

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083807.D
 Acq On : 11 Sep 2024 19:57
 Operator : JC\MD
 Sample : PB163246TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 02:13:46 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)

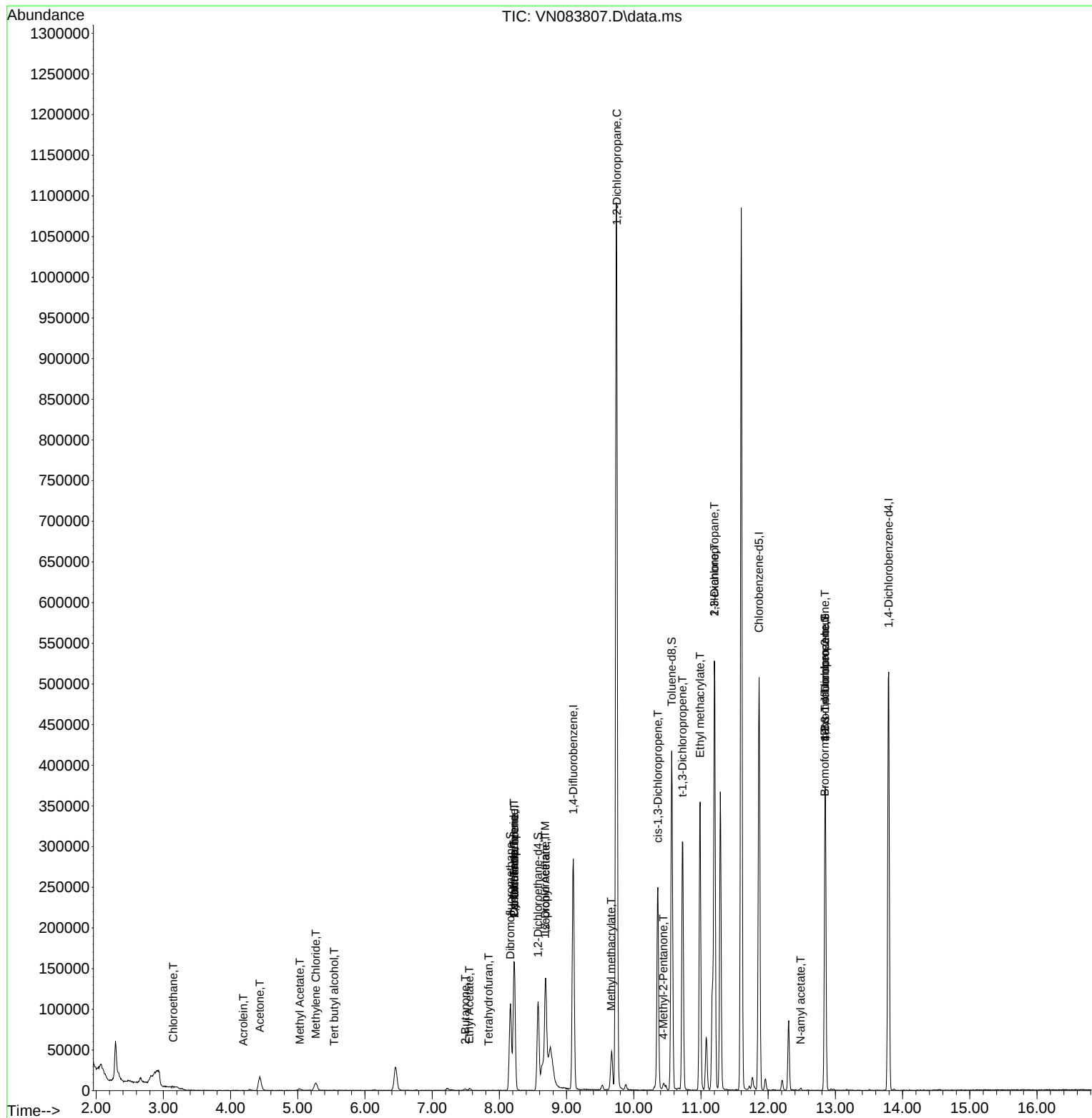
Internal Standards						
1) Pentafluorobenzene	8.224	168	106842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	233400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	92706	57.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.080%			
35) Dibromofluoromethane	8.165	113	74013	49.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	268840	52.045	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.847	95	130450	61.211	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 122.420%#			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	884	Below Cal	#	41
6) Chloroethane	3.147	64	925	0.970	ug/l #	45
11) Tert butyl alcohol	5.541	59	194	0.899	ug/l #	71
13) Acrolein	4.189	56	59	0.277	ug/l #	13
16) Acetone	4.436	43	29418	45.551	ug/l	96
18) Methyl Acetate	5.030	43	4277	1.374	ug/l #	90
20) Methylene Chloride	5.271	84	7418	5.613	ug/l	92
25) 2-Butanone	7.494	43	3365	3.964	ug/l #	70
29) Tetrahydrofuran	7.841	42	199	0.396	ug/l #	32
31) Cyclohexane	8.218	56	3119	1.340	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	10920	4.856	ug/l #	50
37) Ethyl Acetate	7.553	43	3455	1.692	ug/l #	95
38) Carbon Tetrachloride	8.218	117	12465	4.885	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	850	0.336	ug/l #	77
43) Isopropyl Acetate	8.688	43	207052	55.970	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1243	0.760	ug/l #	42
48) Methyl methacrylate	9.665	41	3249	1.851	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	5415	2.689	ug/l	92
53) t-1,3-Dichloropropene	10.723	75	836	0.333	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	42206	15.983	ug/l #	66
56) Ethyl methacrylate	10.988	69	1174	0.494	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5329	2.006	ug/l #	42
59) 2-Hexanone	11.200	43	72120	48.416	ug/l #	52
71) Bromoform	12.841	173	382	0.273	ug/l #	1
74) N-amyl acetate	12.482	43	1221	0.281	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	73968	27.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73968	73.036	ug/l #	9

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

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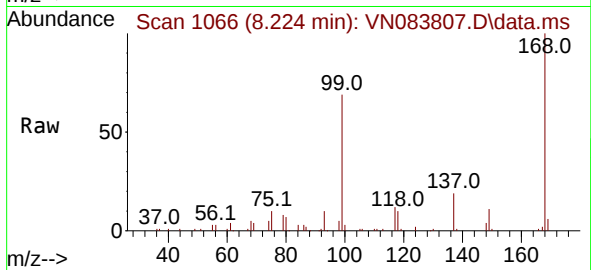
Quant Time: Sep 12 02:13:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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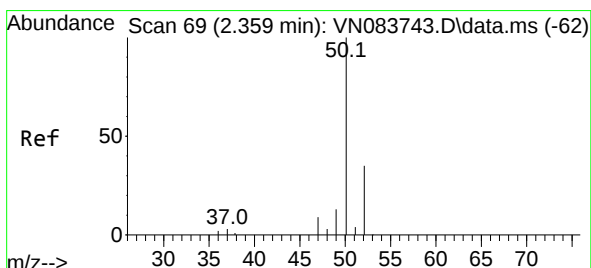
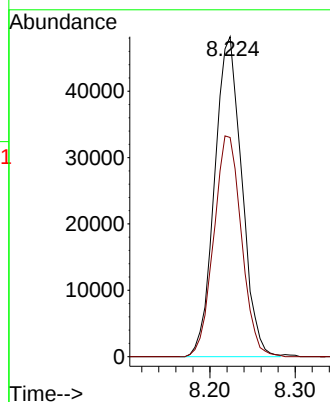
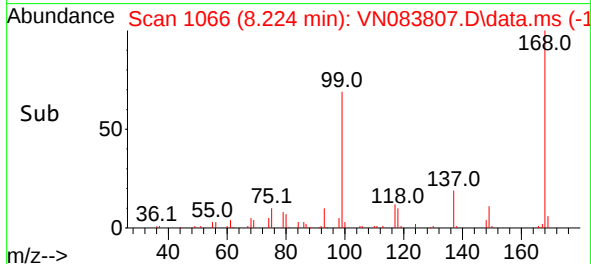


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :

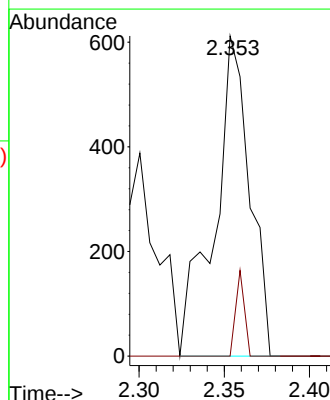
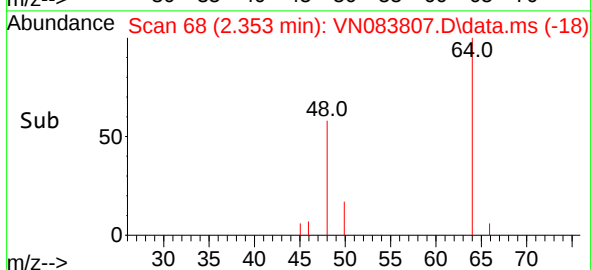
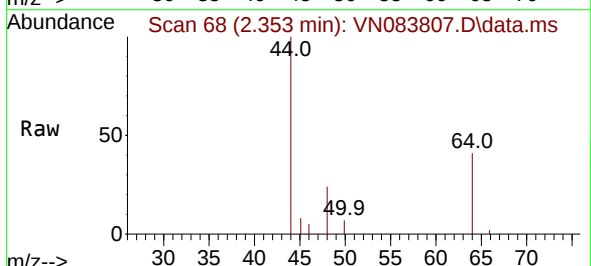


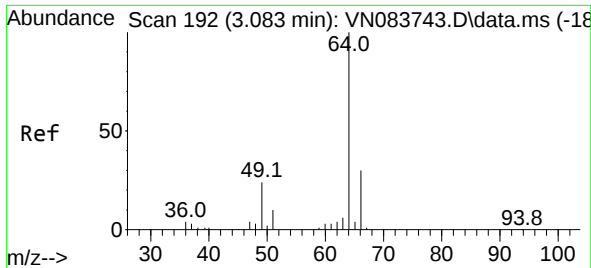
Tgt Ion:168 Resp: 106842
Ion Ratio Lower Upper
168 100
99 68.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 50 Resp: 884
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

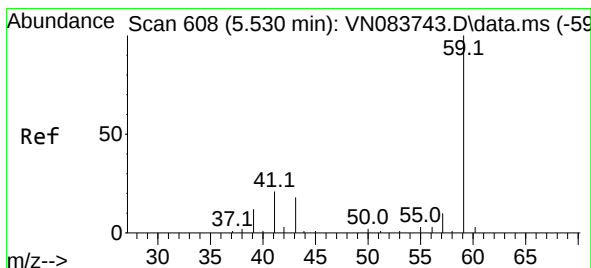
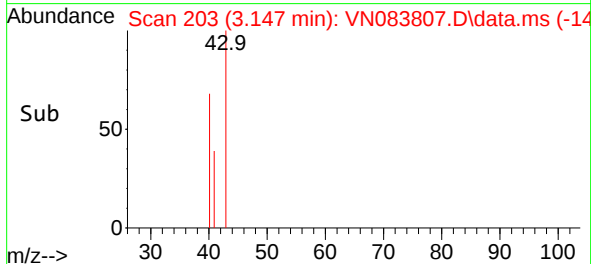
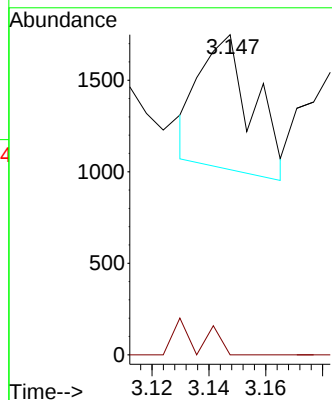
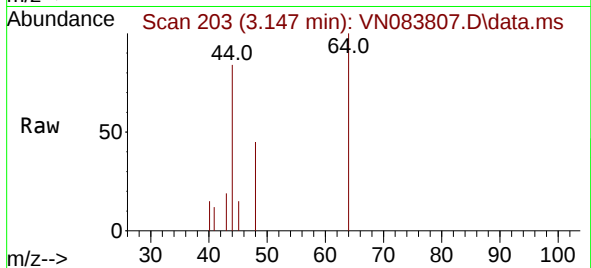




#6
Chloroethane
Concen: 0.970 ug/l
RT: 3.147 min Scan# 20
Delta R.T. 0.064 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

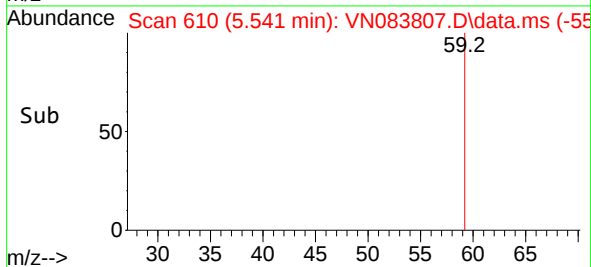
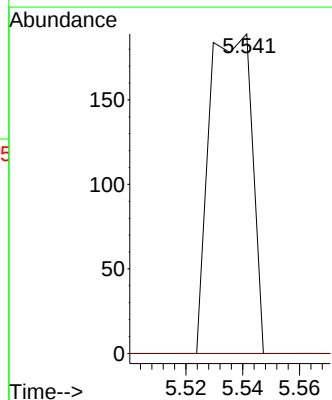
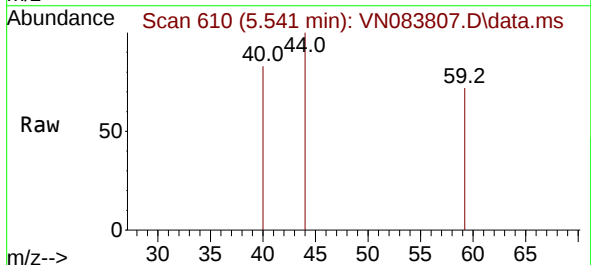
Instrument :
MSVOA_N
ClientSampleId :

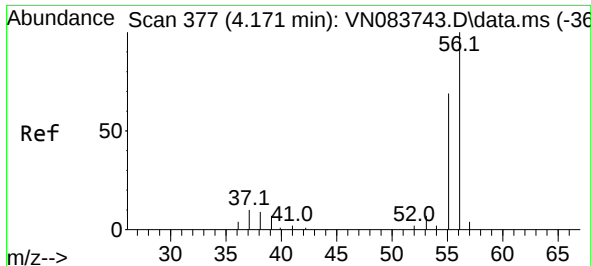
Tgt Ion: 64 Resp: 925
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.899 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

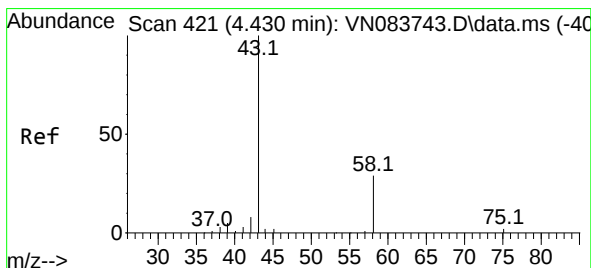
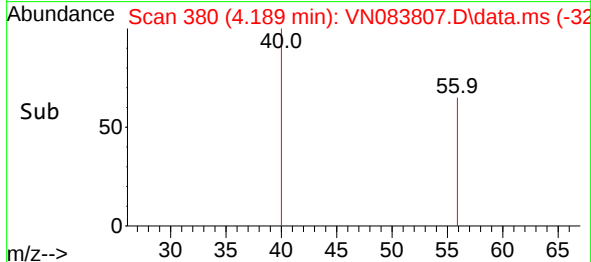
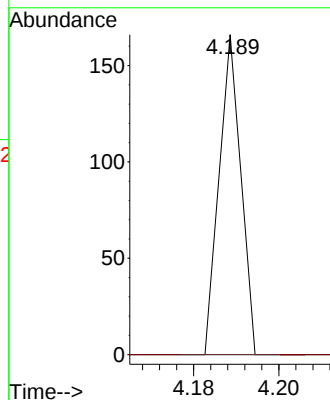
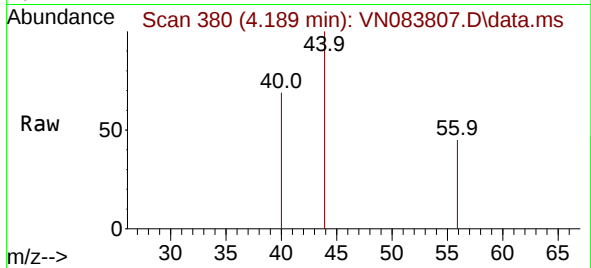




#13
Acrolein
Concen: 0.277 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

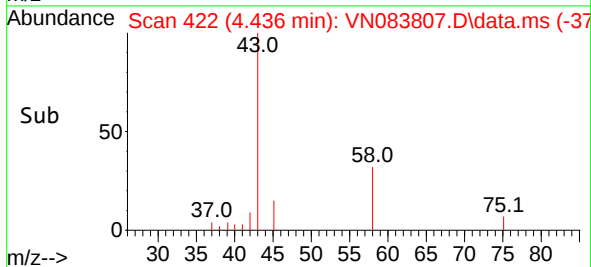
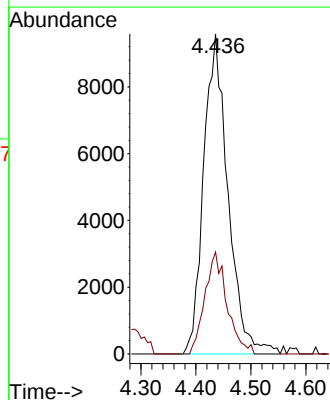
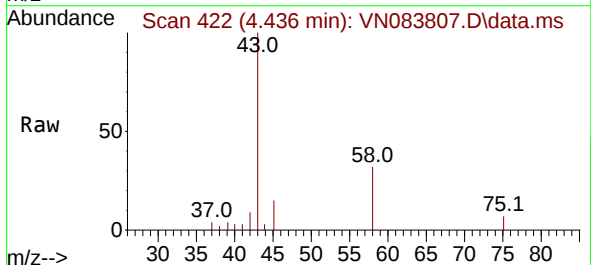
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 45.551 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 43 Resp: 29418
Ion Ratio Lower Upper
43 100
58 31.8 23.7 35.5

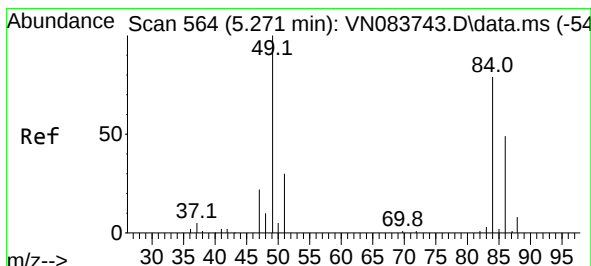
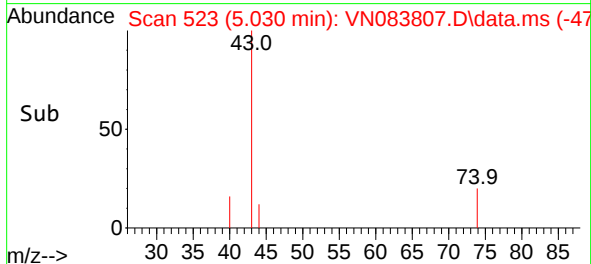
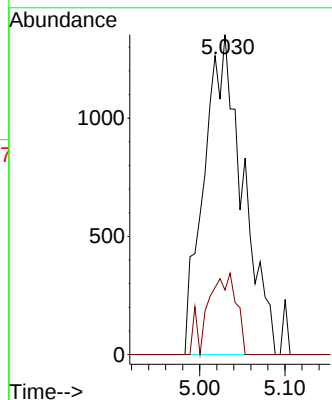
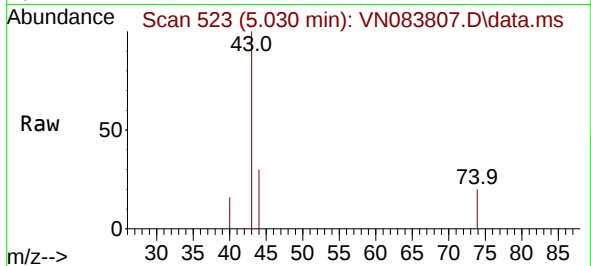




#18
Methyl Acetate
Concen: 1.374 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

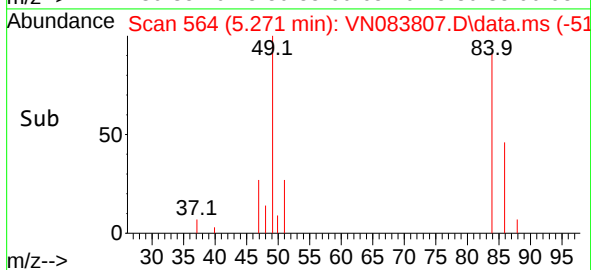
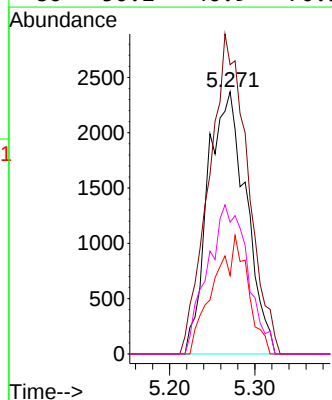
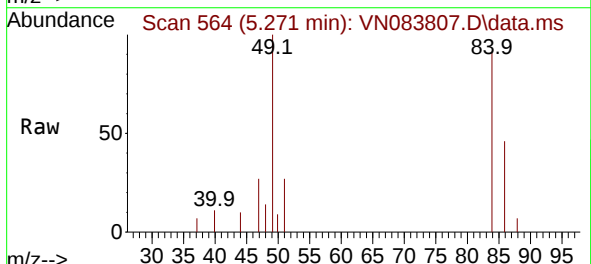
Instrument :
MSVOA_N
ClientSampleId :

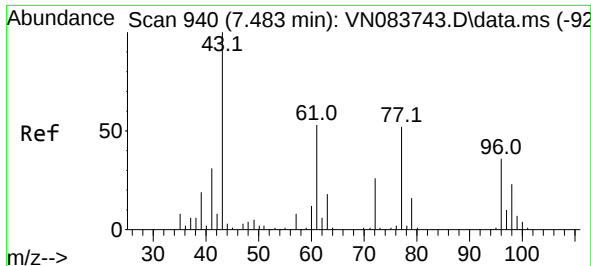
Tgt Ion: 43 Resp: 4277
Ion Ratio Lower Upper
43 100
74 18.7 19.0 28.4#



#20
Methylene Chloride
Concen: 5.613 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

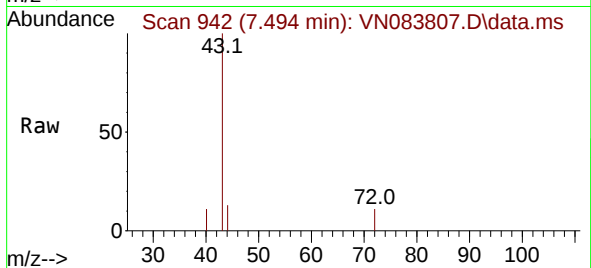
Tgt Ion: 84 Resp: 7418
Ion Ratio Lower Upper
84 100
49 110.3 93.4 140.0
51 29.9 29.2 43.8
86 50.2 46.9 70.3



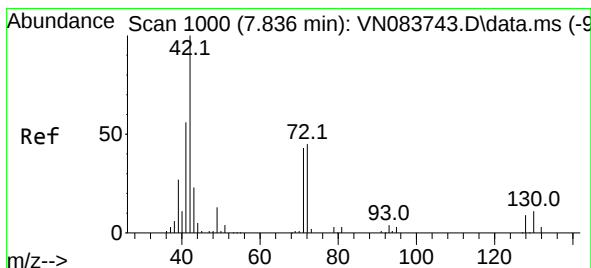
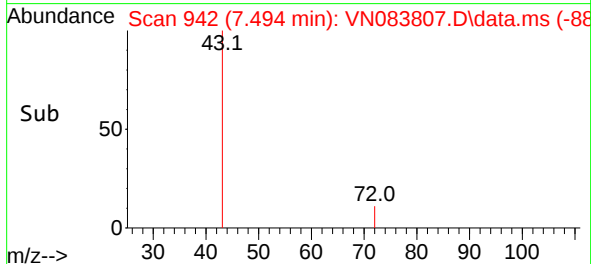
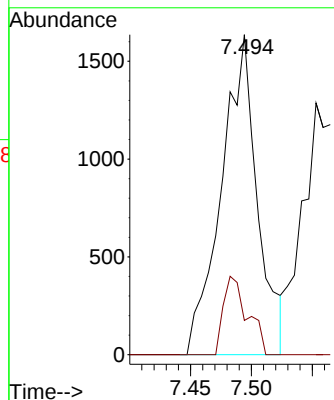


#25
2-Butanone
Concen: 3.964 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :

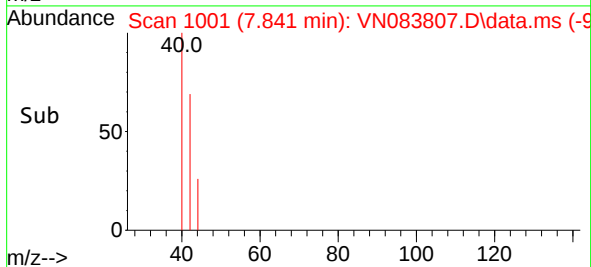
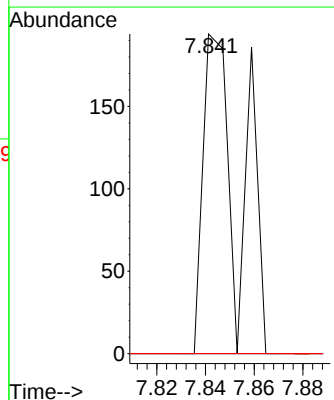
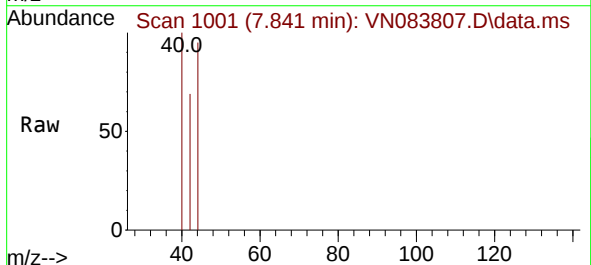


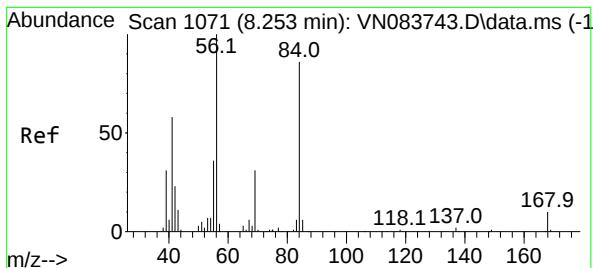
Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
72 10.7 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.396 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 42 Resp: 199
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.340 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

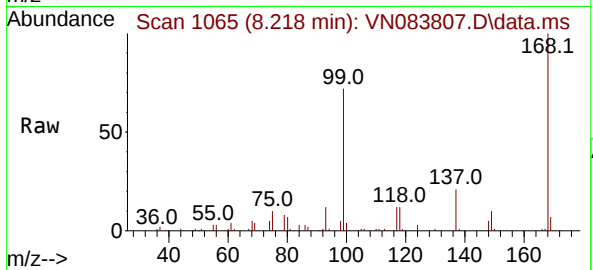
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Instrument :

MSVOA_N

ClientSampleId :



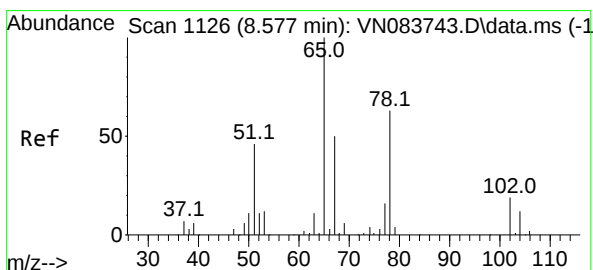
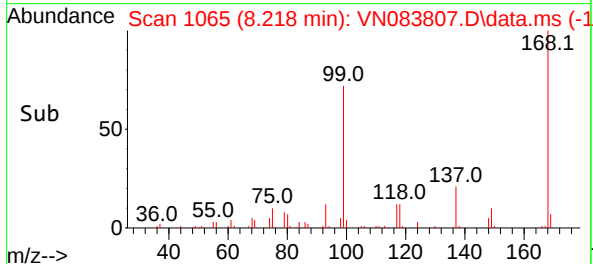
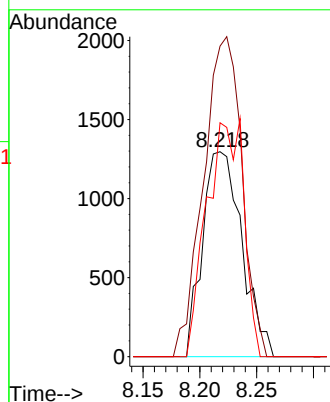
Tgt Ion: 56 Resp: 3119

Ion Ratio Lower Upper

56 100

69 151.5 26.9 40.3#

84 114.2 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 57.545 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083807.D

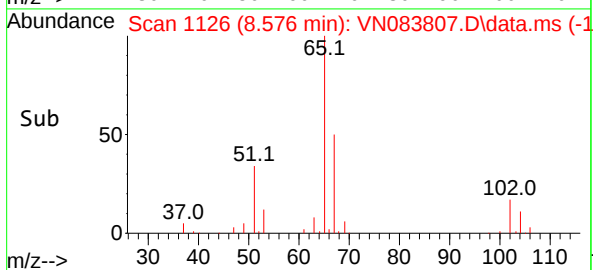
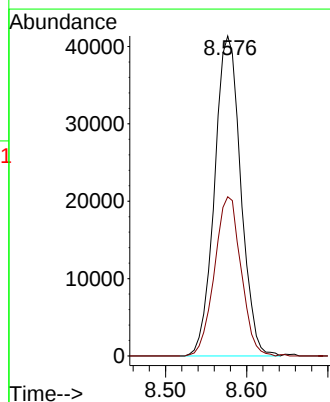
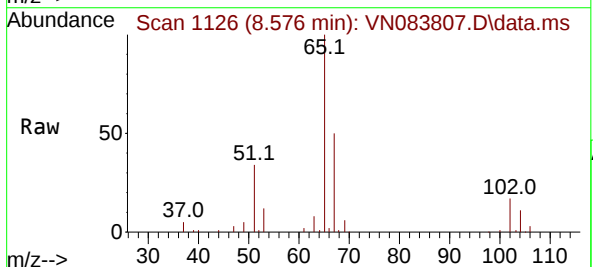
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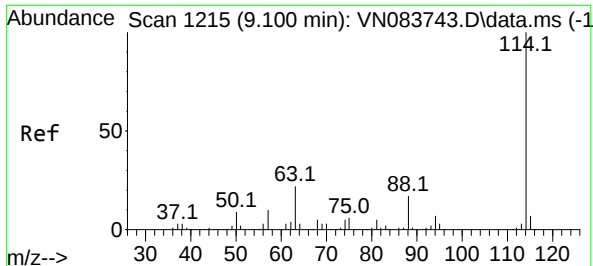
Tgt Ion: 65 Resp: 92706

Ion Ratio Lower Upper

65 100

67 50.4 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: VN083807.D

Acq: 11 Sep 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

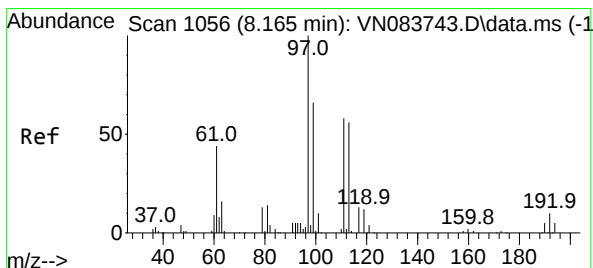
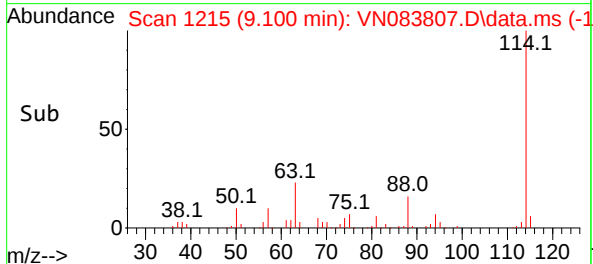
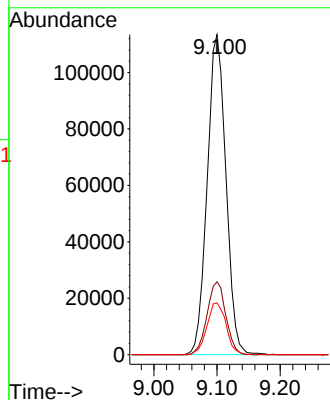
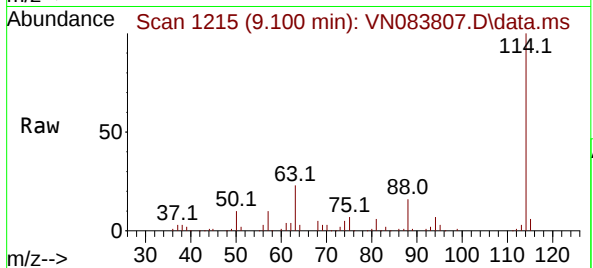
Tgt Ion:114 Resp: 233400

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.534 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083807.D

Acq: 11 Sep 2024 19:57

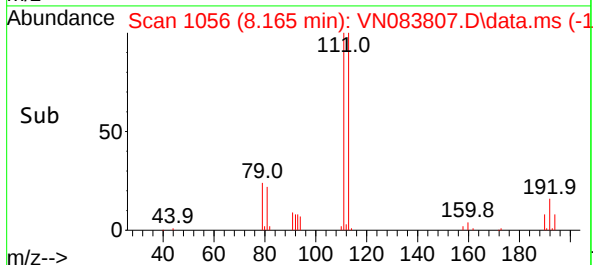
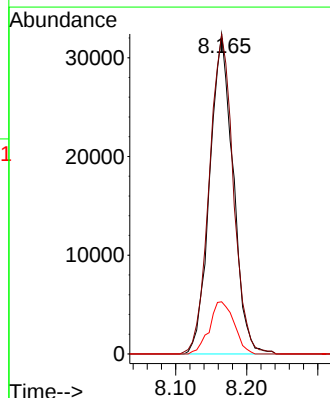
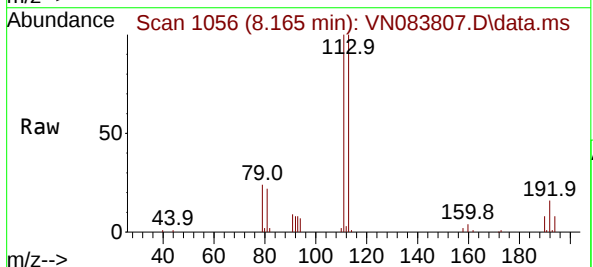
Tgt Ion:113 Resp: 74013

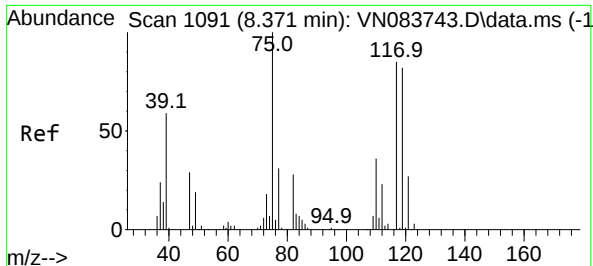
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

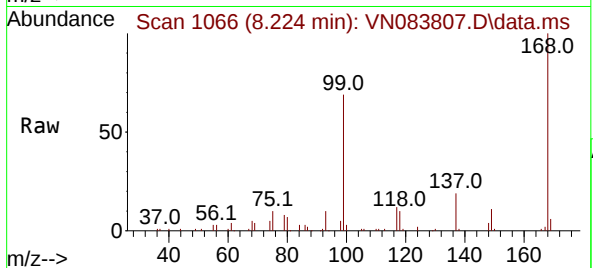
192 17.2 14.3 21.5



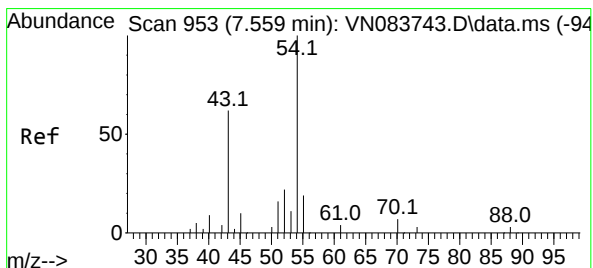
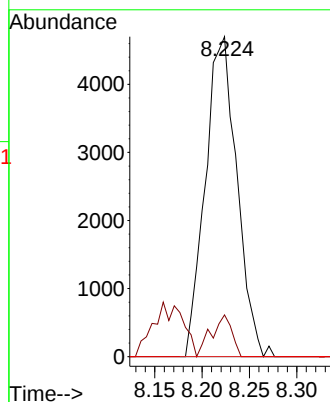
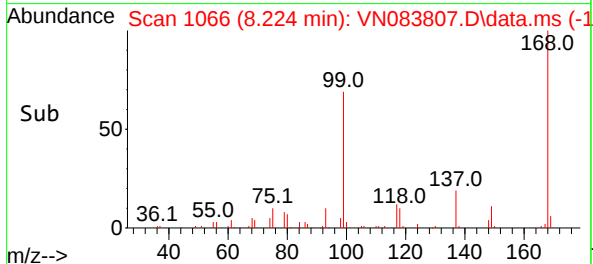


#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :

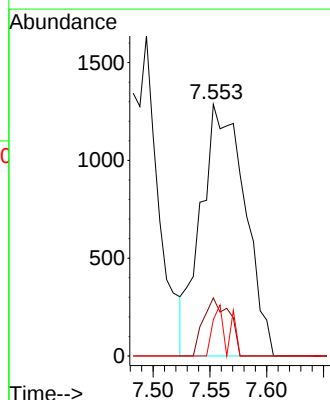
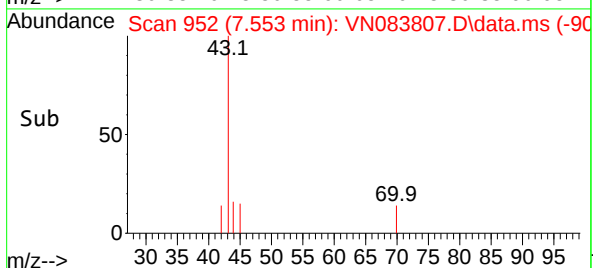
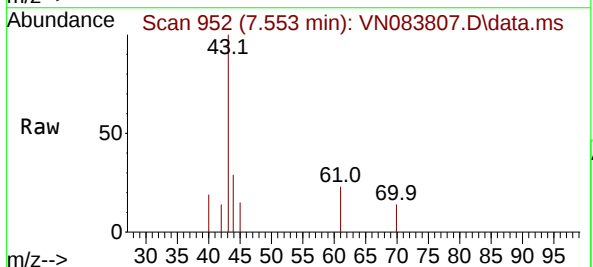


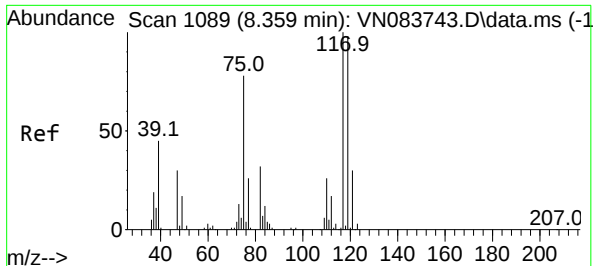
Tgt Ion: 75 Resp: 10920
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.692 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

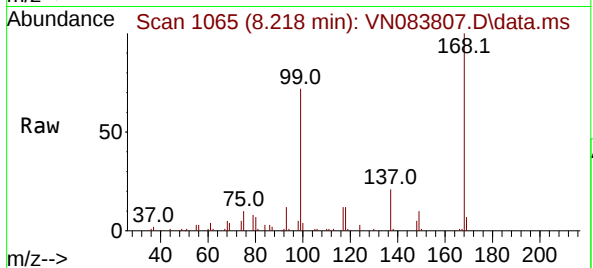
Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 6.9 8.8 13.2#



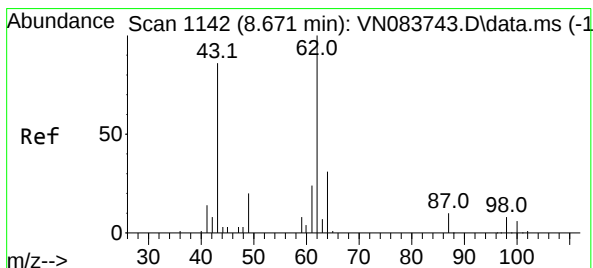
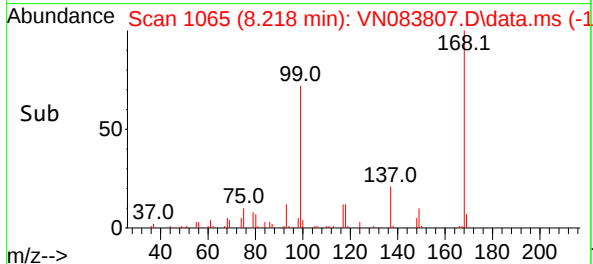
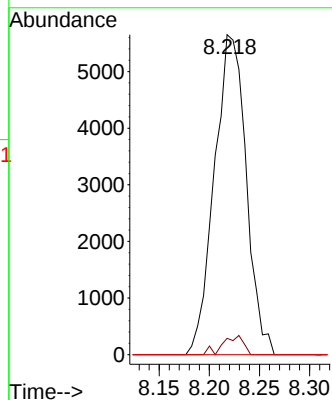


#38
Carbon Tetrachloride
Concen: 4.885 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :

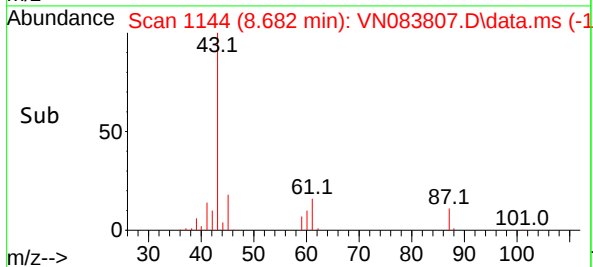
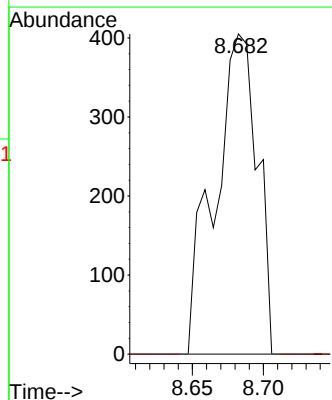
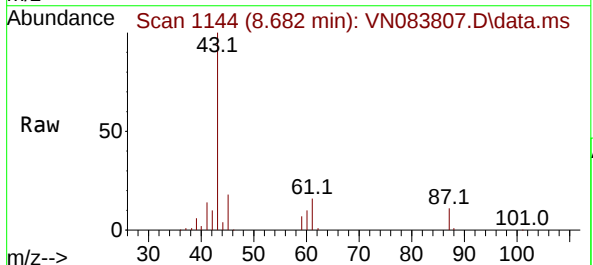


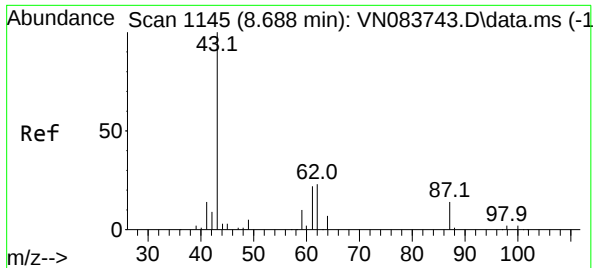
Tgt Ion:117 Resp: 12465
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.336 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 62 Resp: 850
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

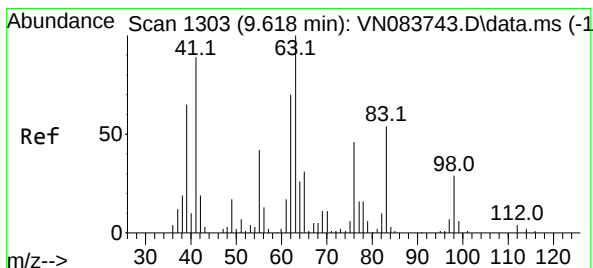
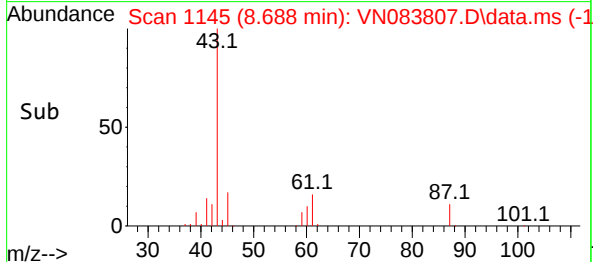
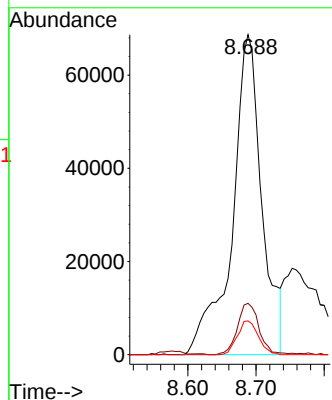
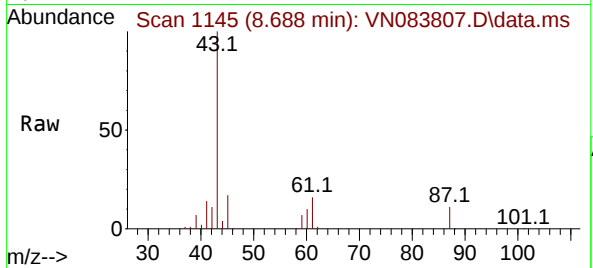




#43
Isopropyl Acetate
Concen: 55.970 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

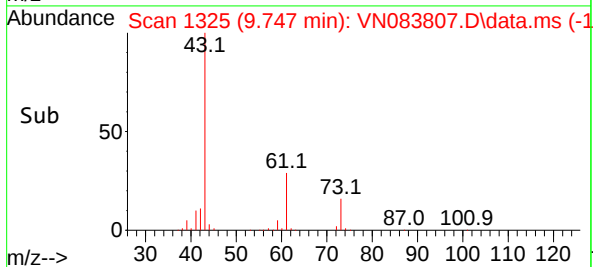
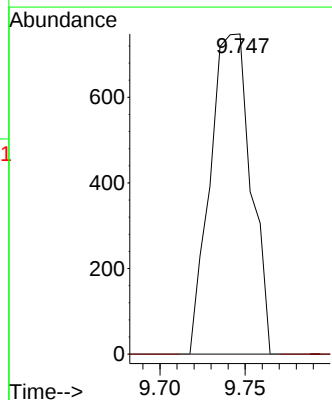
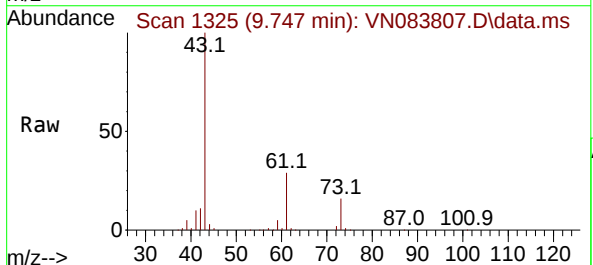
Instrument :
MSVOA_N
ClientSampleId :

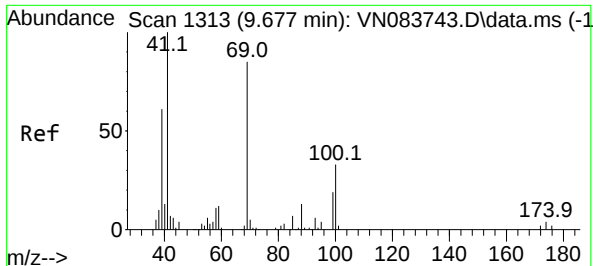
Tgt Ion: 43 Resp: 207052
Ion Ratio Lower Upper
43 100
61 11.8 19.4 29.0#
87 7.5 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.760 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 63 Resp: 1243
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.851 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083807.D

Acq: 11 Sep 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

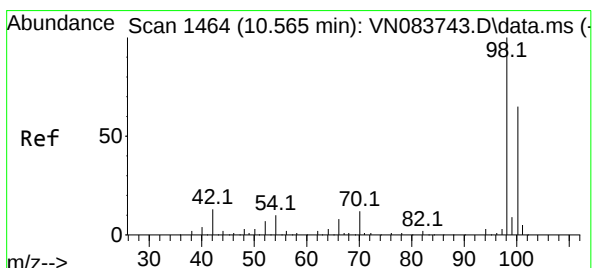
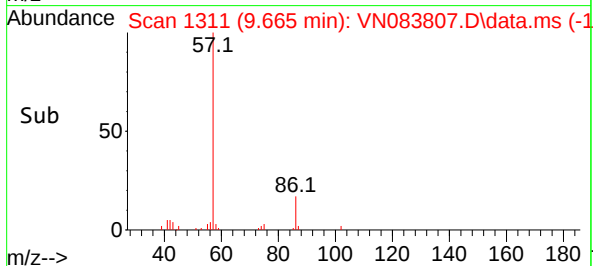
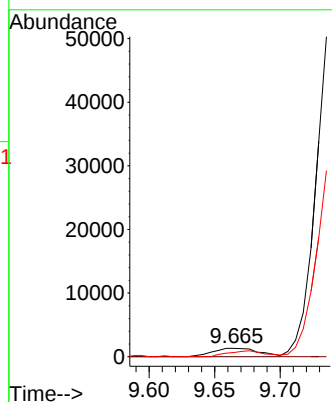
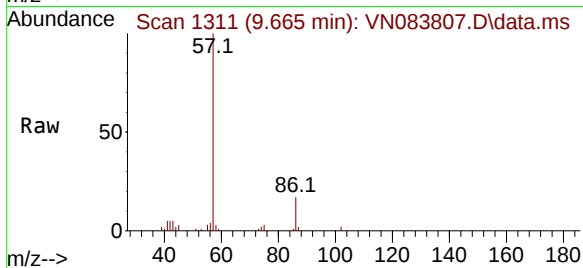
Tgt Ion: 41 Resp: 3249

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 55.6 48.9 73.3



#50

Toluene-d8

Concen: 52.045 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083807.D

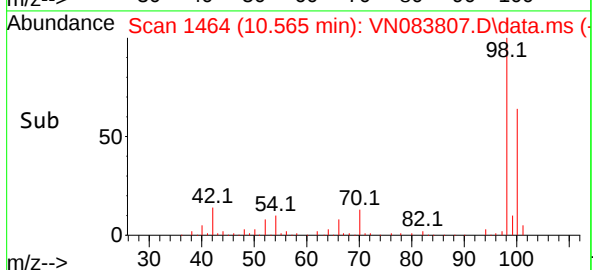
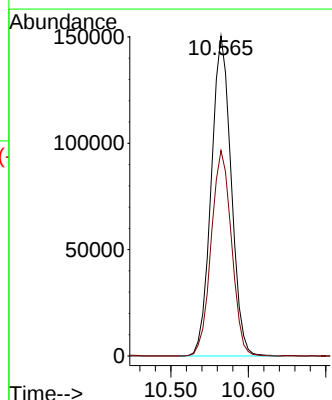
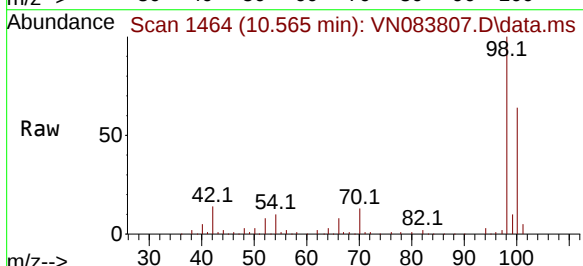
Acq: 11 Sep 2024 19:57

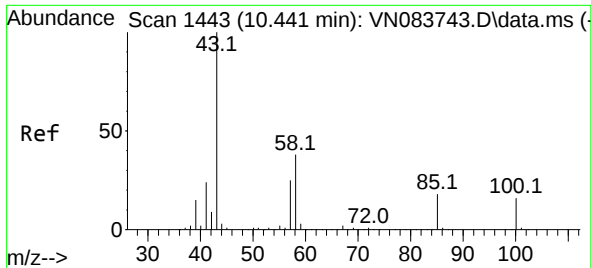
Tgt Ion: 98 Resp: 268840

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

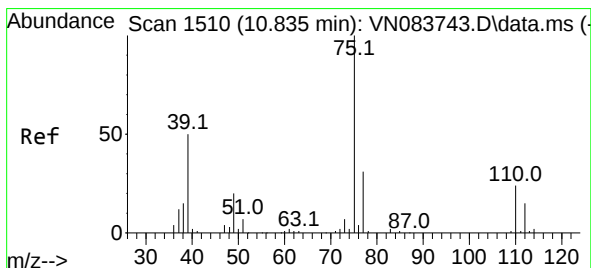
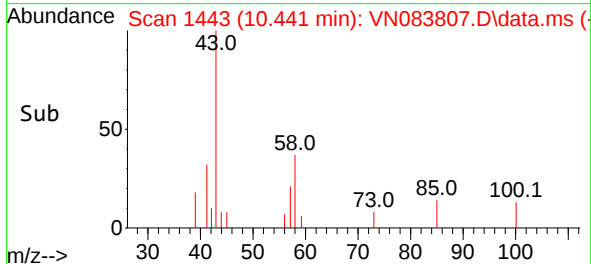
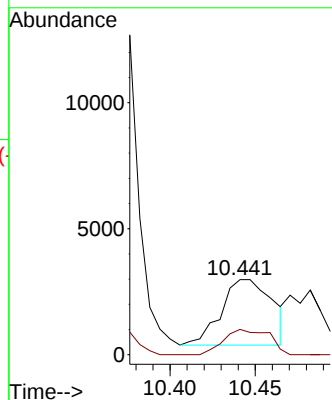
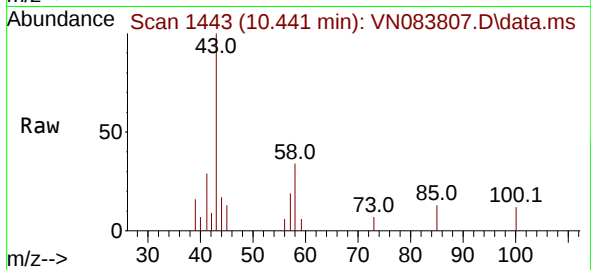




#51
4-Methyl-2-Pentanone
Concen: 2.689 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

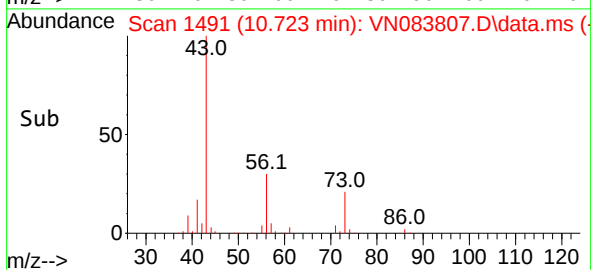
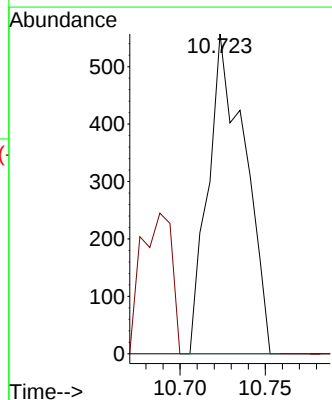
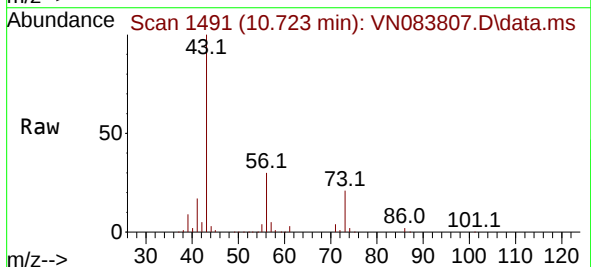
Instrument :
MSVOA_N
ClientSampleId :

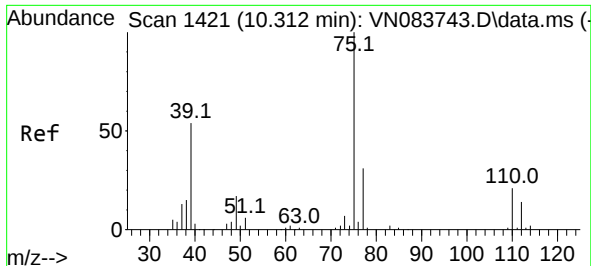
Tgt Ion: 43 Resp: 5415
Ion Ratio Lower Upper
43 100
58 34.6 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.333 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 75 Resp: 836
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

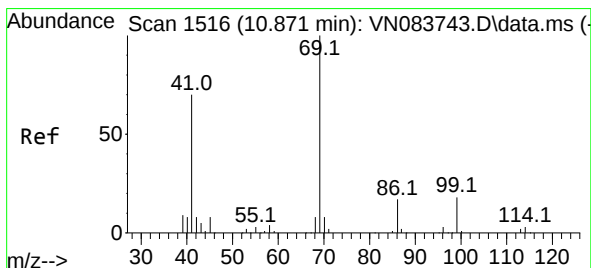
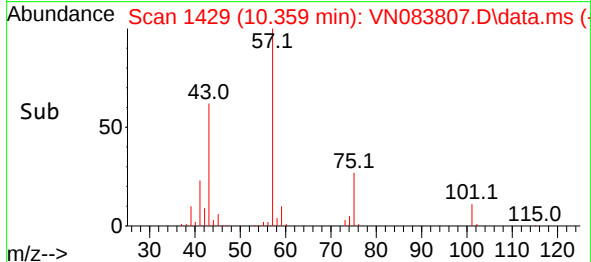
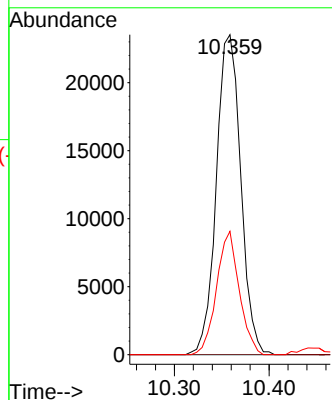
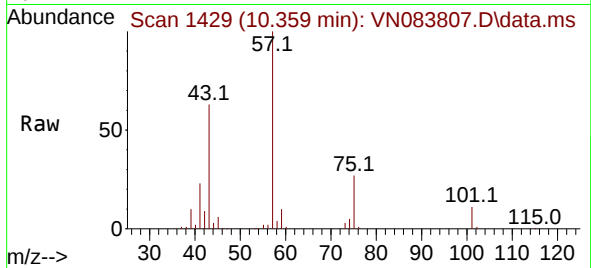




#54
 cis-1,3-Dichloropropene
 Concen: 15.983 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083807.D
 Acq: 11 Sep 2024 19:57

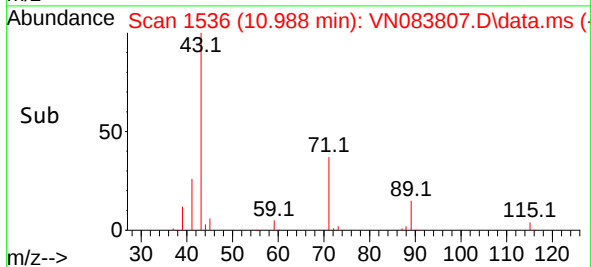
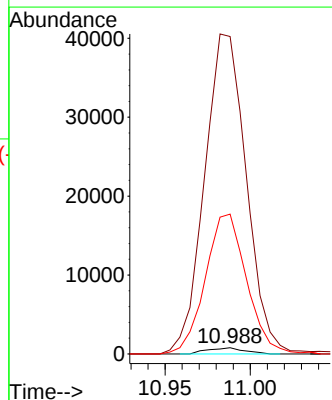
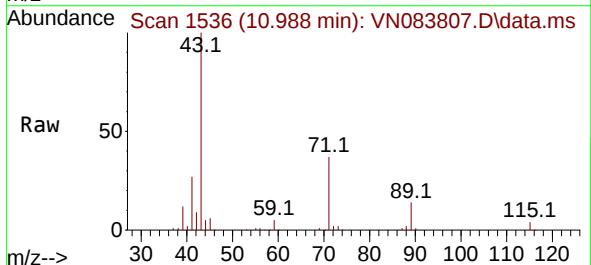
Instrument :
 MSVOA_N
 ClientSampleId :

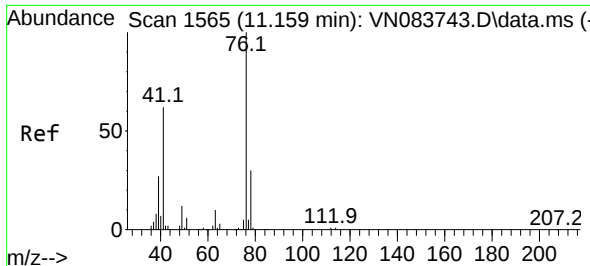
Tgt Ion: 75 Resp: 42206
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 38.5 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.494 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN083807.D
 Acq: 11 Sep 2024 19:57

Tgt Ion: 69 Resp: 1174
 Ion Ratio Lower Upper
 69 100
 41 5906.0 53.9 80.9#
 39 2547.6 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.006 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083807.D

Acq: 11 Sep 2024 19:57

Instrument :

MSVOA_N

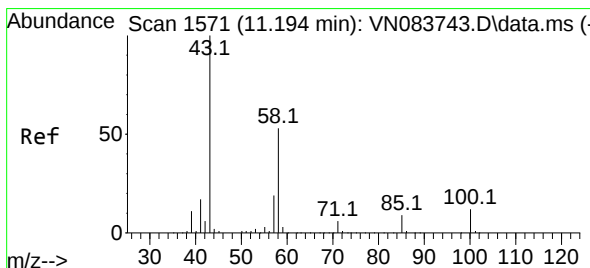
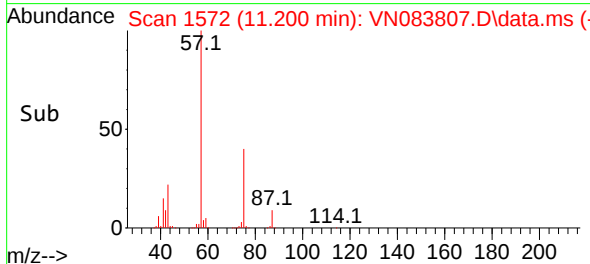
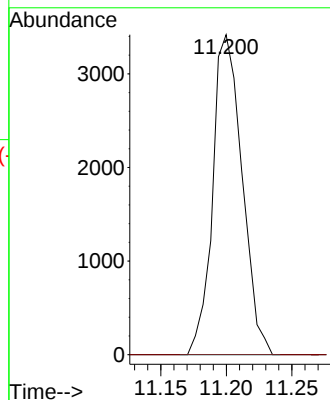
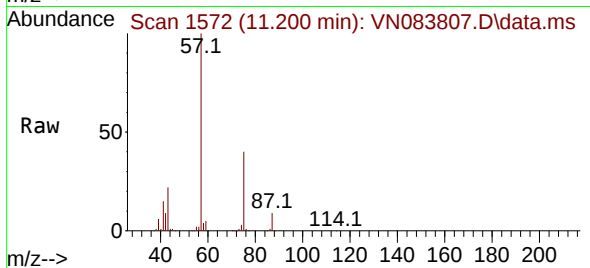
ClientSampleId :

Tgt Ion: 76 Resp: 5329

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 48.416 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083807.D

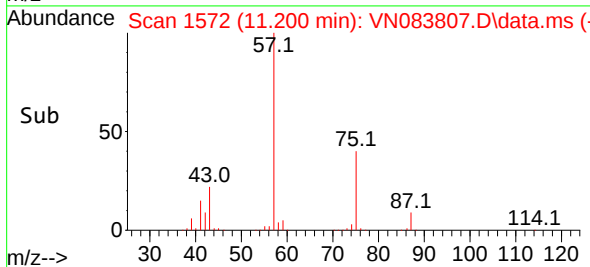
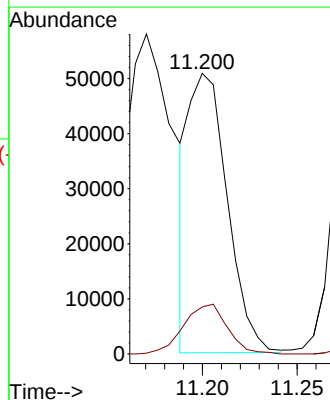
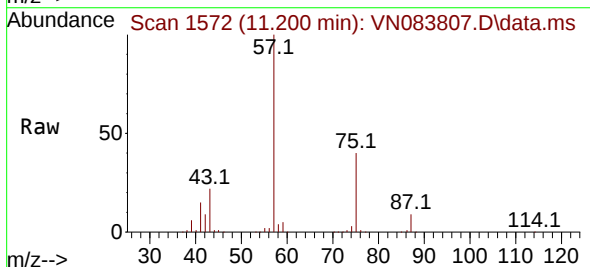
Acq: 11 Sep 2024 19:57

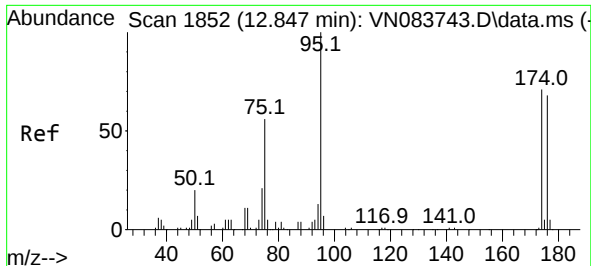
Tgt Ion: 43 Resp: 72120

Ion Ratio Lower Upper

43 100

58 20.2 27.2 81.5#

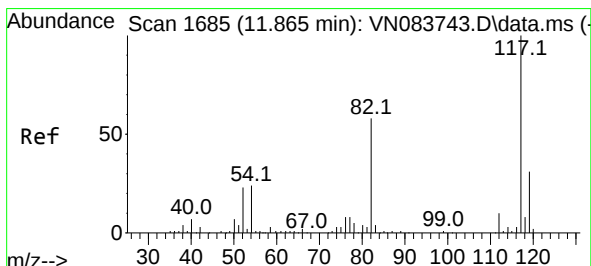
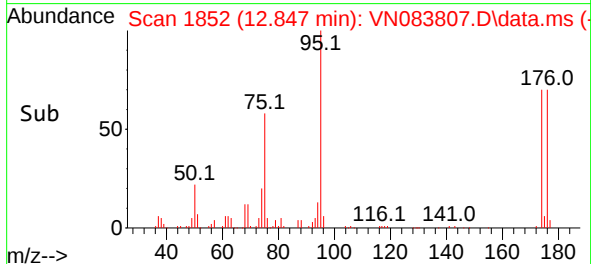
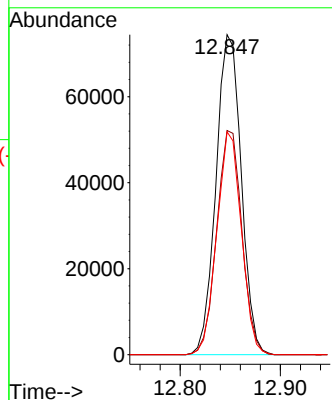
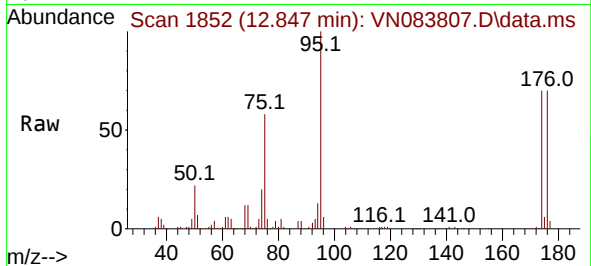




#62
4-Bromofluorobenzene
Concen: 61.211 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

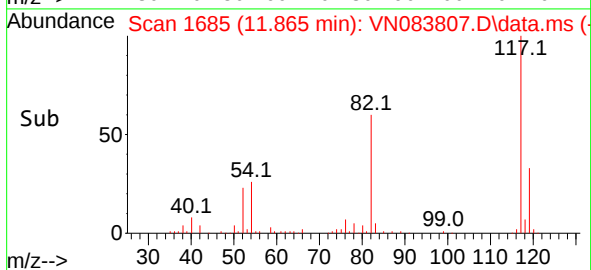
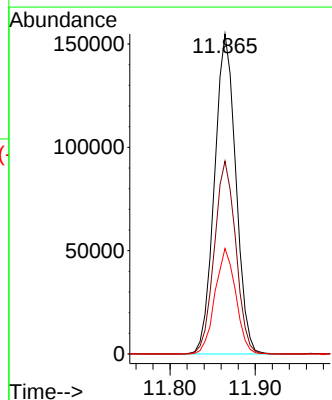
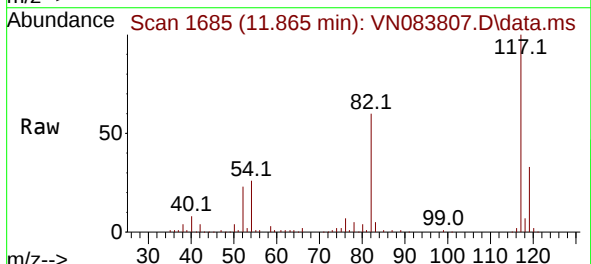
Instrument :
MSVOA_N
ClientSampleId :

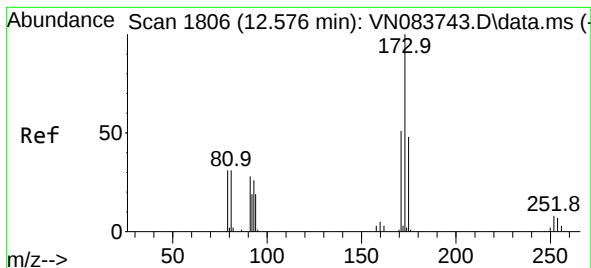
Tgt Ion: 95 Resp: 130450
Ion Ratio Lower Upper
95 100
174 69.8 0.0 139.8
176 67.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Tgt Ion: 117 Resp: 269325
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.0
119 32.9 26.3 39.5





#71

Bromoform

Concen: 0.273 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN083807.D

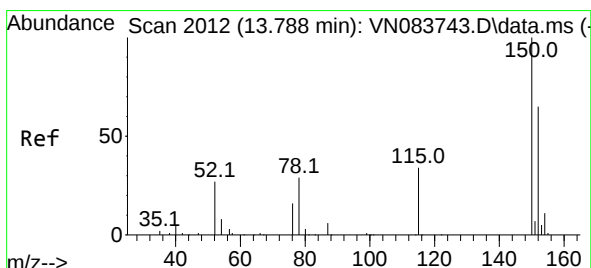
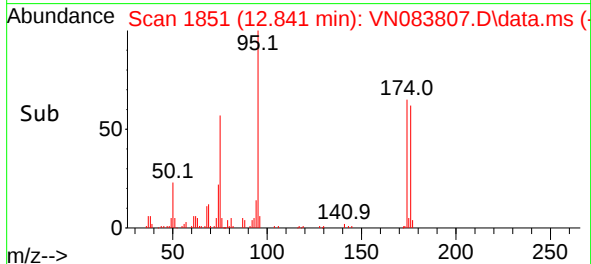
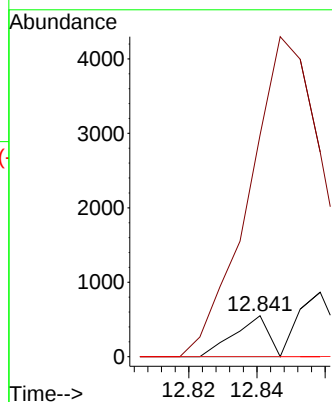
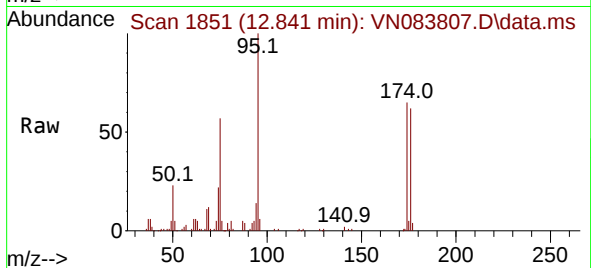
Acq: 11 Sep 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	382
Ion Ratio	Lower	Upper
173	100	
175	1296.6	24.1 72.2#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

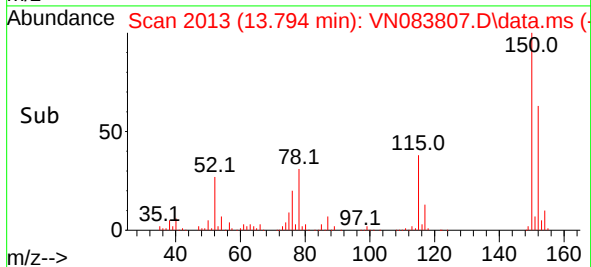
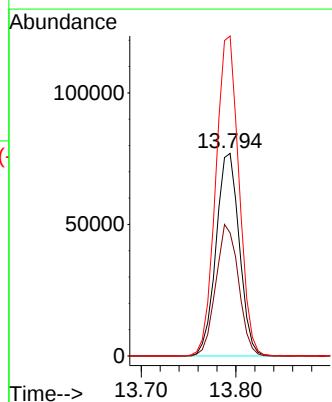
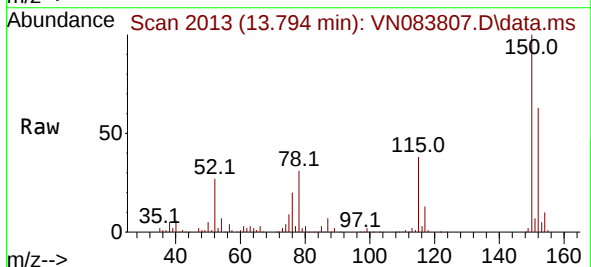
RT: 13.794 min Scan# 2013

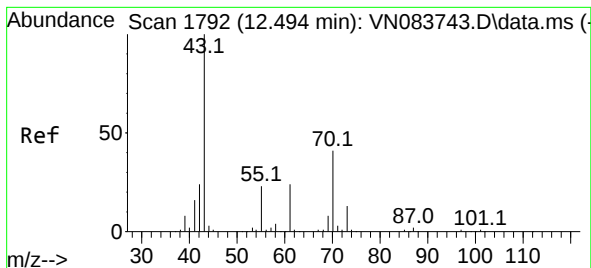
Delta R.T. 0.006 min

Lab File: VN083807.D

Acq: 11 Sep 2024 19:57

Tgt Ion:152	Resp:	131454
Ion Ratio	Lower	Upper
152	100	
115	63.5	32.2 96.6
150	157.3	0.0 348.6





#74

N-amy1 acetate

Concen: 0.281 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN083807.D

Acq: 11 Sep 2024 19:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1221

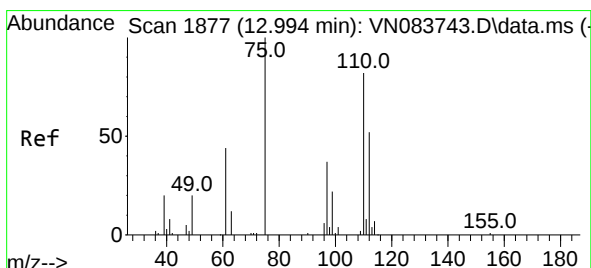
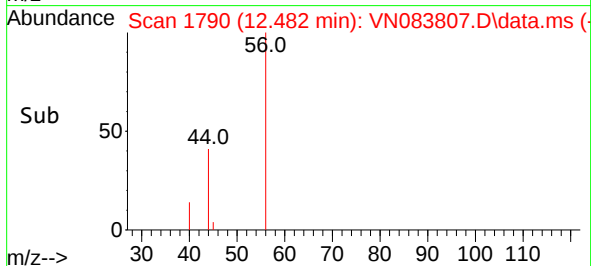
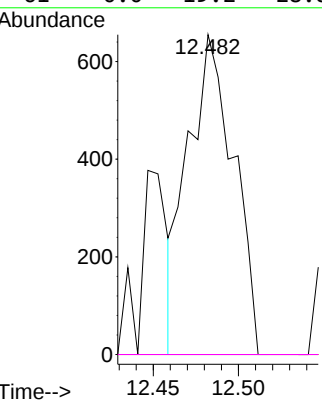
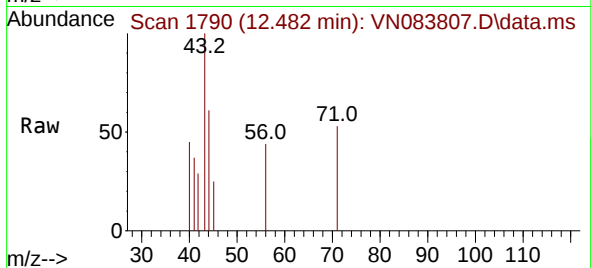
Ion Ratio Lower Upper

43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 27.886 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083807.D

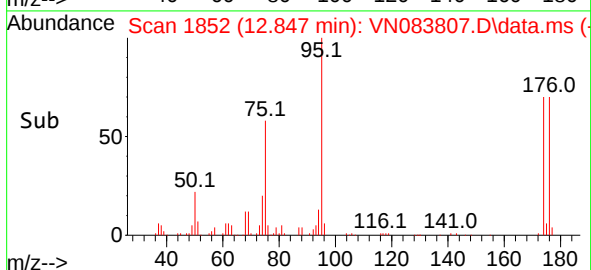
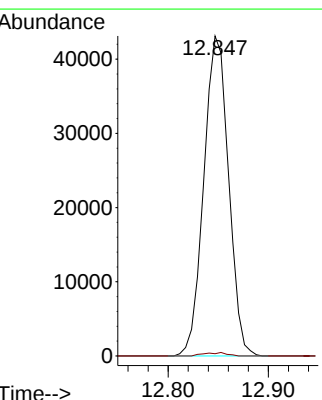
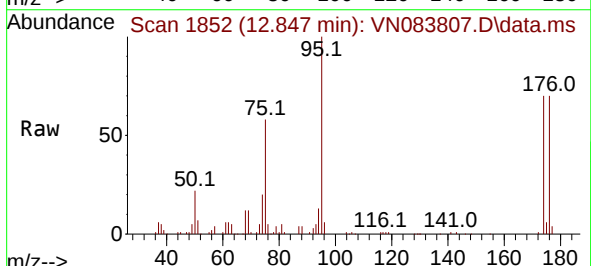
Acq: 11 Sep 2024 19:57

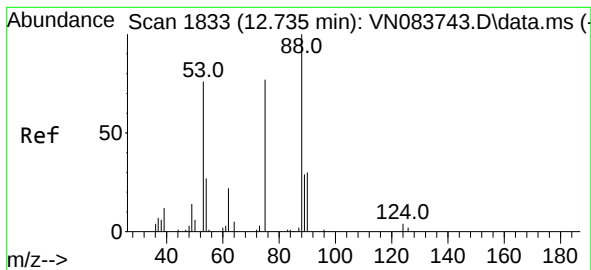
Tgt Ion: 75 Resp: 73968

Ion Ratio Lower Upper

75 100

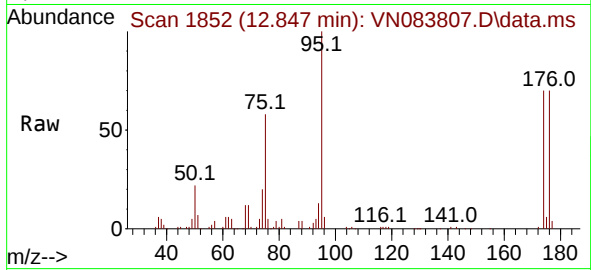
77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.036 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083807.D
Acq: 11 Sep 2024 19:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 73968
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

