

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 :

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)

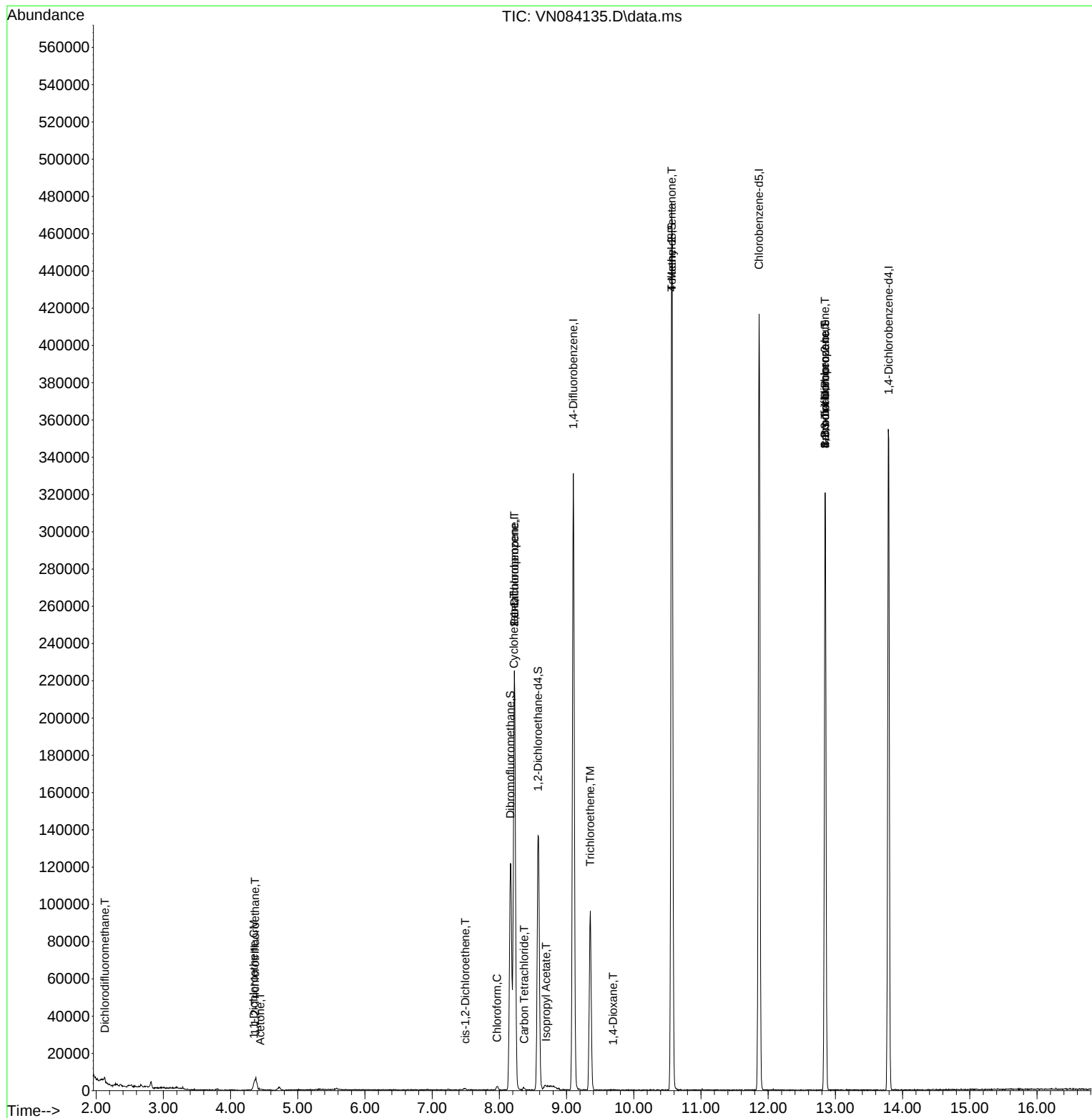
Internal Standards						
1) Pentafluorobenzene	8.224	168	153748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

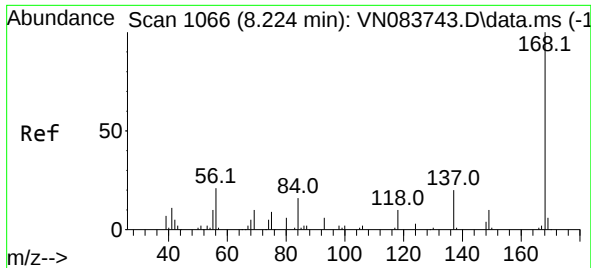
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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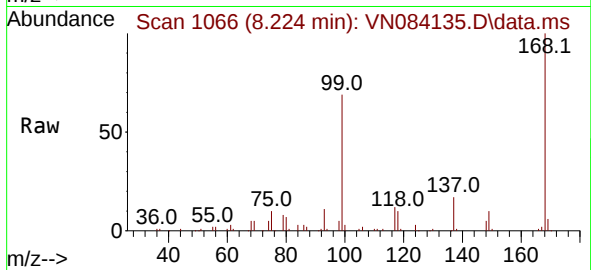
Quant Time: Sep 25 01:35:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



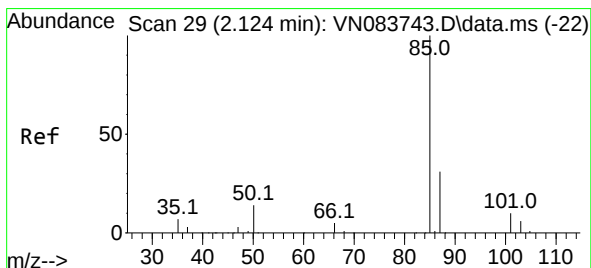
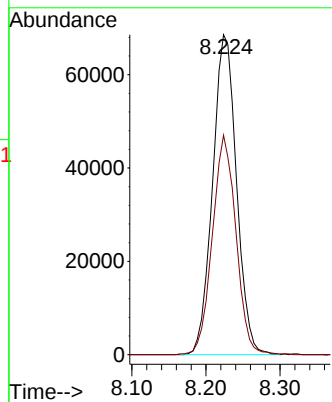
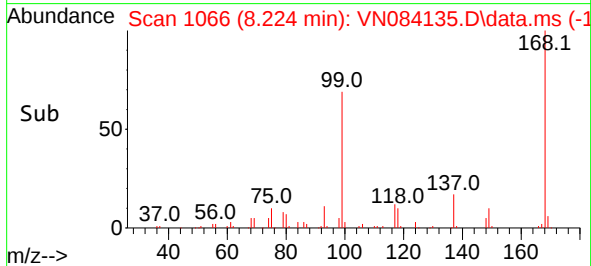


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_N
ClientSampleId :

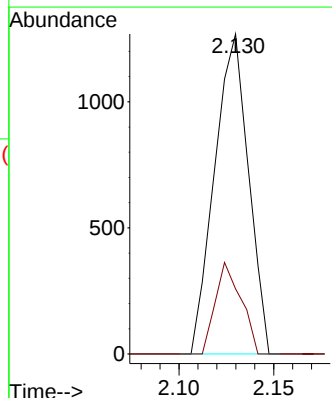
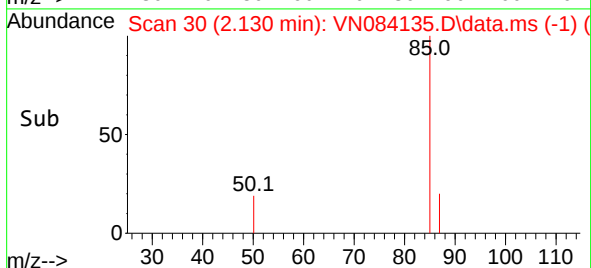
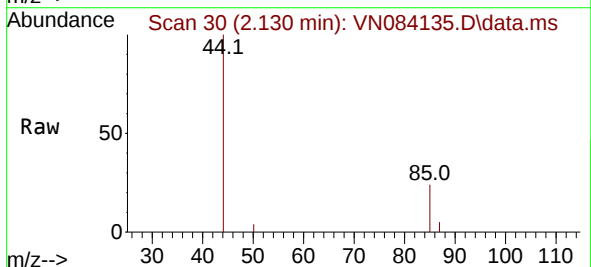


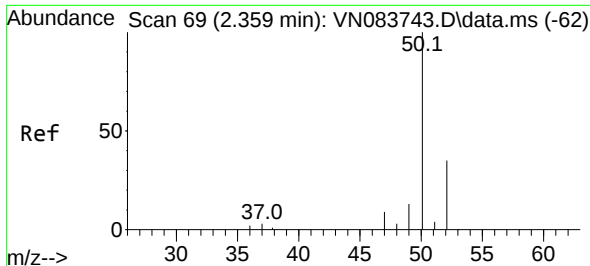
Tgt Ion:168 Resp: 153748
Ion Ratio Lower Upper
168 100
99 68.4 54.2 81.2



#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

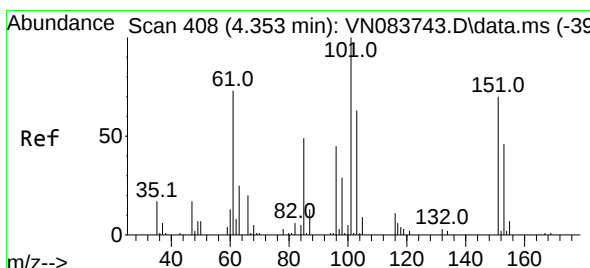
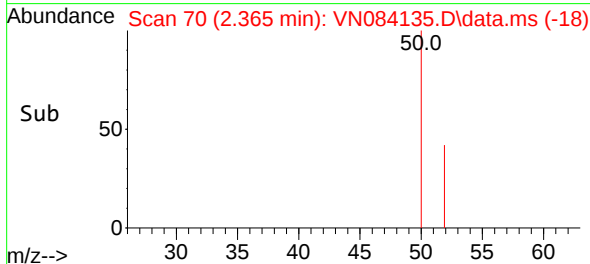
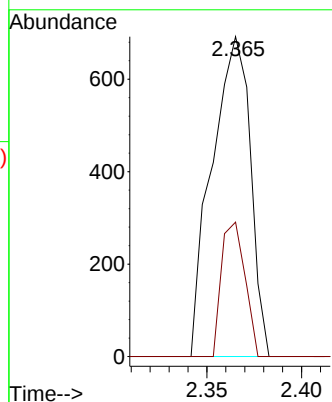
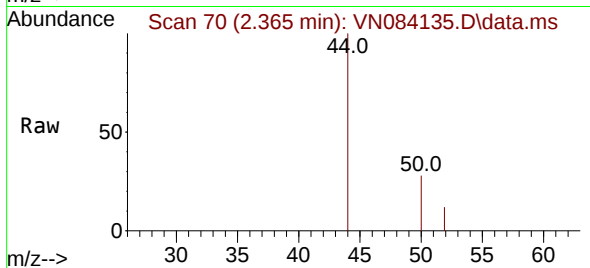




#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

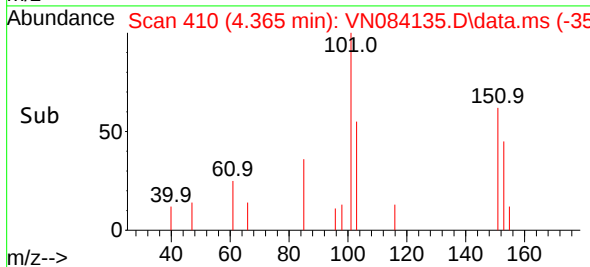
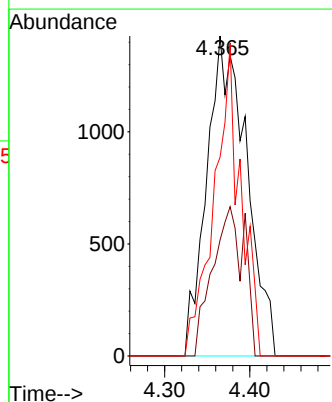
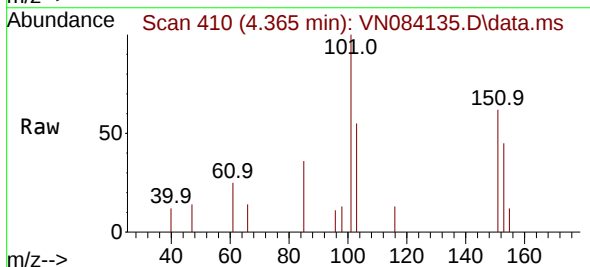
Instrument :
MSVOA_N
ClientSampleId :

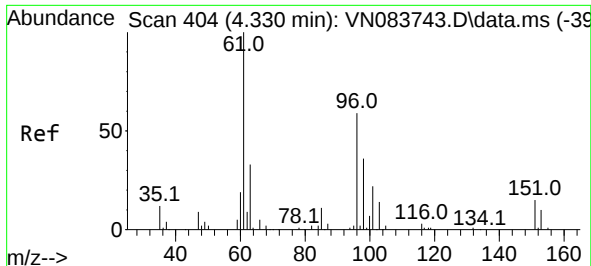
Tgt Ion: 50 Resp: 978
Ion Ratio Lower Upper
50 100
52 42.1 27.2 40.8#



#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 :

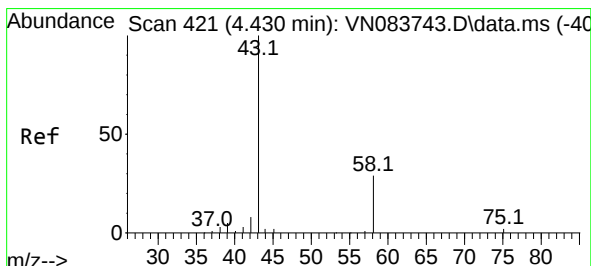
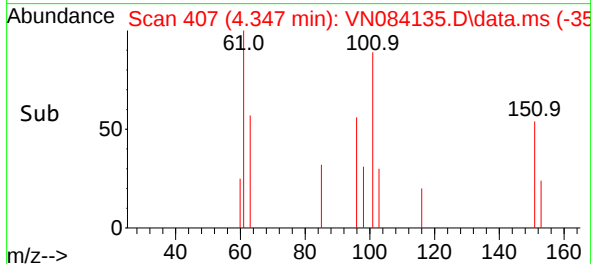
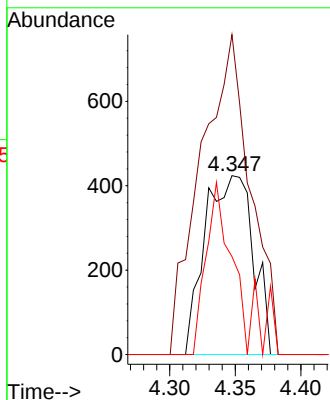
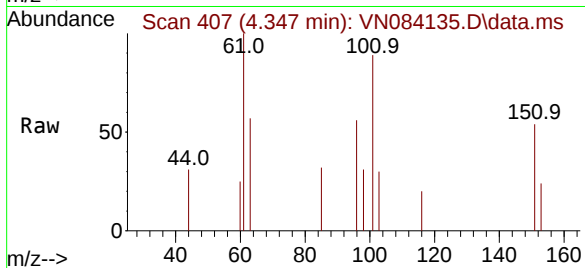
Tgt Ion: 96 Resp: 1086

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

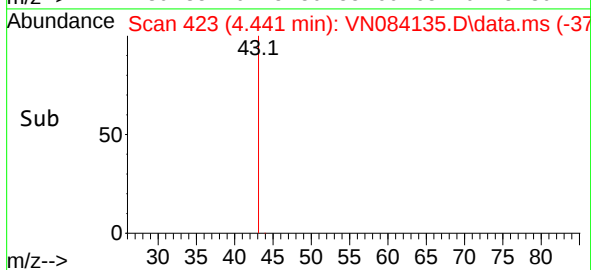
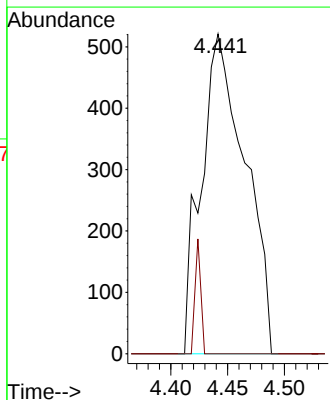
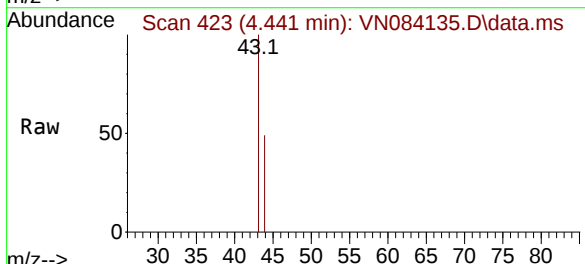
Acq: 24 Sep 2024 15:31

Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

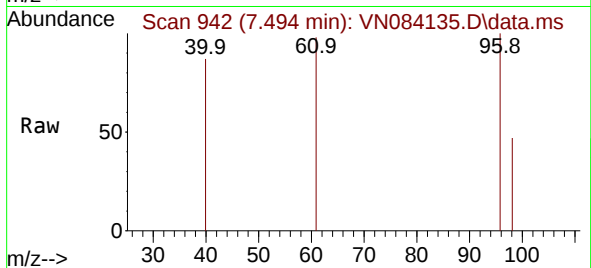
58 0.0 23.7 35.5#





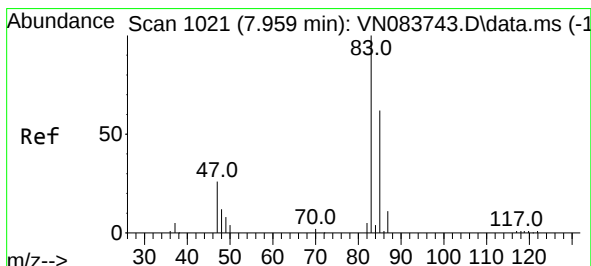
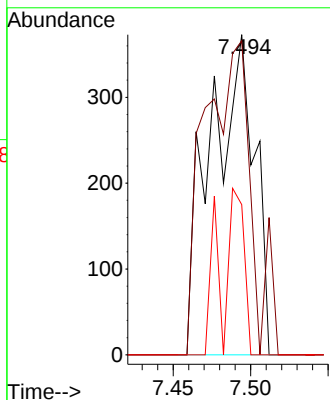
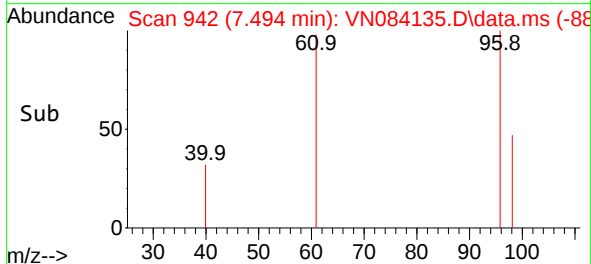
#27
 cis-1,2-Dichloroethene
 Concen: 0.349 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN084135.D
 Acq: 24 Sep 2024 15:31

Instrument :
 MSVOA_N
 ClientSampleId :

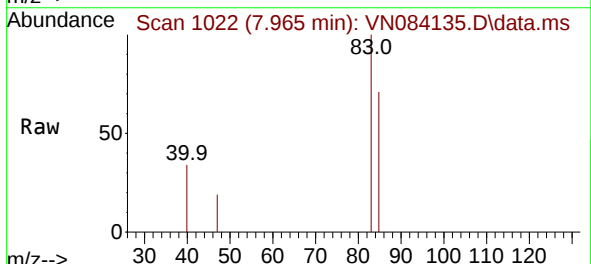


Tgt Ion: 96 Resp: 738

Ion	Ratio	Lower	Upper
96	100		
61	103.5	0.0	306.2
98	26.6	0.0	128.6

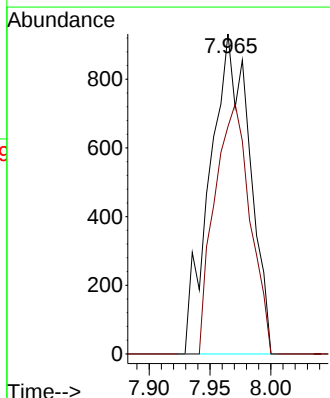
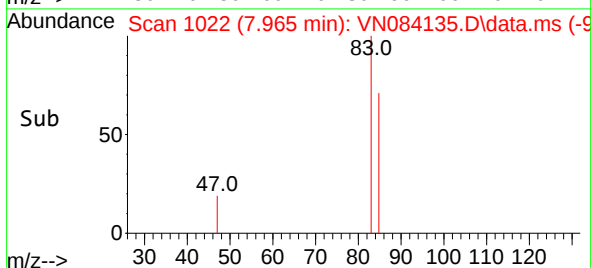


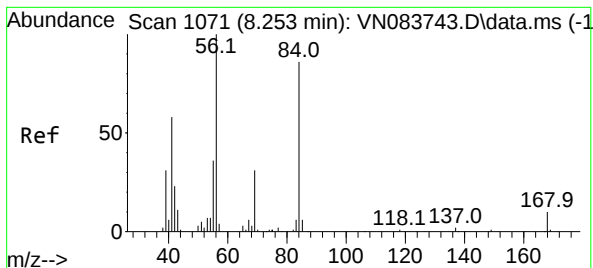
#30
 Chloroform
 Concen: 0.566 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.006 min
 Lab File: VN084135.D
 Acq: 24 Sep 2024 15:31



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

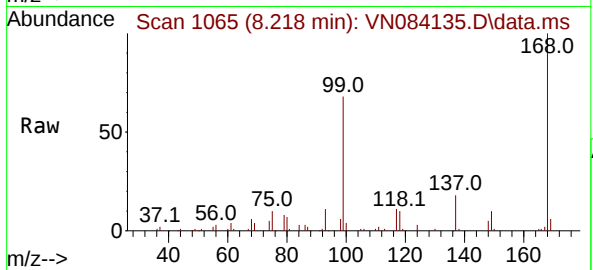
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Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :



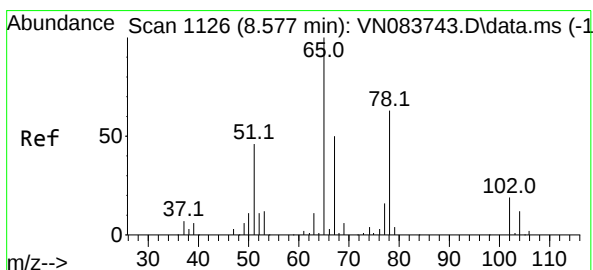
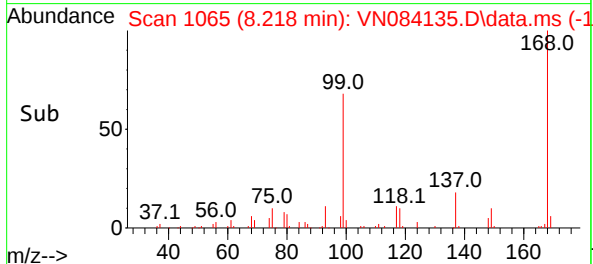
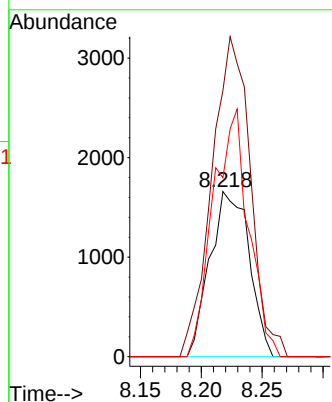
Tgt Ion: 56 Resp: 3714

Ion Ratio Lower Upper

56 100

69 161.1 26.9 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

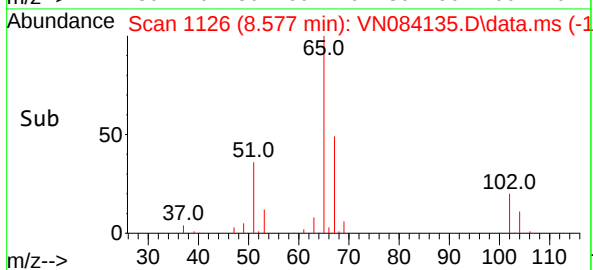
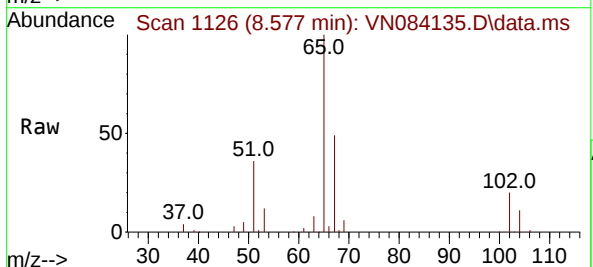
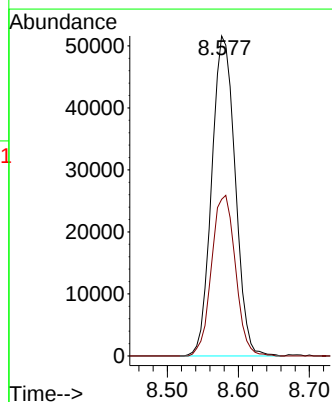
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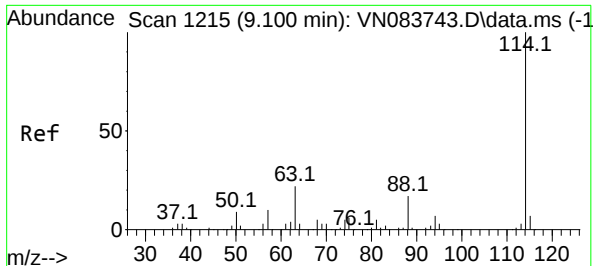
Tgt Ion: 65 Resp: 118323

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8

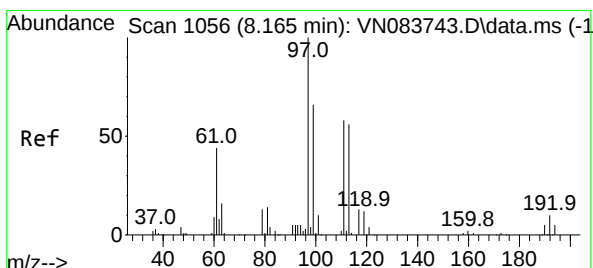
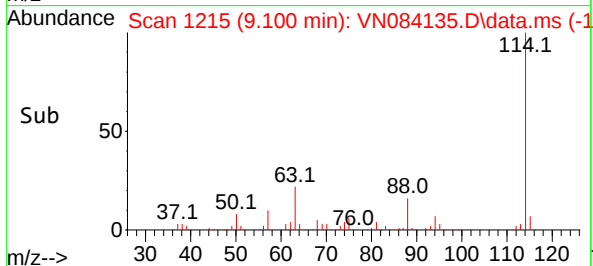
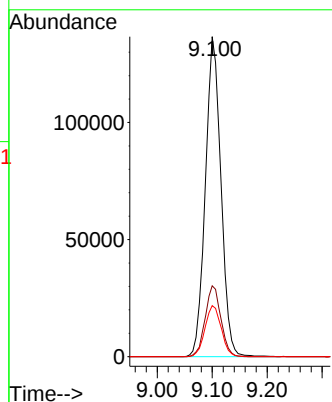
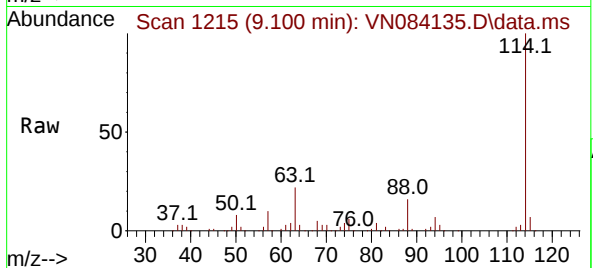




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

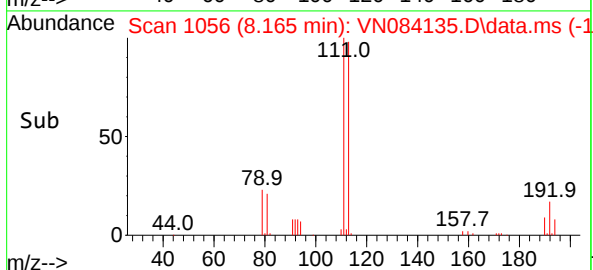
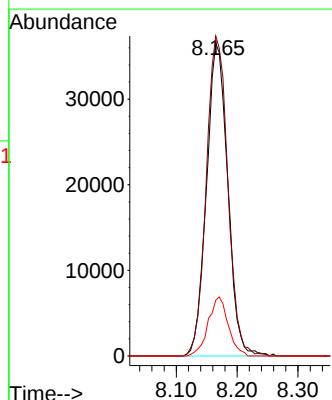
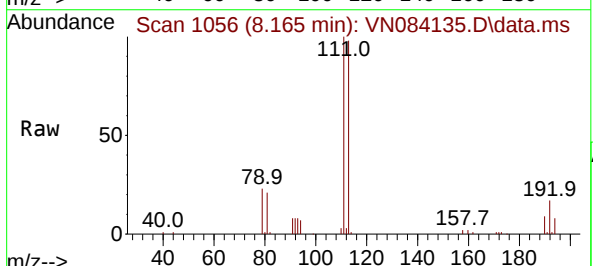
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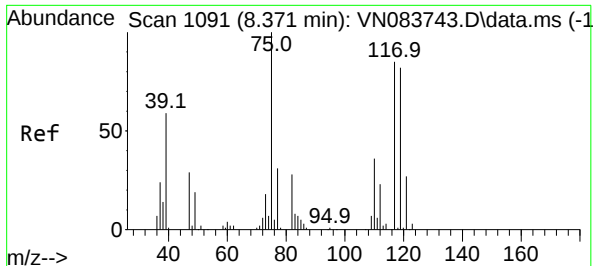
Tgt Ion:114 Resp: 268941
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 16.0 0.0 32.6



#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

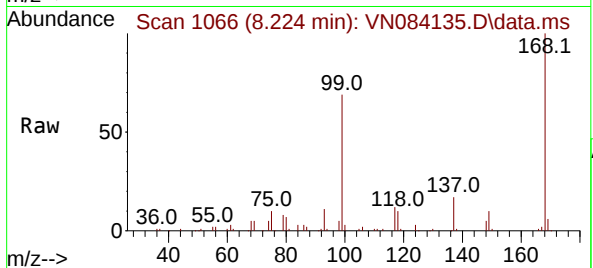
Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

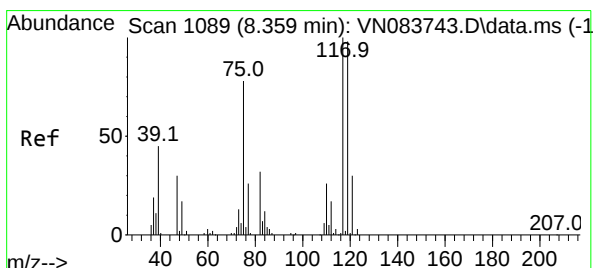
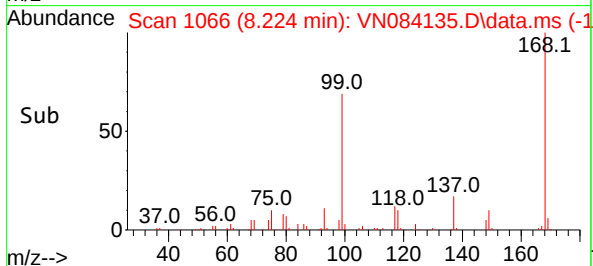
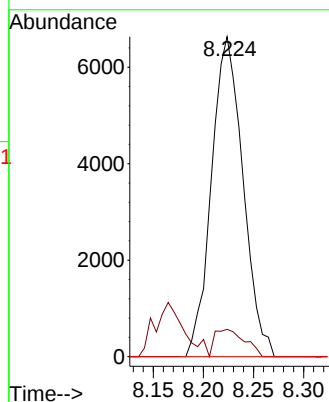
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14500
Ion Ratio	100	Lower	Upper
110	8.1	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 0.398 ug/l

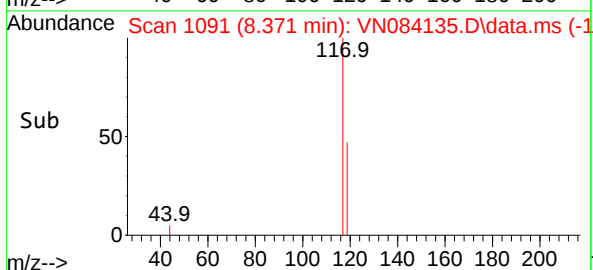
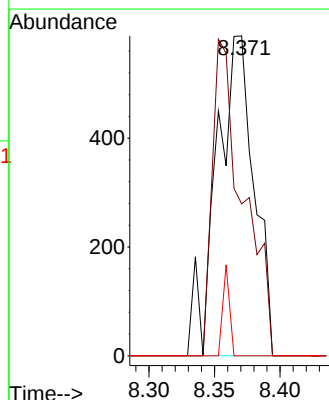
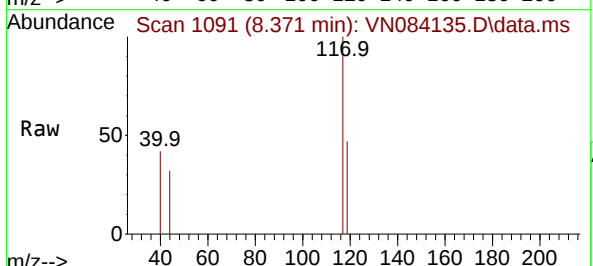
RT: 8.371 min Scan# 1091

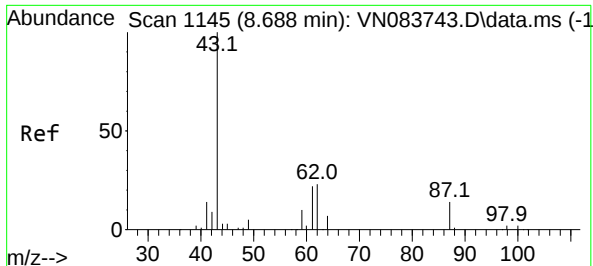
Delta R.T. 0.012 min

Lab File: VN084135.D

Acq: 24 Sep 2024 15:31

Tgt Ion:	117	Resp:	1169
Ion Ratio	100	Lower	Upper
119	47.4	76.1	114.1#
121	0.0	24.1	36.1#

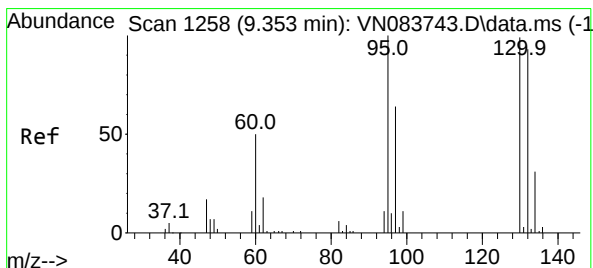
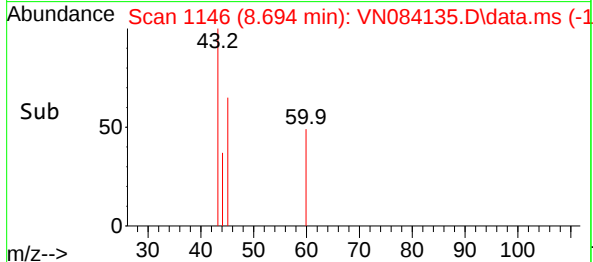
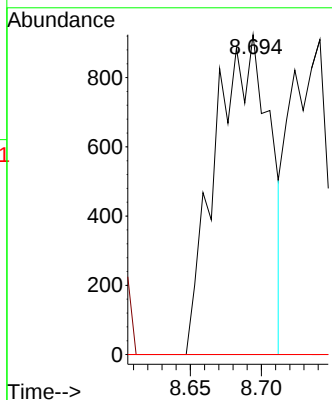
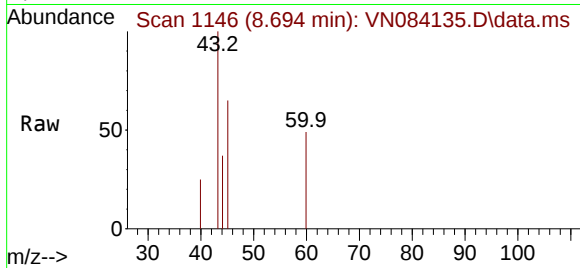




#43
Isopropyl Acetate
Concen: 0.579 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

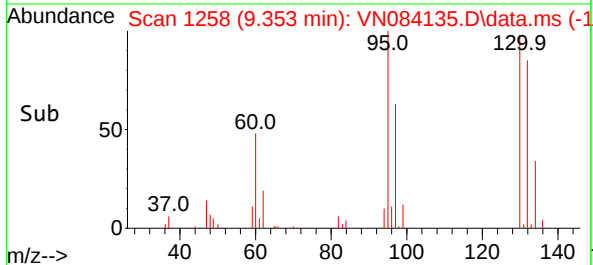
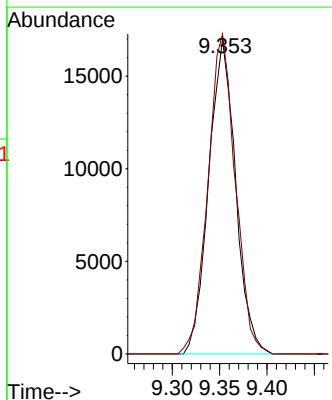
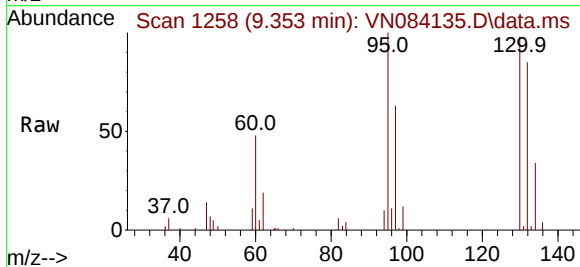
Instrument :
MSVOA_N
ClientSampleId :

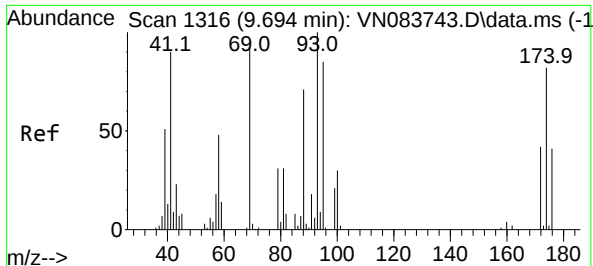
Tgt Ion: 43 Resp: 2467
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#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 :

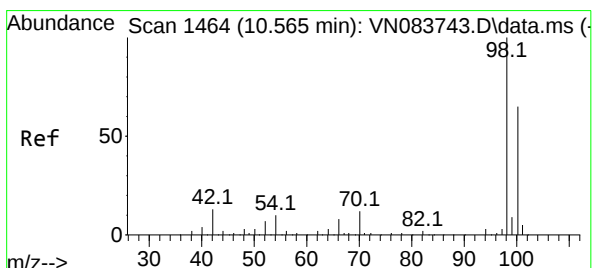
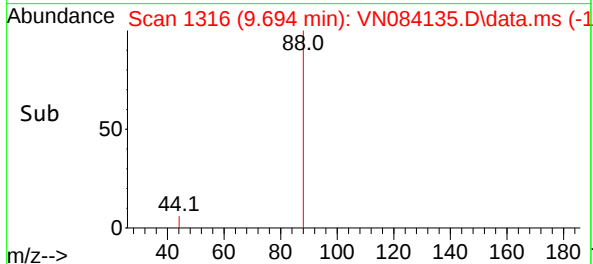
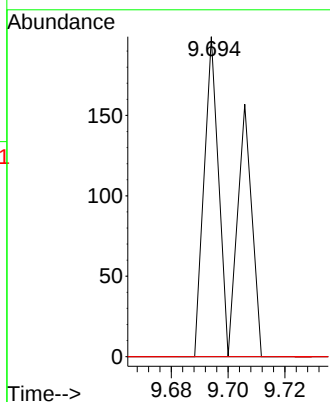
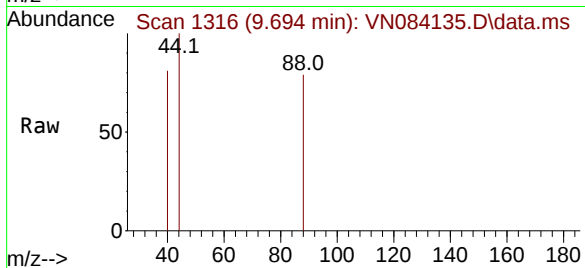
Tgt Ion: 88 Resp: 126

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

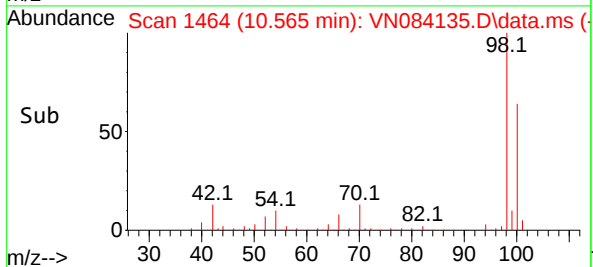
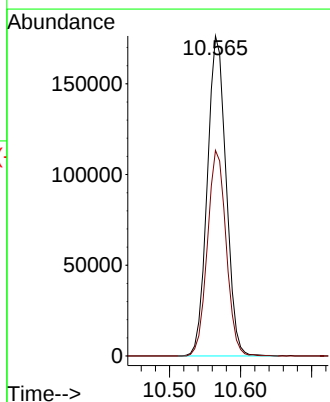
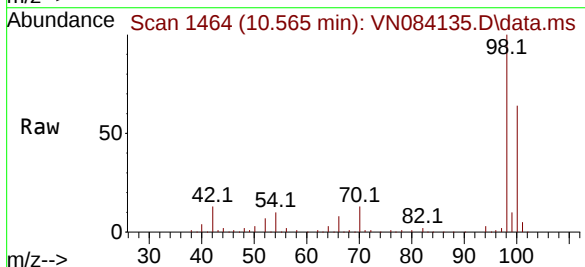
Acq: 24 Sep 2024 15:31

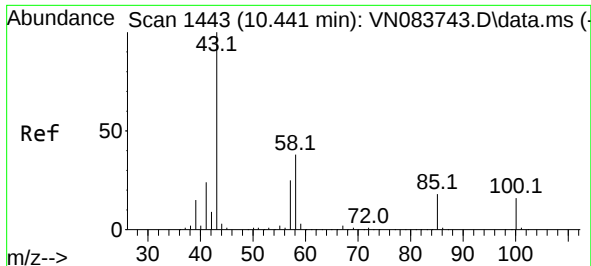
Tgt Ion: 98 Resp: 323802

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

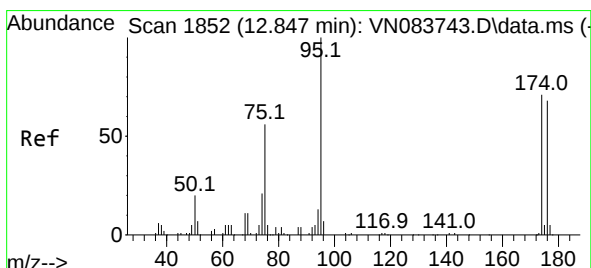
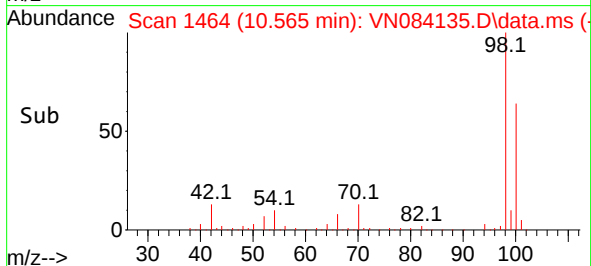
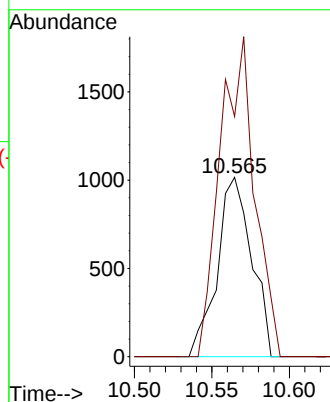
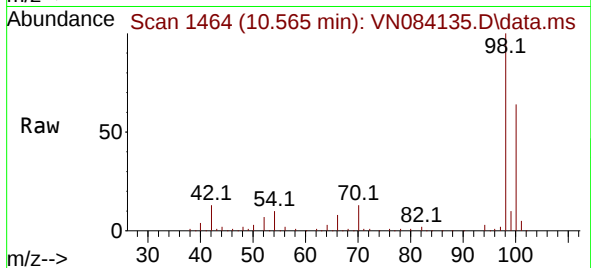




#51
4-Methyl-2-Pentanone
Concen: 0.678 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

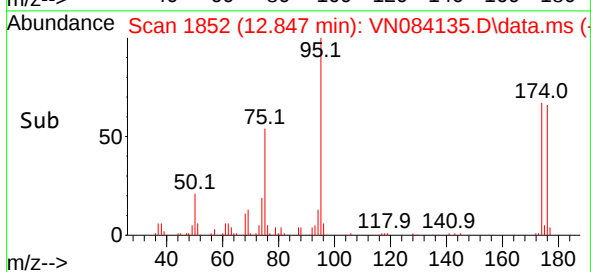
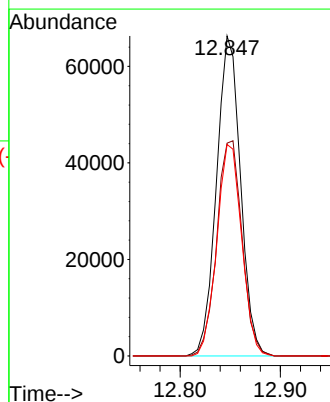
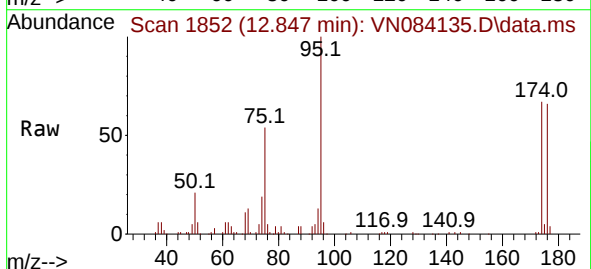
Instrument :
MSVOA_N
ClientSampleId :

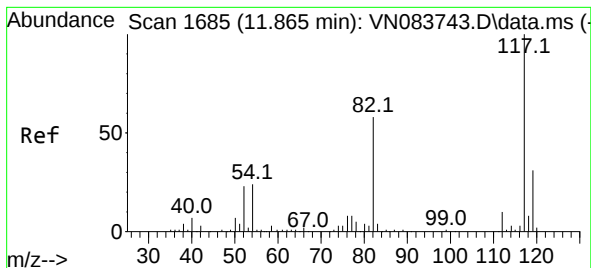
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
58 179.1 31.6 47.4#



#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 :

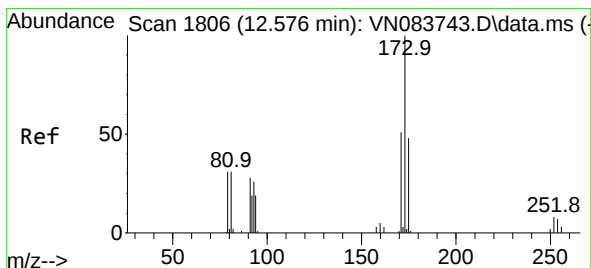
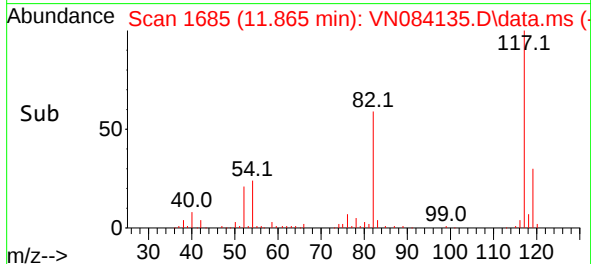
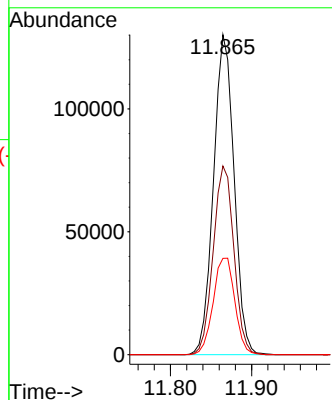
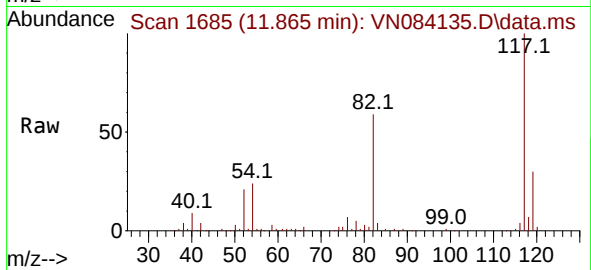
Tgt Ion:117 Resp: 229346

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

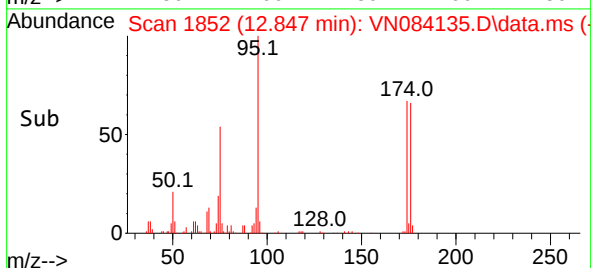
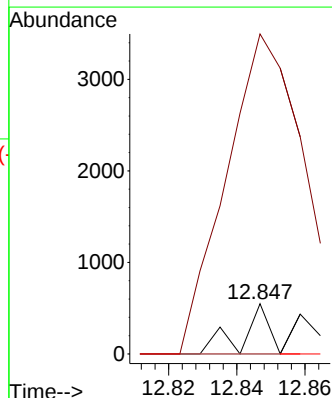
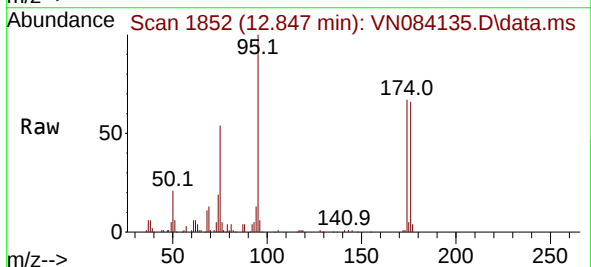
Tgt Ion:173 Resp: 297

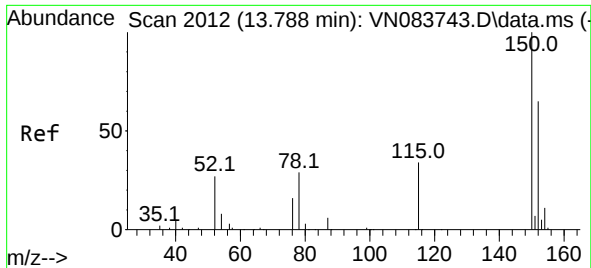
Ion Ratio Lower Upper

173 100

175 1399.0 24.1 72.2#

254 0.0 0.0 0.0

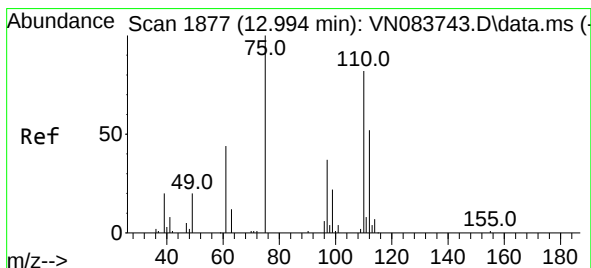
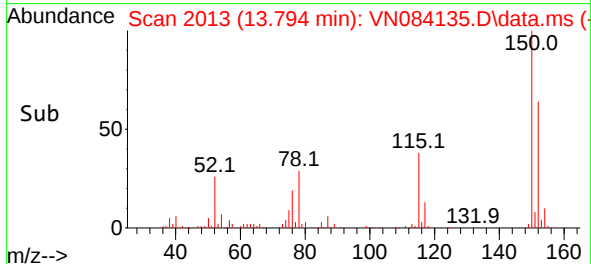
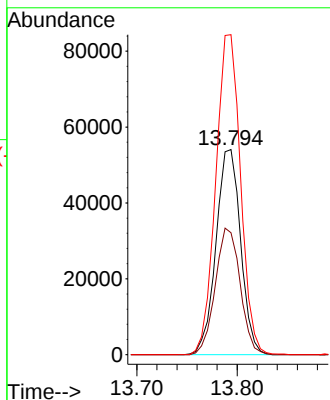
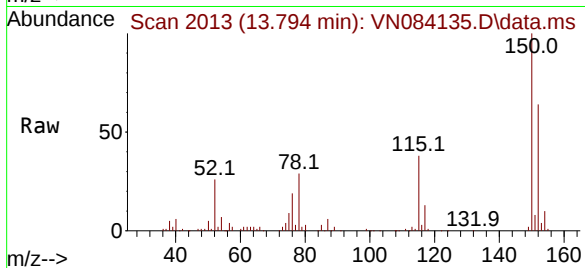




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084135.D
Acq: 24 Sep 2024 15:31

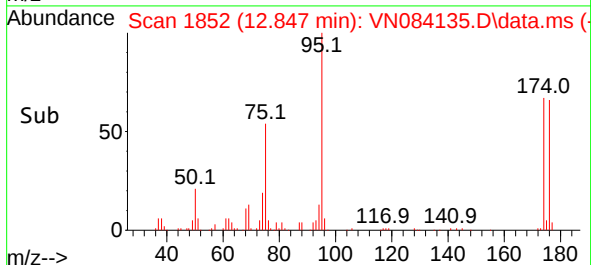
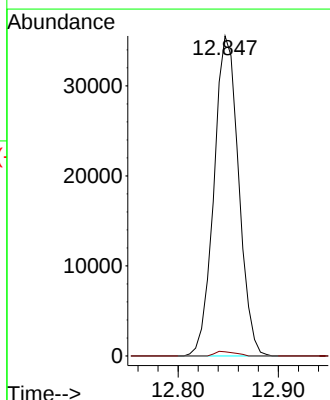
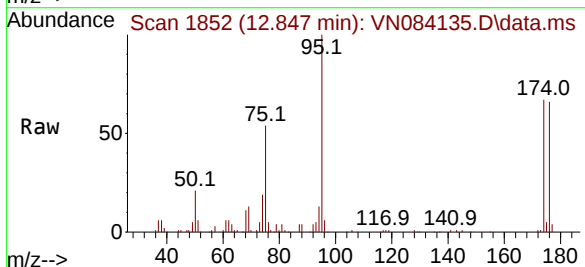
Instrument :
MSVOA_N
ClientSampleId :

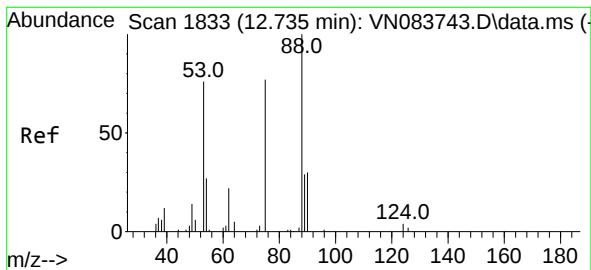
Tgt Ion:	152	Resp:	92332
Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.2	96.6
150	156.8	0.0	348.6



#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

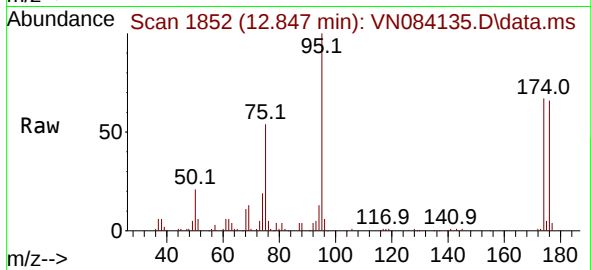
Tgt Ion:	75	Resp:	60769
Ion	Ratio	Lower	Upper
75	100		
77	1.2	95.2	285.6#





#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 :



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#

