

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083594.D
 Acq On : 31 Aug 2024 04:58
 Operator : JC\MD
 Sample : P3769-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 06:25:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	149085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116197	55.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.540%	
35) Dibromofluoromethane	8.165	113	92669	50.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	10.565	98	333598	46.688	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.380%	
62) 4-Bromofluorobenzene	12.847	95	154175	58.217	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.440%	

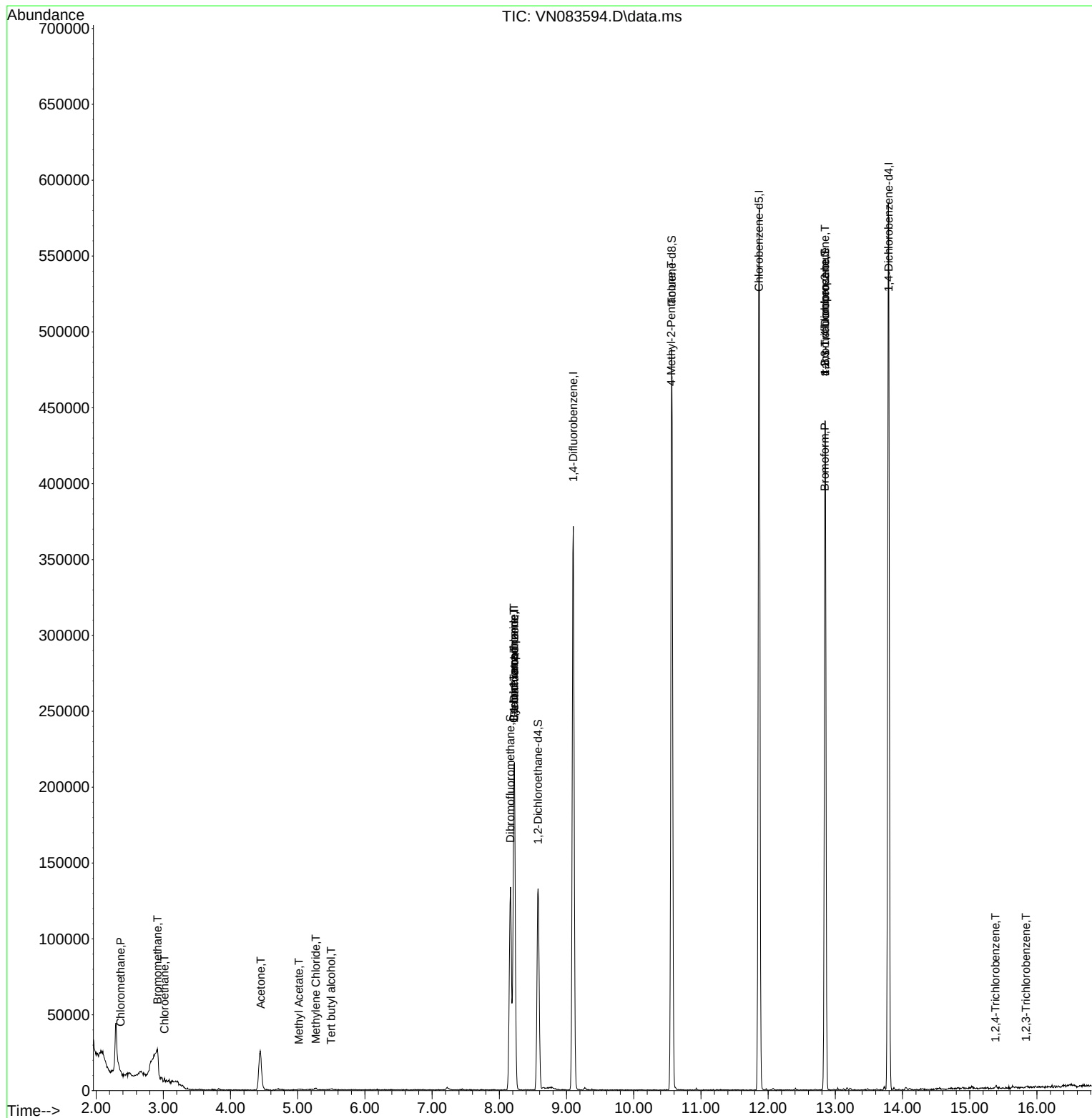
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	1002	0.545	ug/l	97
5) Bromomethane	2.912	94	337	0.348	ug/l #	74
6) Chloroethane	3.018	64	929	0.773	ug/l #	87
11) Tert butyl alcohol	5.495	59	361	1.111	ug/l #	71
16) Acetone	4.448	43	1176	1.415	ug/l #	45
18) Methyl Acetate	5.018	43	1269	0.574	ug/l #	61
20) Methylene Chloride	5.271	84	551	0.300	ug/l #	79
31) Cyclohexane	8.218	56	3913	1.214	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	13216	4.720	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17203	5.385	ug/l #	17
43) Isopropyl Acetate	8.665	43	297	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.559	43	1739	0.671	ug/l #	1
71) Bromoform	12.841	173	517	0.300	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	87464	28.738	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87464	67.782	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.382	180	726	0.239	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	654	0.216	ug/l #	53

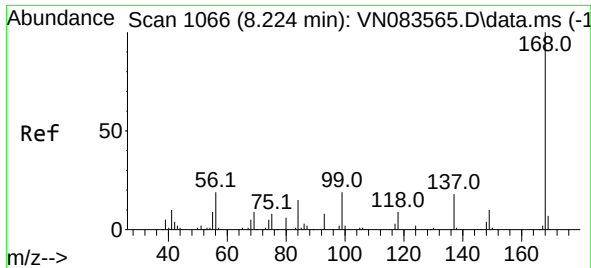
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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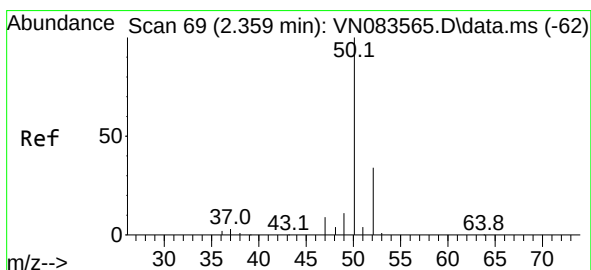
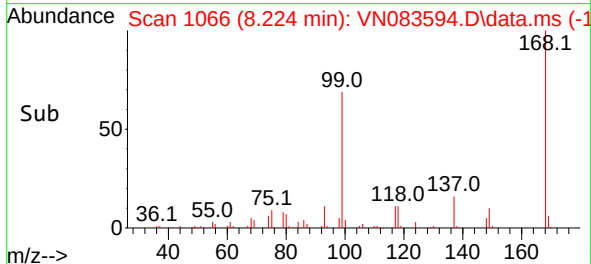
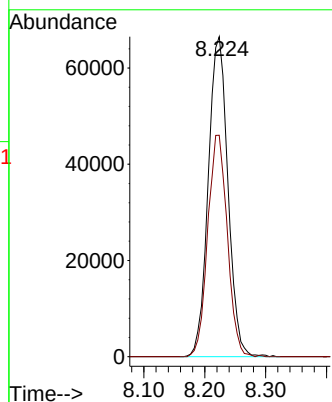
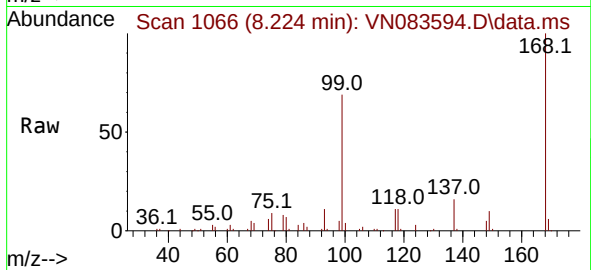




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

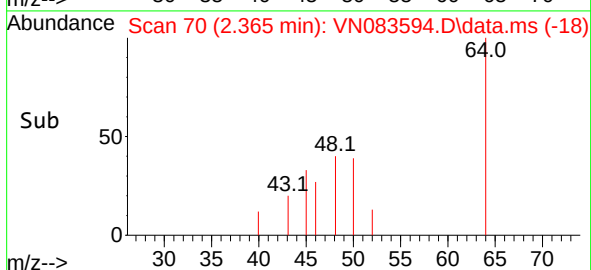
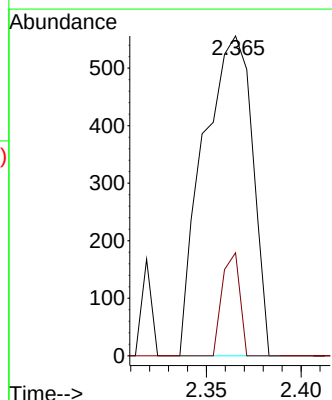
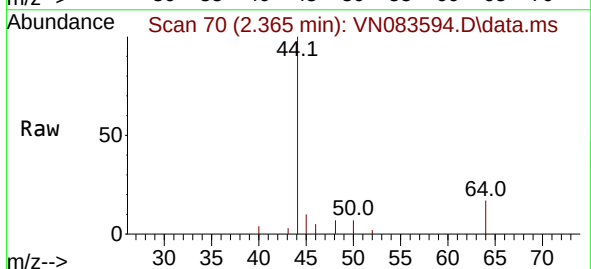
Instrument :
MSVOA_N
ClientSampleId :

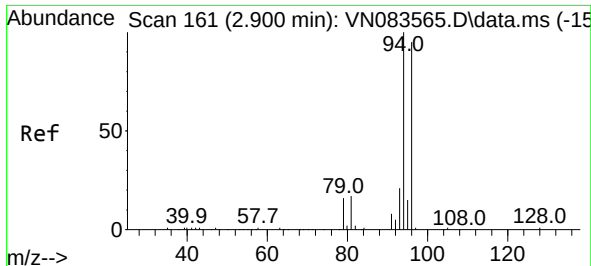
Tgt Ion:168 Resp: 149085
Ion Ratio Lower Upper
168 100
99 69.2 54.2 81.2



#3
Chloromethane
Concen: 0.545 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 32.2 27.2 40.8

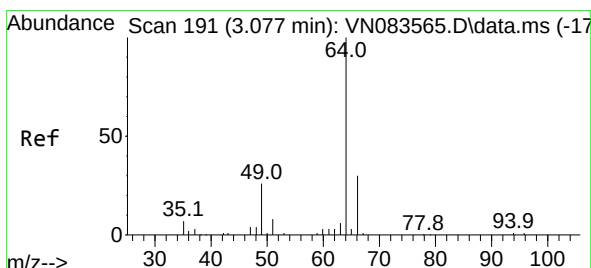
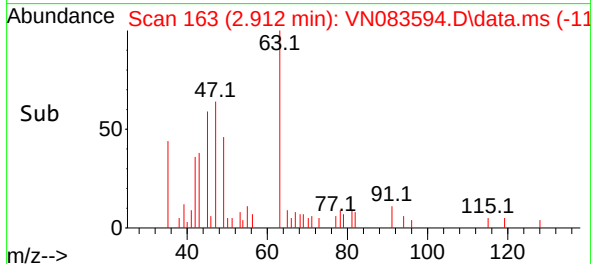
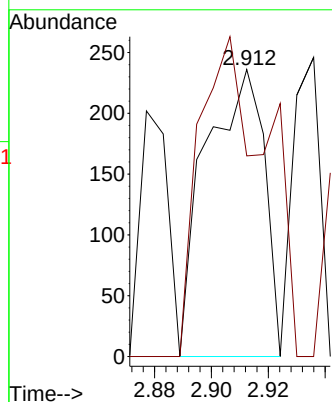
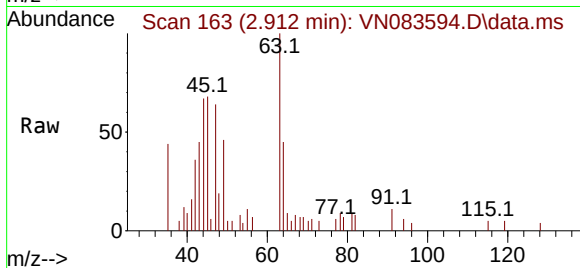




#5
Bromomethane
Concen: 0.348 ug/l
RT: 2.912 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

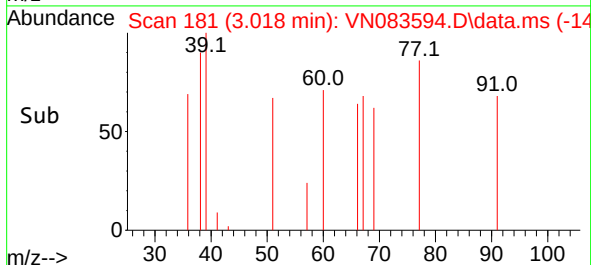
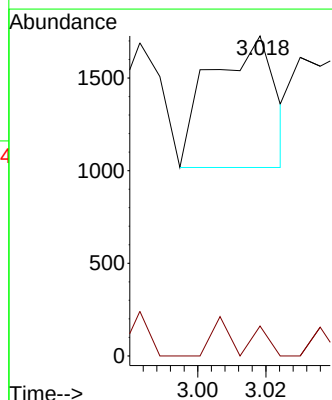
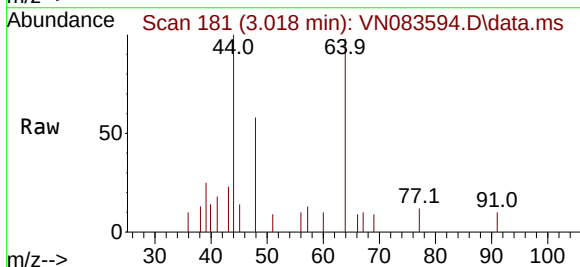
Instrument :
MSVOA_N
ClientSampleId :

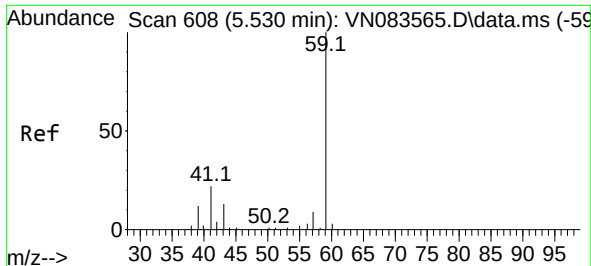
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 69.9 76.0 114.0#



#6
Chloroethane
Concen: 0.773 ug/l
RT: 3.018 min Scan# 181
Delta R.T. -0.059 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Tgt Ion: 64 Resp: 929
Ion Ratio Lower Upper
64 100
66 22.7 23.9 35.9#





#11

Tert butyl alcohol

Concen: 1.111 ug/l

RT: 5.495 min Scan# 608

Delta R.T. -0.035 min

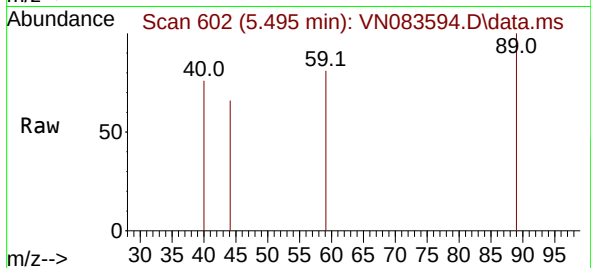
Lab File: VN083594.D

Acq: 31 Aug 2024 04:58

Instrument :

MSVOA_N

ClientSampleId :

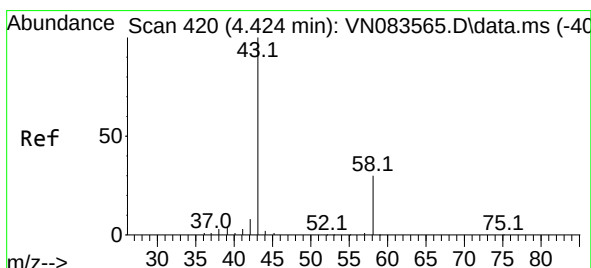
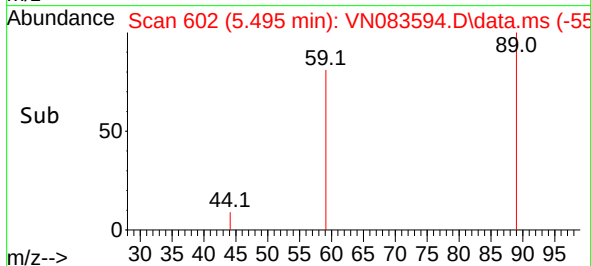
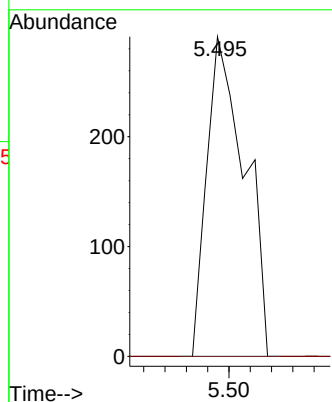


Tgt Ion: 59 Resp: 361

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 1.415 ug/l

RT: 4.448 min Scan# 424

Delta R.T. 0.024 min

Lab File: VN083594.D

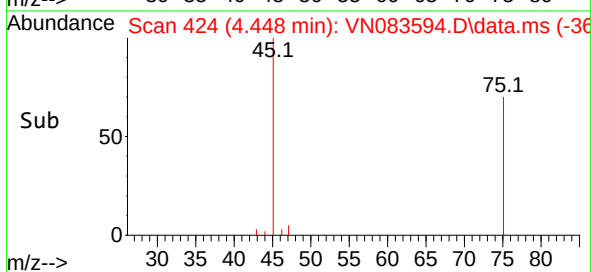
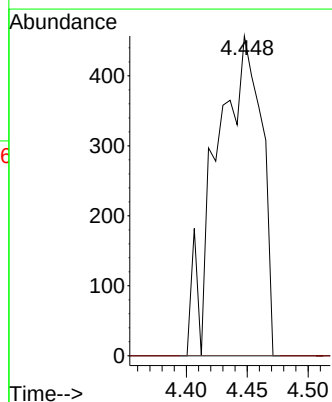
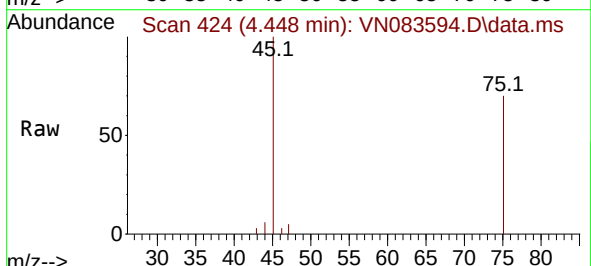
Acq: 31 Aug 2024 04:58

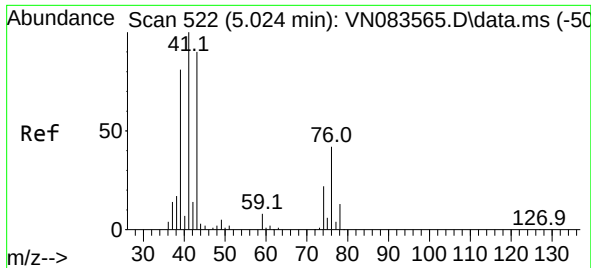
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

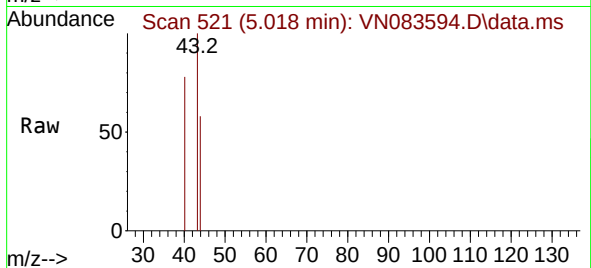
58 0.0 23.7 35.5#



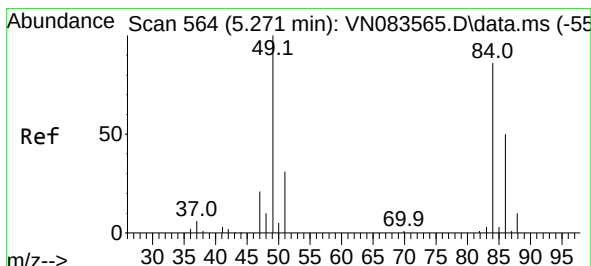
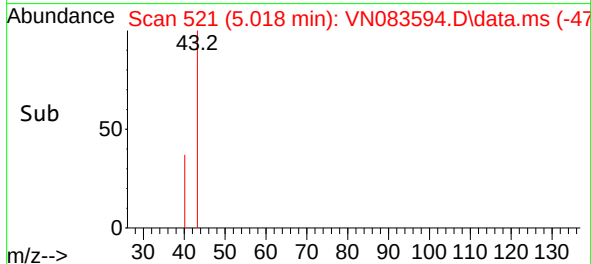
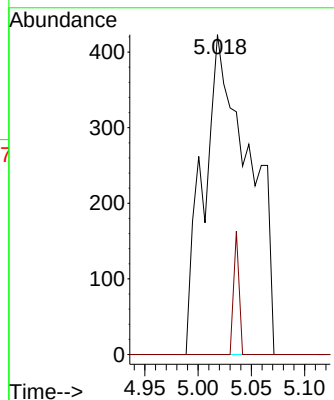


#18
Methyl Acetate
Concen: 0.574 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Instrument :
MSVOA_N
ClientSampleId :

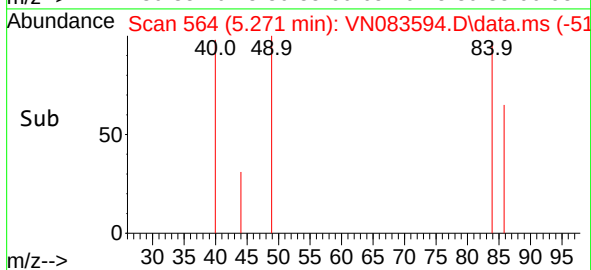
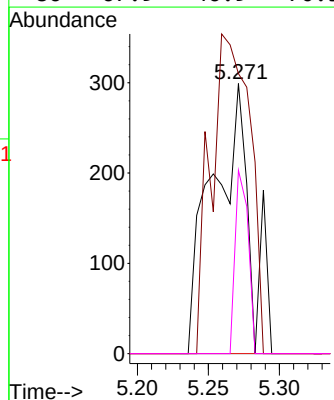
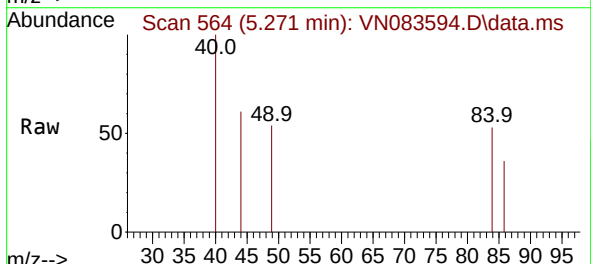


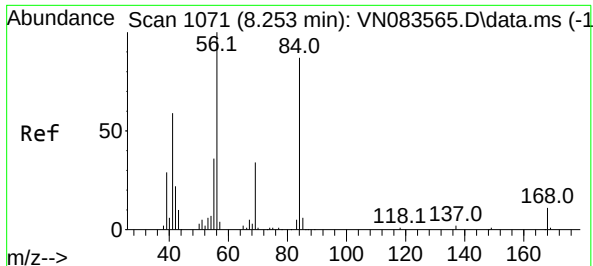
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
74 4.6 19.0 28.4#



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

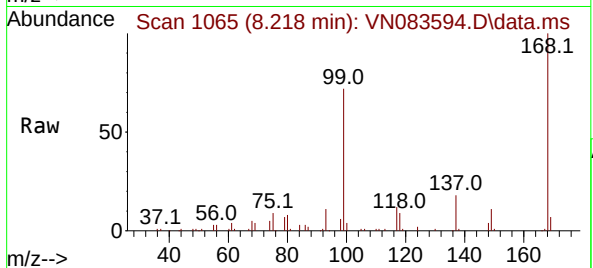
Tgt Ion: 84 Resp: 551
Ion Ratio Lower Upper
84 100
49 103.7 93.4 140.0
51 0.0 29.2 43.8#
86 67.9 46.9 70.3



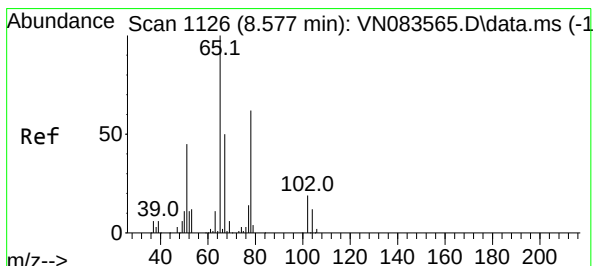
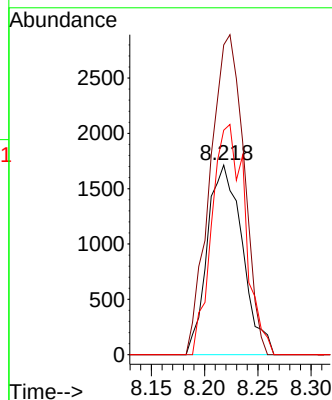
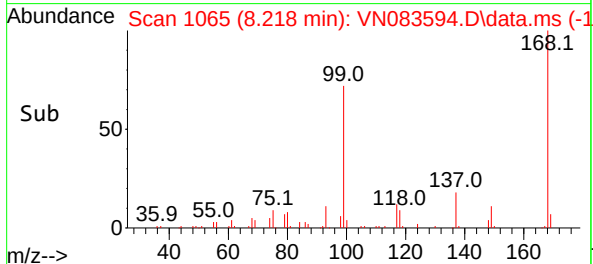


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Instrument :
MSVOA_N
ClientSampleId :

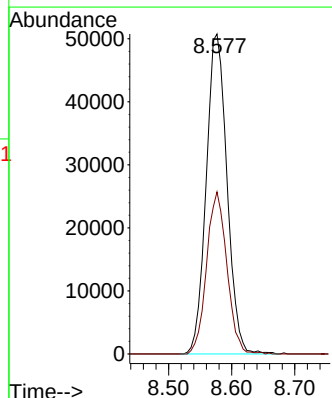
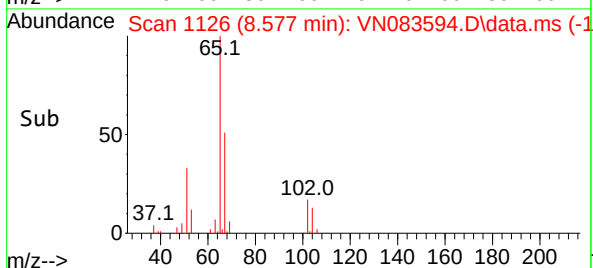
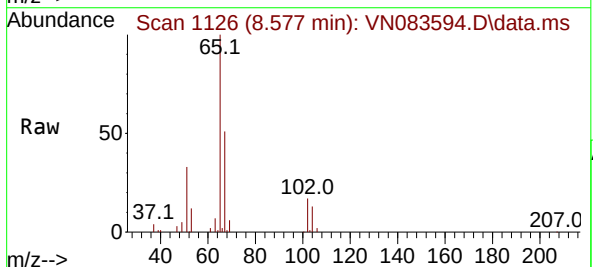


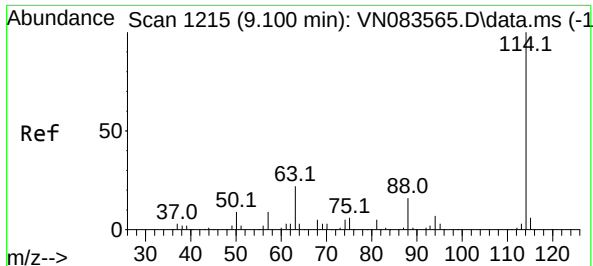
Tgt Ion: 56 Resp: 3913
Ion Ratio Lower Upper
56 100
69 163.4 26.9 40.3#
84 118.3 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 55.767 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Tgt Ion: 65 Resp: 116197
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083594.D

Acq: 31 Aug 2024 04:58

Instrument :

MSVOA_N

ClientSampleId :

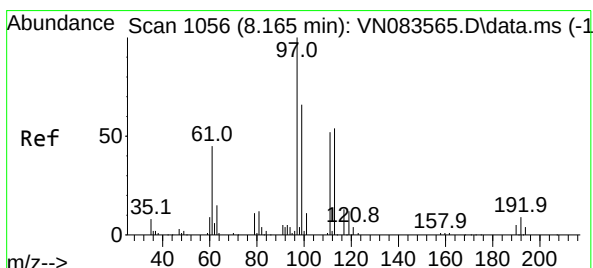
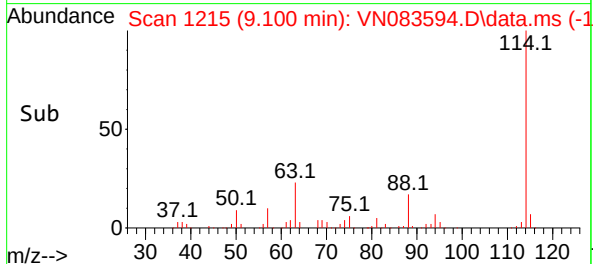
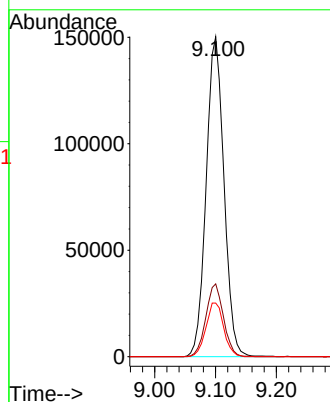
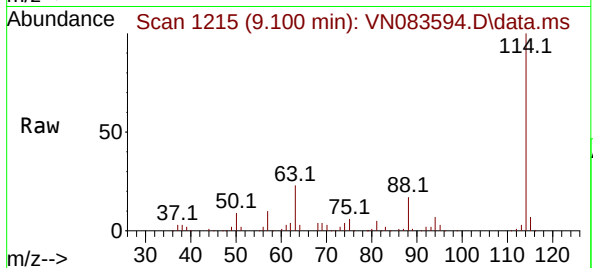
Tgt Ion:114 Resp: 305013

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.479 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083594.D

Acq: 31 Aug 2024 04:58

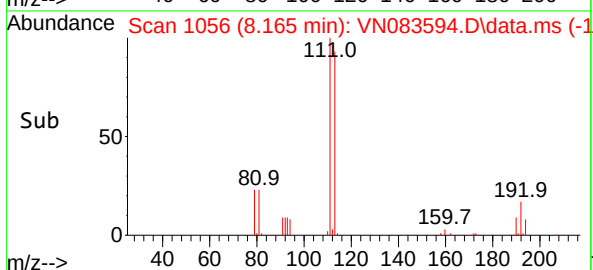
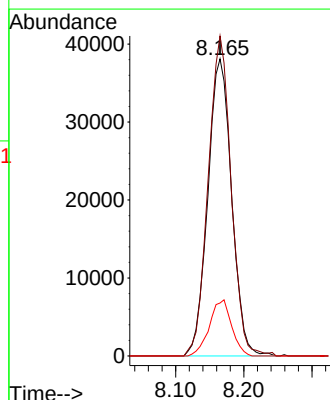
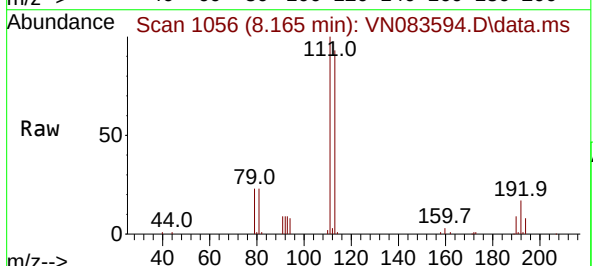
Tgt Ion:113 Resp: 92669

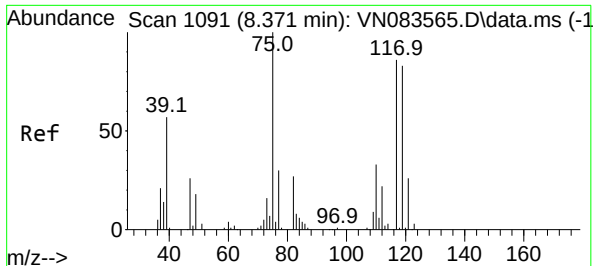
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083594.D

Acq: 31 Aug 2024 04:58

Instrument :

MSVOA_N

ClientSampleId :

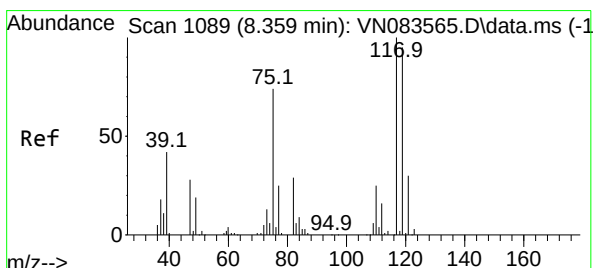
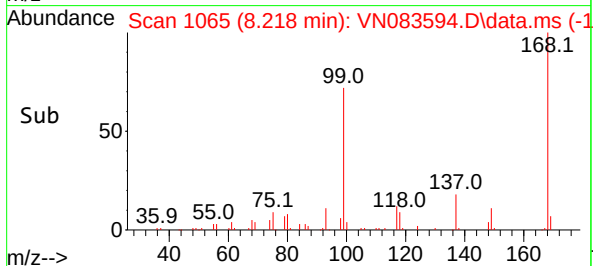
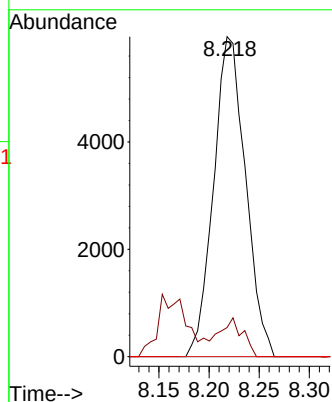
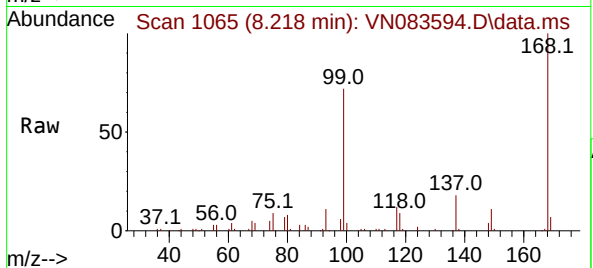
Tgt Ion: 75 Resp: 13216

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.385 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083594.D

Acq: 31 Aug 2024 04:58

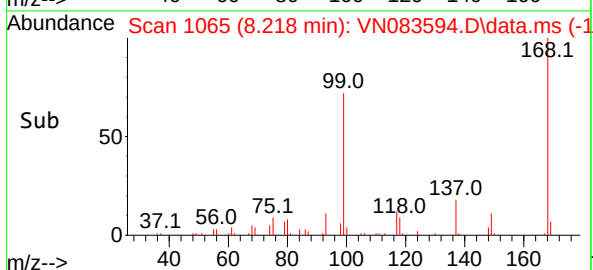
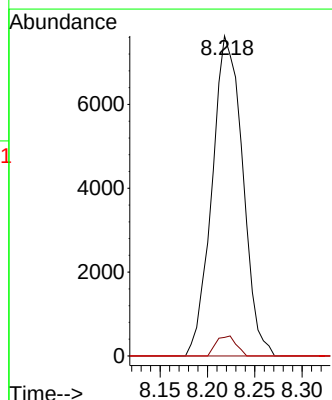
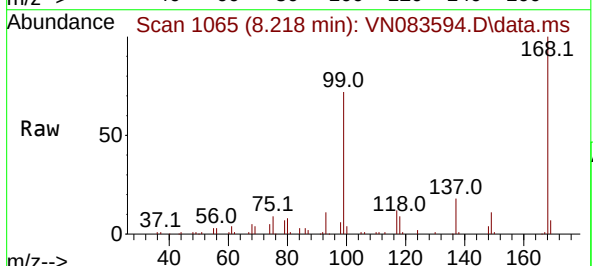
Tgt Ion: 117 Resp: 17203

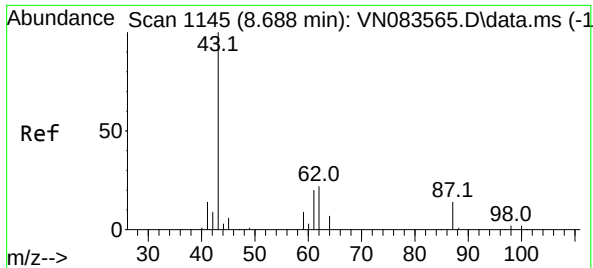
Ion Ratio Lower Upper

117 100

119 5.8 76.1 114.1#

121 0.0 24.1 36.1#

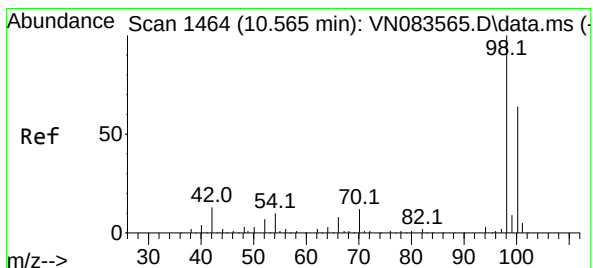
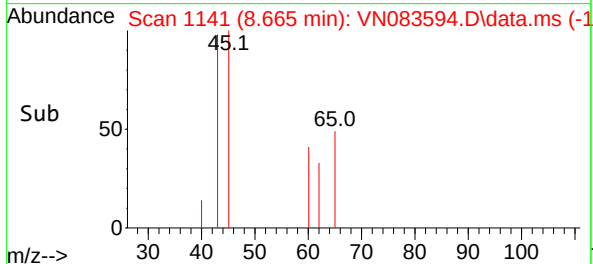
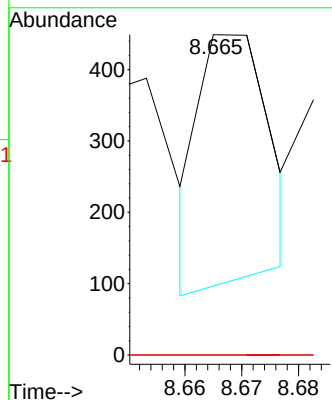
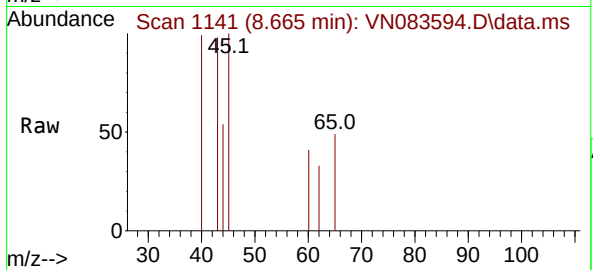




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1145
Delta R.T. -0.023 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

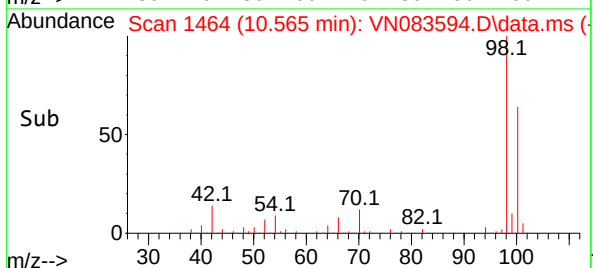
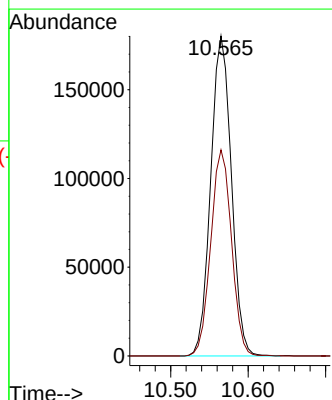
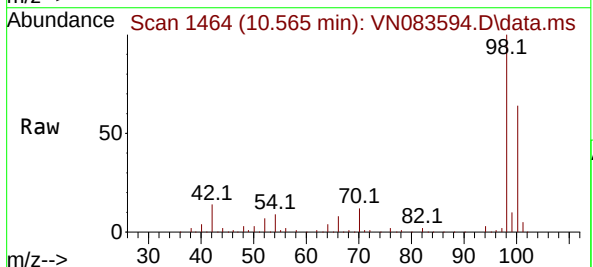
Instrument :
MSVOA_N
ClientSampleId :

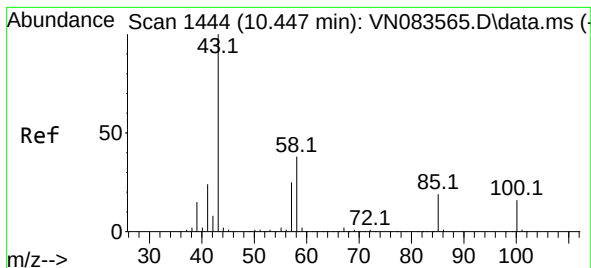
Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 46.688 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Tgt Ion: 98 Resp: 333598
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

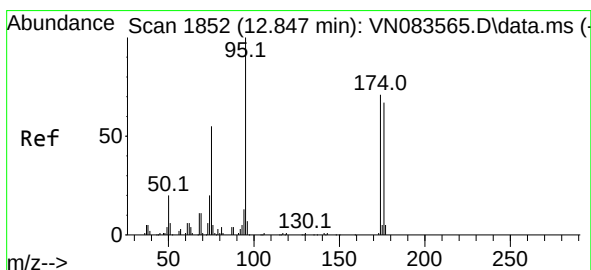
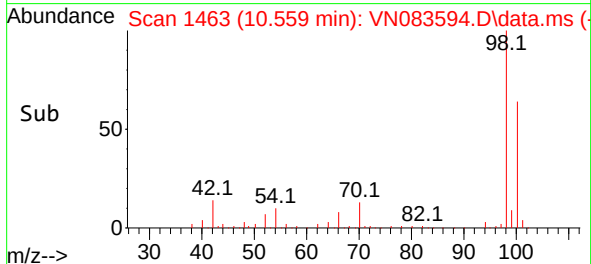
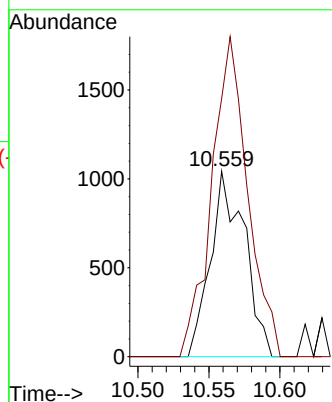
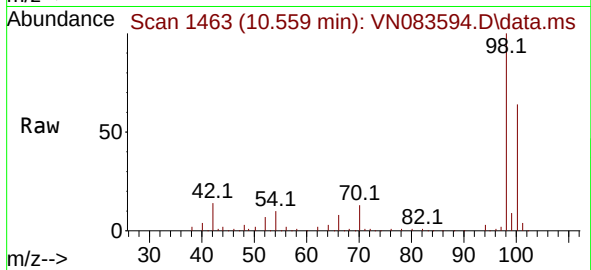




#51
 4-Methyl-2-Pentanone
 Concen: 0.671 ug/l
 RT: 10.559 min Scan# 1444
 Delta R.T. 0.112 min
 Lab File: VN083594.D
 Acq: 31 Aug 2024 04:58

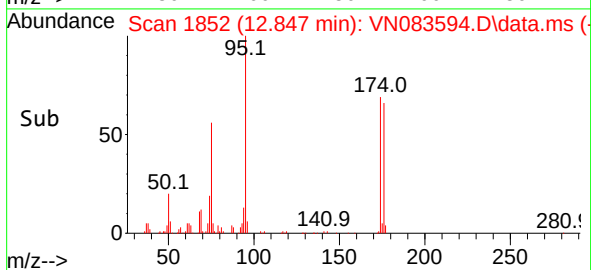
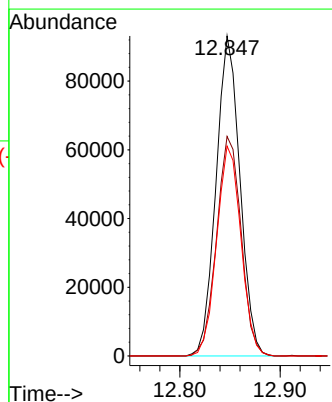
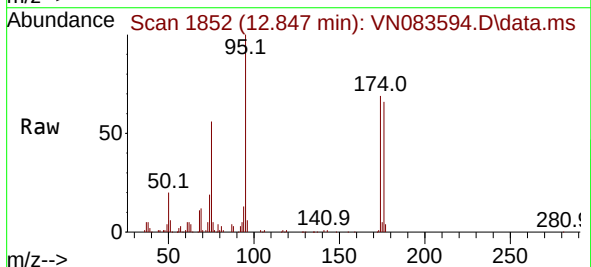
Instrument :
 MSVOA_N
 ClientSampleId :

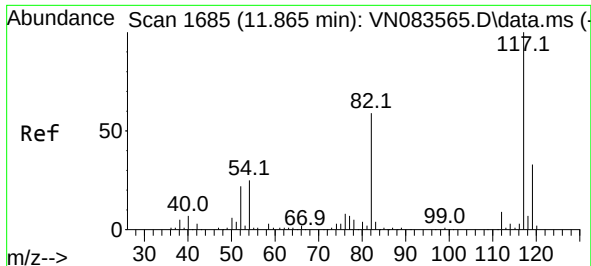
Tgt Ion: 43 Resp: 1739
 Ion Ratio Lower Upper
 43 100
 58 182.4 31.6 47.4#



#62
 4-Bromofluorobenzene
 Concen: 58.217 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN083594.D
 Acq: 31 Aug 2024 04:58

Tgt Ion: 95 Resp: 154175
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 139.8
 176 66.6 0.0 131.4

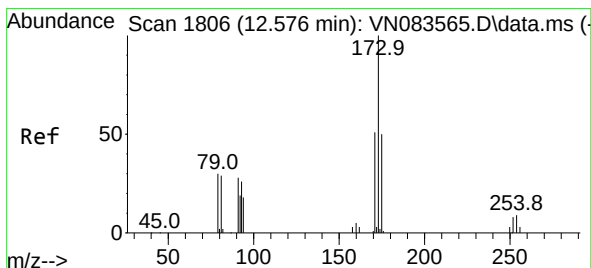
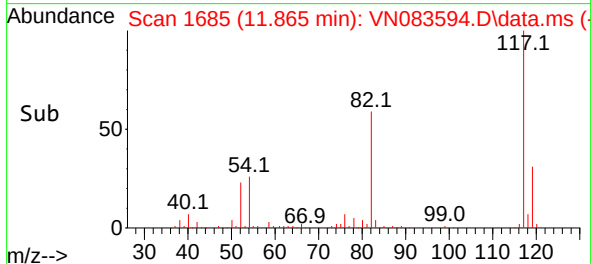
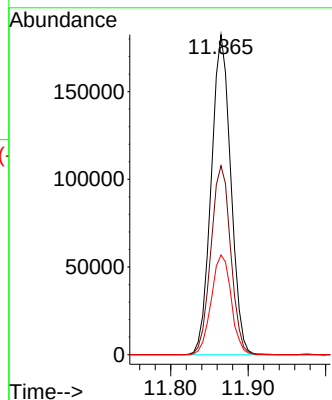
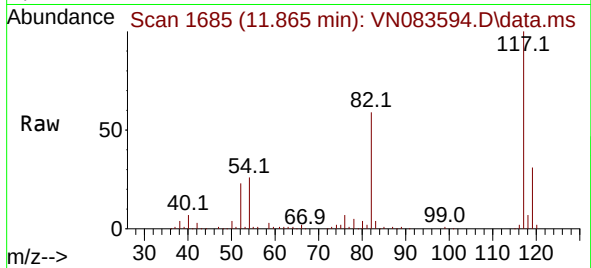




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

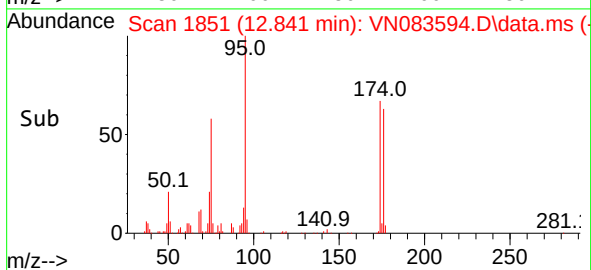
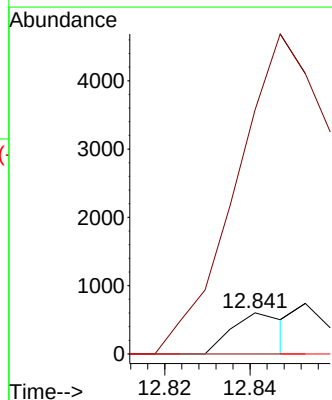
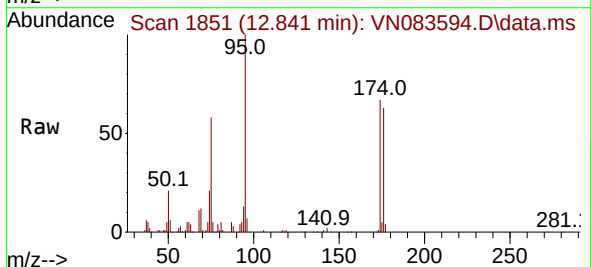
Instrument :
MSVOA_N
ClientSampleId :

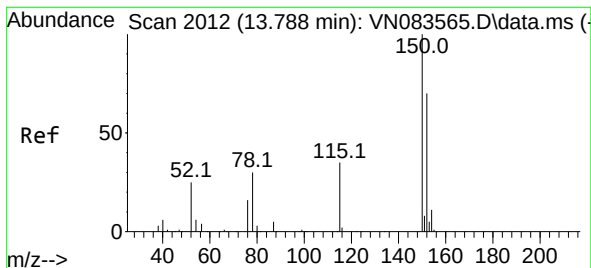
Tgt Ion:117 Resp: 319545
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 31.2 26.3 39.5



#71
Bromoform
Concen: 0.300 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Tgt Ion:173 Resp: 517
Ion Ratio Lower Upper
173 100
175 1088.8 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: VN083594.D

Acq: 31 Aug 2024 04:58

Instrument :

MSVOA_N

ClientSampleId :

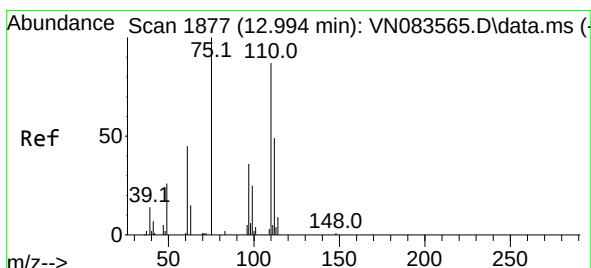
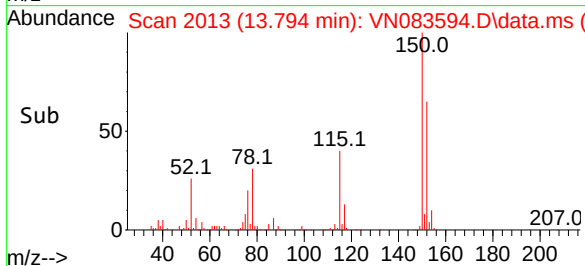
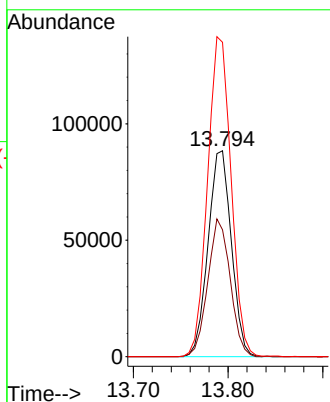
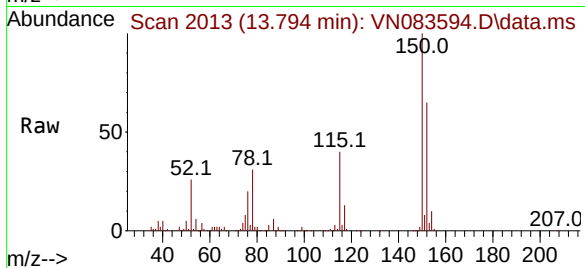
Tgt Ion:152 Resp: 150742

Ion Ratio Lower Upper

152 100

115 64.4 32.2 96.6

150 157.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.738 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083594.D

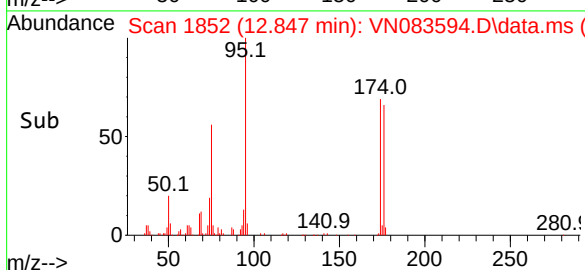
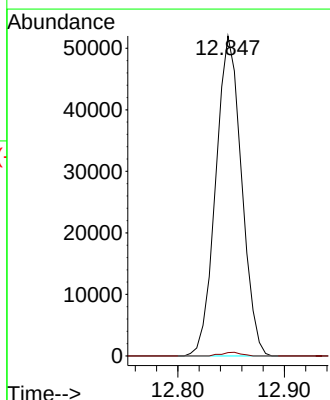
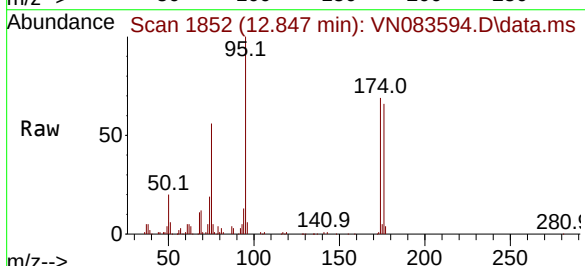
Acq: 31 Aug 2024 04:58

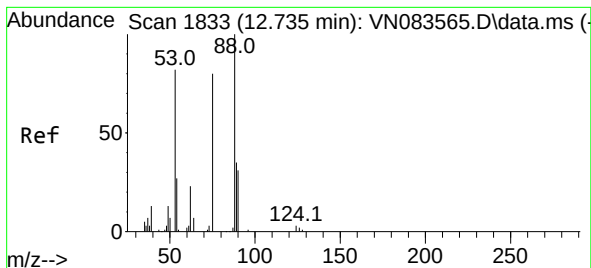
Tgt Ion: 75 Resp: 87464

Ion Ratio Lower Upper

75 100

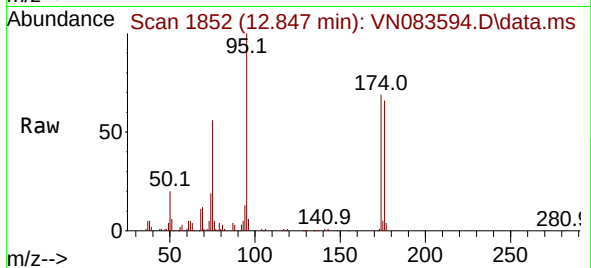
77 0.9 95.2 285.6#



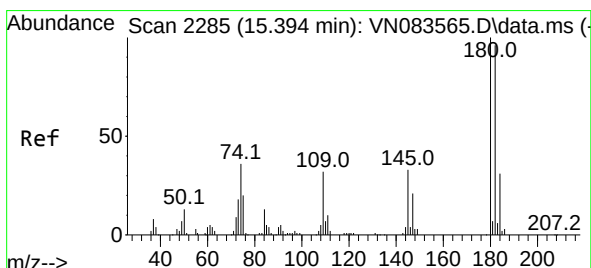
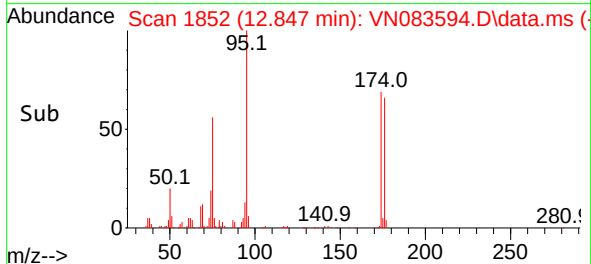
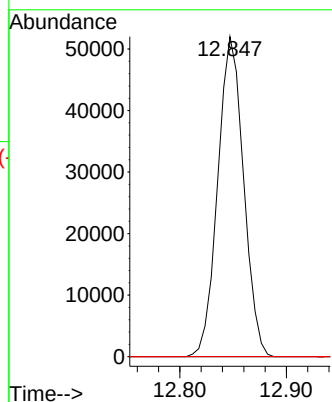


#81
trans-1,4-Dichloro-2-butene
Concen: 67.782 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

Instrument :
MSVOA_N
ClientSampleId :

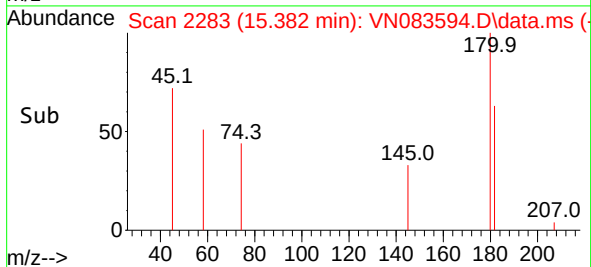
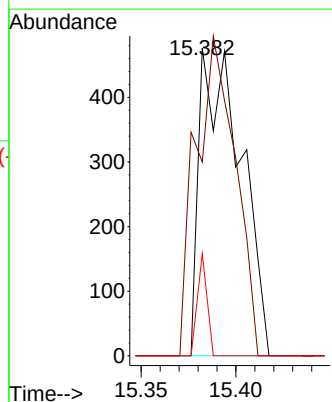
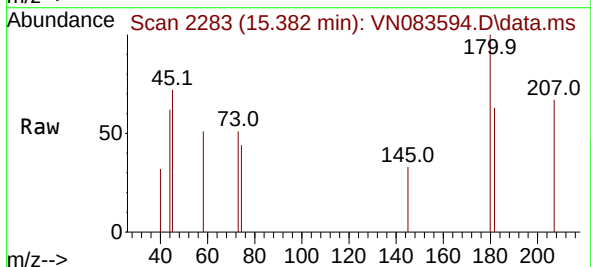


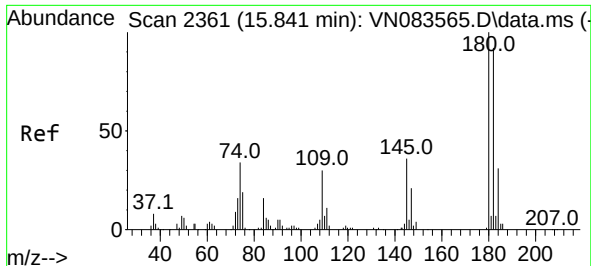
Tgt Ion: 75 Resp: 87464
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.239 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.012 min
Lab File: VN083594.D
Acq: 31 Aug 2024 04:58

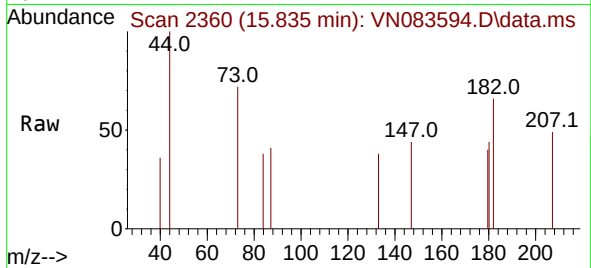
Tgt Ion:180 Resp: 726
Ion Ratio Lower Upper
180 100
182 98.5 48.1 144.3
145 7.7 16.9 50.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.216 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN083594.D
 Acq: 31 Aug 2024 04:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	54.6	47.1	141.4
145	0.0	17.8	53.5#

