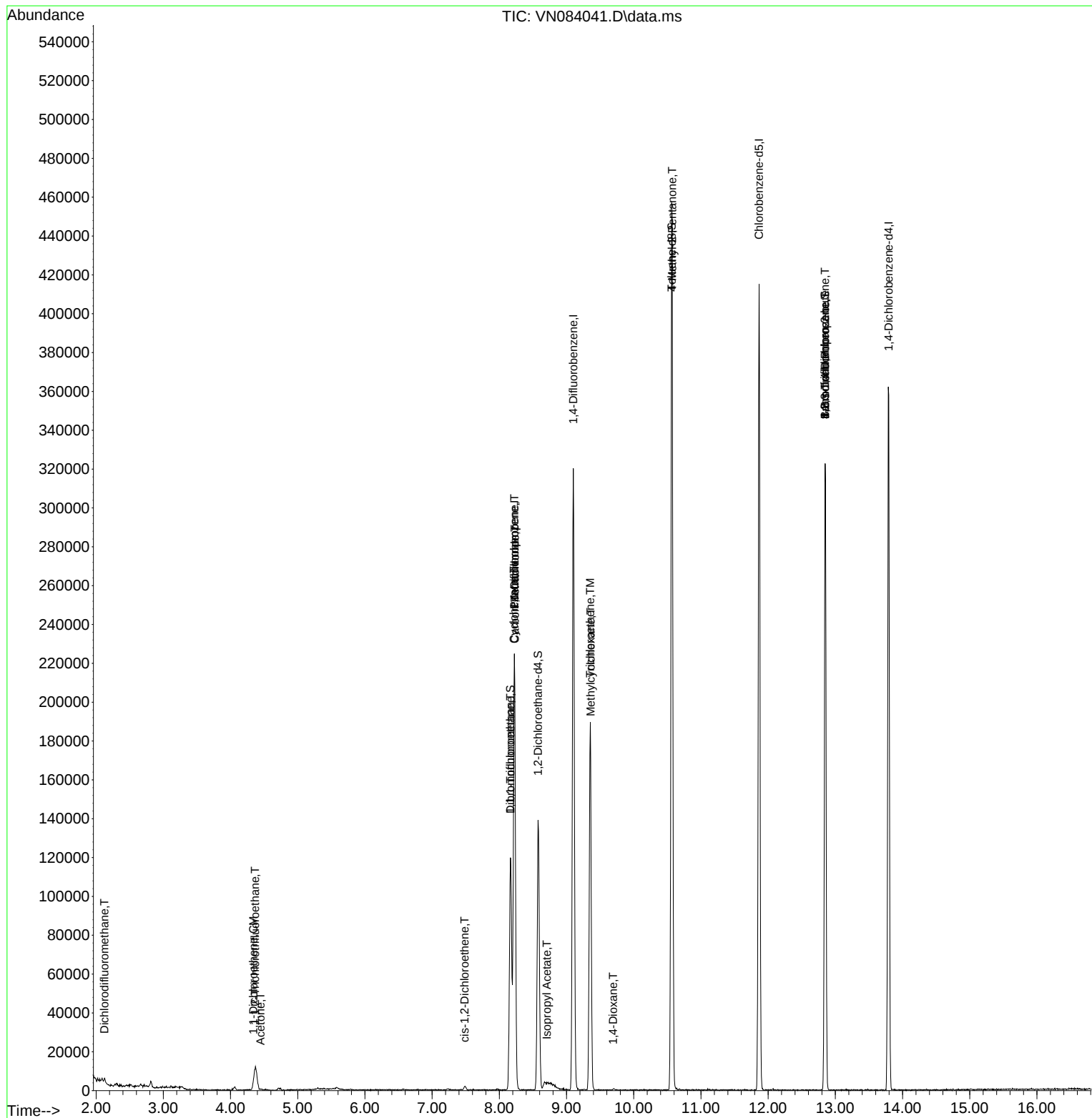
Internal Standards						
1) Pentafluorobenzene	8.224	168	148717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118532	52.858	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.720%	
35) Dibromofluoromethane	8.165	113	84071	51.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.000%	
50) Toluene-d8	10.565	98	308282	54.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	12.847	95	110025	46.797	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1492	0.864	ug/l	85
3) Chloromethane	2.360	50	730	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.365	101	8547	5.018	ug/l	98
12) 1,1-Dichloroethene	4.342	96	686	0.426	ug/l	97
16) Acetone	4.448	43	1078	1.199	ug/l #	45
18) Methyl Acetate	5.042	43	195	Below Cal	#	52
27) cis-1,2-Dichloroethene	7.483	96	1099	0.537	ug/l	94
31) Cyclohexane	8.218	56	4059	1.252	ug/l #	11
32) 1,1,1-Trichloroethane	8.165	97	1424	0.429	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	14410	5.808	ug/l #	50
38) Carbon Tetrachloride	8.230	117	17533	6.229	ug/l #	17
39) Methylcyclohexane	9.359	83	854	0.302	ug/l #	1
43) Isopropyl Acetate	8.706	43	953	0.234	ug/l #	57
44) Trichloroethene	9.353	130	63635	36.798	ug/l	97
49) 1,4-Dioxane	9.694	88	546	17.142	ug/l #	78
51) 4-Methyl-2-Pentanone	10.571	43	1586	0.714	ug/l #	1
71) Bromoform	12.847	173	656	0.573	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	65140	35.172	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65140	92.117	ug/l #	9

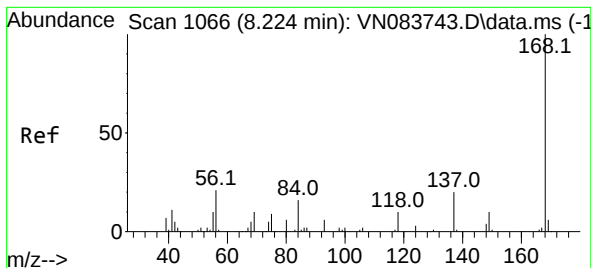
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 01:34:51 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: VN084041.D

Acq: 19 Sep 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

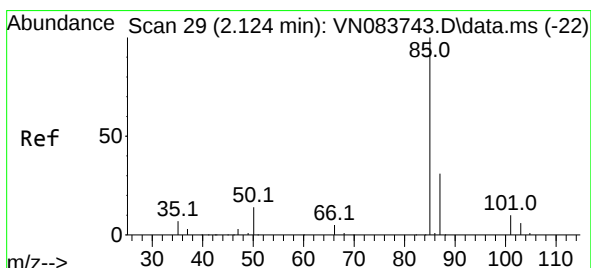
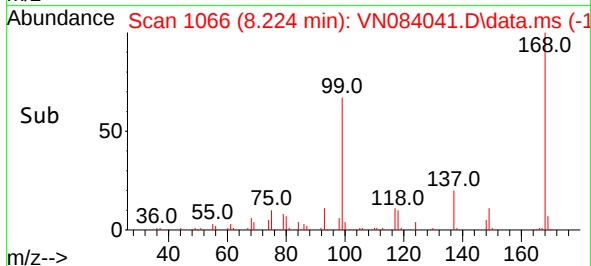
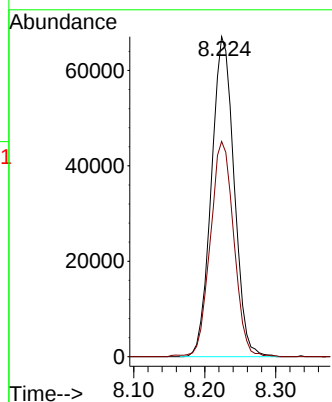
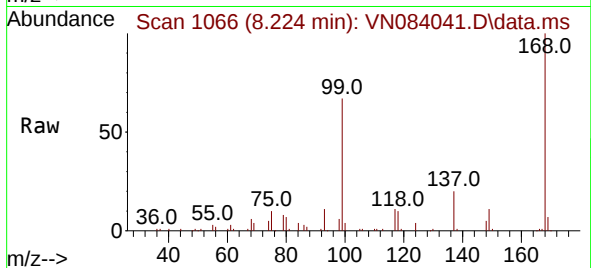
RE105D1-20240912

Tgt Ion:168 Resp: 148717

Ion Ratio Lower Upper

168 100

99 67.3 54.2 81.2



#2

Dichlorodifluoromethane

Concen: 0.864 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN084041.D

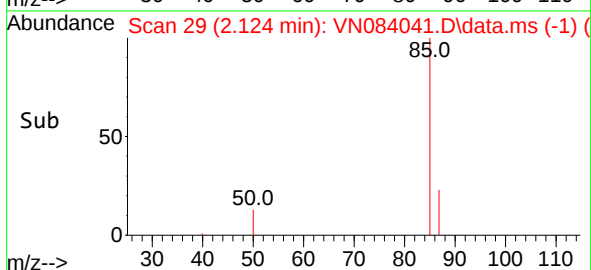
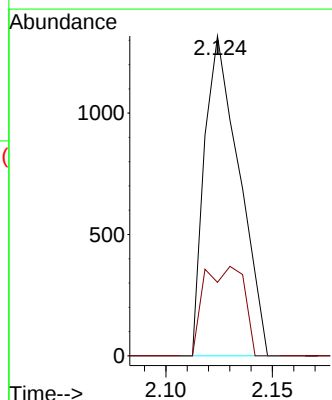
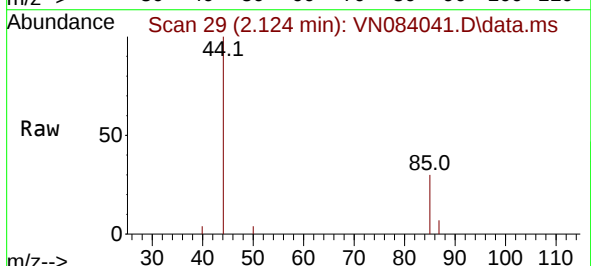
Acq: 19 Sep 2024 18:04

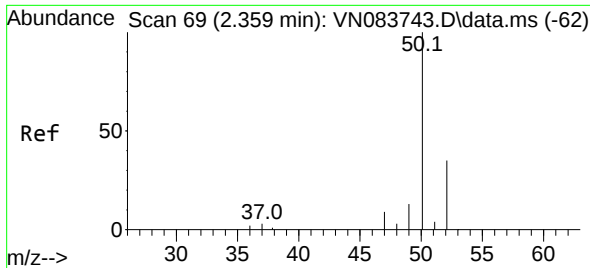
Tgt Ion: 85 Resp: 1492

Ion Ratio Lower Upper

85 100

87 23.0 15.7 47.0

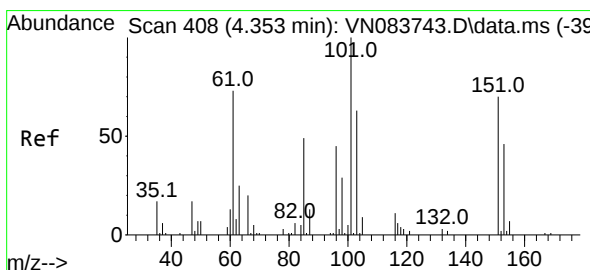
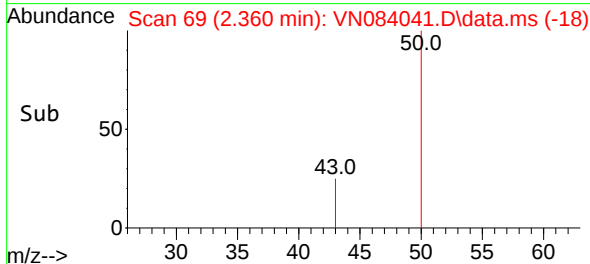
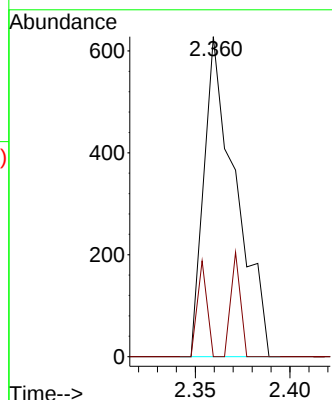
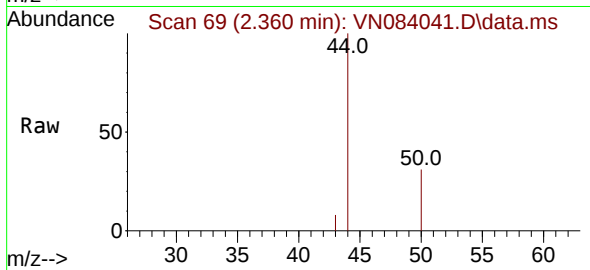




#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

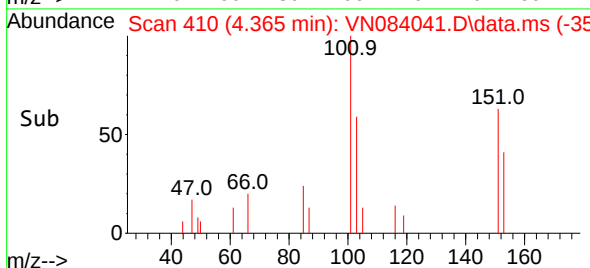
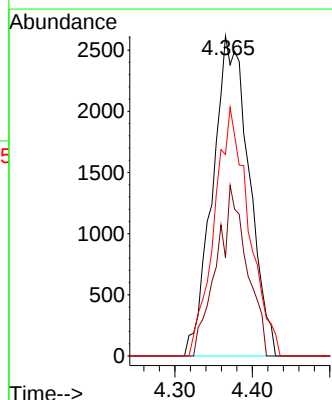
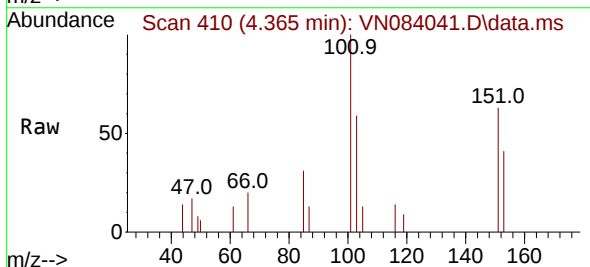
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

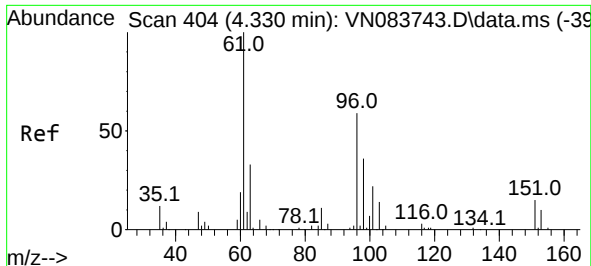
Tgt Ion: 50 Resp: 730
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.018 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion: 101 Resp: 8547
Ion Ratio Lower Upper
101 100
85 44.4 36.2 54.4
151 74.0 57.7 86.5





#12

1,1-Dichloroethene

Concen: 0.426 ug/l

RT: 4.342 min Scan# 404

Delta R.T. 0.012 min

Lab File: VN084041.D

Acq: 19 Sep 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20240912

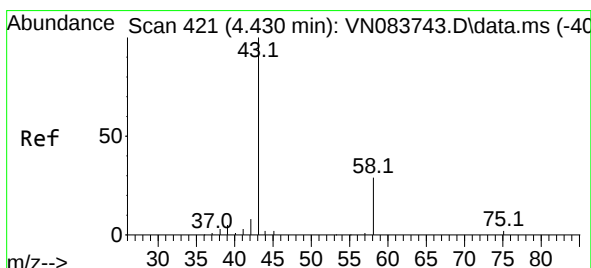
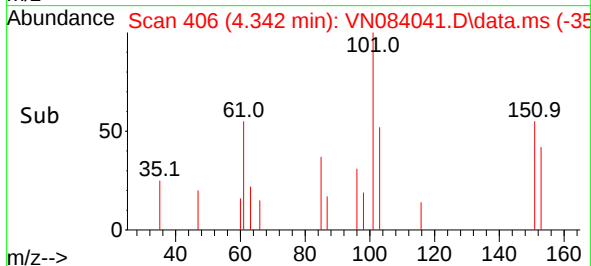
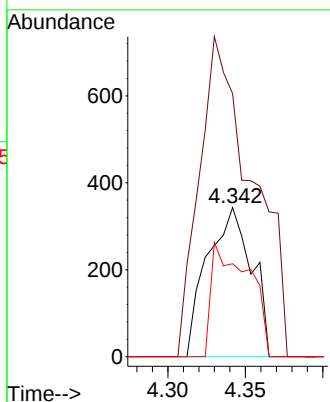
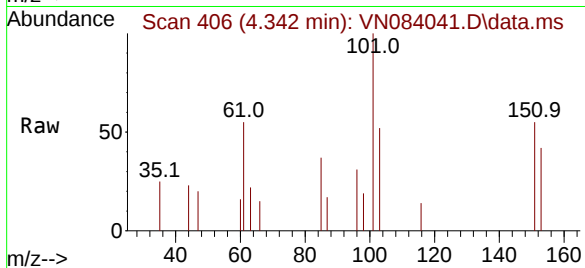
Tgt Ion: 96 Resp: 686

Ion Ratio Lower Upper

96 100

61 176.4 143.4 215.0

98 62.4 52.7 79.1



#16

Acetone

Concen: 1.199 ug/l

RT: 4.448 min Scan# 424

Delta R.T. 0.018 min

Lab File: VN084041.D

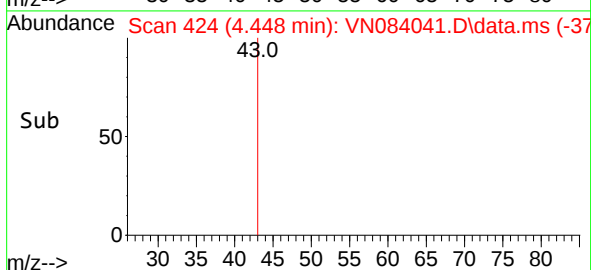
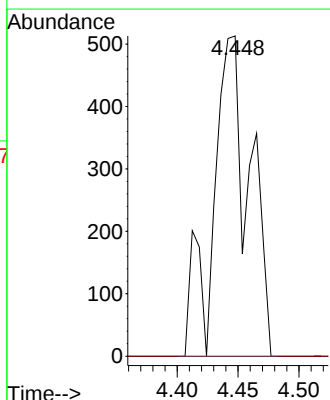
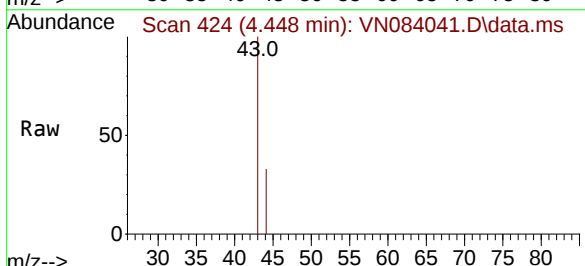
Acq: 19 Sep 2024 18:04

Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#

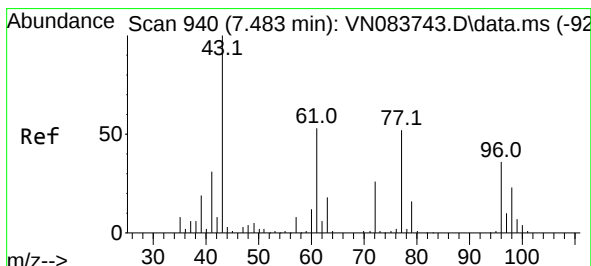
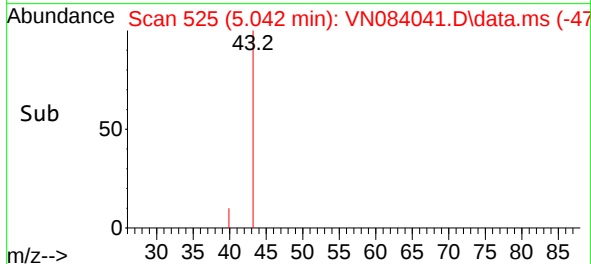
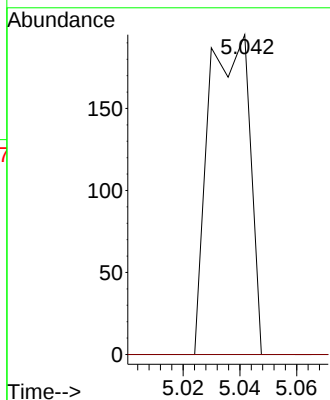
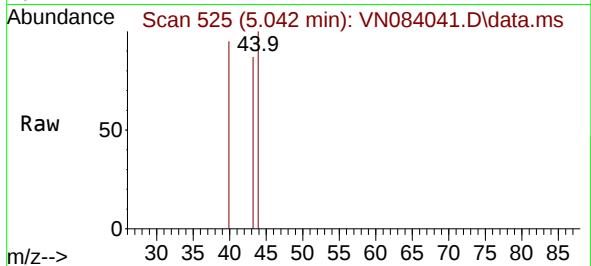




#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

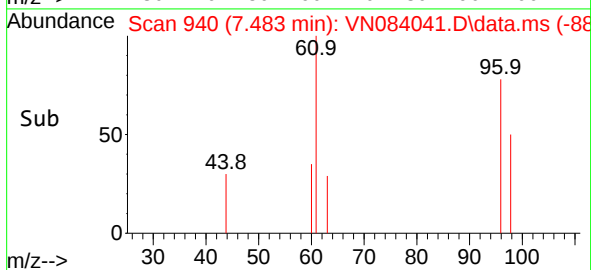
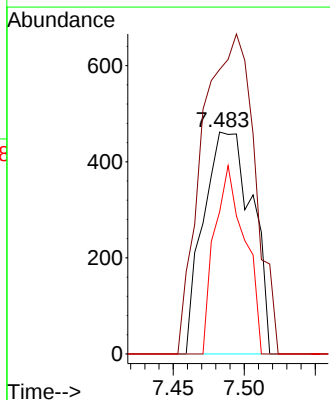
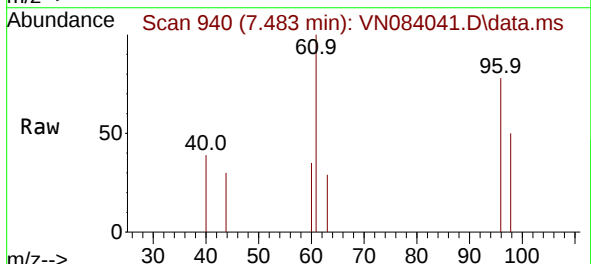
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

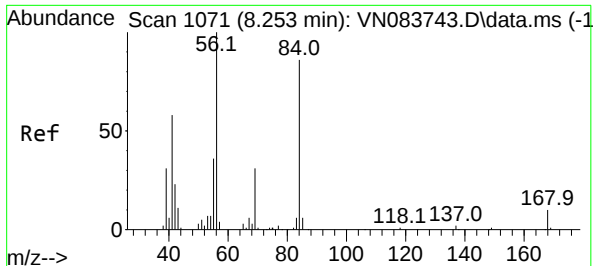
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#27
cis-1,2-Dichloroethene
Concen: 0.537 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

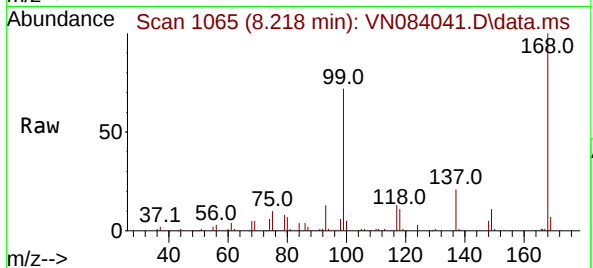
Tgt Ion: 96 Resp: 1099
Ion Ratio Lower Upper
96 100
61 155.5 0.0 306.2
98 53.0 0.0 128.6



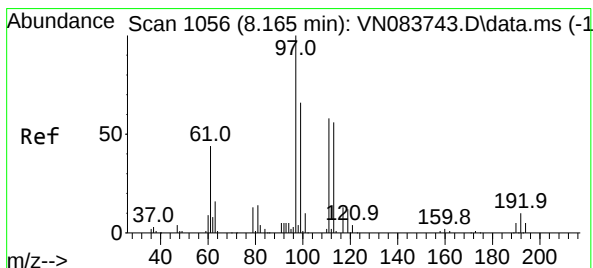
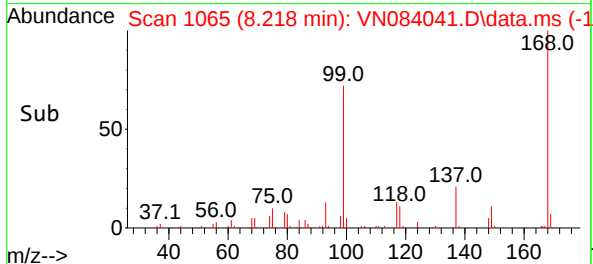
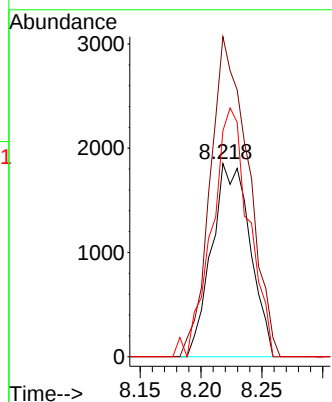


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

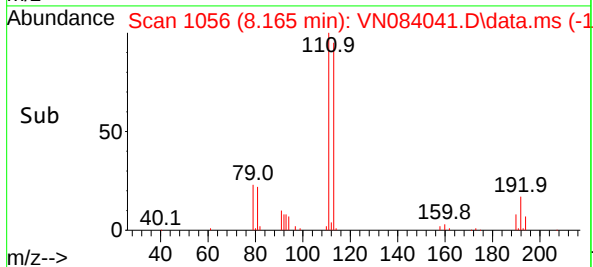
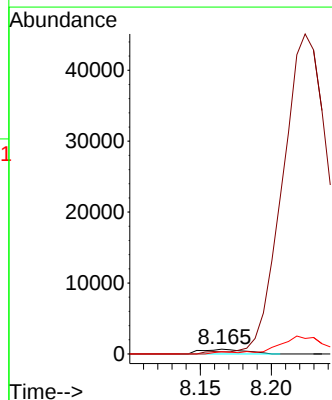
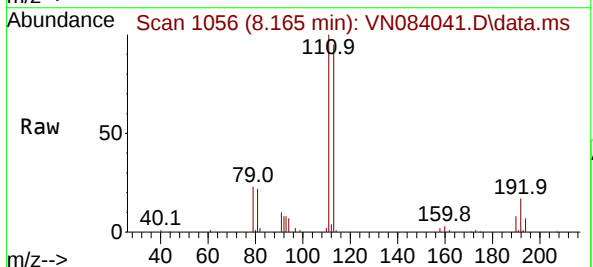


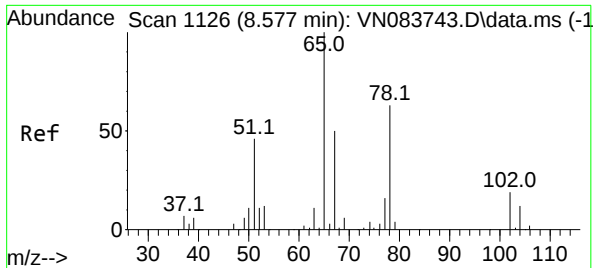
Tgt Ion: 56 Resp: 4059
Ion Ratio Lower Upper
56 100
69 165.7 26.9 40.3#
84 116.9 69.2 103.8#



#32
1,1,1-Trichloroethane
Concen: 0.429 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion: 97 Resp: 1424
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 22.9 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 52.858 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084041.D

Acq: 19 Sep 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

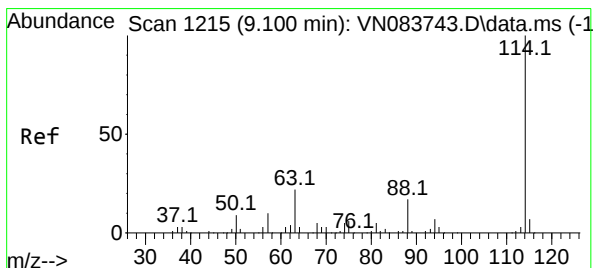
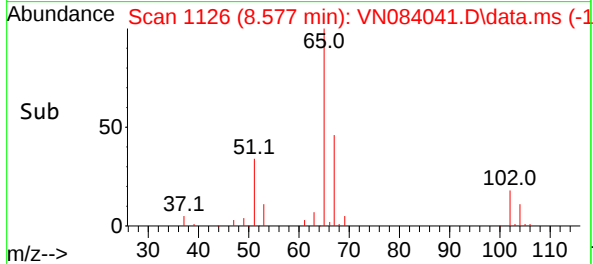
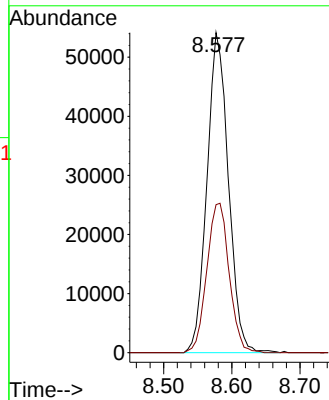
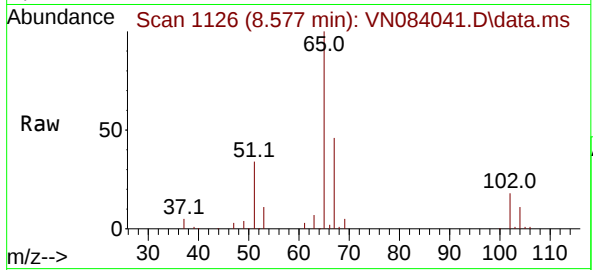
RE105D1-20240912

Tgt Ion: 65 Resp: 118532

Ion Ratio Lower Upper

65 100

67 48.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084041.D

Acq: 19 Sep 2024 18:04

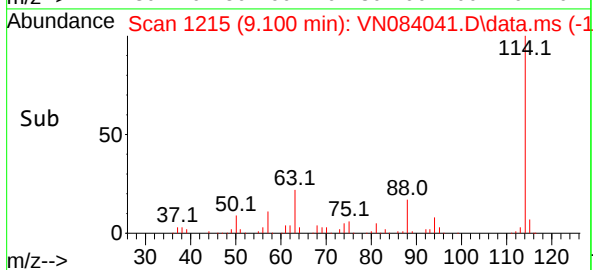
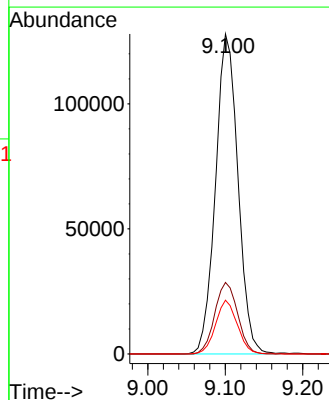
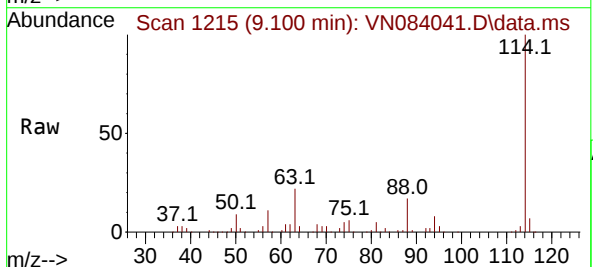
Tgt Ion: 114 Resp: 257486

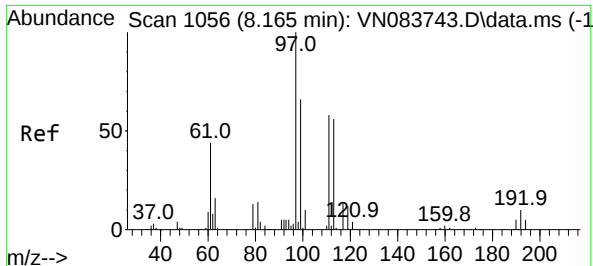
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.8 0.0 32.6

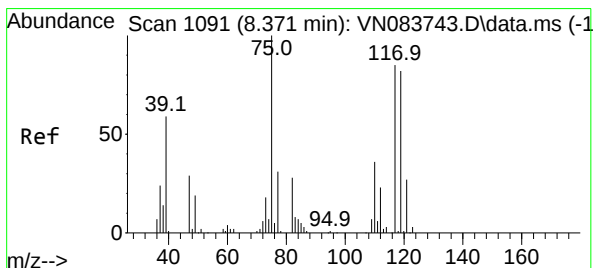
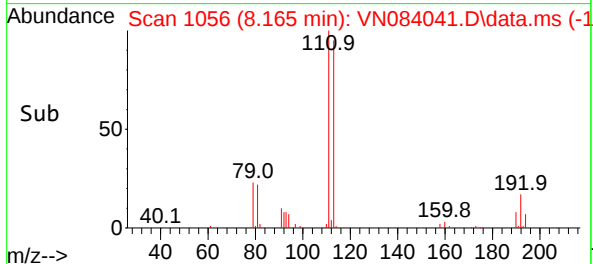
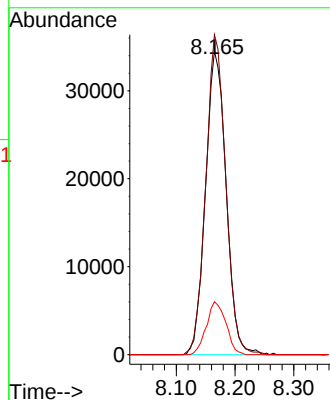
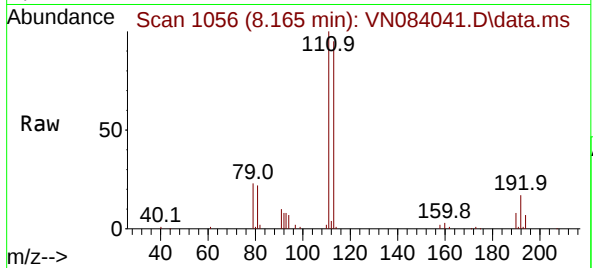




#35
Dibromofluoromethane
Concen: 51.002 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

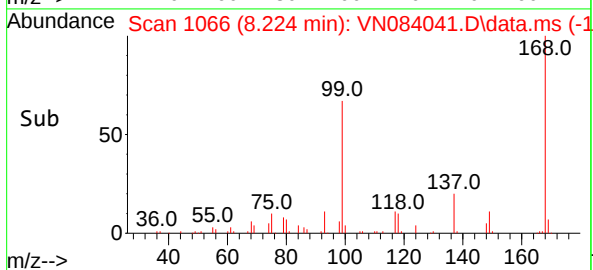
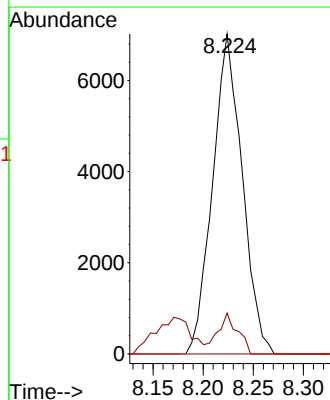
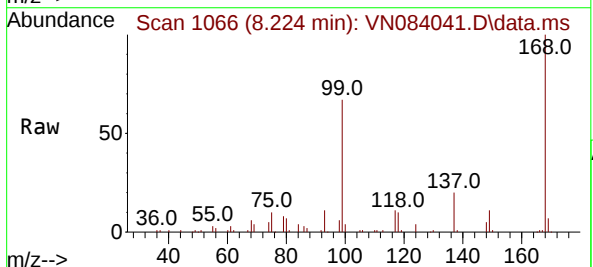
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RE105D1-20240912

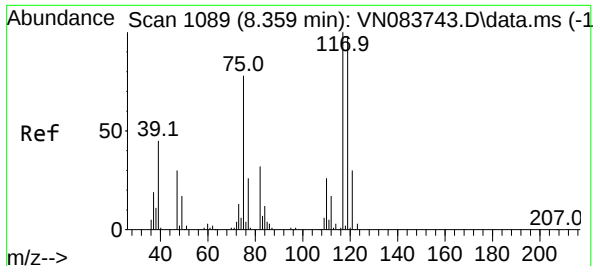
Tgt Ion:113 Resp: 84071
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 16.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.808 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion: 75 Resp: 14410
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.1#
77 0.0 25.2 37.8#

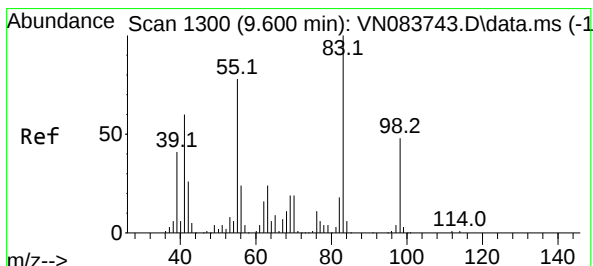
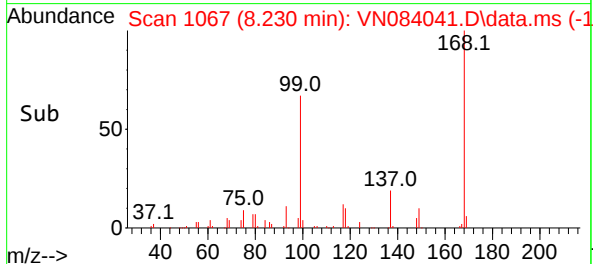
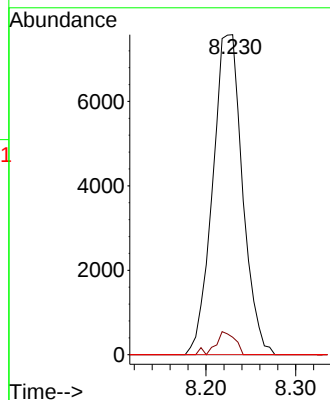
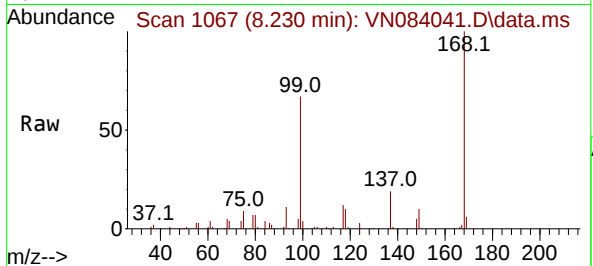




#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

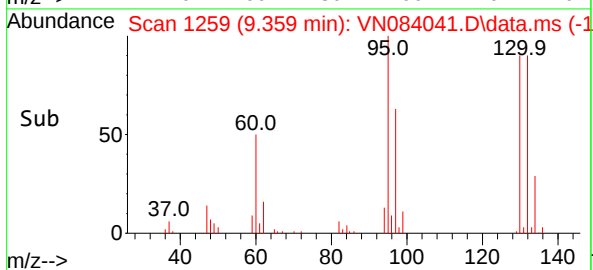
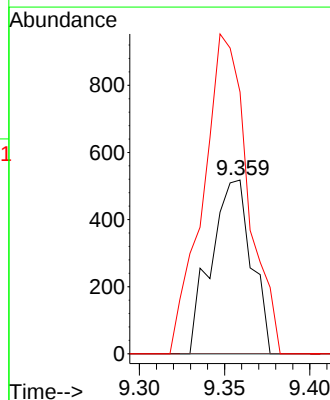
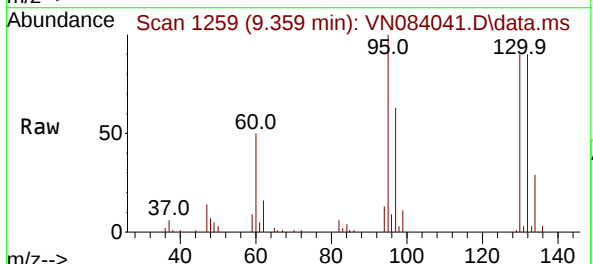
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

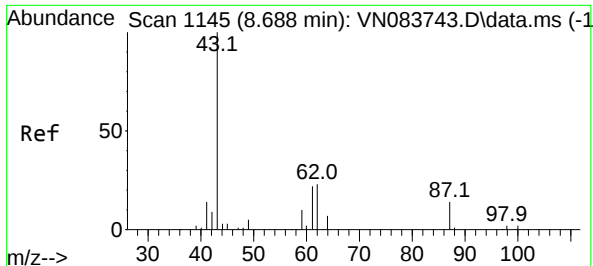
Tgt Ion:117 Resp: 17533
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.302 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.241 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion: 83 Resp: 854
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 150.6 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.234 ug/l

RT: 8.706 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN084041.D

Acq: 19 Sep 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20240912

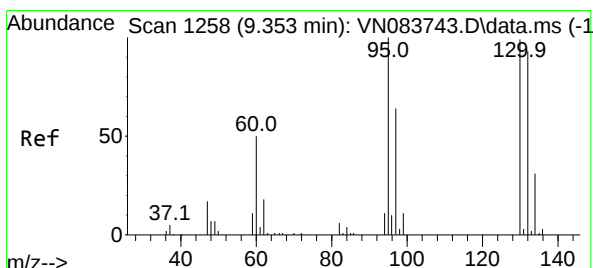
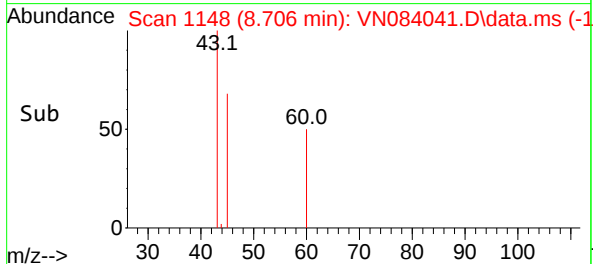
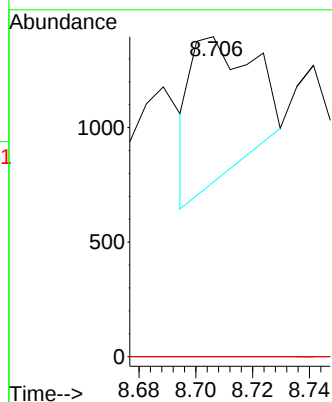
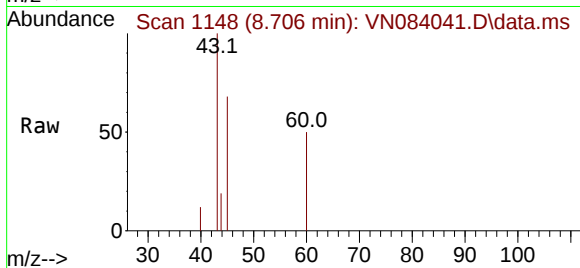
Tgt Ion: 43 Resp: 953

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 36.798 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN084041.D

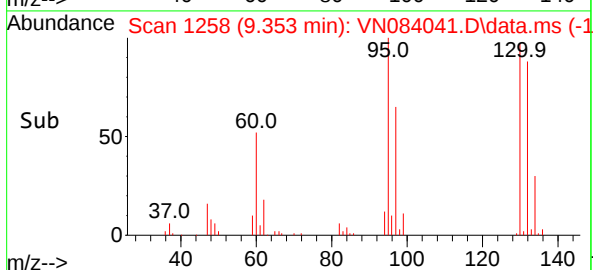
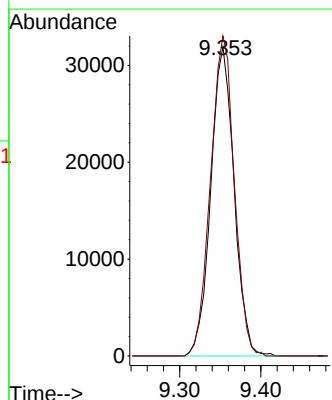
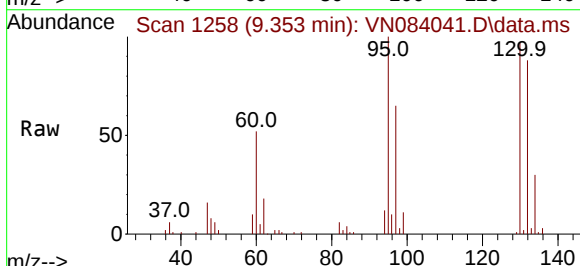
Acq: 19 Sep 2024 18:04

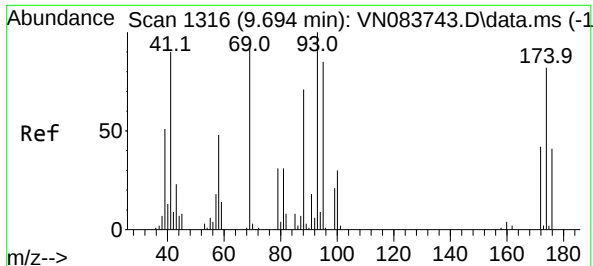
Tgt Ion:130 Resp: 63635

Ion Ratio Lower Upper

130 100

95 103.5 0.0 200.4





#49

1,4-Dioxane

Concen: 17.142 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN084041.D

Acq: 19 Sep 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20240912

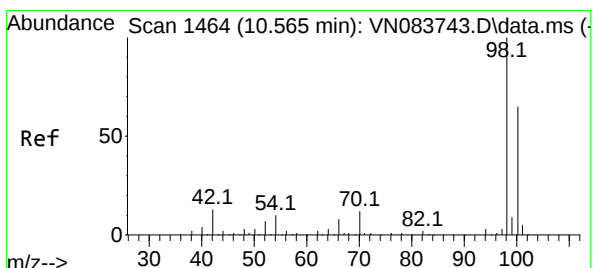
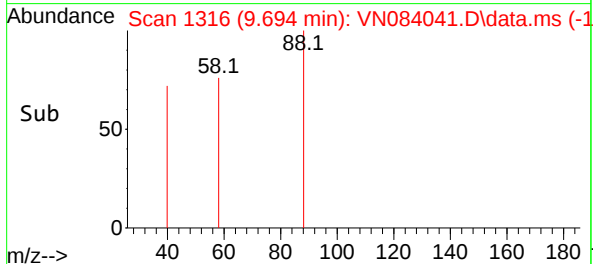
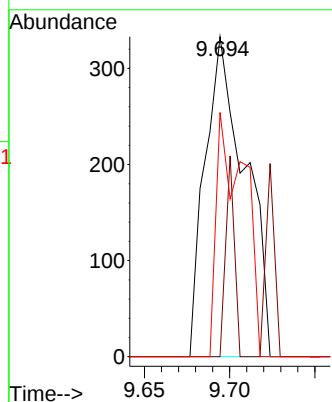
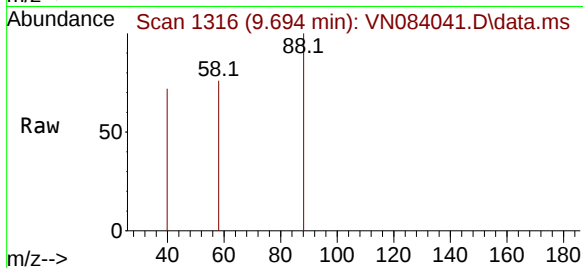
Tgt Ion: 88 Resp: 546

Ion Ratio Lower Upper

88 100

43 13.6 0.0 0.0#

58 52.9 57.1 85.7#



#50

Toluene-d8

Concen: 54.098 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084041.D

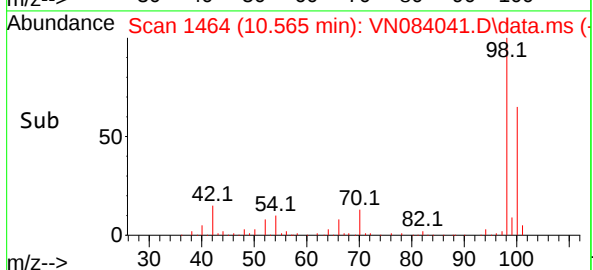
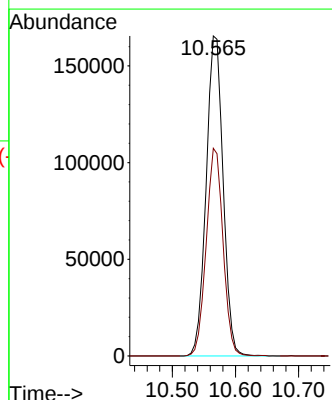
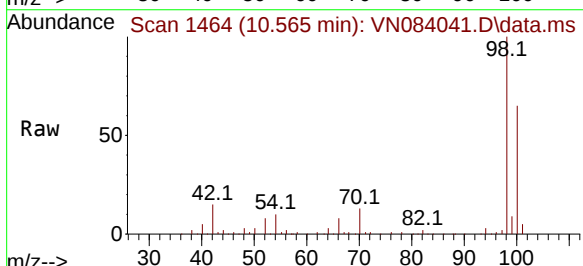
Acq: 19 Sep 2024 18:04

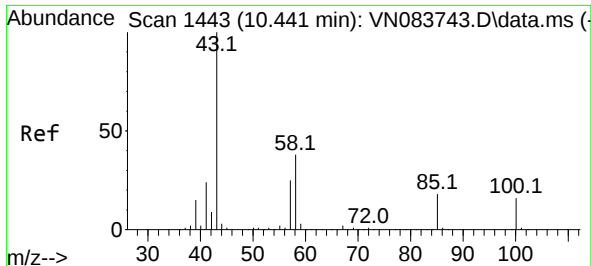
Tgt Ion: 98 Resp: 308282

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

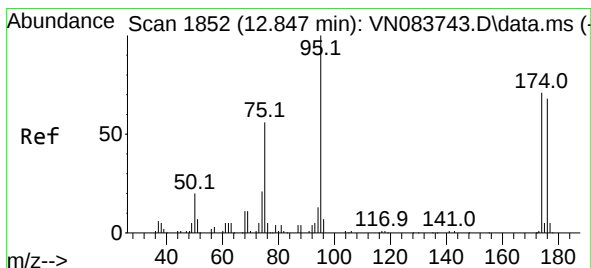
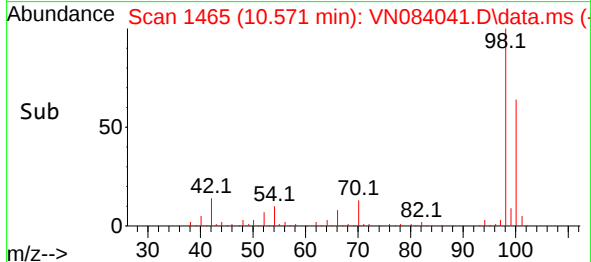
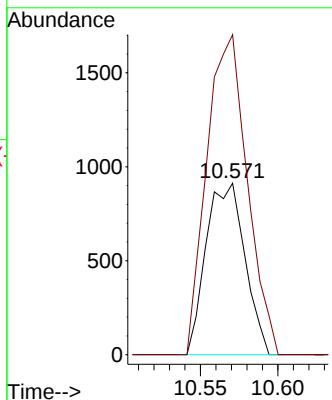
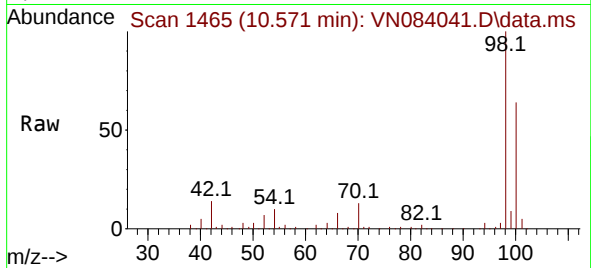




#51
4-Methyl-2-Pentanone
Concen: 0.714 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.130 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

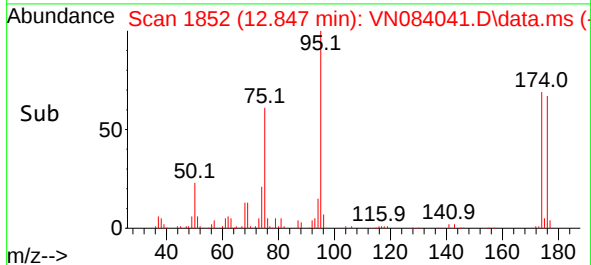
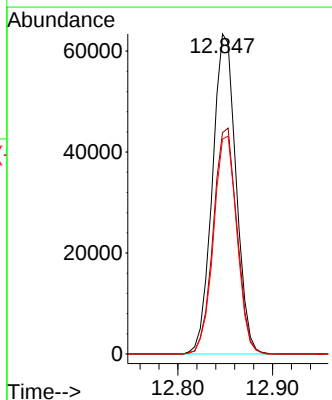
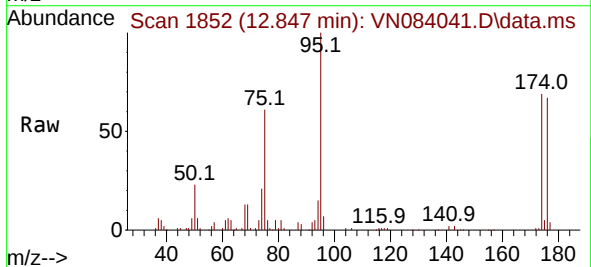
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

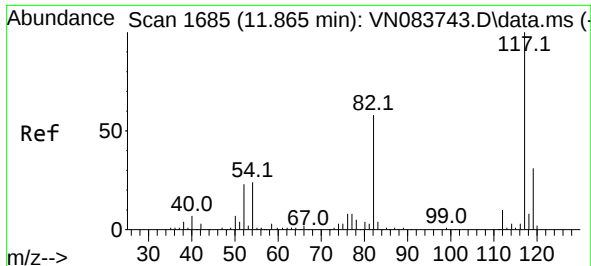
Tgt Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
58 194.8 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 46.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion: 95 Resp: 110025
Ion Ratio Lower Upper
95 100
174 70.7 0.0 139.8
176 67.3 0.0 131.4

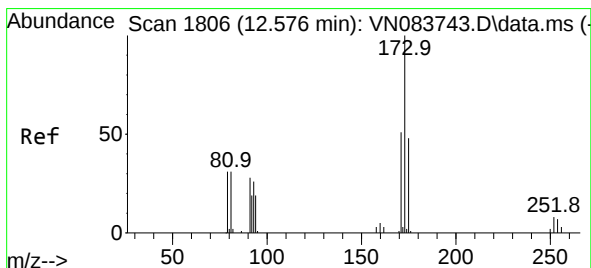
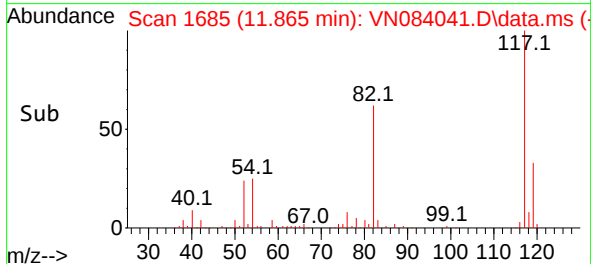
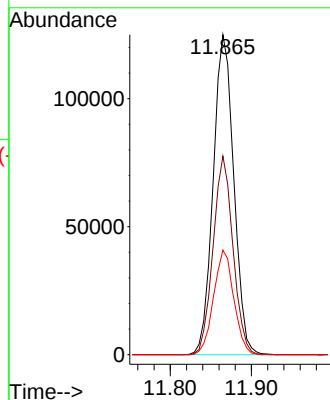
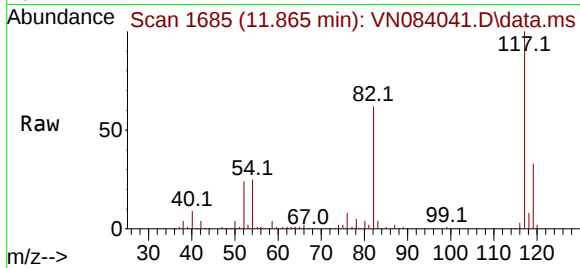




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

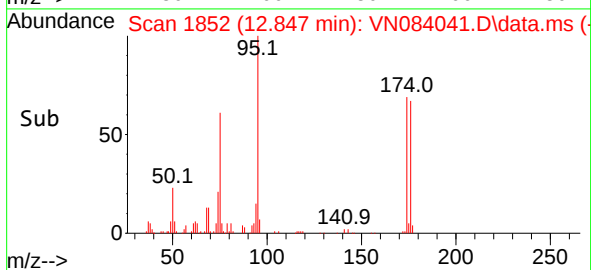
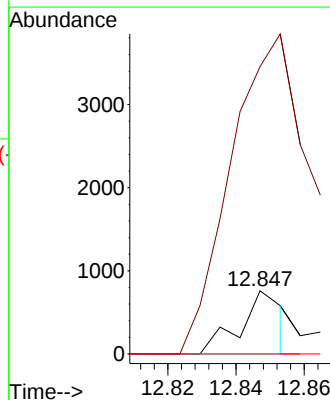
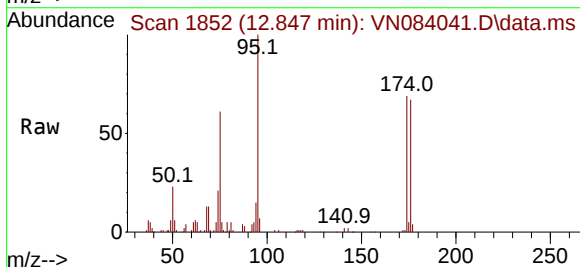
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

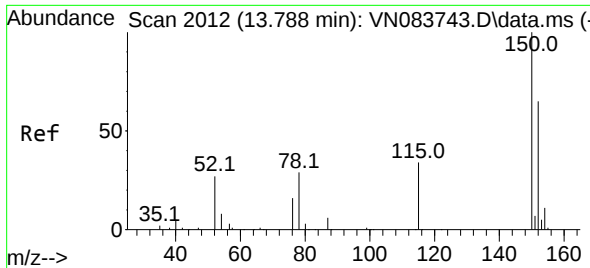
Tgt Ion:117 Resp: 220316
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.0
119 32.7 26.3 39.5



#71
Bromoform
Concen: 0.573 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Tgt Ion:173 Resp: 656
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

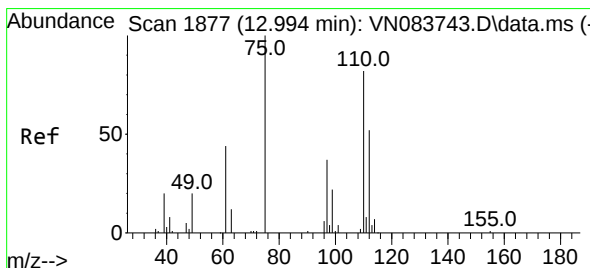
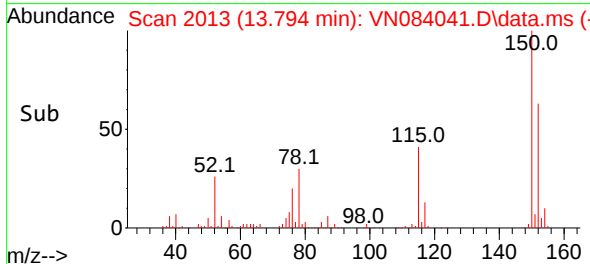
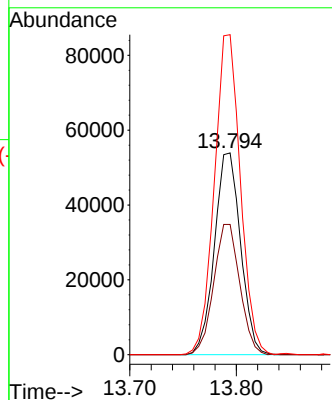
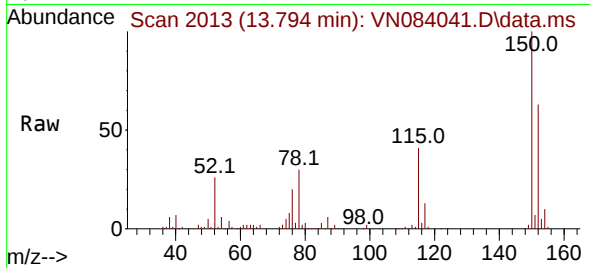




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

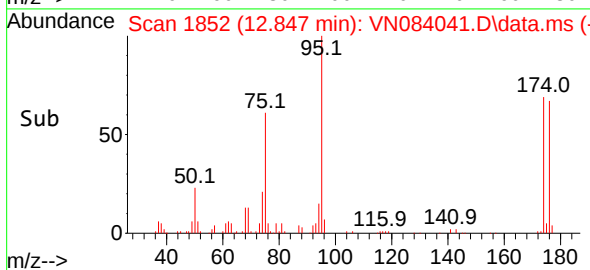
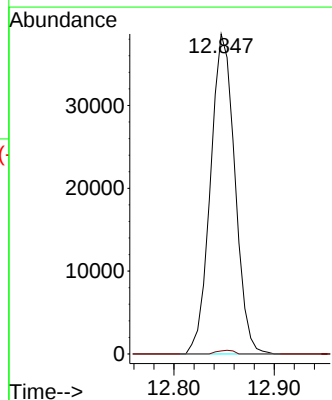
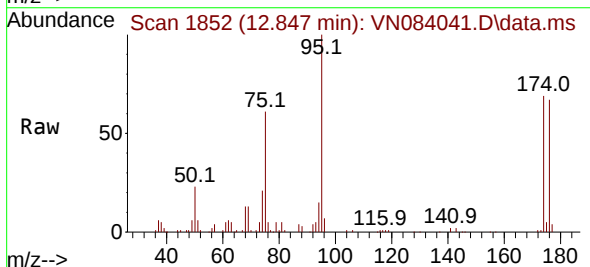
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912

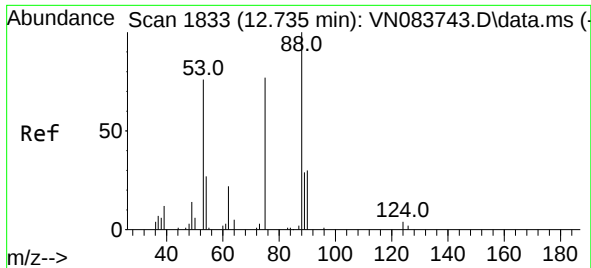
Tgt Ion:152 Resp: 91786
Ion Ratio Lower Upper
152 100
115 64.5 32.2 96.6
150 158.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 35.172 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

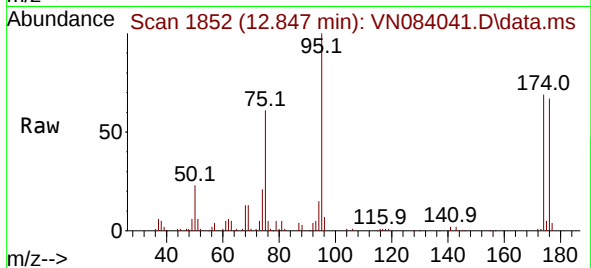
Tgt Ion: 75 Resp: 65140
Ion Ratio Lower Upper
75 100
77 0.8 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.117 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084041.D
Acq: 19 Sep 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20240912



Tgt Ion: 75 Resp: 65140
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

