

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084046.D
 Acq On : 19 Sep 2024 20:05
 Operator : JC\MD
 Sample : P4003-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:37:03 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

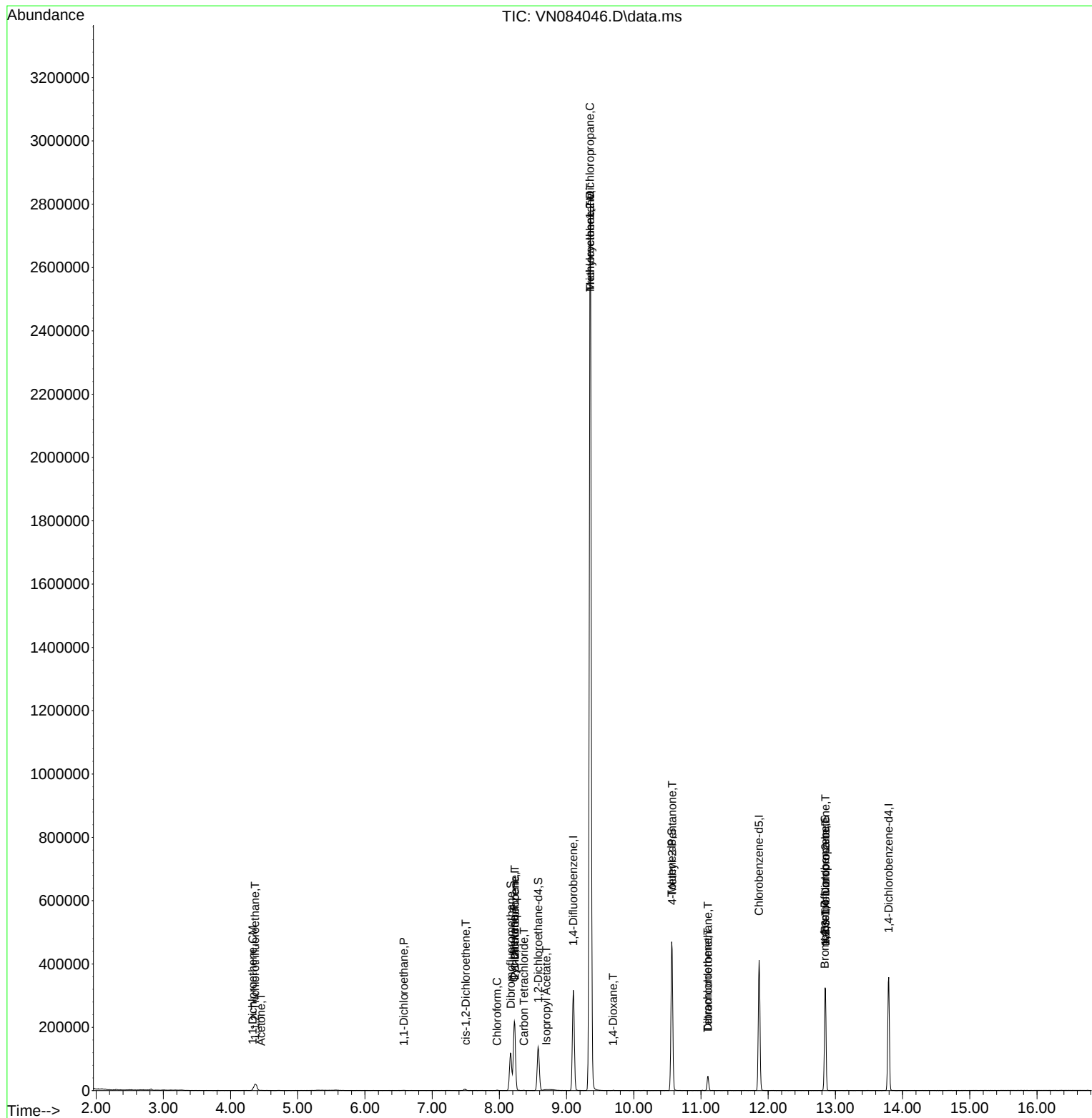
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	145684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117034	53.277	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.560%		
35) Dibromofluoromethane	8.171	113	82063	49.913	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.820%		
50) Toluene-d8	10.565	98	312390	54.961	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 109.920%		
62) 4-Bromofluorobenzene	12.847	95	109910	46.870	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.740%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	366	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.365	101	14150	8.481	ug/l #	20
12) 1,1-Dichloroethene	4.330	96	2106	1.337	ug/l #	78
16) Acetone	4.453	43	791	0.898	ug/l #	45
18) Methyl Acetate	5.047	43	58	Below Cal	#	52
24) 1,1-Dichloroethane	6.577	63	1081	0.325	ug/l #	82
27) cis-1,2-Dichloroethene	7.500	96	2626	1.310	ug/l #	66
30) Chloroform	7.965	83	1169	0.331	ug/l	86
31) Cyclohexane	8.218	56	4187	1.319	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	14206	5.741	ug/l #	51
38) Carbon Tetrachloride	8.365	117	662	0.236	ug/l #	58
39) Methylcyclohexane	9.353	83	13020	4.622	ug/l #	1
43) Isopropyl Acetate	8.700	43	5467	1.343	ug/l #	57
44) Trichloroethene	9.353	130	936902	543.184	ug/l	91
45) 1,2-Dichloropropane	9.347	63	3570	1.983	ug/l #	1
49) 1,4-Dioxane	9.694	88	585	18.414	ug/l #	82
51) 4-Methyl-2-Pentanone	10.571	43	1633	0.737	ug/l #	1
60) Dibromochloromethane	11.106	129	9801	5.149	ug/l #	10
64) Tetrachloroethene	11.100	164	9373	6.392	ug/l	96
71) Bromoform	12.841	173	249	0.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	62633	34.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62633	89.992	ug/l #	9

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

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MSVOA_N
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Quant Time: Sep 20 01:37:03 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

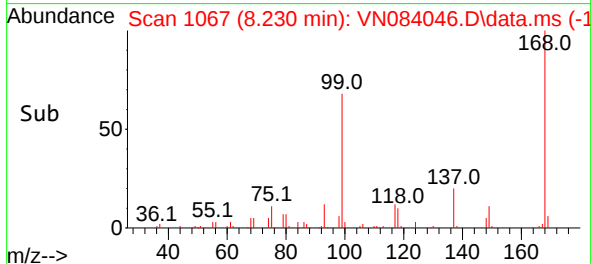
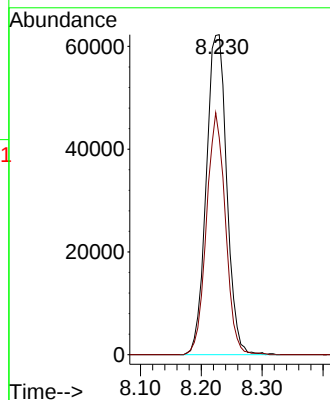
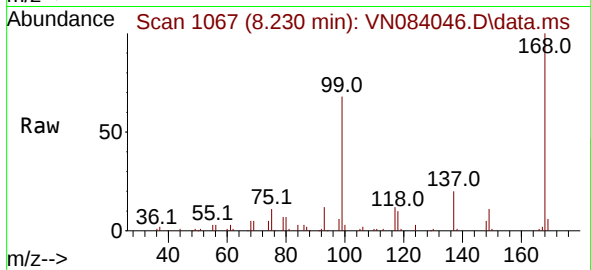




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

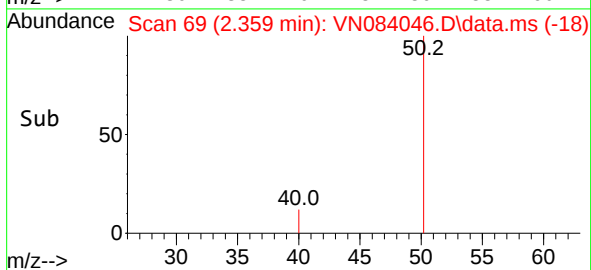
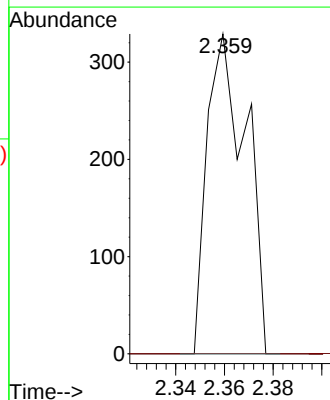
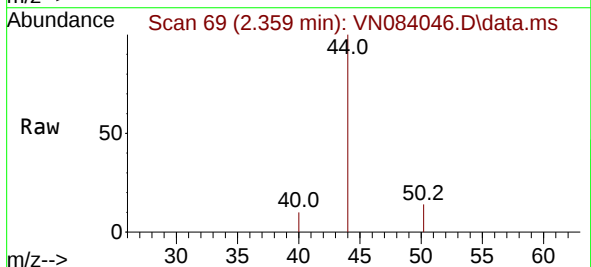
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 145684
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

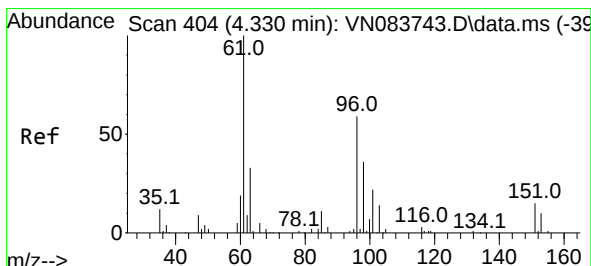
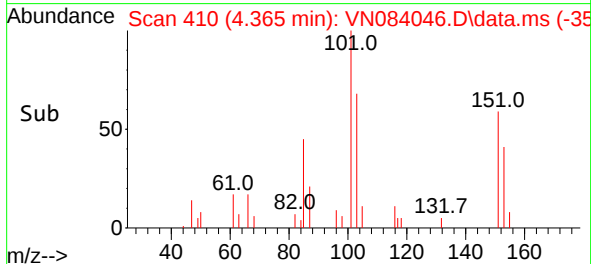
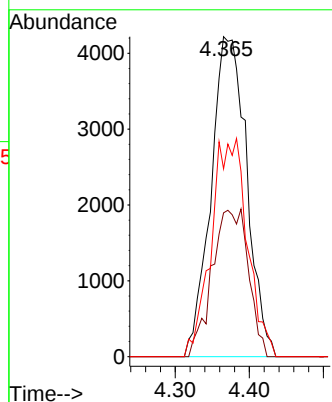
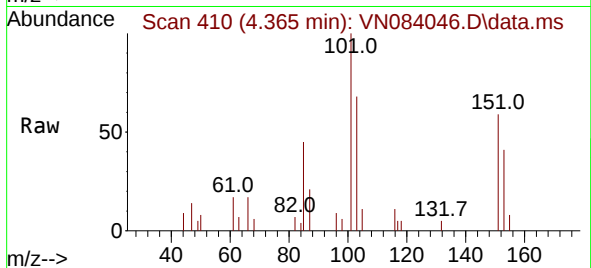




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.481 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

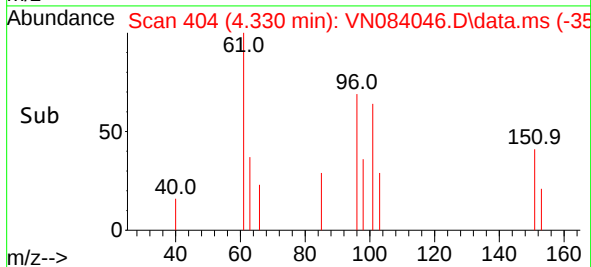
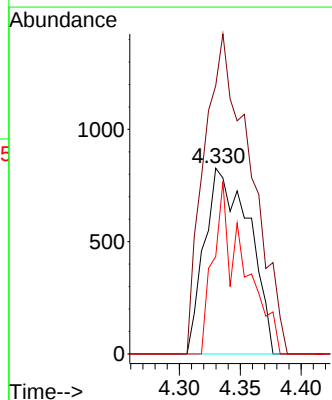
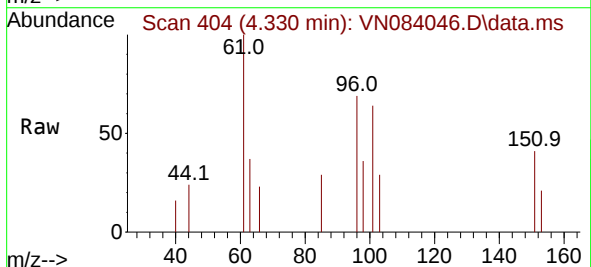
Instrument :
MSVOA_N
ClientSampleId :

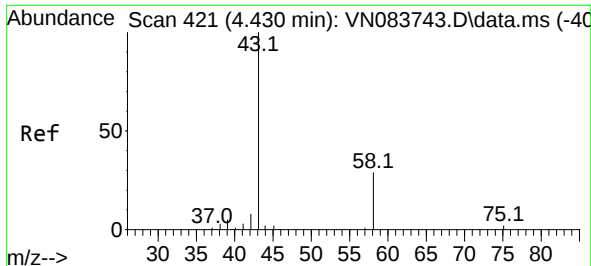
Tgt Ion:101 Resp: 14150
Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 0.0 57.7 86.5#



#12
1,1-Dichloroethene
Concen: 1.337 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.000 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 96 Resp: 2106
Ion Ratio Lower Upper
96 100
61 144.5 143.4 215.0
98 52.5 52.7 79.1#

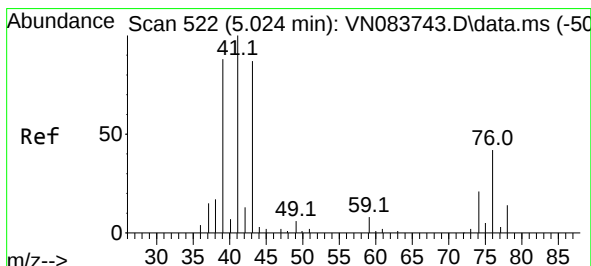
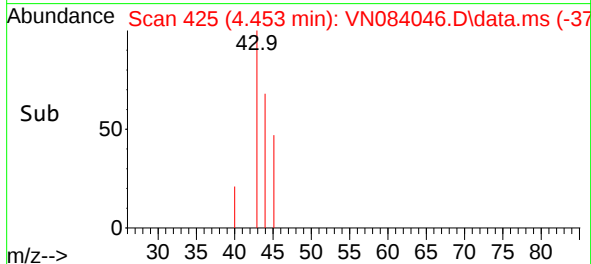
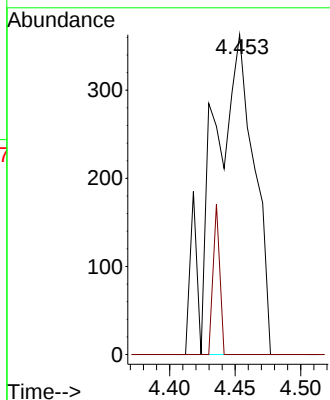
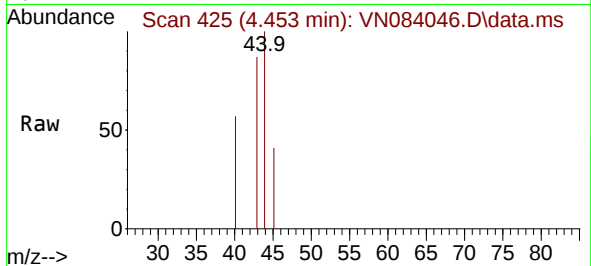




#16
Acetone
Concen: 0.898 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

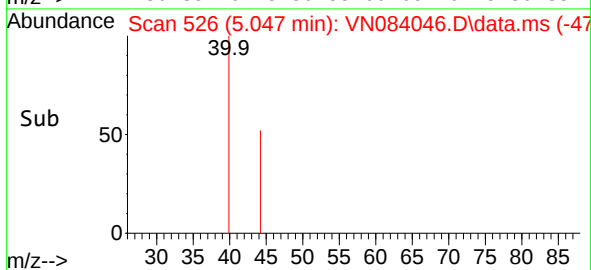
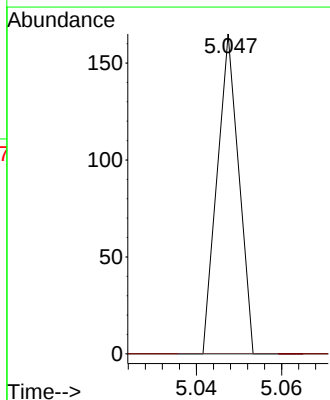
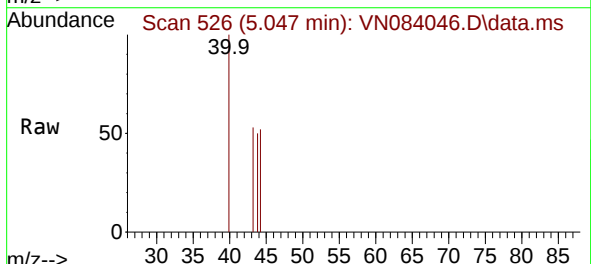
Instrument :
MSVOA_N
ClientSampleId :

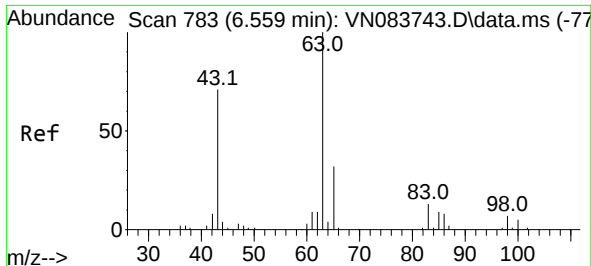
Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.047 min Scan# 526
Delta R.T. 0.023 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#

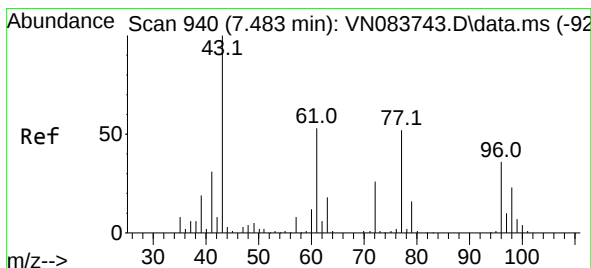
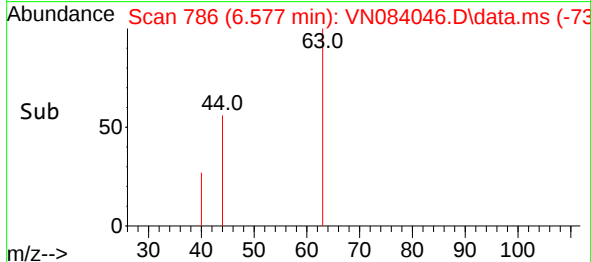
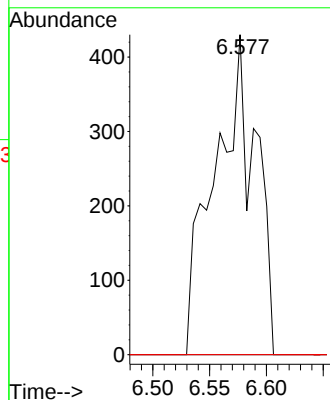
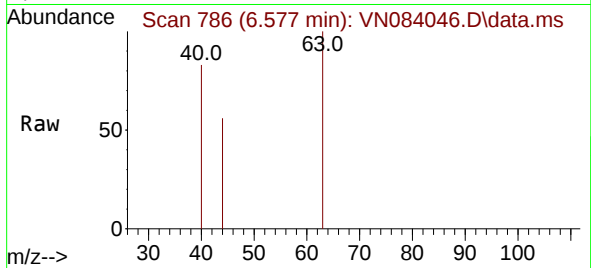




#24
1,1-Dichloroethane
Concen: 0.325 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.018 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

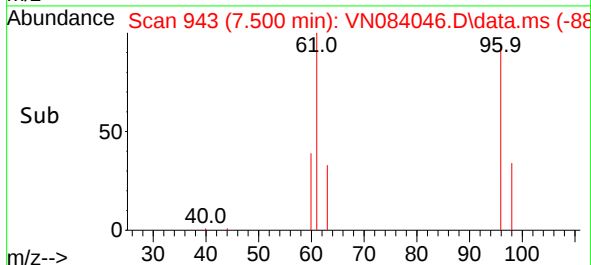
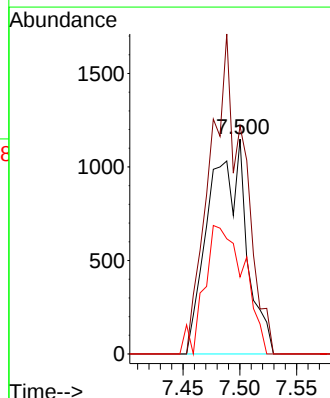
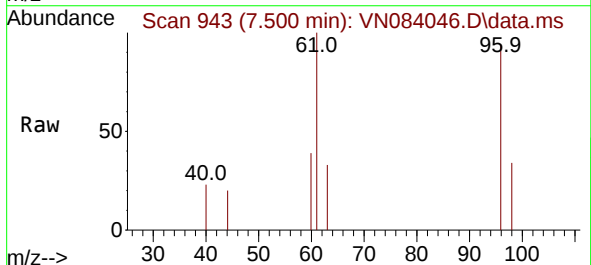
Instrument :
MSVOA_N
ClientSampleId :

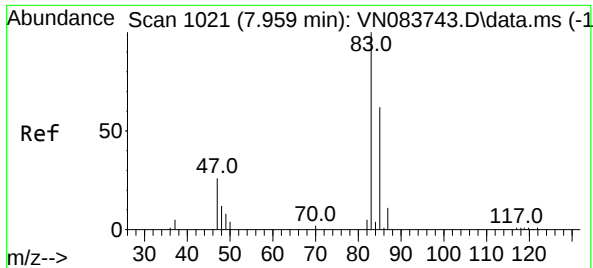
Tgt Ion: 63 Resp: 1081
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.310 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 96 Resp: 2626
Ion Ratio Lower Upper
96 100
61 135.6 0.0 306.2
98 0.0 0.0 128.6

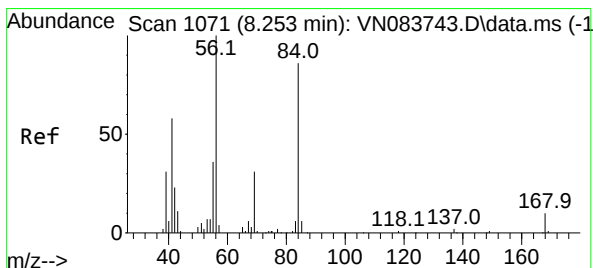
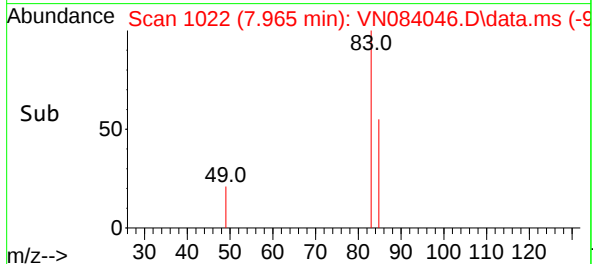
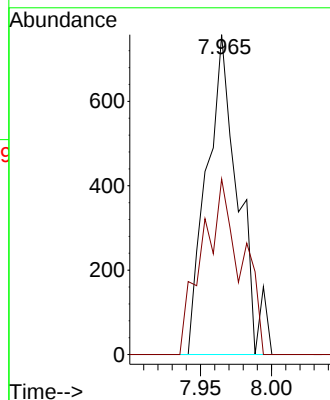
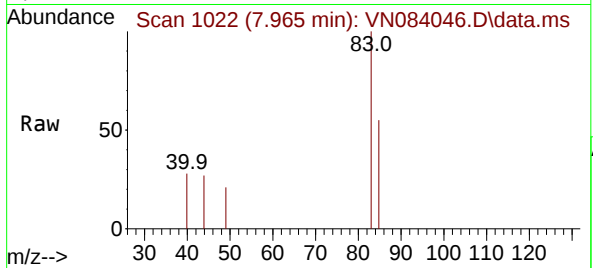




#30
Chloroform
Concen: 0.331 ug/l
RT: 7.965 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

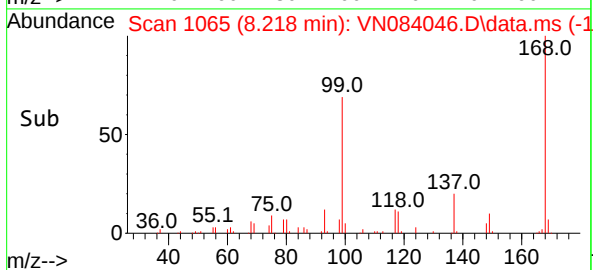
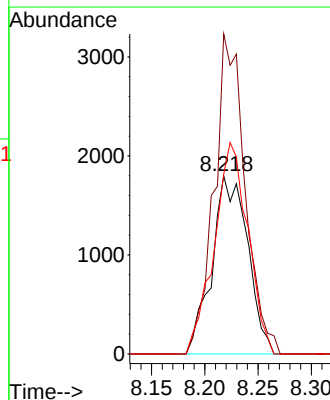
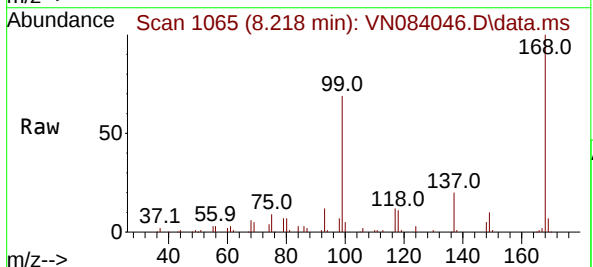
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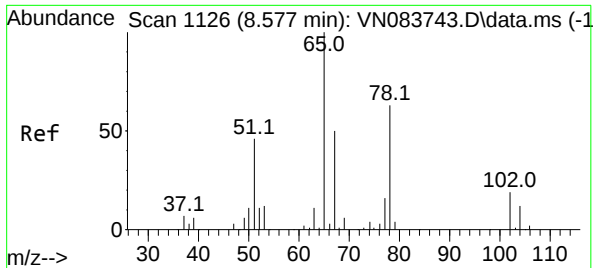
Tgt Ion: 83 Resp: 1169
Ion Ratio Lower Upper
83 100
85 54.9 52.8 79.2



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 56 Resp: 4187
Ion Ratio Lower Upper
56 100
69 179.8 26.9 40.3#
84 100.9 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 53.277 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Instrument :

MSVOA_N

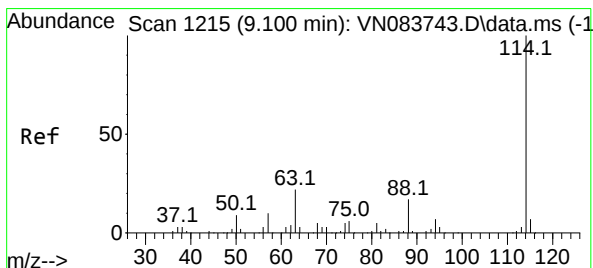
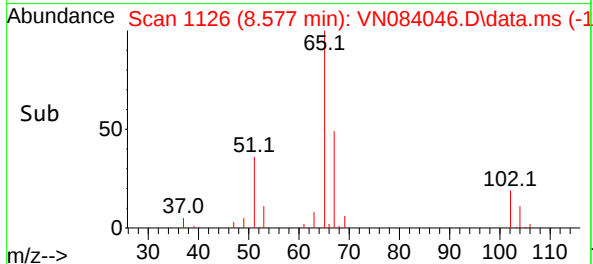
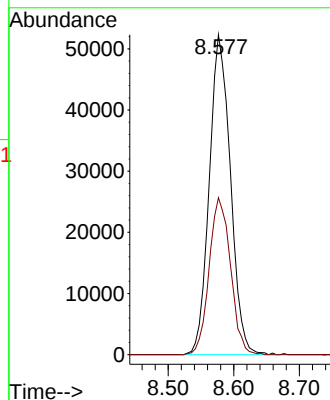
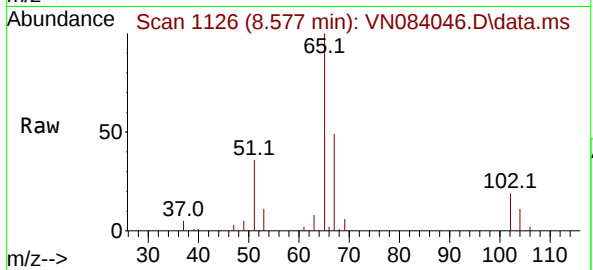
ClientSampleId :

Tgt Ion: 65 Resp: 117034

Ion Ratio Lower Upper

65 100

67 49.6 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: VN084046.D

Acq: 19 Sep 2024 20:05

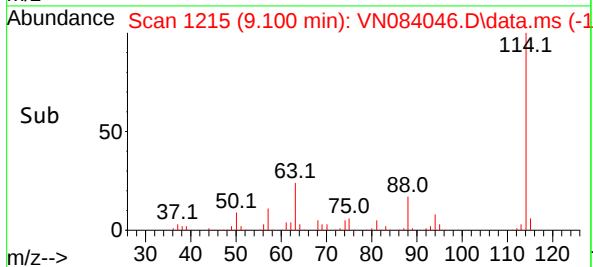
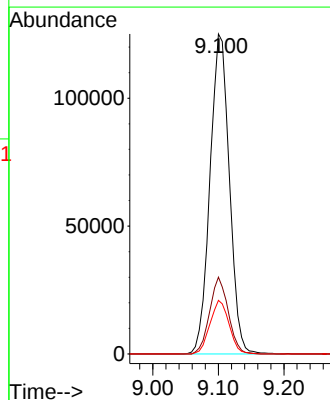
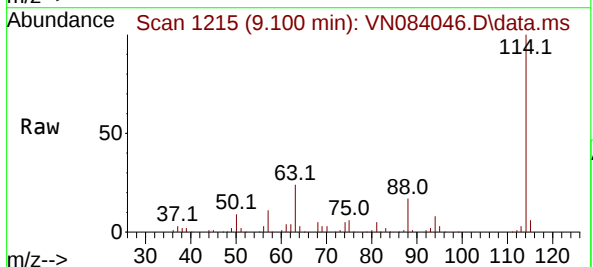
Tgt Ion: 114 Resp: 256818

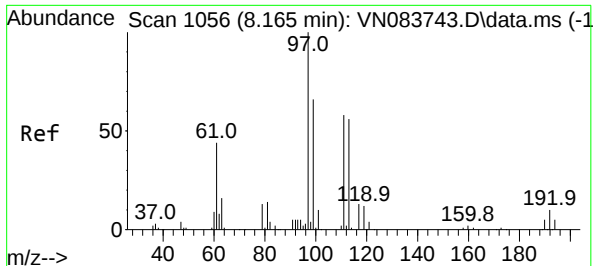
Ion Ratio Lower Upper

114 100

63 24.0 0.0 43.4

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.913 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :

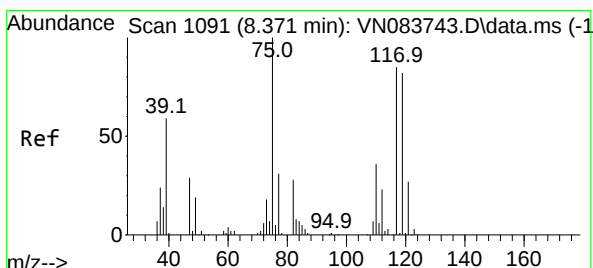
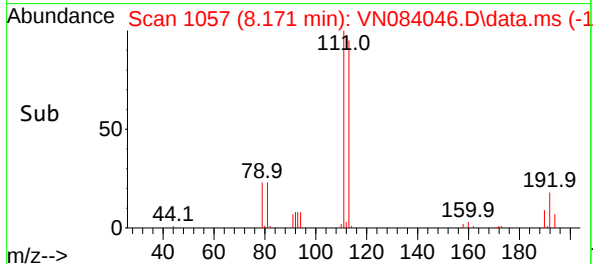
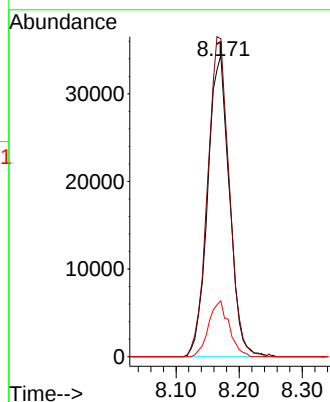
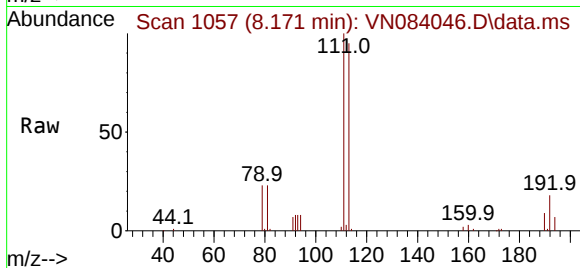
Tgt Ion:113 Resp: 82063

Ion Ratio Lower Upper

113 100

111 105.8 82.6 124.0

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.741 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

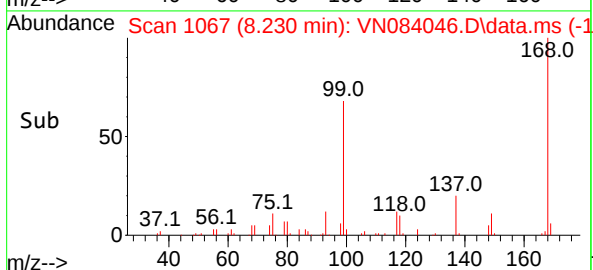
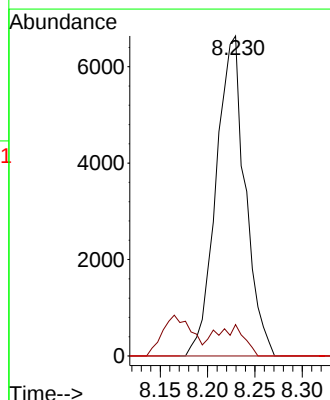
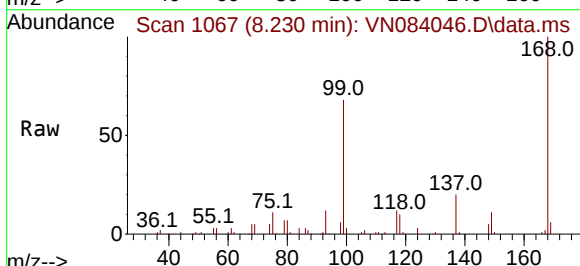
Tgt Ion: 75 Resp: 14206

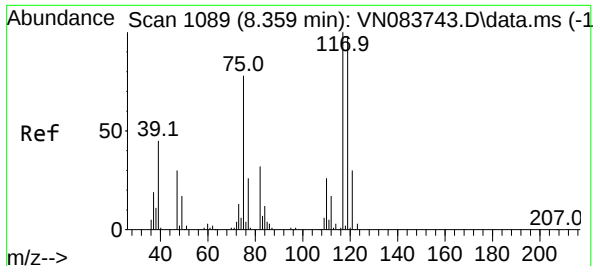
Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

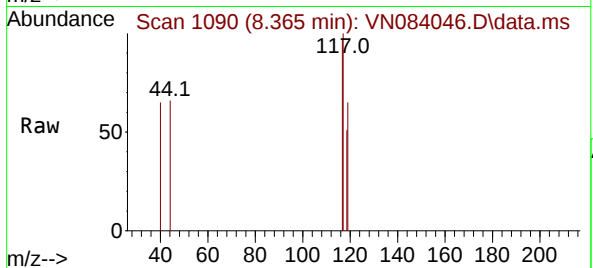
77 0.0 25.2 37.8#



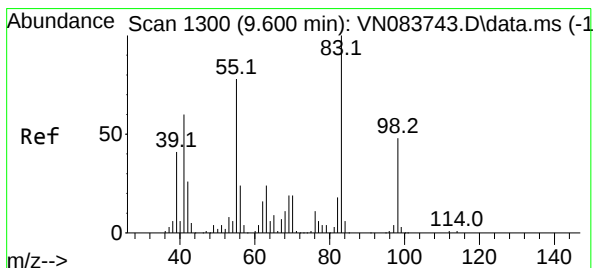
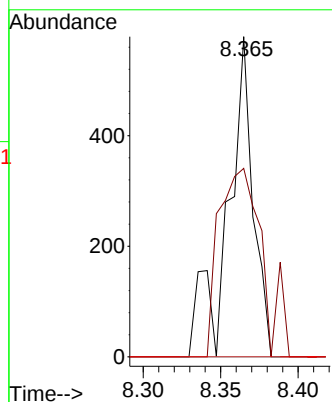
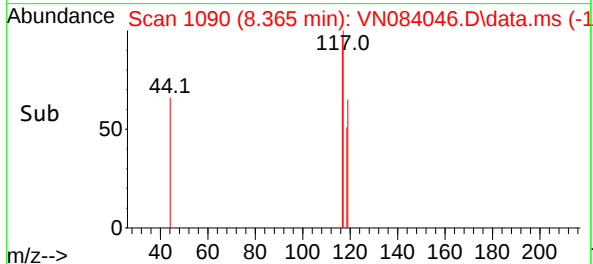


#38
Carbon Tetrachloride
Concen: 0.236 ug/l
RT: 8.365 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :

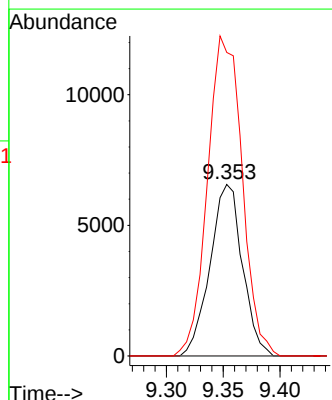
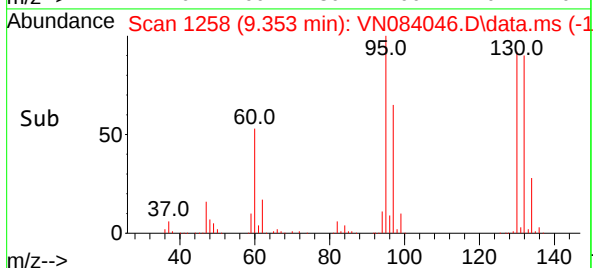
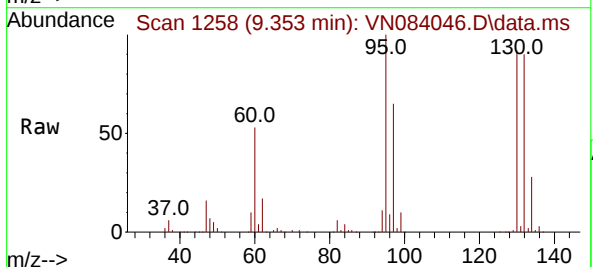


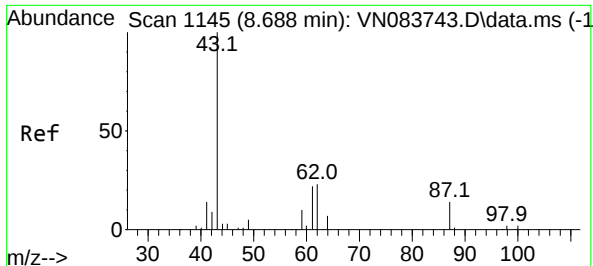
Tgt Ion:117 Resp: 662
Ion Ratio Lower Upper
117 100
119 58.9 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 4.622 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 83 Resp: 13020
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 176.9 37.6 56.4#





#43

Isopropyl Acetate

Concen: 1.343 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.012 min

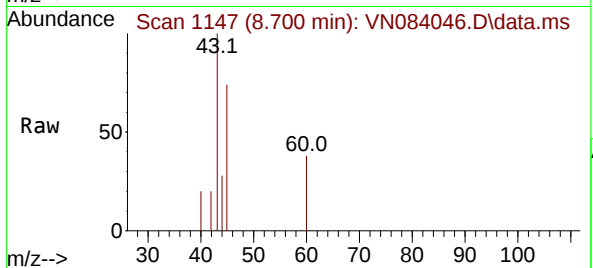
Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

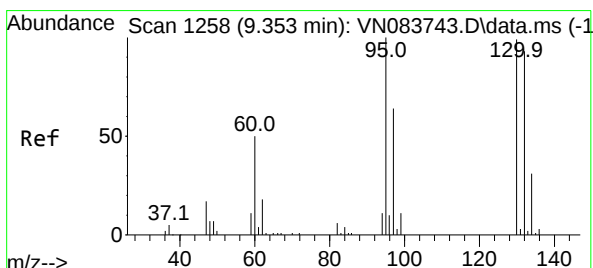
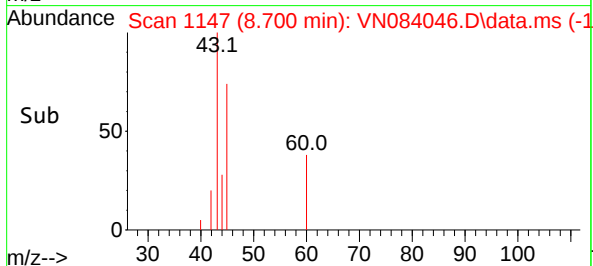
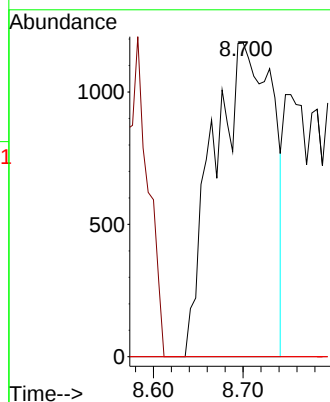
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 5467
Ion Ratio	Lower Upper
43	100
61	0.0 19.4 29.0#
87	0.0 9.8 14.6#



#44

Trichloroethene

Concen: 543.184 ug/l

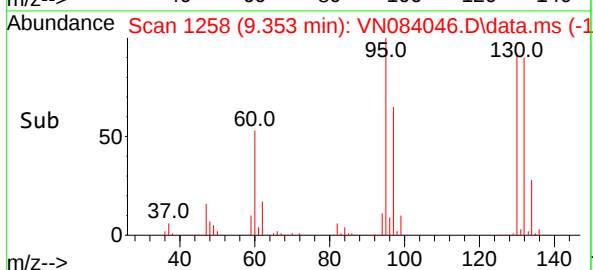
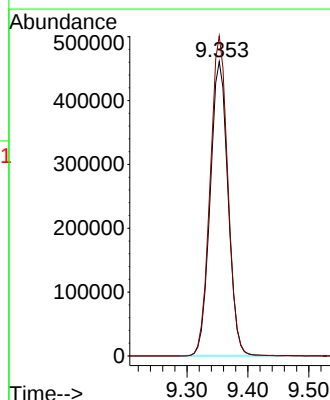
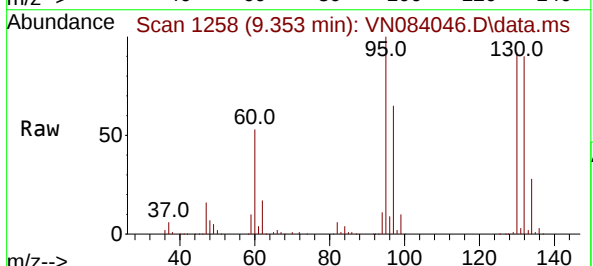
RT: 9.353 min Scan# 1258

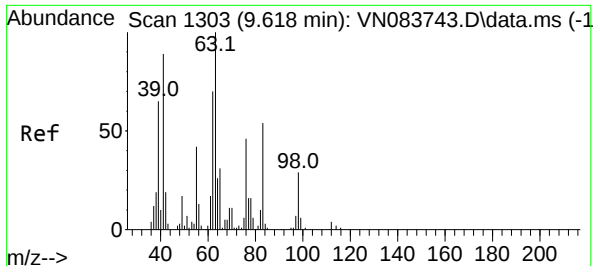
Delta R.T. -0.000 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Tgt Ion: 130	Resp: 936902
Ion Ratio	Lower Upper
130	100
95	108.7 0.0 200.4





#45

1,2-Dichloropropane

Concen: 1.983 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Instrument :

MSVOA_N

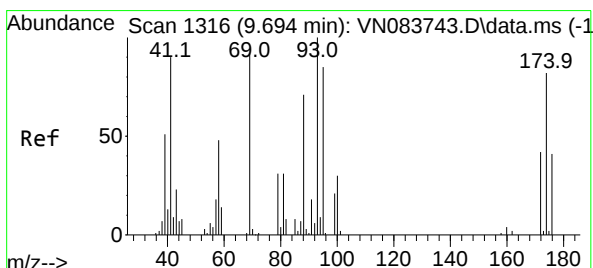
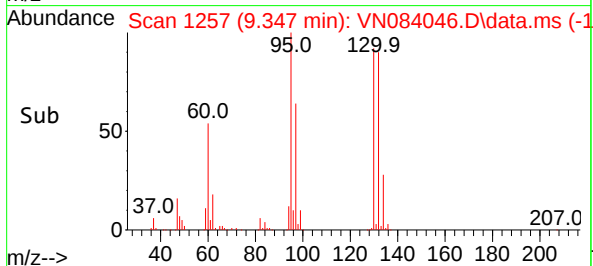
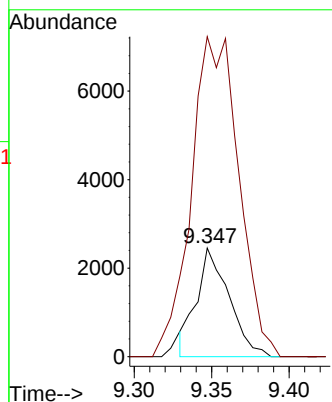
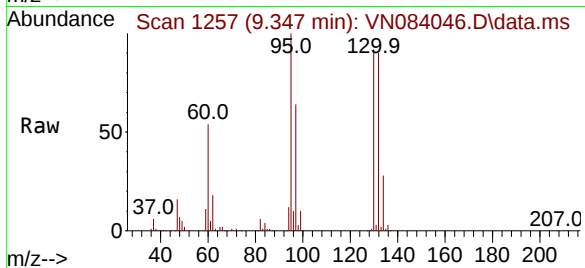
ClientSampleId :

Tgt Ion: 63 Resp: 3570

Ion Ratio Lower Upper

63 100

65 294.5 25.9 38.9#



#49

1,4-Dioxane

Concen: 18.414 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

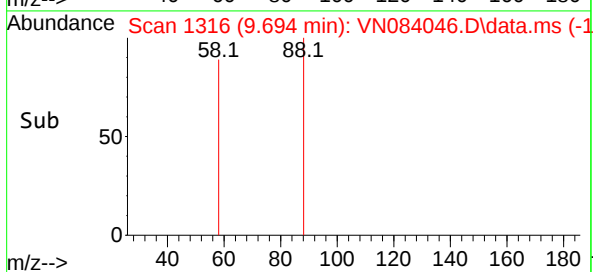
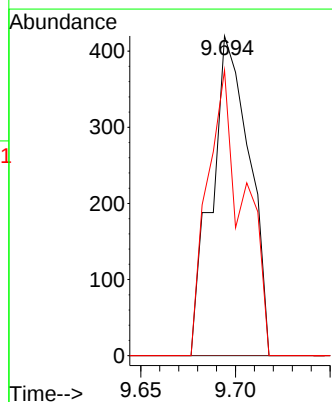
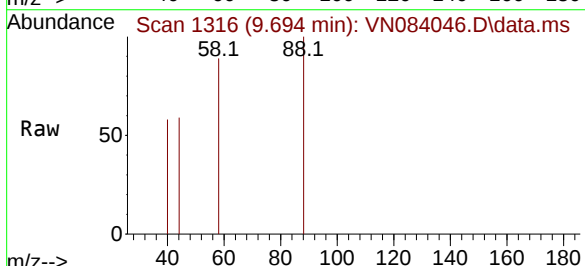
Tgt Ion: 88 Resp: 585

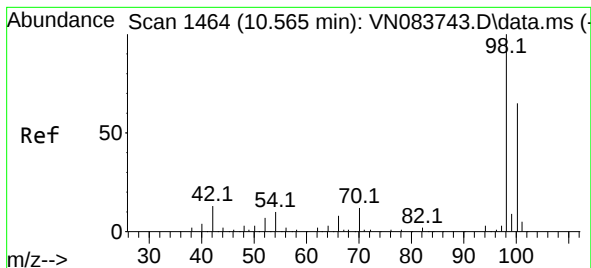
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 86.0 57.1 85.7#





#50

Toluene-d8

Concen: 54.961 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Instrument :

MSVOA_N

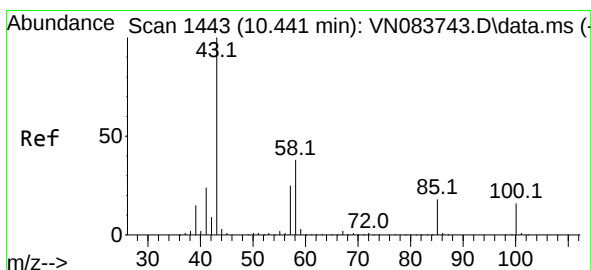
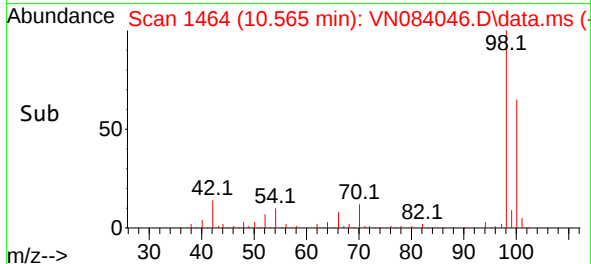
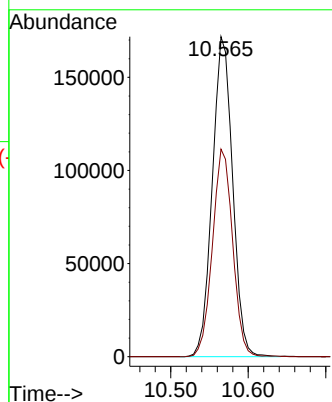
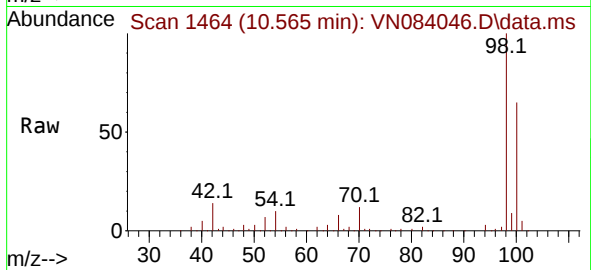
ClientSampleId :

Tgt Ion: 98 Resp: 312390

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.737 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.129 min

Lab File: VN084046.D

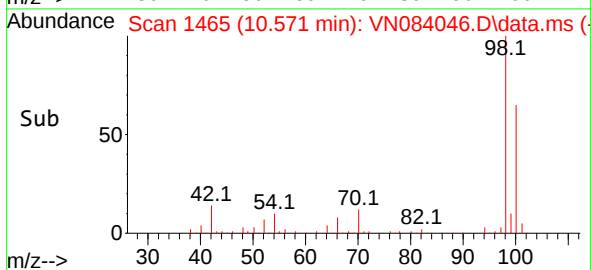
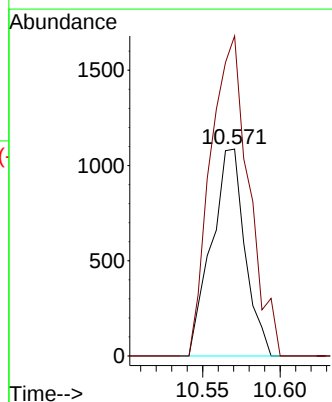
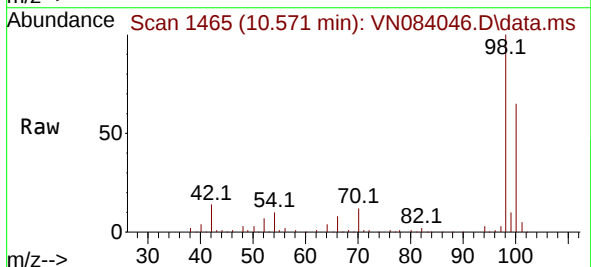
Acq: 19 Sep 2024 20:05

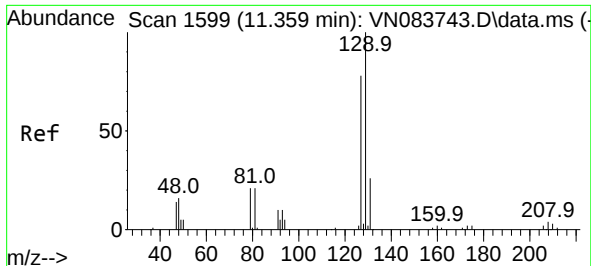
Tgt Ion: 43 Resp: 1633

Ion Ratio Lower Upper

43 100

58 176.4 31.6 47.4#

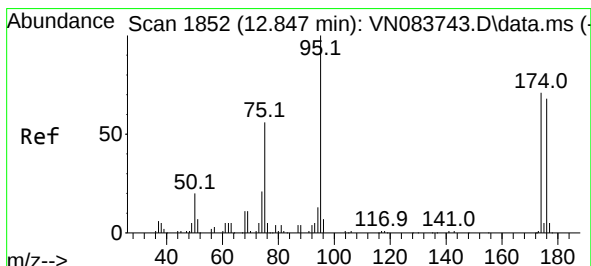
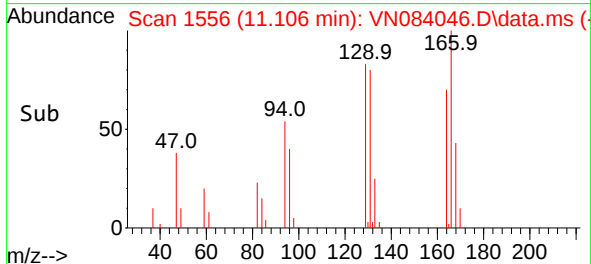
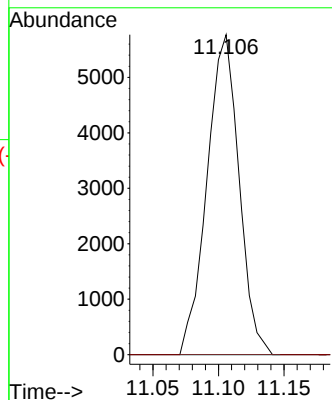
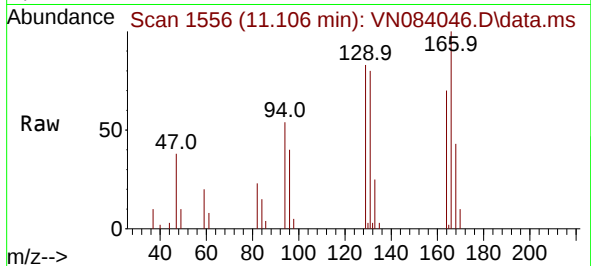




#60
Dibromochloromethane
Concen: 5.149 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

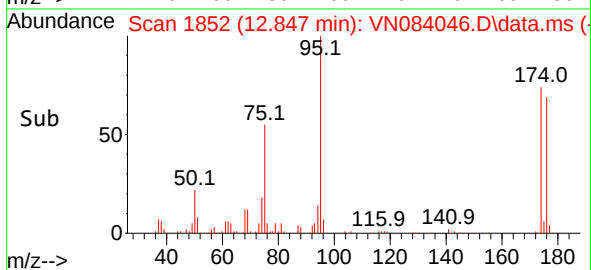
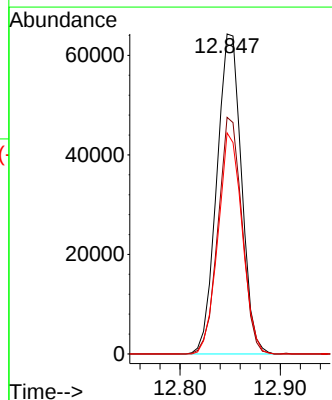
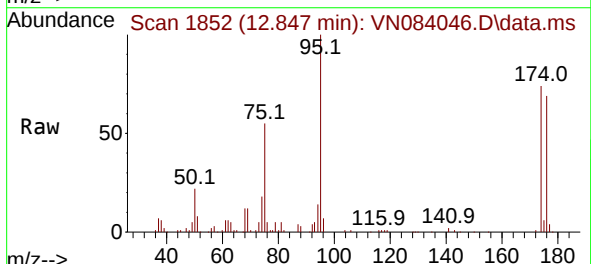
Instrument :
MSVOA_N
ClientSampleId :

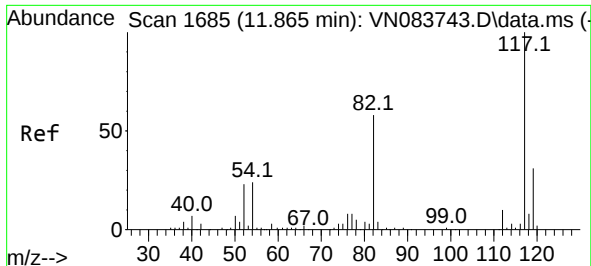
Tgt Ion:129 Resp: 9801
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 46.870 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 95 Resp: 109910
Ion Ratio Lower Upper
95 100
174 71.6 0.0 139.8
176 67.7 0.0 131.4

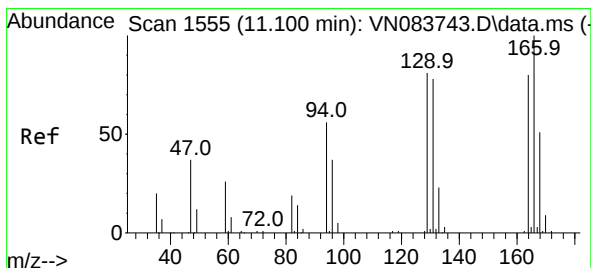
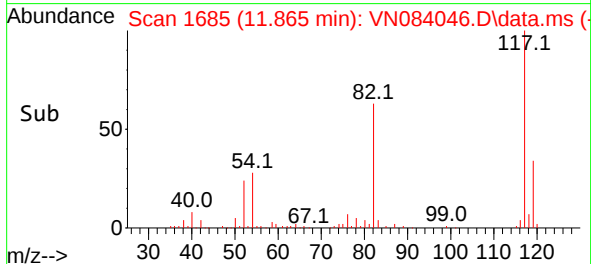
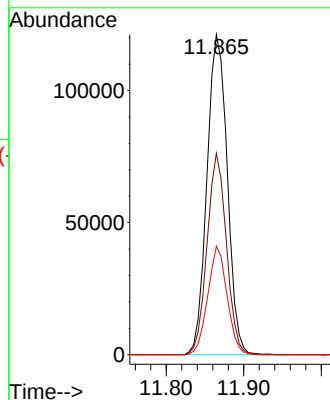
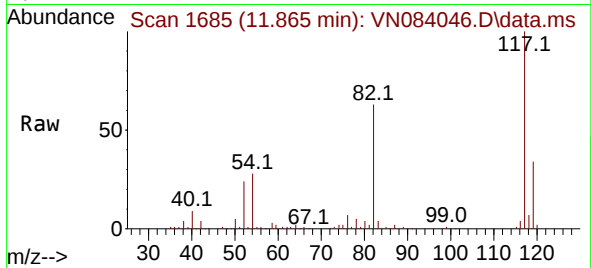




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

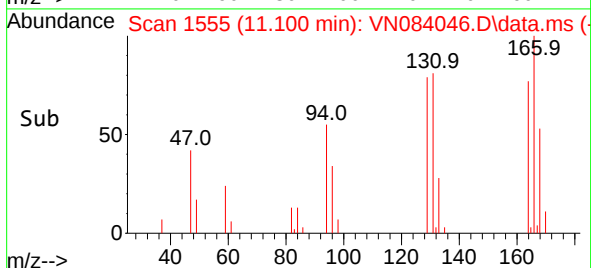
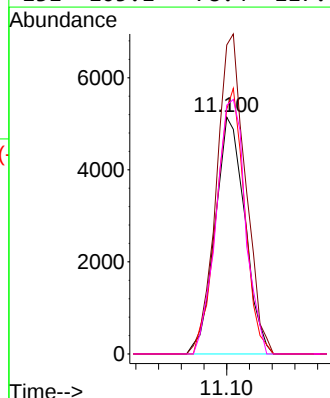
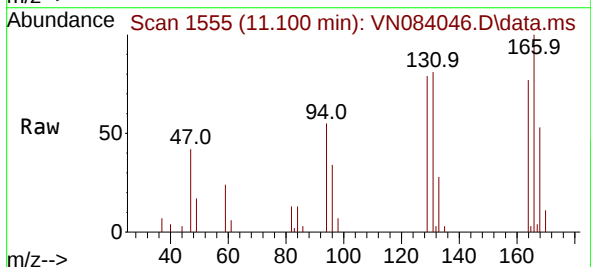
Instrument :
MSVOA_N
ClientSampleId :

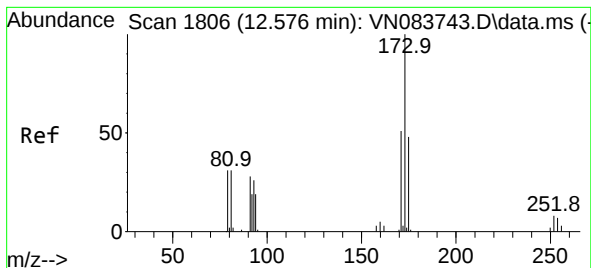
Tgt Ion:117 Resp: 220489
Ion Ratio Lower Upper
117 100
82 62.9 47.4 71.0
119 33.9 26.3 39.5



#64
Tetrachloroethene
Concen: 6.392 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion:164 Resp: 9373
Ion Ratio Lower Upper
164 100
166 130.5 103.7 155.5
129 103.4 79.9 119.9
131 105.1 78.4 117.6





#71

Bromoform

Concen: 0.218 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

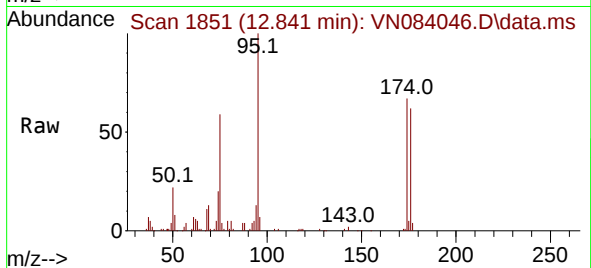
Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

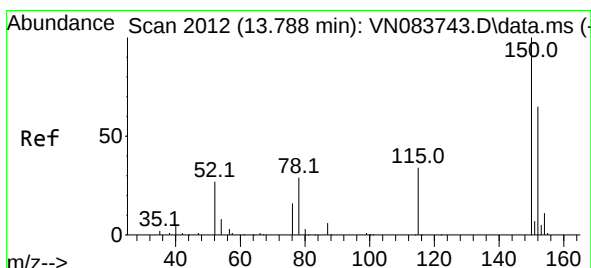
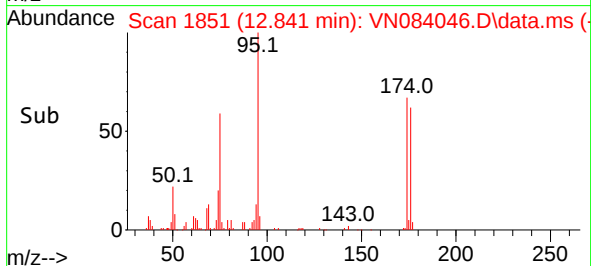
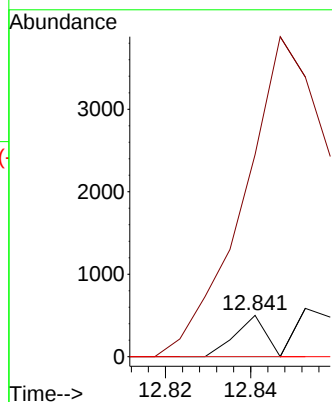
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	249
Ion Ratio	Lower	Upper	
173	100		
175	1695.6	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

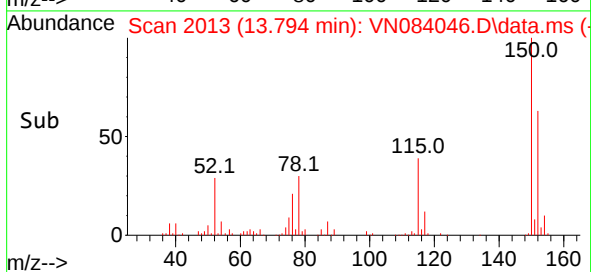
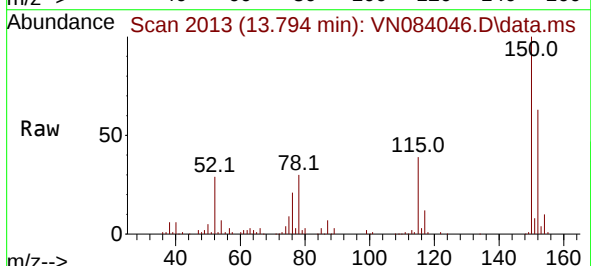
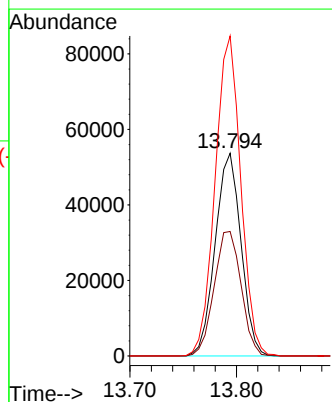
RT: 13.794 min Scan# 2013

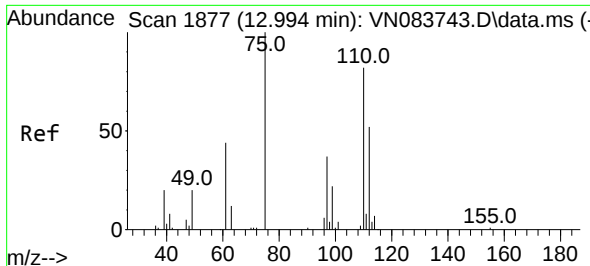
Delta R.T. 0.006 min

Lab File: VN084046.D

Acq: 19 Sep 2024 20:05

Tgt Ion:	152	Resp:	90338
Ion Ratio	Lower	Upper	
152	100		
115	64.1	32.2	96.6
150	156.9	0.0	348.6

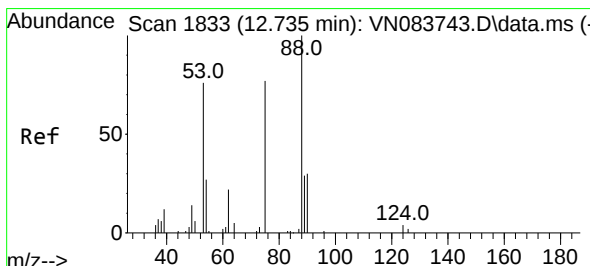
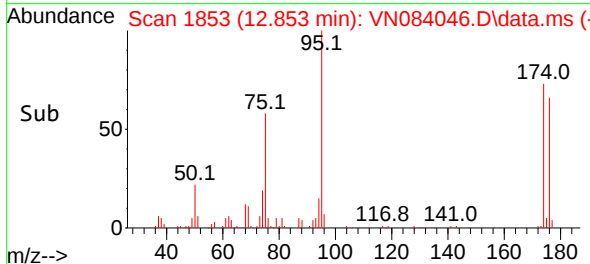
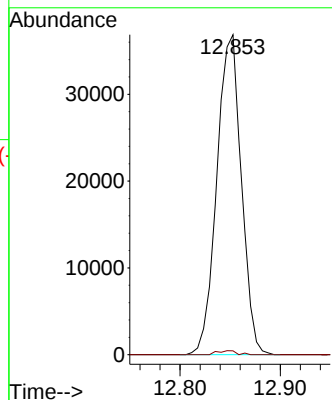
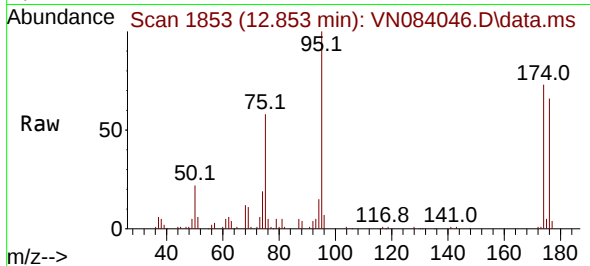




#76
1,2,3-Trichloropropane
Concen: 34.360 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62633
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.992 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN084046.D
Acq: 19 Sep 2024 20:05

Tgt Ion: 75 Resp: 62633
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

