

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084135.D
 Acq On : 24 Sep 2024 15:31
 Operator : JC\MD
 Sample : P4116-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20240917

Quant Time: Sep 25 01:35:20 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)

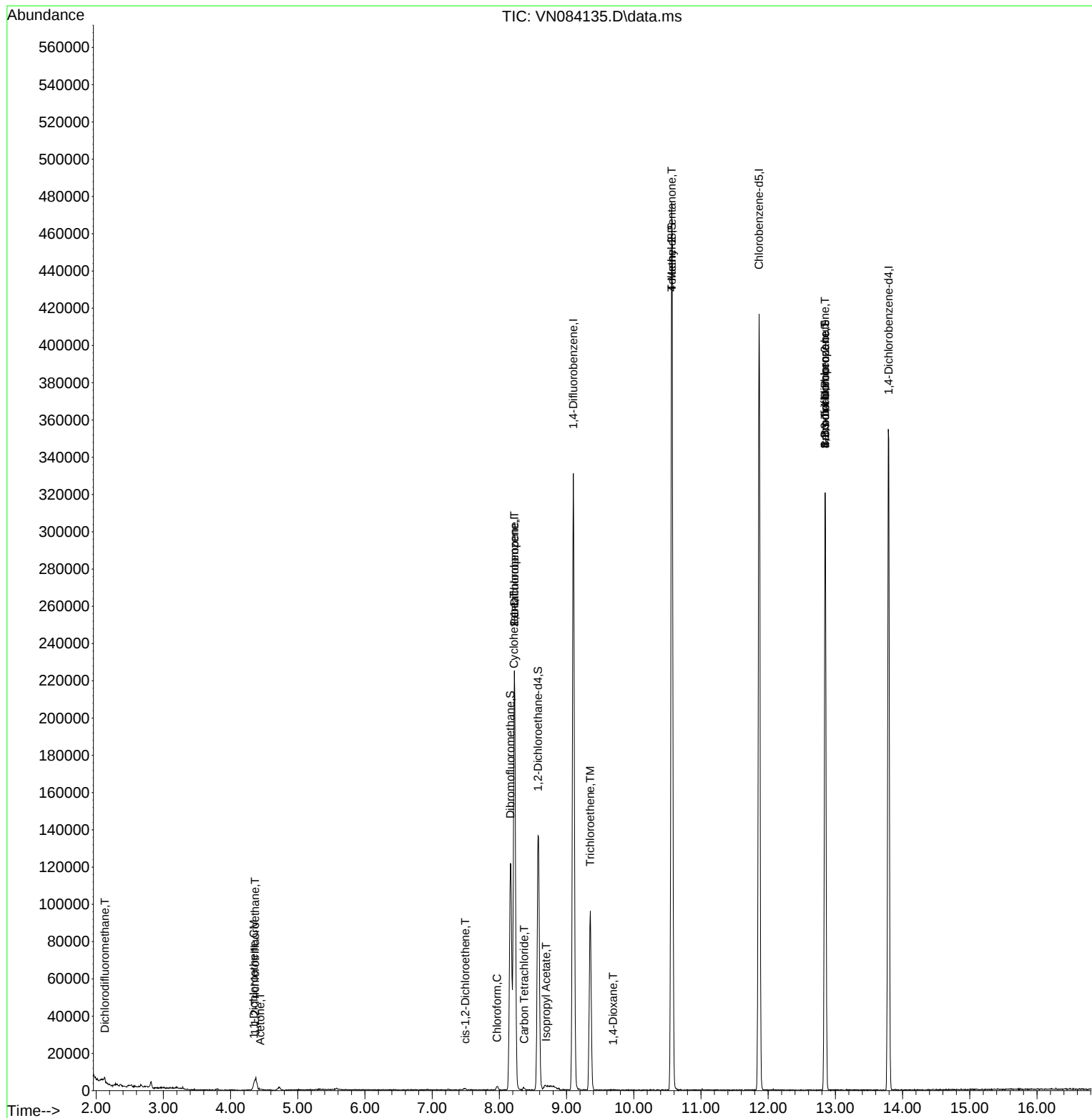
Internal Standards						
1) Pentafluorobenzene	8.224	168	153748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118323	51.039	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.080%	
35) Dibromofluoromethane	8.165	113	88595	51.457	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.920%	
50) Toluene-d8	10.565	98	323802	54.401	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.800%	
62) 4-Bromofluorobenzene	12.847	95	110412	44.962	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1580	0.885	ug/l	80
3) Chloromethane	2.365	50	978	Below Cal	#	86
9) 1,1,2-Trichlorotrifluo...	4.365	101	4634	2.632	ug/l	90
12) 1,1-Dichloroethene	4.347	96	1086	0.653	ug/l	96
16) Acetone	4.441	43	1399	1.505	ug/l #	45
27) cis-1,2-Dichloroethene	7.494	96	738	0.349	ug/l	59
30) Chloroform	7.965	83	2112	0.566	ug/l	94
31) Cyclohexane	8.218	56	3714	1.108	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	14500	5.595	ug/l #	49
38) Carbon Tetrachloride	8.371	117	1169	0.398	ug/l #	49
43) Isopropyl Acetate	8.694	43	2467	0.579	ug/l #	57
44) Trichloroethene	9.353	130	33494	18.543	ug/l	98
49) 1,4-Dioxane	9.694	88	126	3.787	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1573	0.678	ug/l #	1
71) Bromoform	12.847	173	297	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	60769	32.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60769	85.428	ug/l #	9

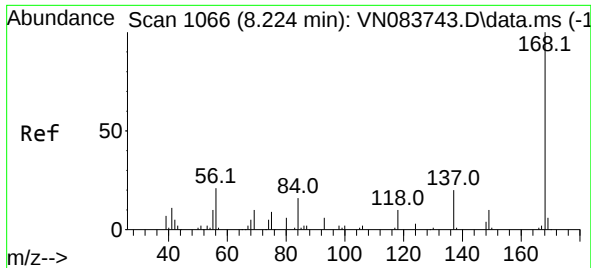
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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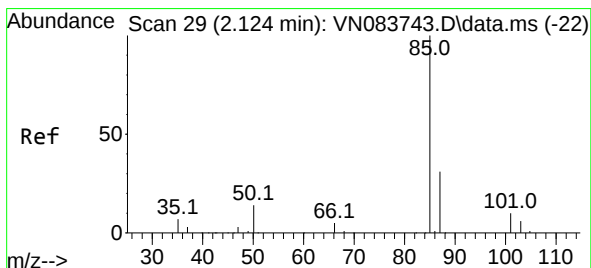
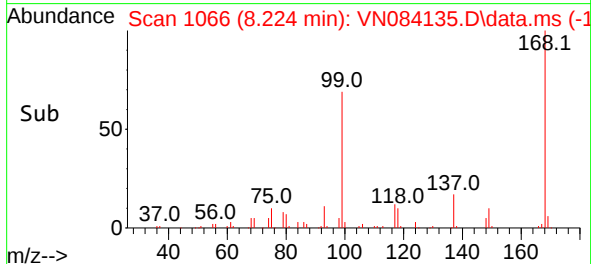
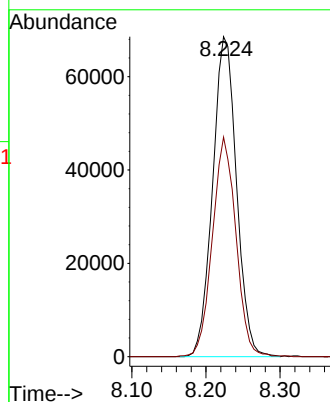
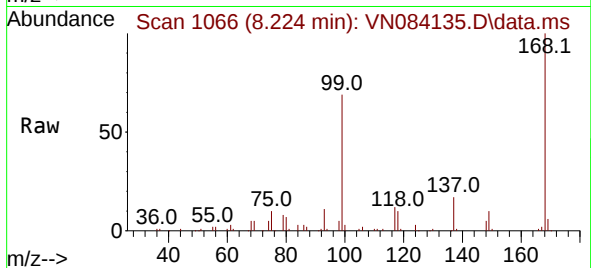




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

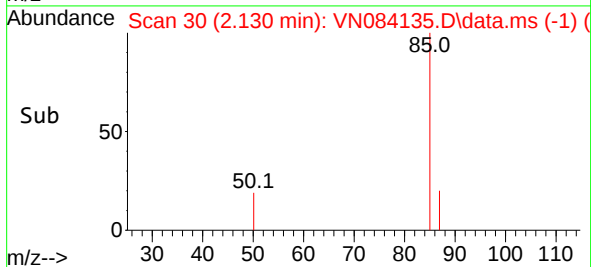
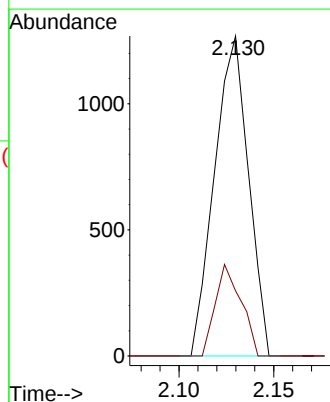
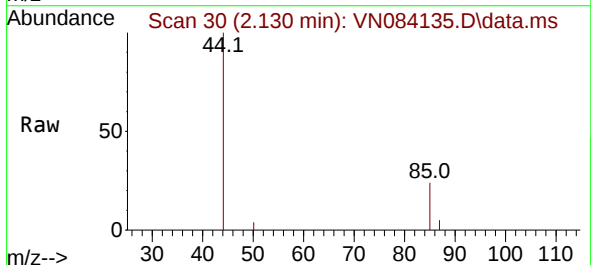
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20240917

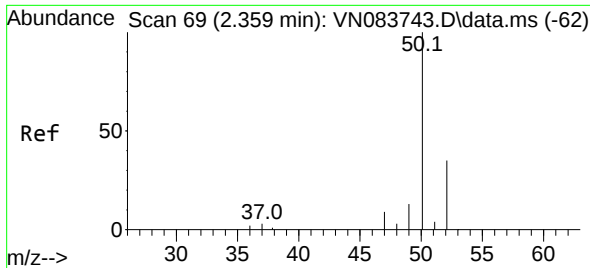
Tgt Ion:168 Resp: 153748
Ion Ratio Lower Upper
168 100
99 68.4 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.885 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Tgt Ion: 85 Resp: 1580
Ion Ratio Lower Upper
85 100
87 20.3 15.7 47.0





#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

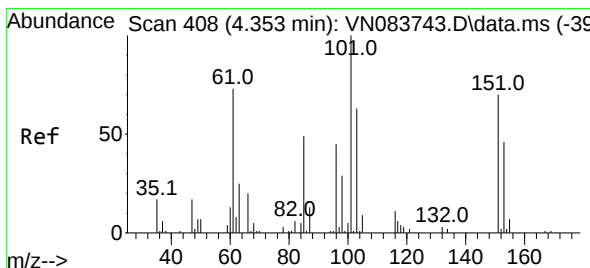
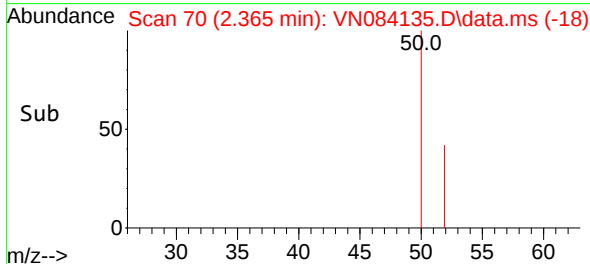
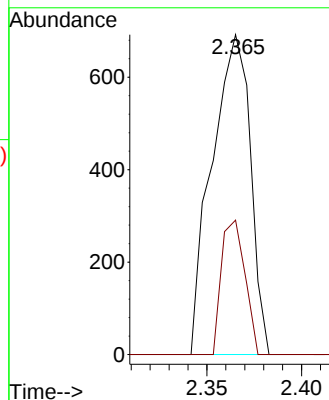
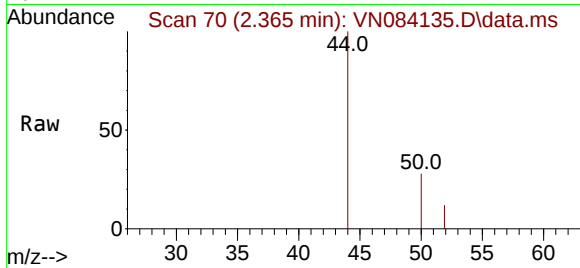
TT191D1-20240917

Tgt Ion: 50 Resp: 978

Ion Ratio Lower Upper

50 100

52 42.1 27.2 40.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.632 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.012 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

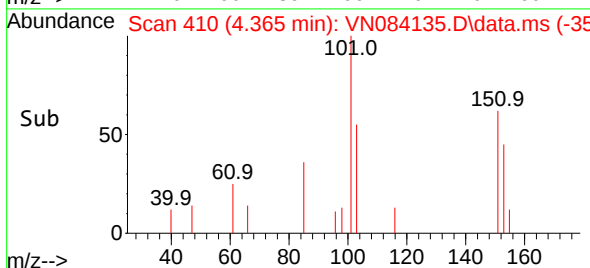
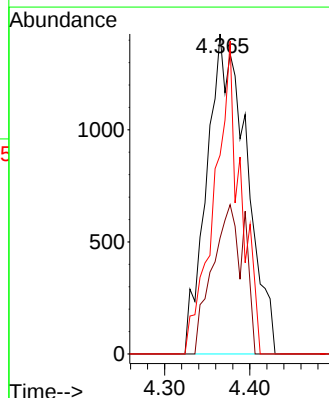
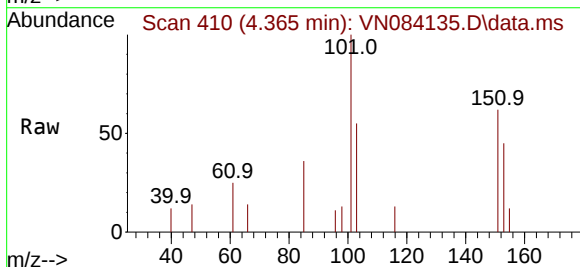
Tgt Ion: 101 Resp: 4634

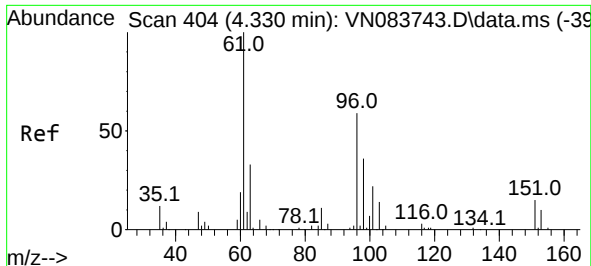
Ion Ratio Lower Upper

101 100

85 37.1 36.2 54.4

151 65.0 57.7 86.5





#12

1,1-Dichloroethene

Concen: 0.653 ug/l

RT: 4.347 min Scan# 407

Delta R.T. 0.018 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

TT191D1-20240917

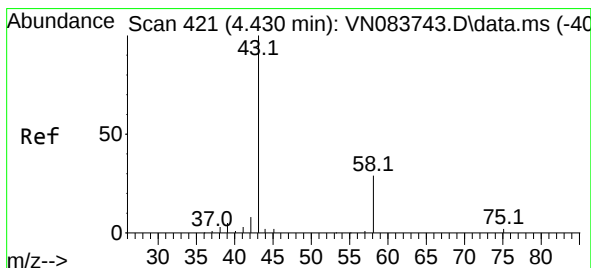
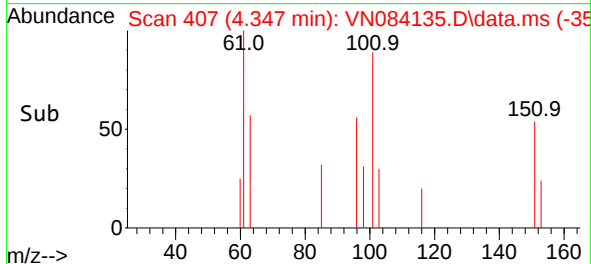
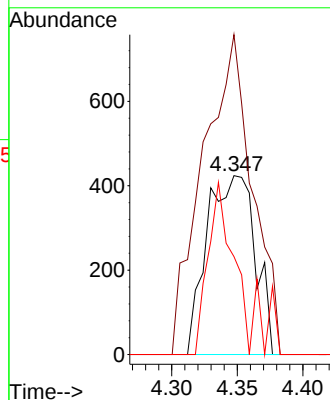
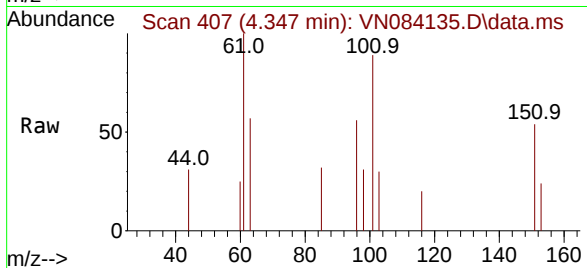
Tgt Ion: 96 Resp: 1086

Ion Ratio Lower Upper

96 100

61 178.8 143.4 215.0

98 54.7 52.7 79.1



#16

Acetone

Concen: 1.505 ug/l

RT: 4.441 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN084135.D

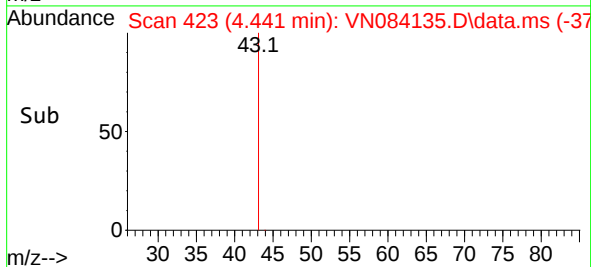
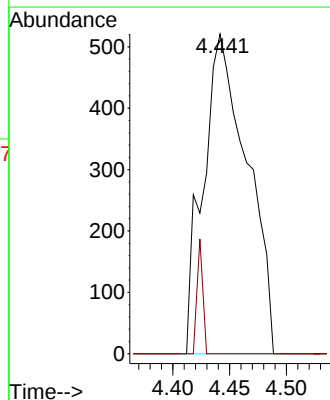
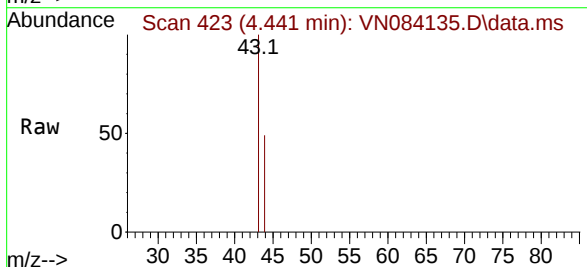
Acq: 24 Sep 2024 15:31

Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#

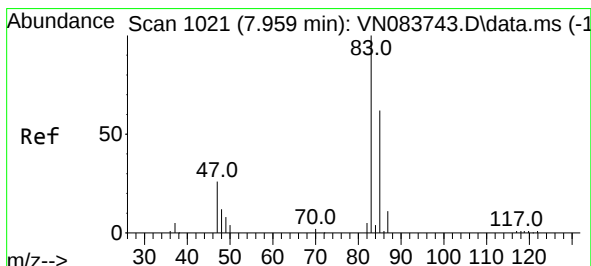
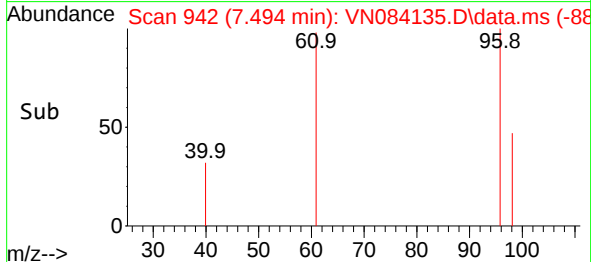
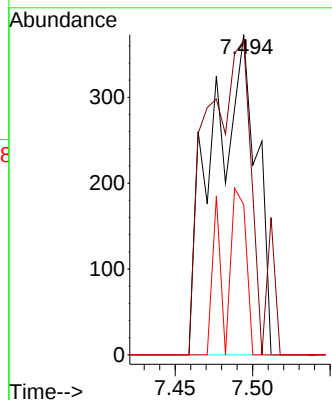
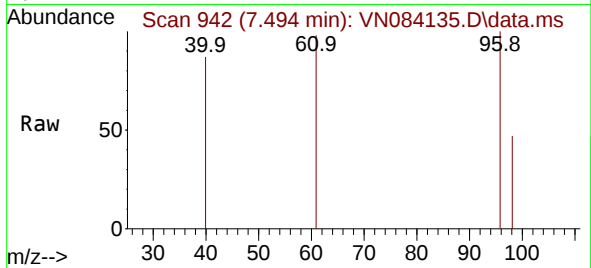




#27
 cis-1,2-Dichloroethene
 Concen: 0.349 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN084135.D
 Acq: 24 Sep 2024 15:31

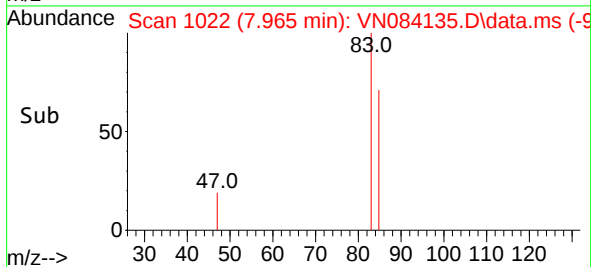
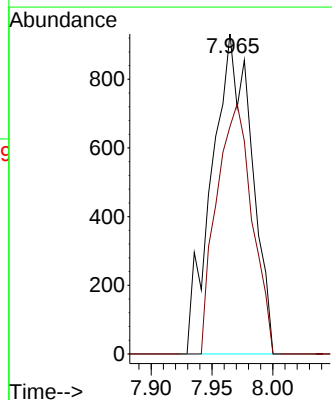
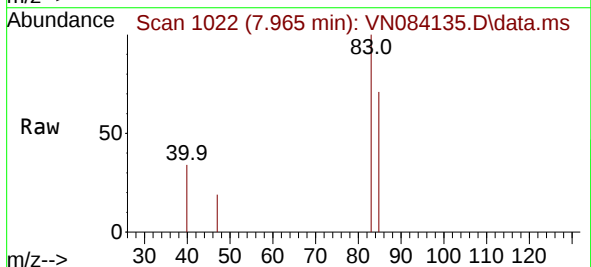
Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20240917

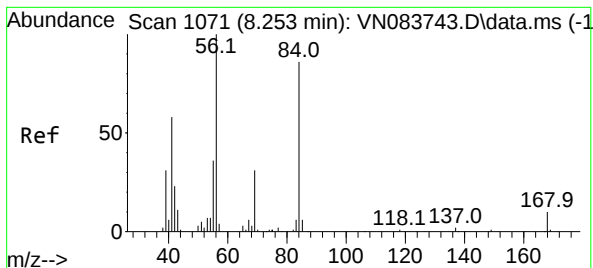
Tgt Ion: 96 Resp: 738
 Ion Ratio Lower Upper
 96 100
 61 103.5 0.0 306.2
 98 26.6 0.0 128.6



#30
 Chloroform
 Concen: 0.566 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.006 min
 Lab File: VN084135.D
 Acq: 24 Sep 2024 15:31

Tgt Ion: 83 Resp: 2112
 Ion Ratio Lower Upper
 83 100
 85 71.0 52.8 79.2





#31

Cyclohexane

Concen: 1.108 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084135.D

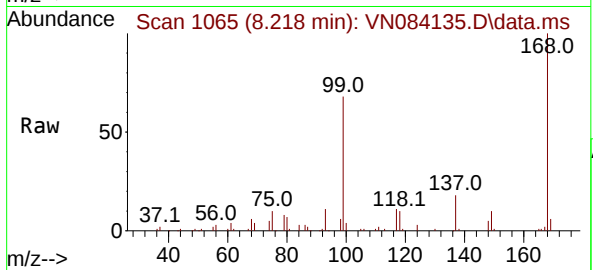
Acq: 24 Sep 2024 15:31

Instrument :

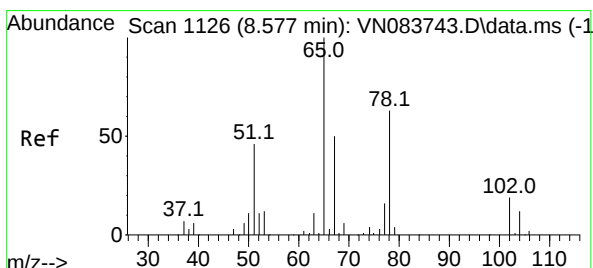
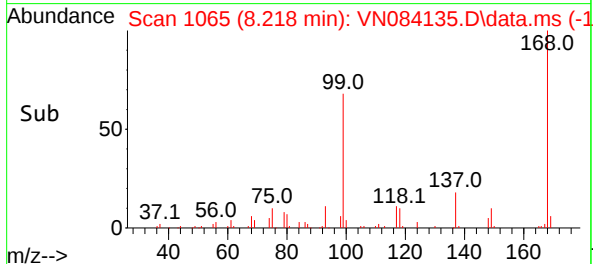
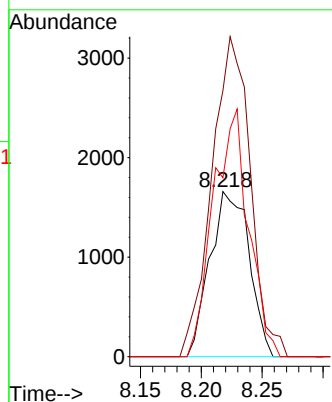
MSVOA_N

ClientSampleId :

TT191D1-20240917



Tgt Ion:	56	Resp:	3714
Ion Ratio	100		
Lower	26.9		
Upper	40.3#		
84	108.3	69.2	103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.039 ug/l

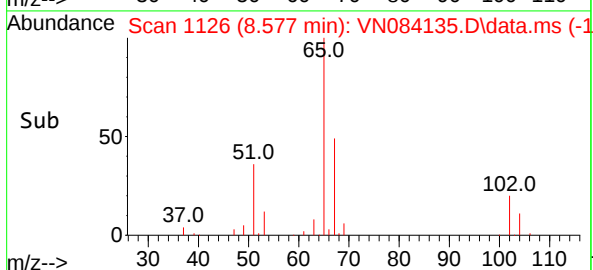
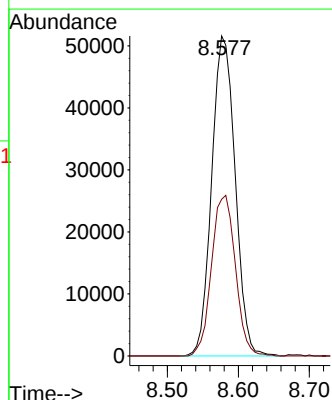
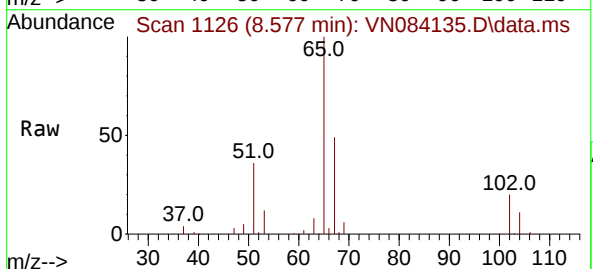
RT: 8.577 min Scan# 1126

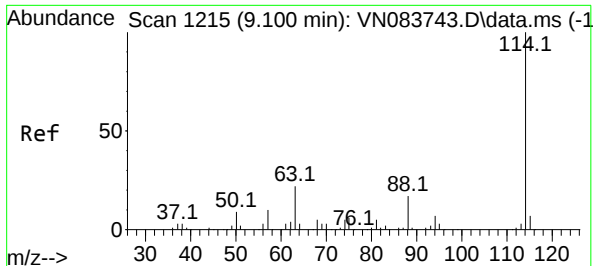
Delta R.T. -0.000 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Tgt Ion:	65	Resp:	118323
Ion Ratio	100		
Lower	0.0		
Upper	100.8		
67	51.1		

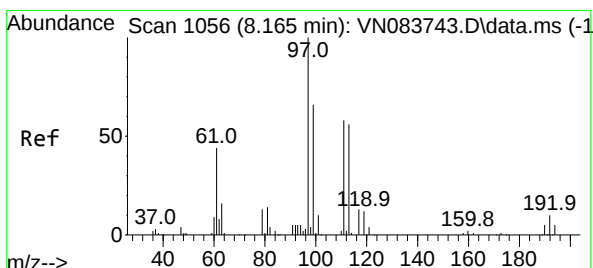
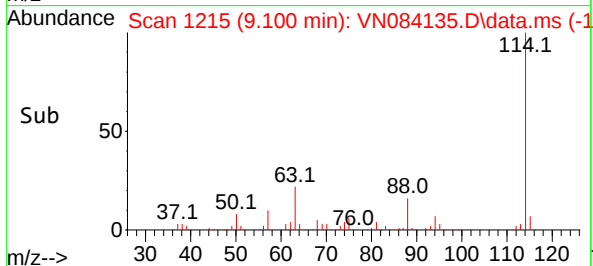
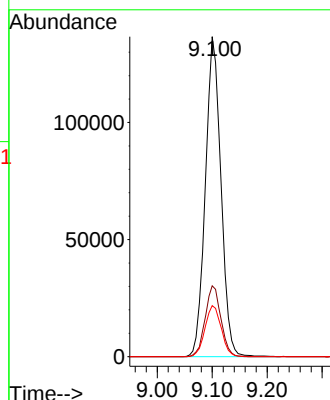
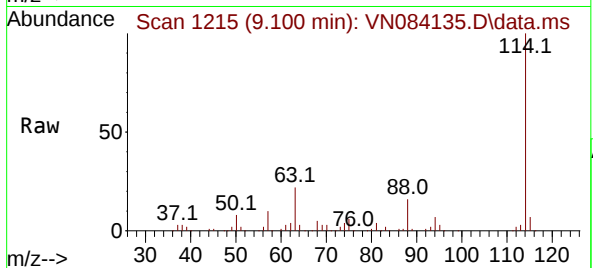




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

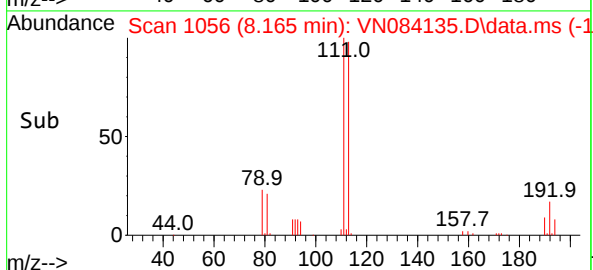
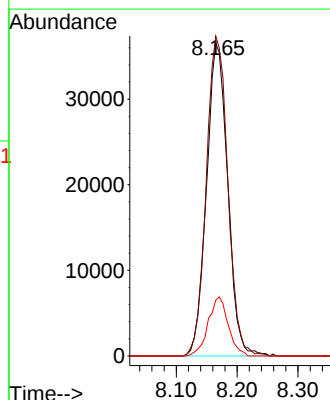
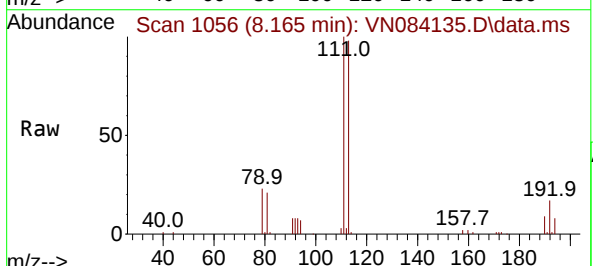
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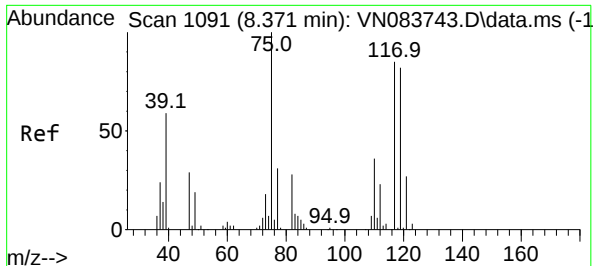
Tgt Ion:114 Resp: 268941
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.457 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Tgt Ion:113 Resp: 88595
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.595 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

TT191D1-20240917

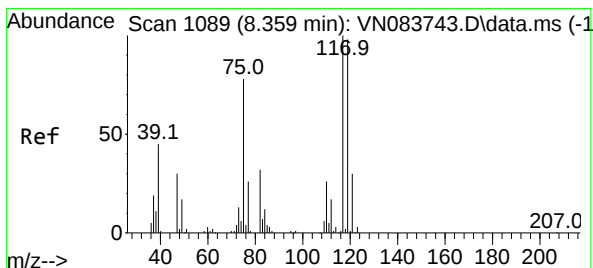
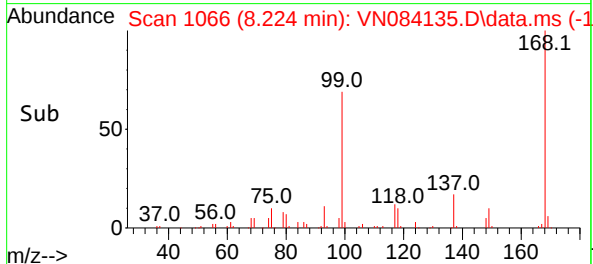
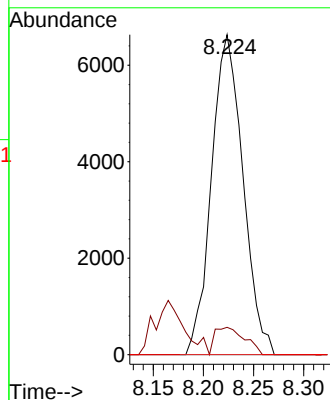
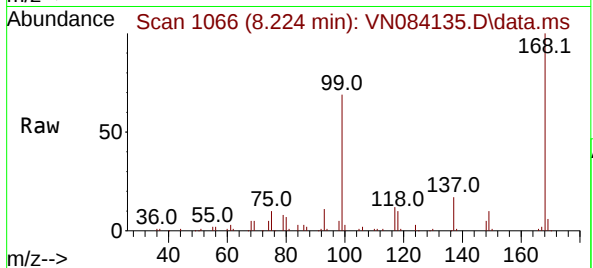
Tgt Ion: 75 Resp: 14500

Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 0.398 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.012 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

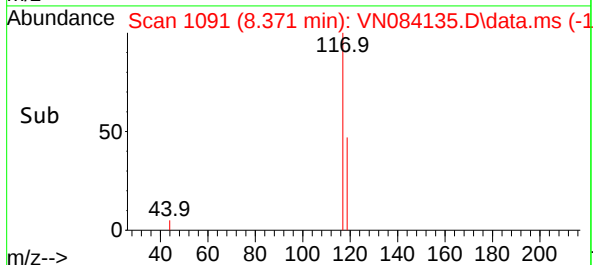
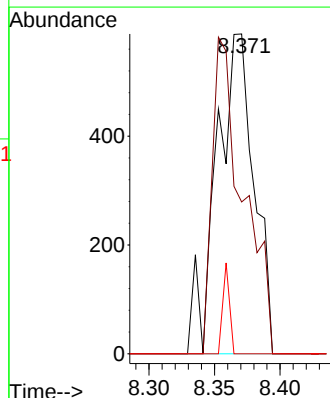
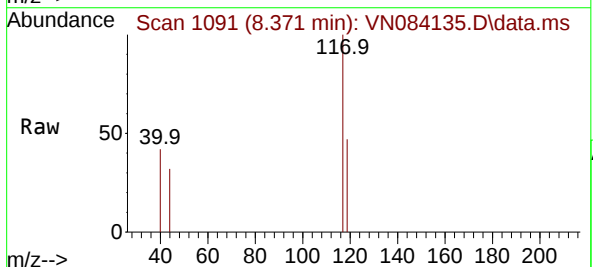
Tgt Ion: 117 Resp: 1169

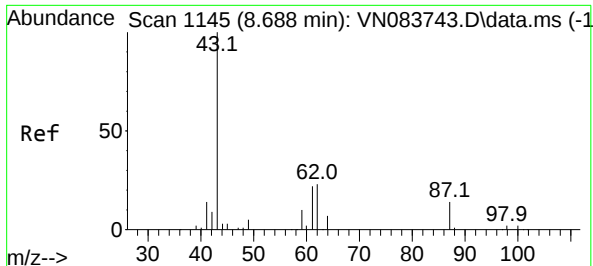
Ion Ratio Lower Upper

117 100

119 47.4 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 0.579 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

TT191D1-20240917

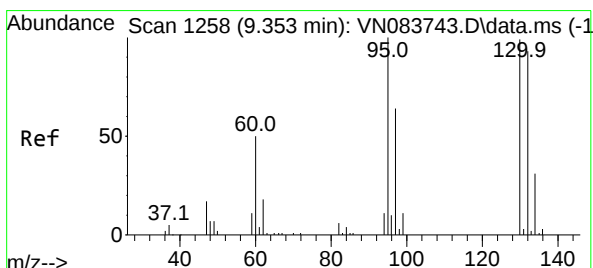
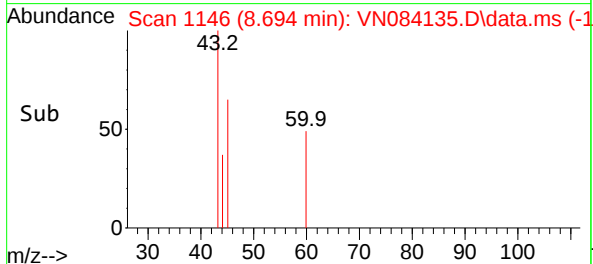
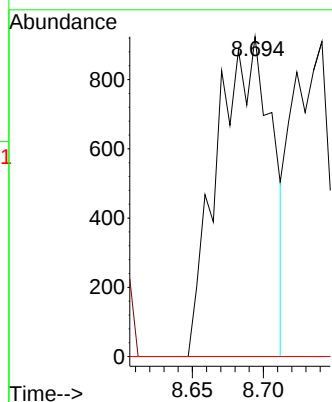
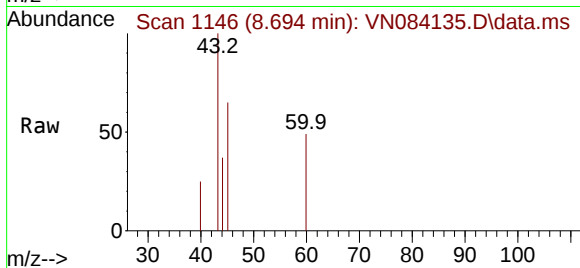
Tgt Ion: 43 Resp: 2467

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 18.543 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084135.D

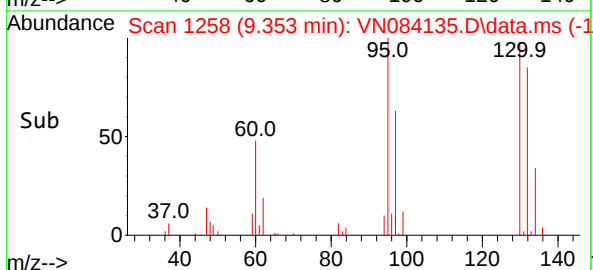
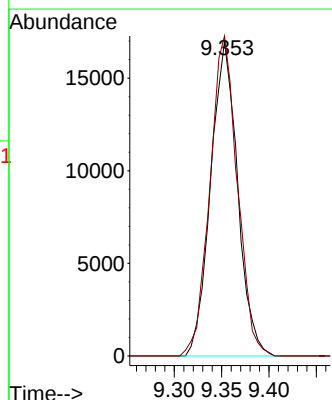
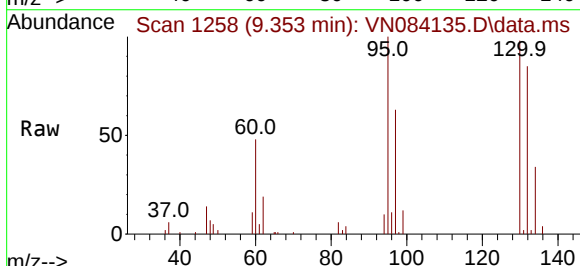
Acq: 24 Sep 2024 15:31

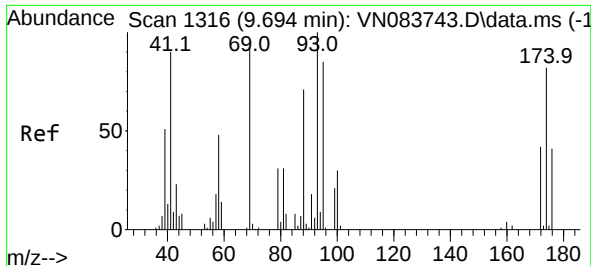
Tgt Ion:130 Resp: 33494

Ion Ratio Lower Upper

130 100

95 101.7 0.0 200.4

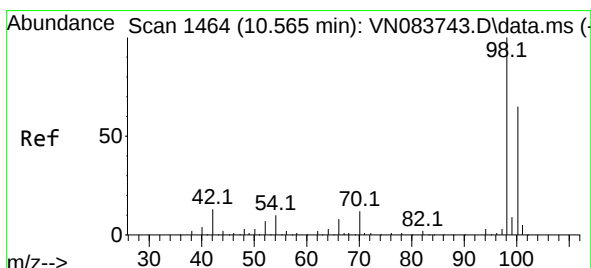
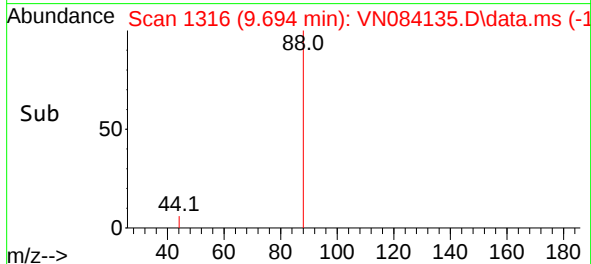
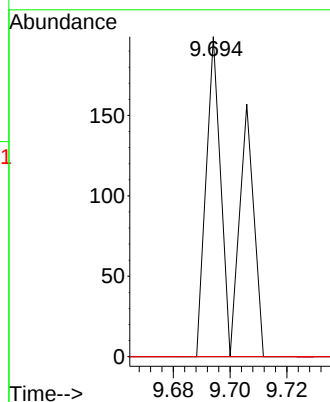
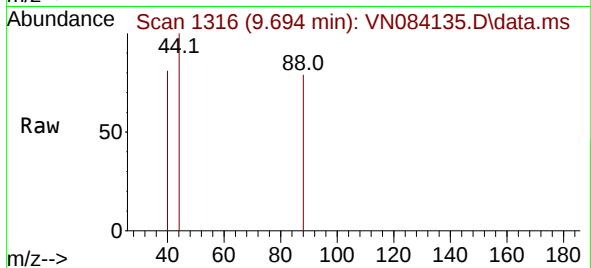




#49
1,4-Dioxane
Concen: 3.787 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

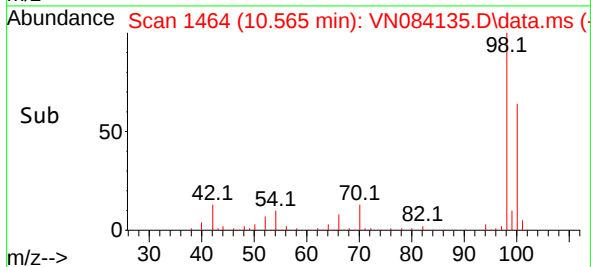
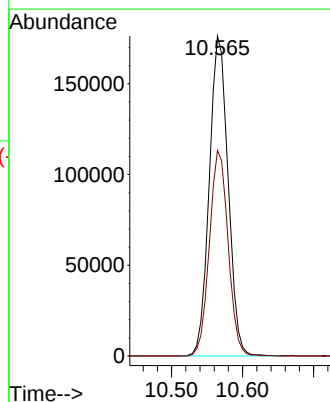
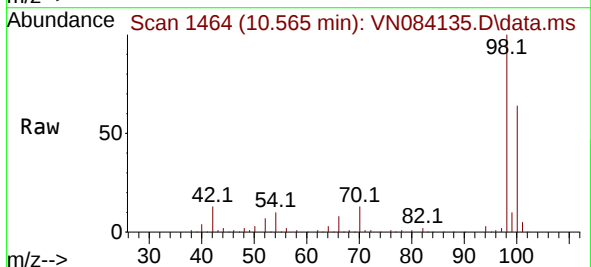
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20240917

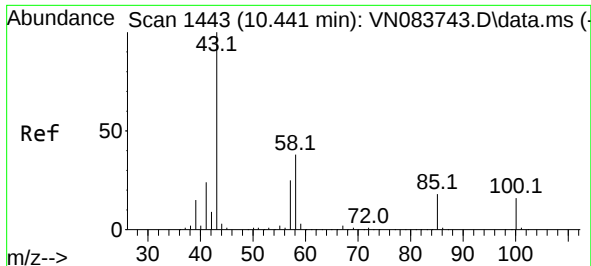
Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 54.401 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Tgt Ion: 98 Resp: 323802
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

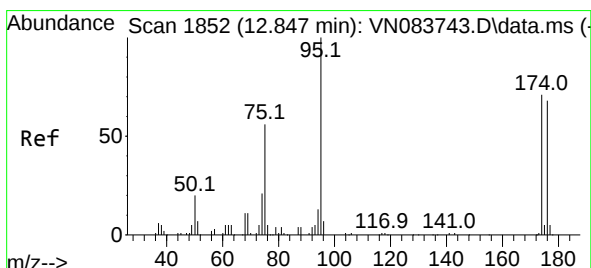
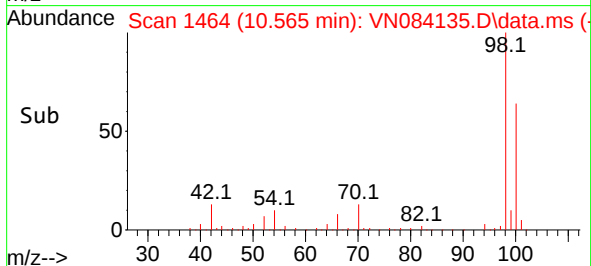
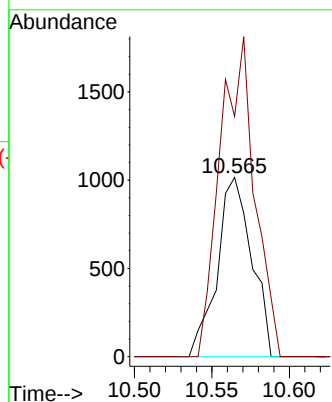
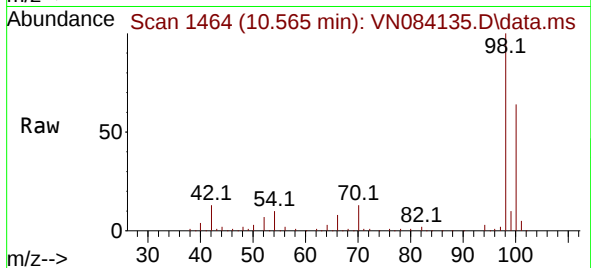




#51
4-Methyl-2-Pentanone
Concen: 0.678 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

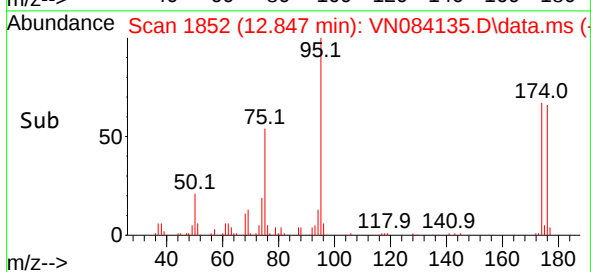
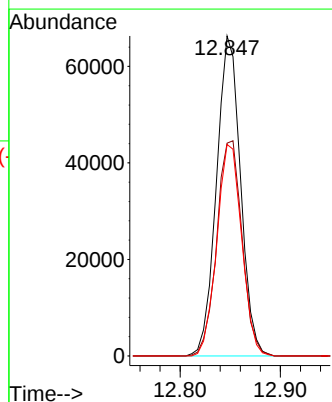
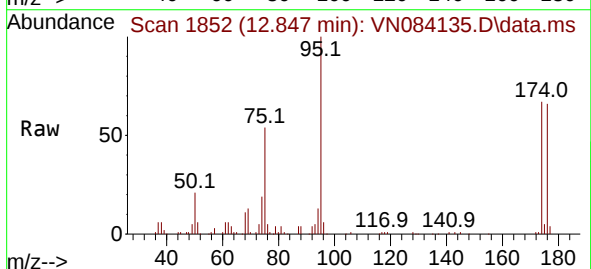
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20240917

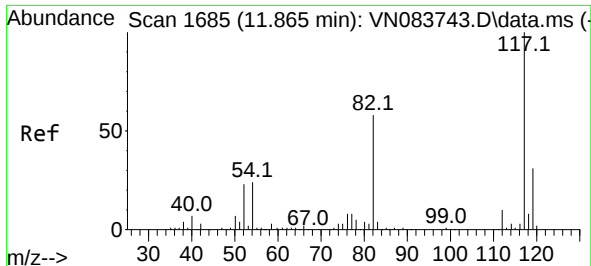
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
58 179.1 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 44.962 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Tgt Ion: 95 Resp: 110412
Ion Ratio Lower Upper
95 100
174 70.7 0.0 139.8
176 68.2 0.0 131.4

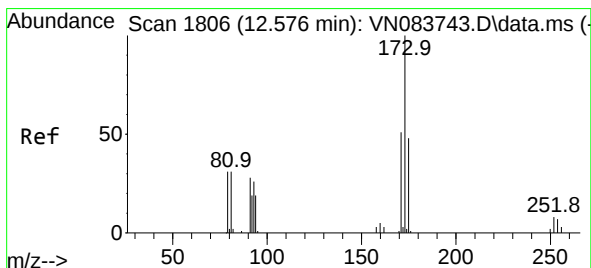
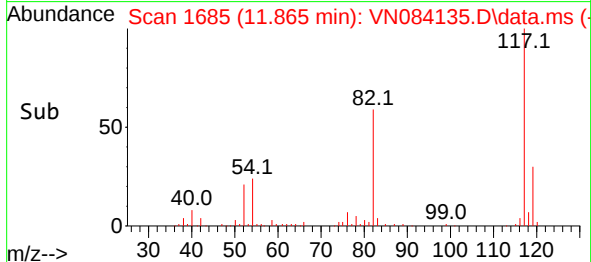
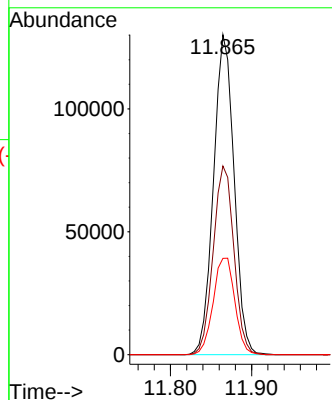
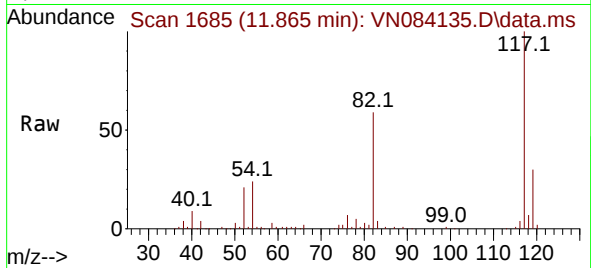




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

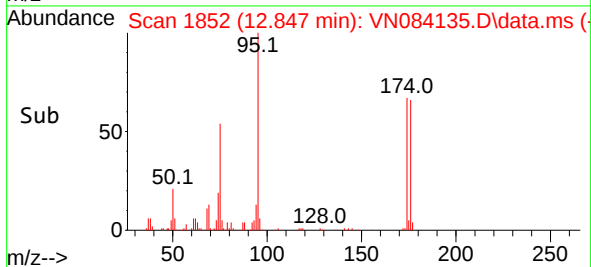
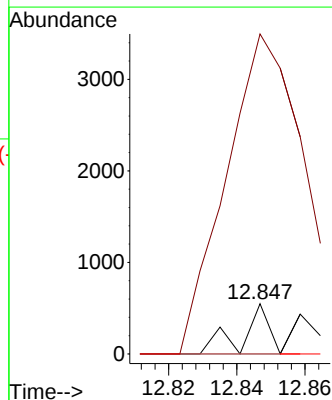
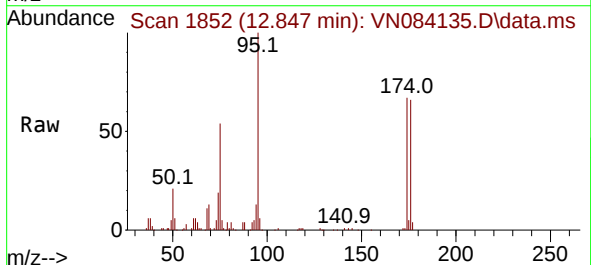
Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20240917

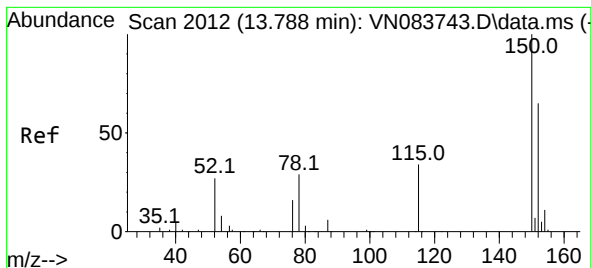
Tgt Ion:117 Resp: 229346
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.0
119 30.1 26.3 39.5



#71
Bromoform
Concen: 0.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Tgt Ion:173 Resp: 297
Ion Ratio Lower Upper
173 100
175 1399.0 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# 20

Delta R.T. 0.006 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

TT191D1-20240917

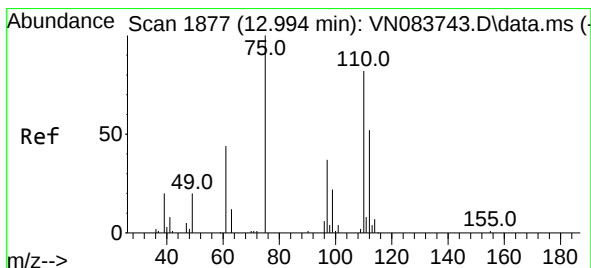
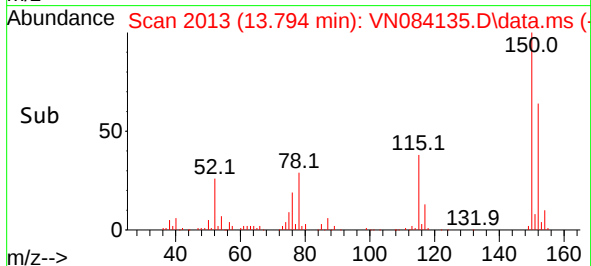
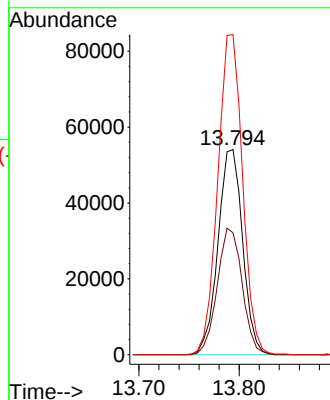
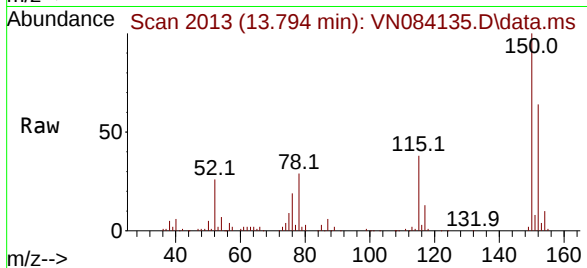
Tgt Ion:152 Resp: 92332

Ion Ratio Lower Upper

152 100

115 62.2 32.2 96.6

150 156.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 32.618 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084135.D

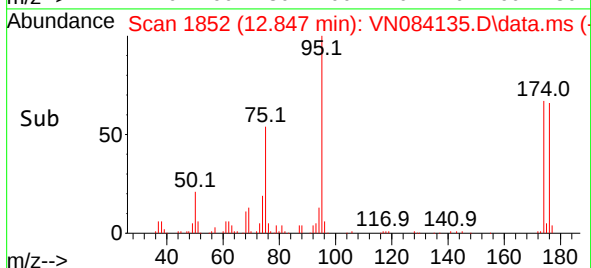
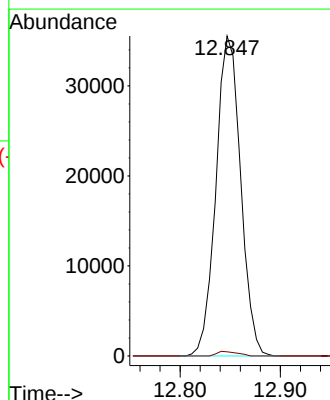
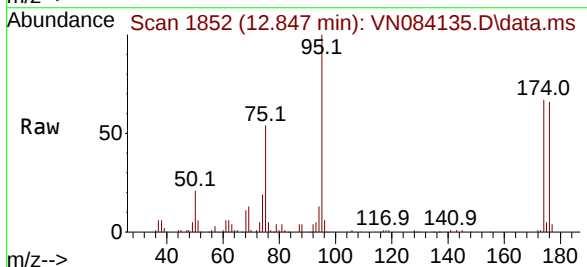
Acq: 24 Sep 2024 15:31

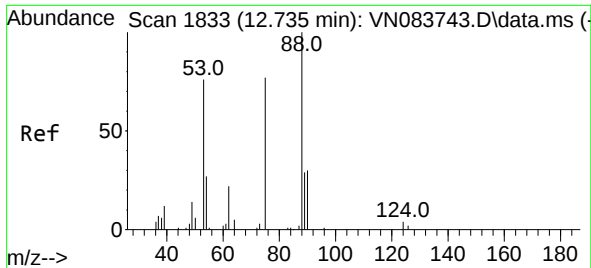
Tgt Ion: 75 Resp: 60769

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.428 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_N
ClientSampleId :
TT191D1-20240917

Tgt Ion: 75 Resp: 60769
Ion Ratio Lower Upper
75 100
53 0.1 81.2 121.8#
89 0.0 35.7 53.5#

