

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
 Data File : VN083313.D
 Acq On : 14 Aug 2024 20:07
 Operator : JC\MD
 Sample : PB162684TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 23:26:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

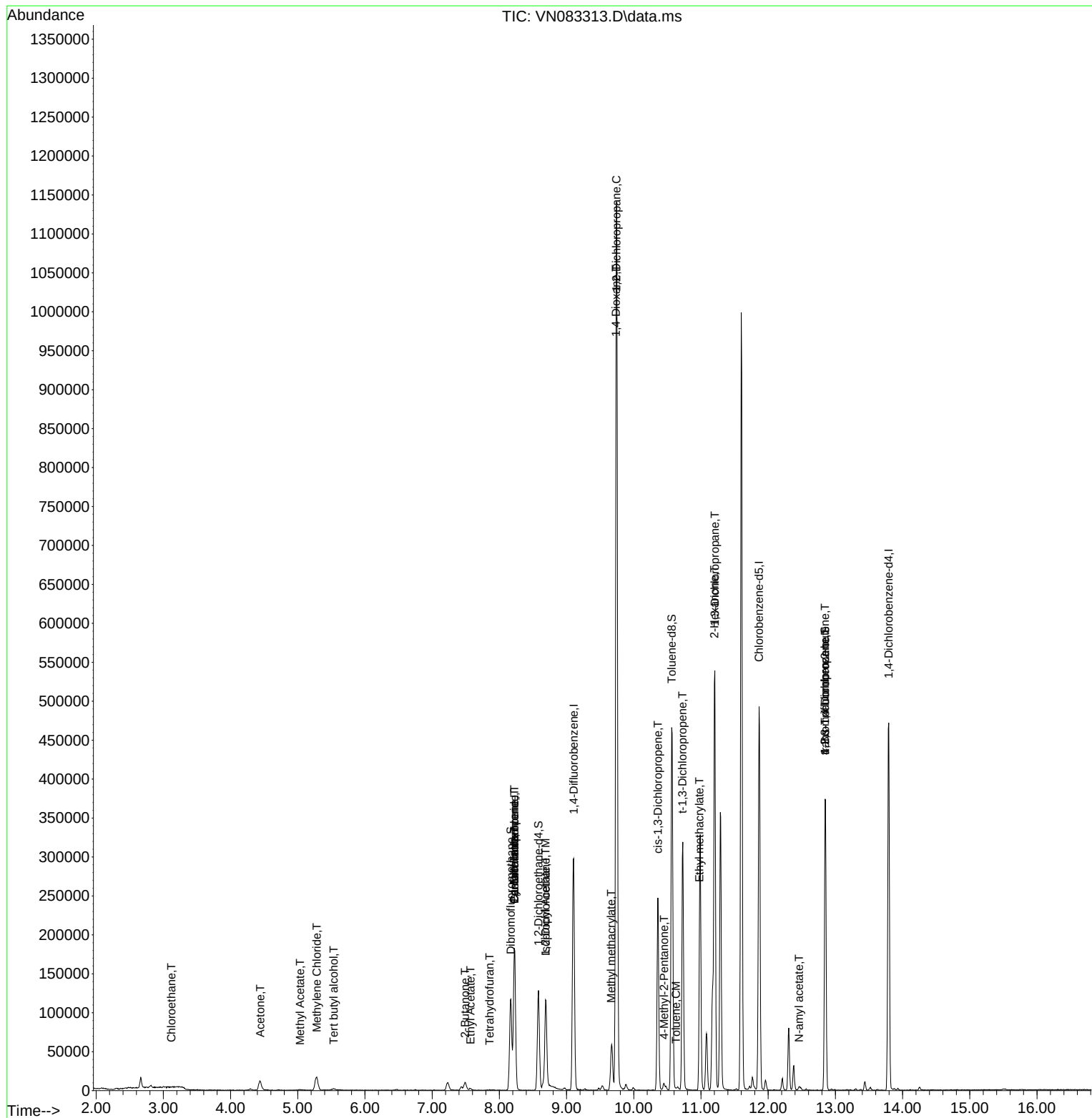
Internal Standards						
1) Pentafluorobenzene	8.224	168	128089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	105493	57.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.720%			
35) Dibromofluoromethane	8.171	113	84338	53.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	10.565	98	319511	53.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.847	95	133649	57.922	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.840%			
Target Compounds					Qvalue	
6) Chloroethane	3.118	64	519	0.547	ug/l #	41
11) Tert butyl alcohol	5.536	59	3082	8.134	ug/l #	71
16) Acetone	4.441	43	23627	33.118	ug/l	99
18) Methyl Acetate	5.036	43	968	0.455	ug/l #	68
20) Methylene Chloride	5.283	84	12752	7.767	ug/l	84
25) 2-Butanone	7.488	43	16928	15.453	ug/l	92
29) Tetrahydrofuran	7.853	42	572	0.808	ug/l #	38
31) Cyclohexane	8.224	56	3138	1.161	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11725	4.885	ug/l #	50
37) Ethyl Acetate	7.571	43	4597	1.711	ug/l #	86
38) Carbon Tetrachloride	8.224	117	14850	5.493	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	942	0.362	ug/l #	78
43) Isopropyl Acetate	8.688	43	153377	31.921	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1269	0.748	ug/l #	44
48) Methyl methacrylate	9.665	41	4719	2.124	ug/l #	55
49) 1,4-Dioxane	9.735	88	56	1.397	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	5642	2.220	ug/l	98
52) Toluene	10.629	92	1021	0.226	ug/l	76
53) t-1,3-Dichloropropene	10.723	75	733	0.262	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42856	14.380	ug/l #	58
56) Ethyl methacrylate	10.976	69	994	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5318	1.843	ug/l #	43
59) 2-Hexanone	11.200	43	81948	41.682	ug/l #	63
74) N-amyl acetate	12.459	43	4459	0.884	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	73085	26.997	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73085	58.726	ug/l #	6

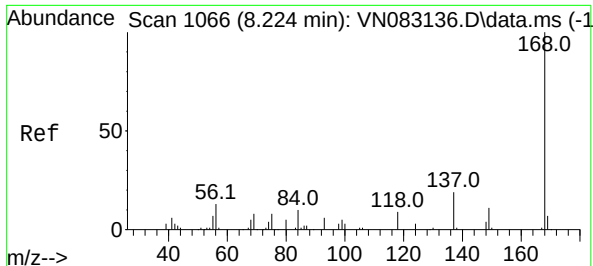
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
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ClientSampleId :

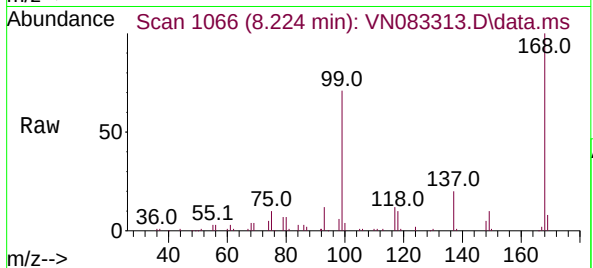
Quant Time: Aug 14 23:26:39 2024
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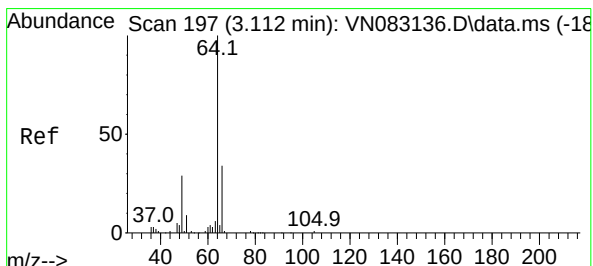
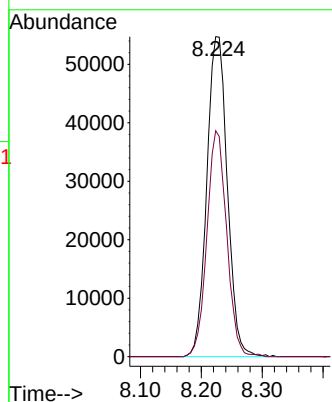
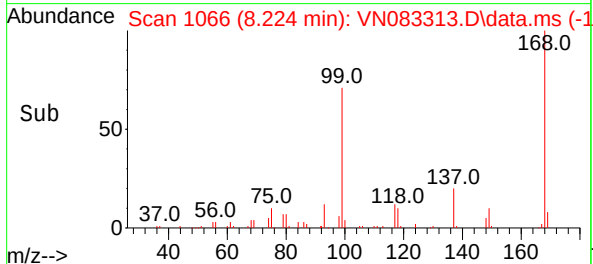


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

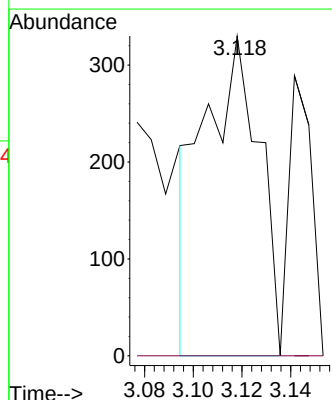
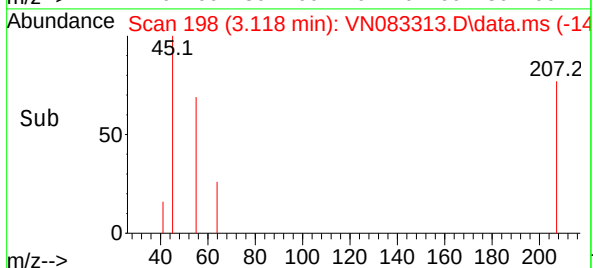
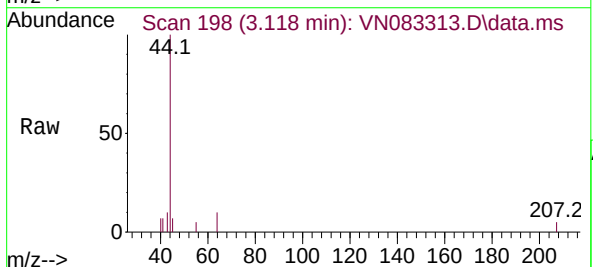


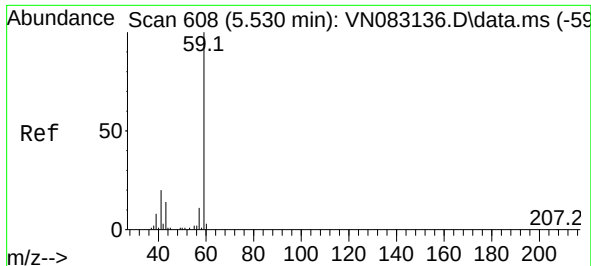
Tgt Ion:168 Resp: 128089
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.4



#6
Chloroethane
Concen: 0.547 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

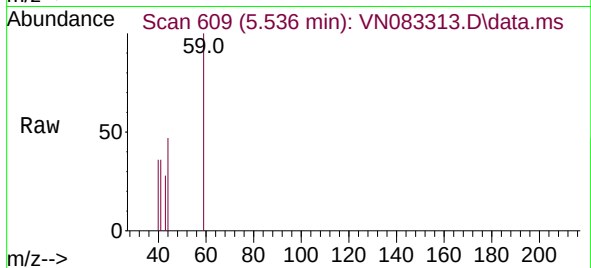
Tgt Ion: 64 Resp: 519
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



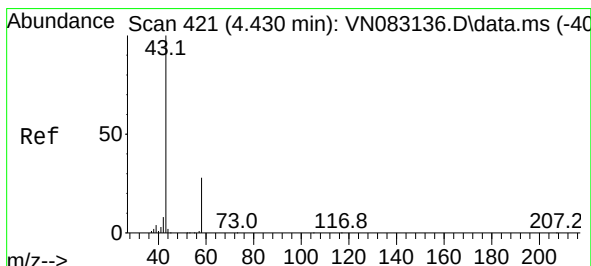
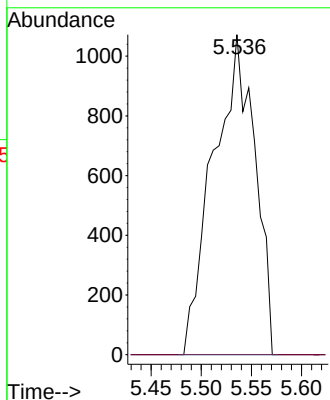
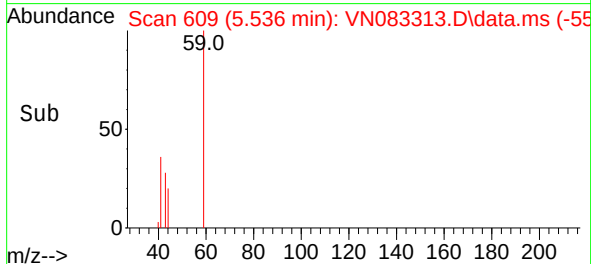


#11
Tert butyl alcohol
Concen: 8.134 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

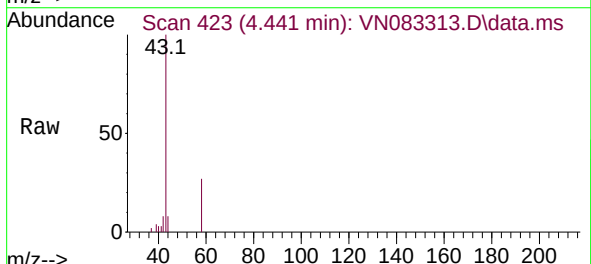
Instrument :
MSVOA_N
ClientSampleId :



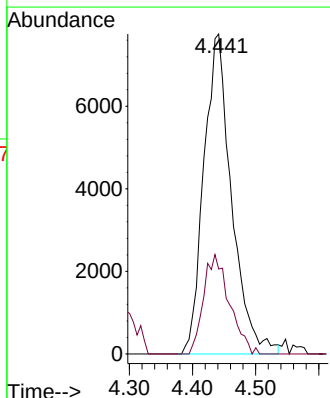
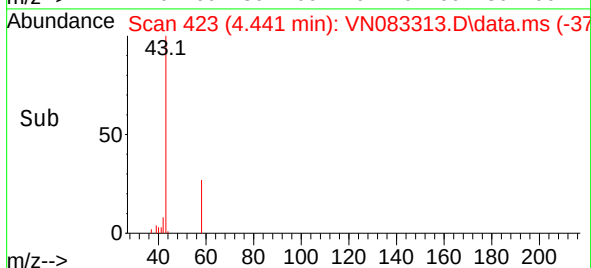
Tgt Ion: 59 Resp: 3082
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

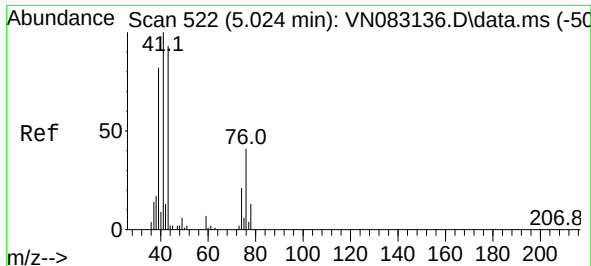


#16
Acetone
Concen: 33.118 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07



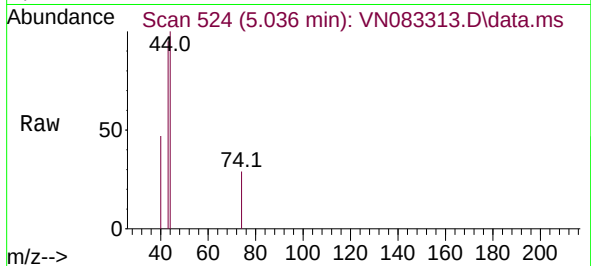
Tgt Ion: 43 Resp: 23627
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.6



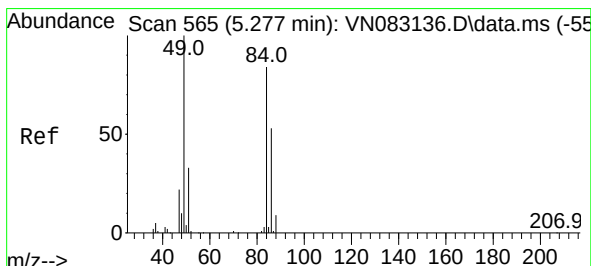
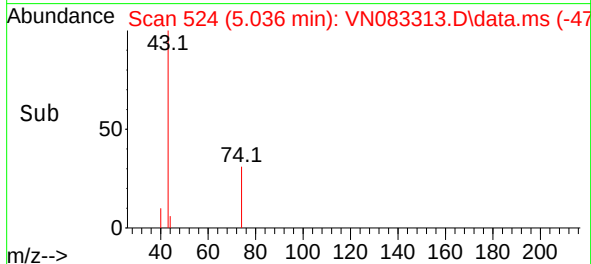
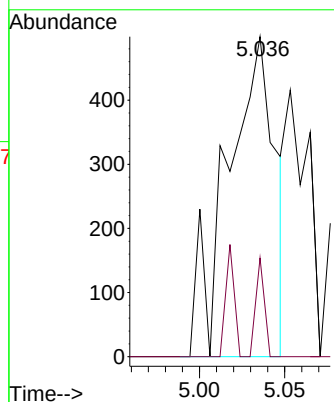


#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

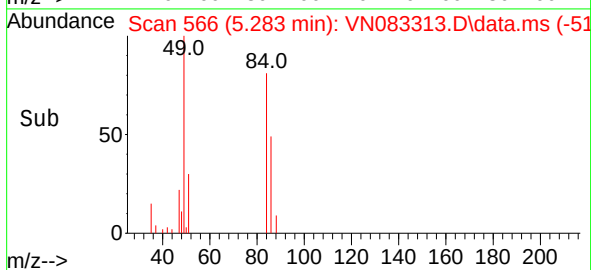
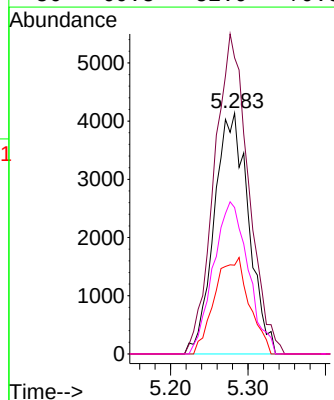
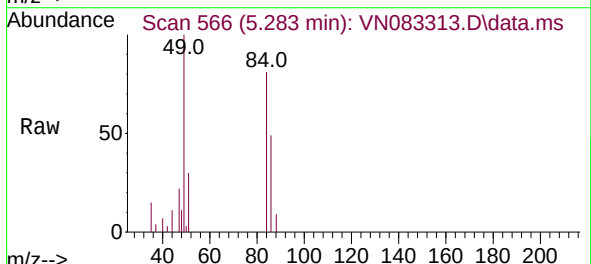


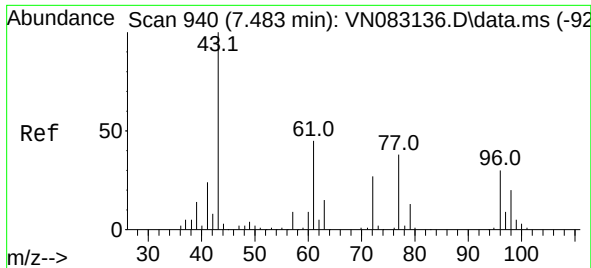
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
74 5.6 16.3 24.5#



#20
Methylene Chloride
Concen: 7.767 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

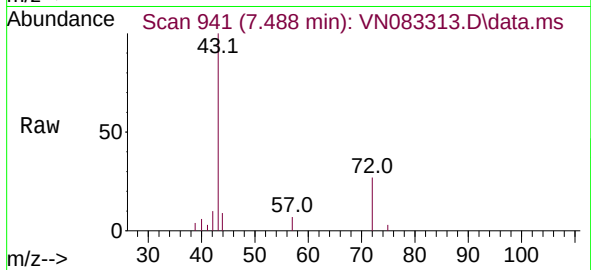
Tgt Ion: 84 Resp: 12752
Ion Ratio Lower Upper
84 100
49 123.0 119.6 179.4
51 36.9 34.8 52.2
86 60.8 52.9 79.3



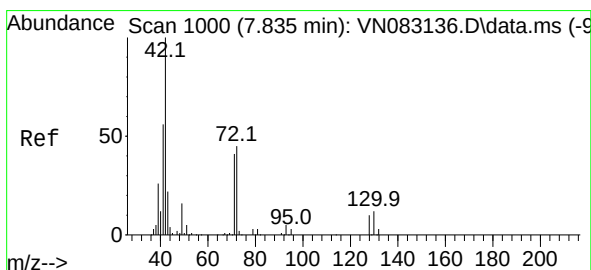
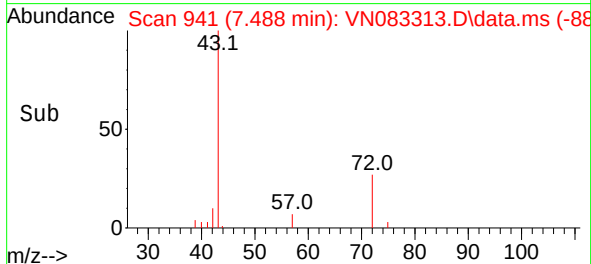
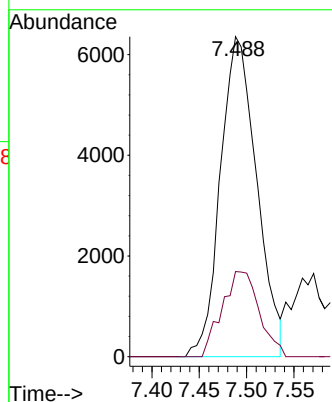


#25
2-Butanone
Concen: 15.453 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

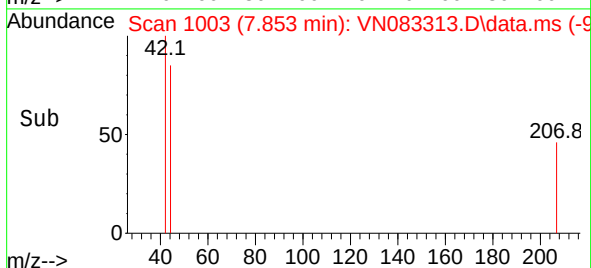
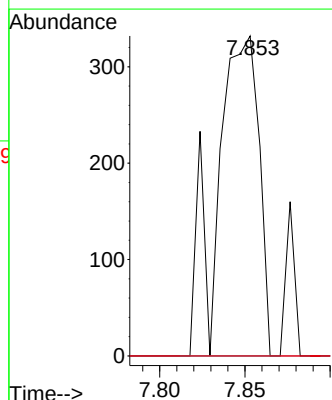
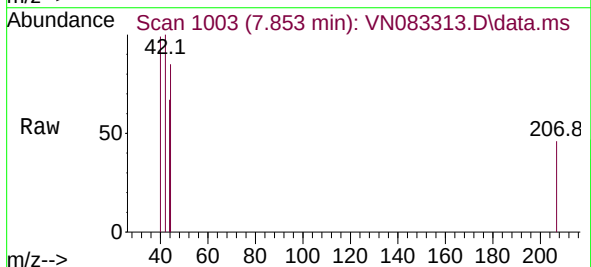


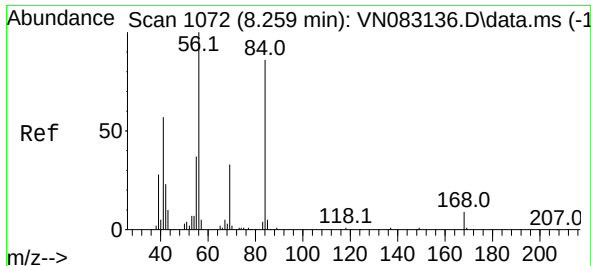
Tgt Ion: 43 Resp: 16928
Ion Ratio Lower Upper
43 100
72 26.6 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.808 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Tgt Ion: 42 Resp: 572
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.035 min

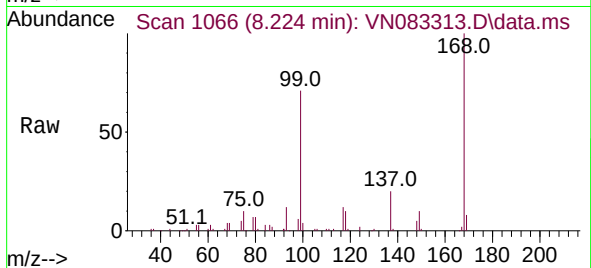
Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :



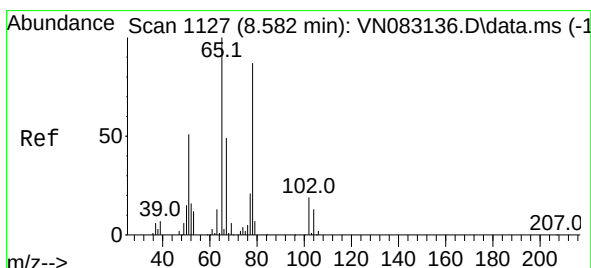
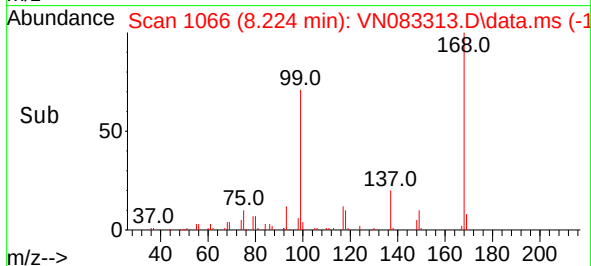
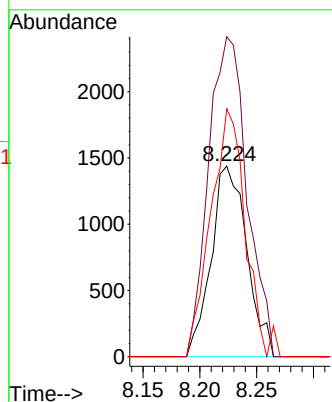
Tgt Ion: 56 Resp: 3138

Ion Ratio Lower Upper

56 100

69 167.9 24.5 36.7#

84 130.0 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 57.861 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083313.D

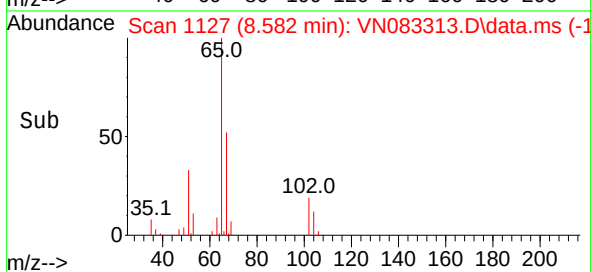
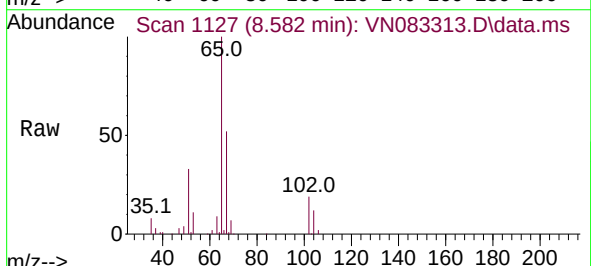
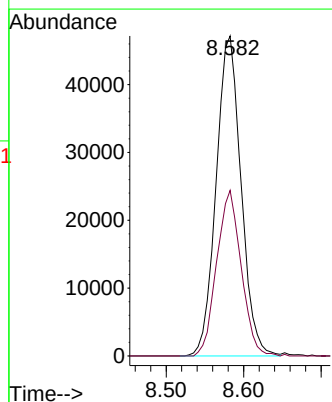
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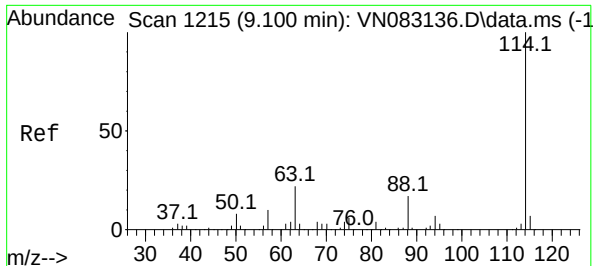
Tgt Ion: 65 Resp: 105493

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4

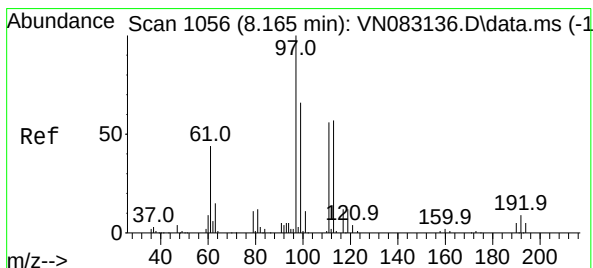
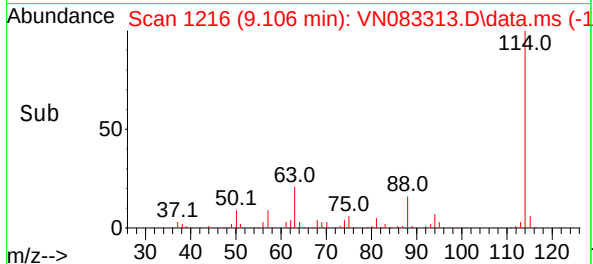
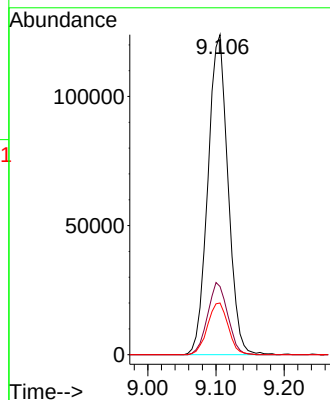
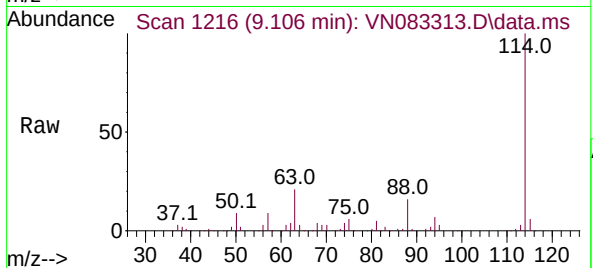




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

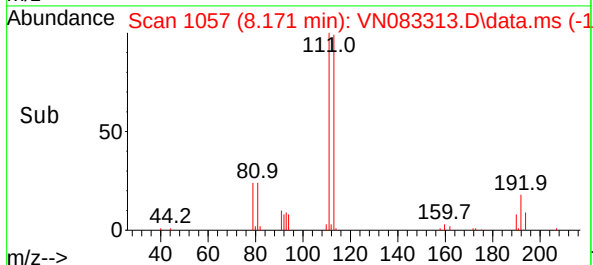
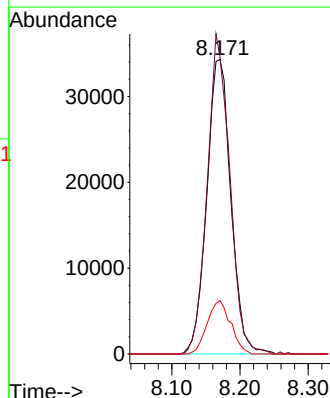
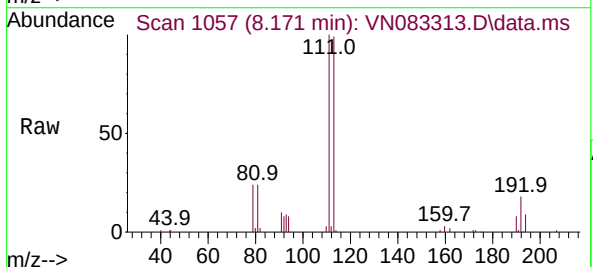
Instrument :
MSVOA_N
ClientSampleId :

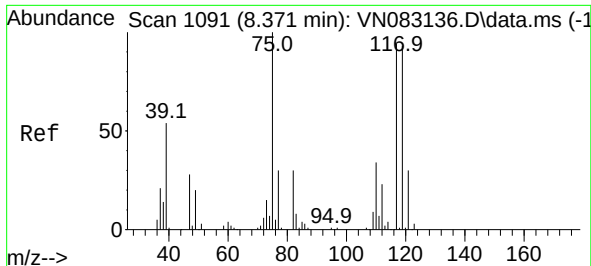
Tgt Ion:114 Resp: 254196
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.6
88 16.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.155 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

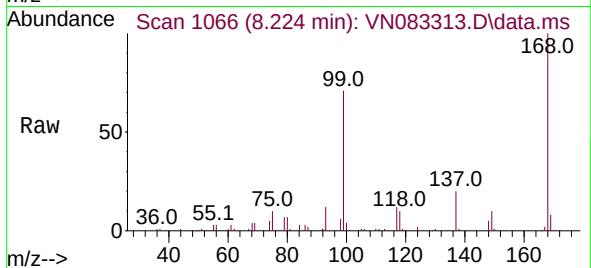
Tgt Ion:113 Resp: 84338
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 17.7 14.9 22.3



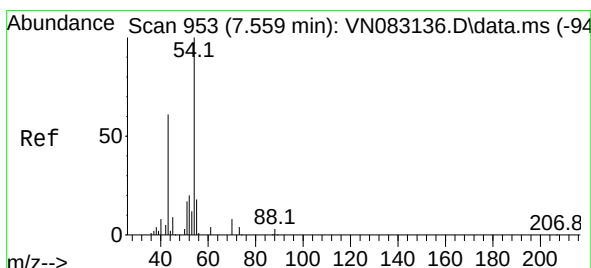
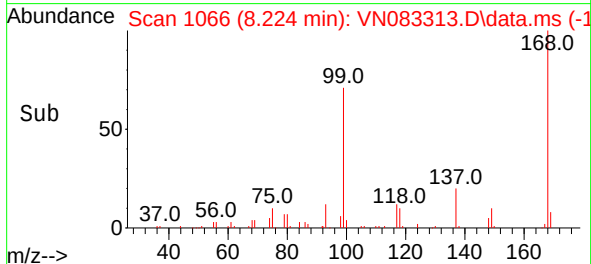
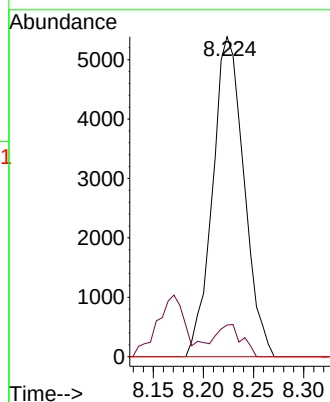


#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

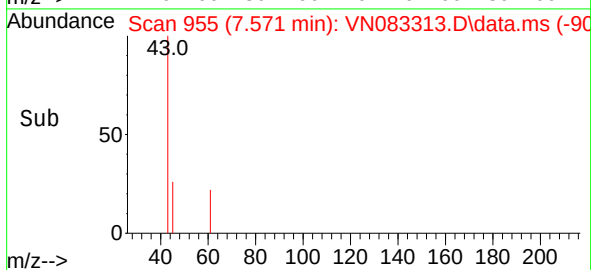
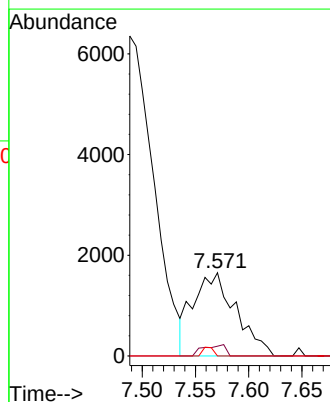
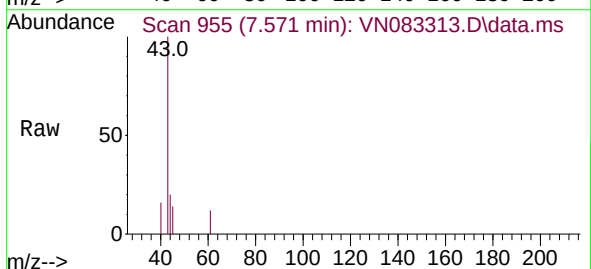


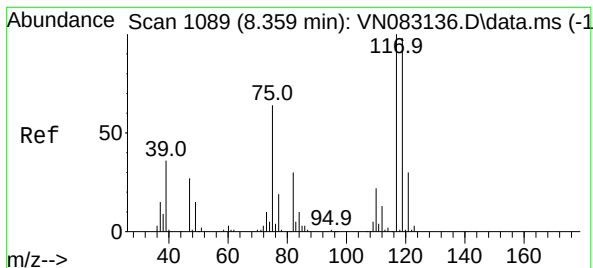
Tgt Ion: 75 Resp: 11725
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.711 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
61 7.0 9.3 13.9#
70 2.6 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.493 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

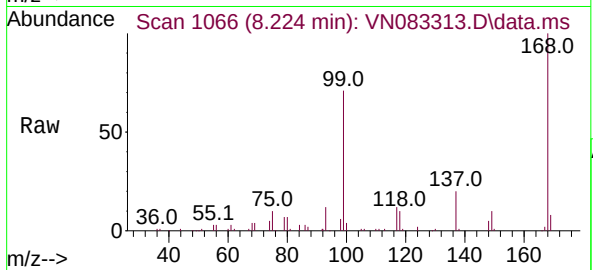
Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :



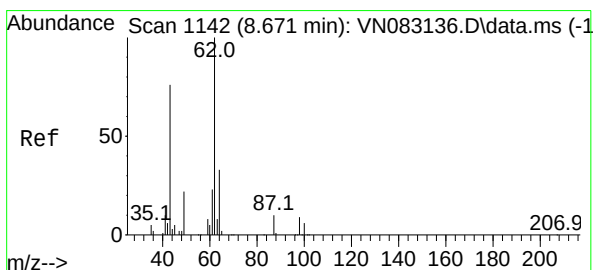
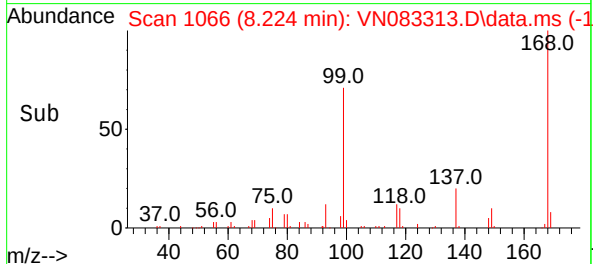
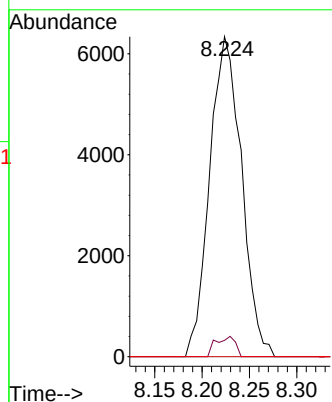
Tgt Ion:117 Resp: 14850

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.362 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083313.D

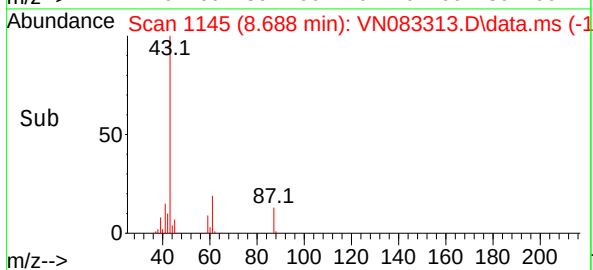
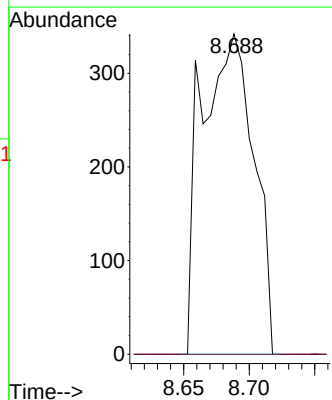
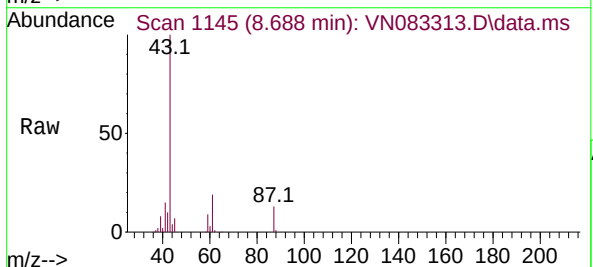
Acq: 14 Aug 2024 20:07

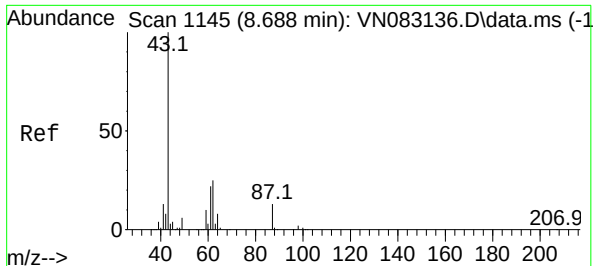
Tgt Ion: 62 Resp: 942

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 31.921 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

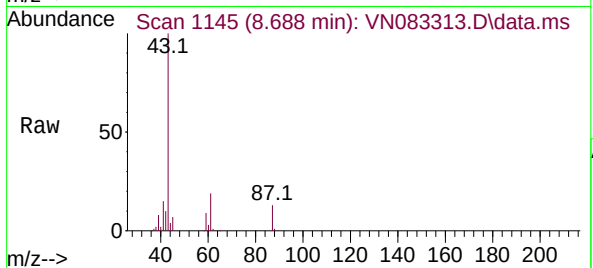
Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :



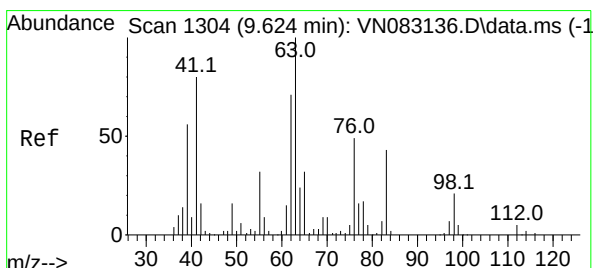
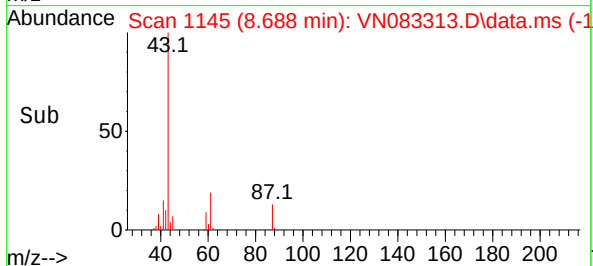
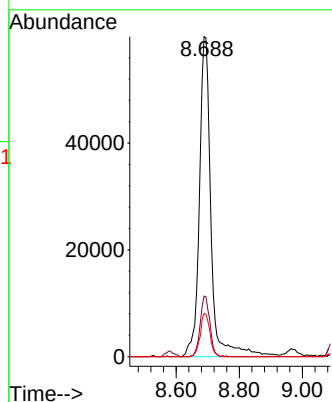
Tgt Ion: 43 Resp: 153377

Ion Ratio Lower Upper

43 100

61 15.6 17.8 26.6#

87 11.1 8.2 12.2



#45

1,2-Dichloropropane

Concen: 0.748 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN083313.D

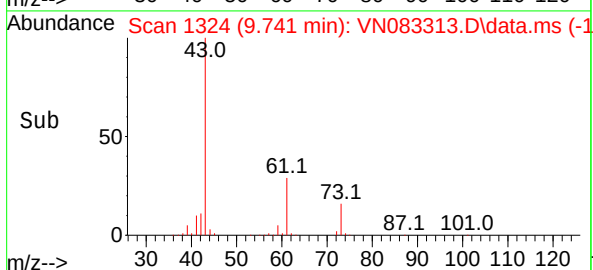
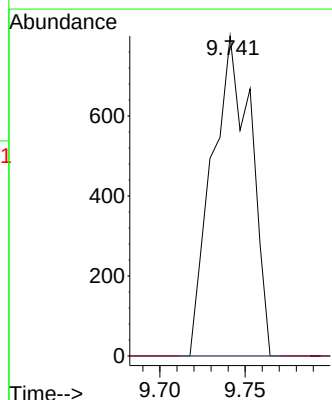
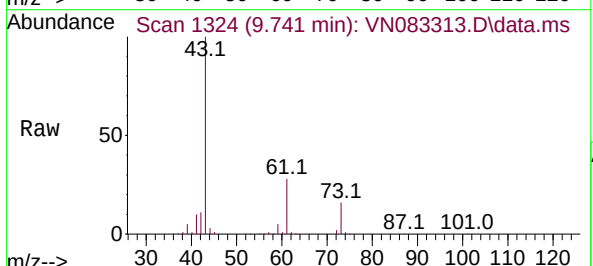
Acq: 14 Aug 2024 20:07

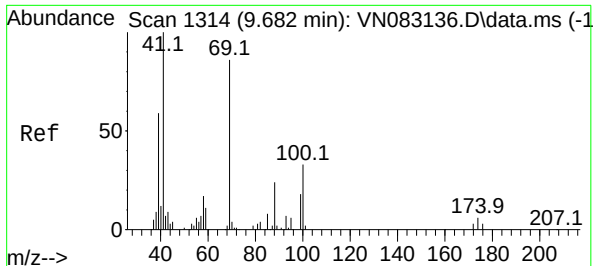
Tgt Ion: 63 Resp: 1269

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 2.124 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :

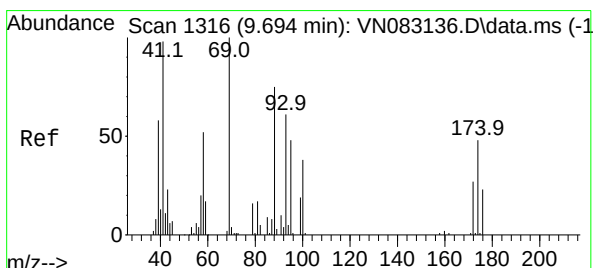
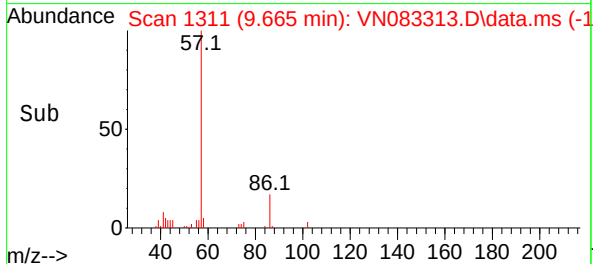
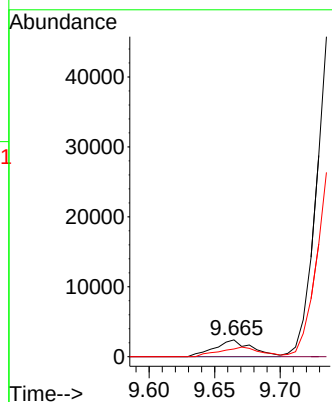
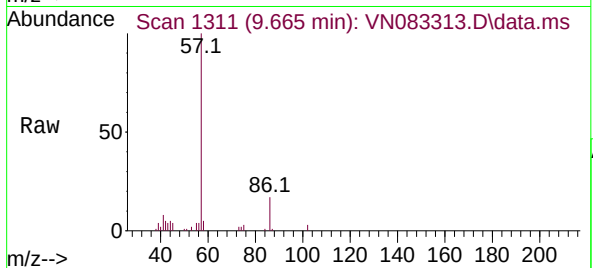
Tgt Ion: 41 Resp: 4719

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 62.4 50.3 75.5



#49

1,4-Dioxane

Concen: 1.397 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

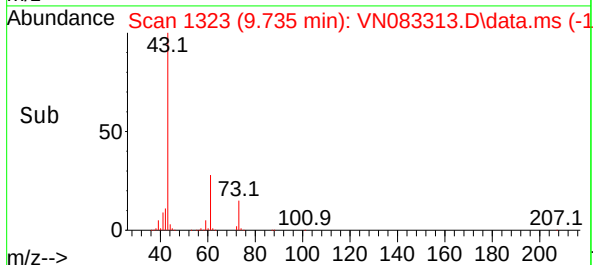
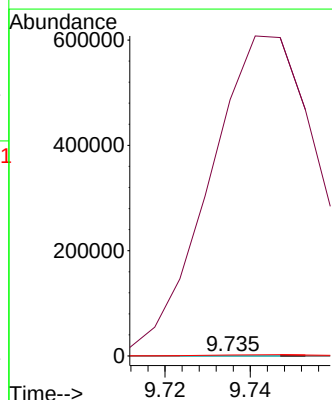
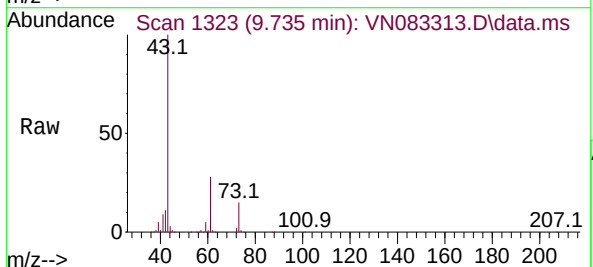
Tgt Ion: 88 Resp: 56

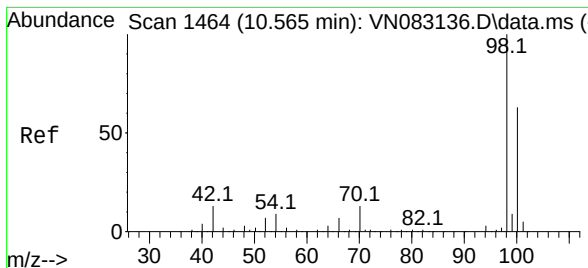
Ion Ratio Lower Upper

88 100

43 2027401.8 27.8 41.8#

58 8144.6 59.4 89.0#





#50

Toluene-d8

Concen: 53.985 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

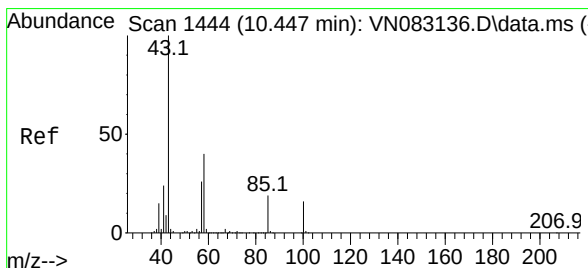
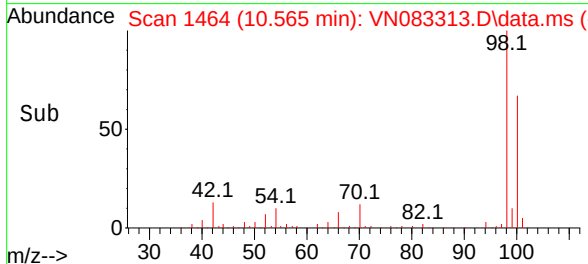
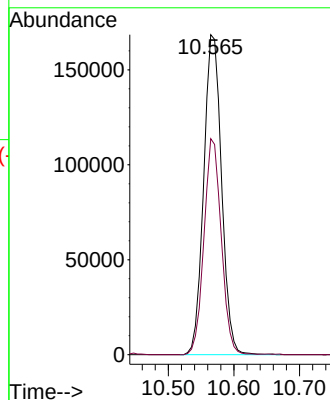
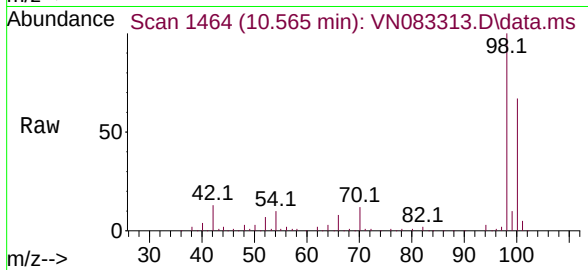
ClientSampleId :

Tgt Ion: 98 Resp: 319511

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 2.220 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN083313.D

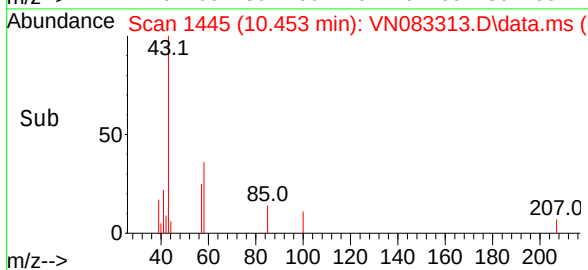
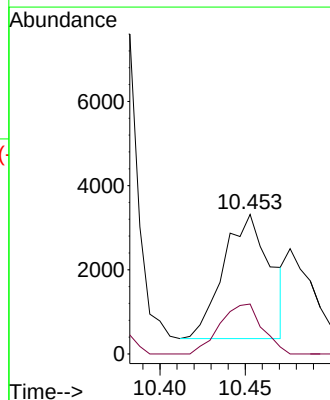
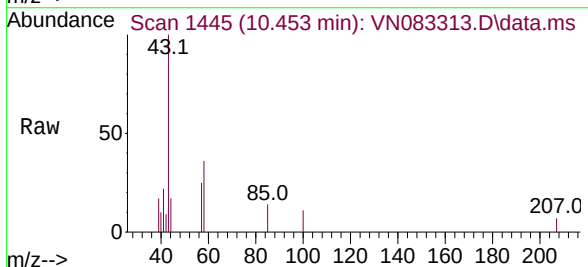
Acq: 14 Aug 2024 20:07

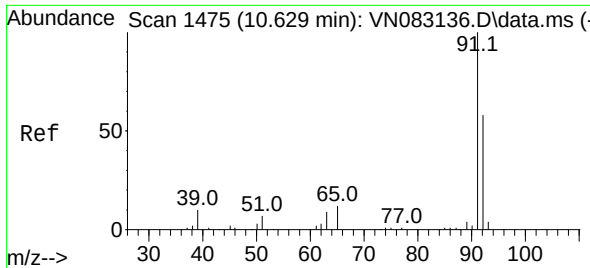
Tgt Ion: 43 Resp: 5642

Ion Ratio Lower Upper

43 100

58 36.4 28.2 42.4

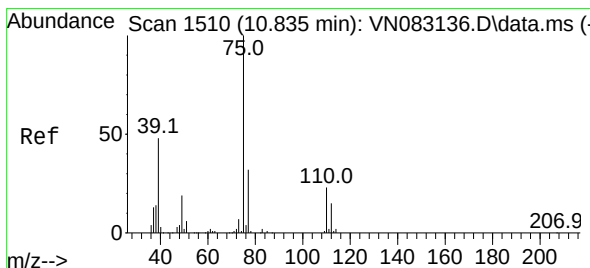
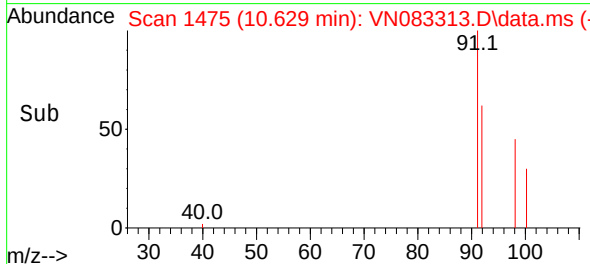
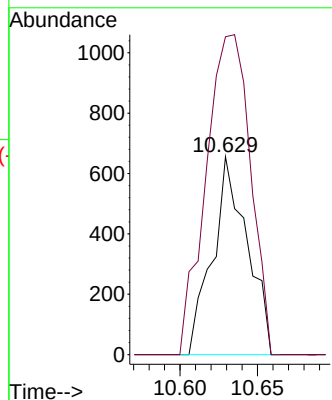
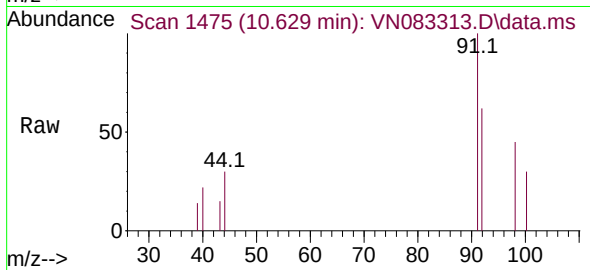




#52
Toluene
Concen: 0.226 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

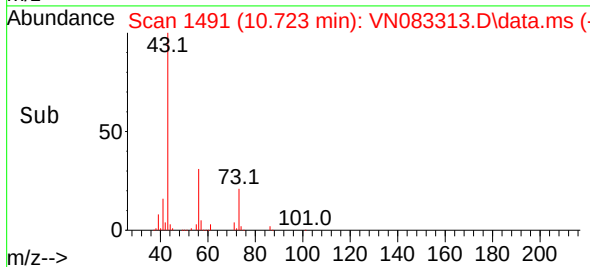
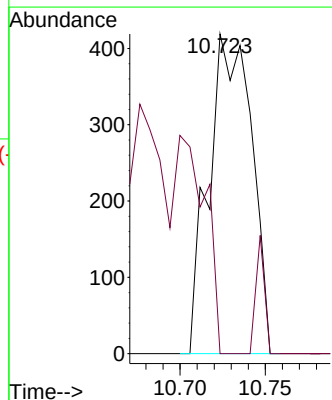
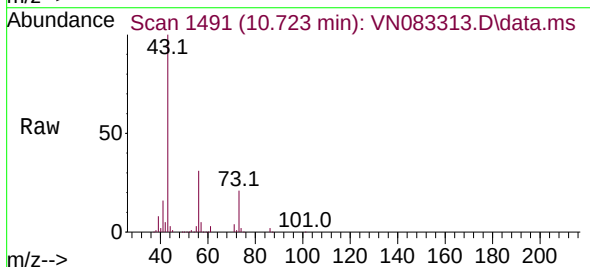
Instrument :
MSVOA_N
ClientSampleId :

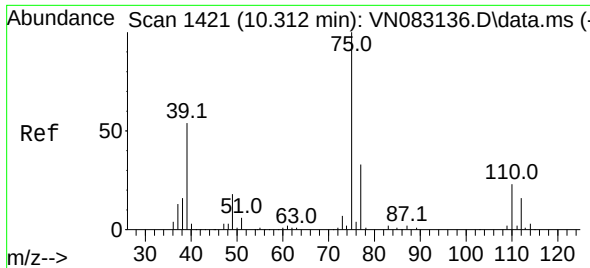
Tgt Ion: 92 Resp: 1021
Ion Ratio Lower Upper
92 100
91 207.4 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Tgt Ion: 75 Resp: 733
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

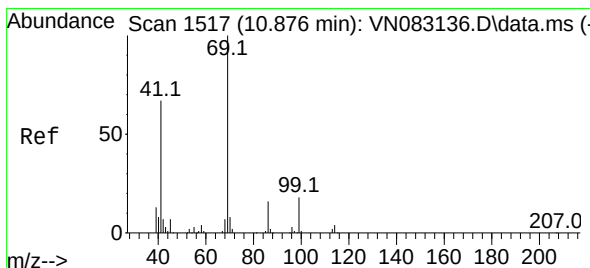
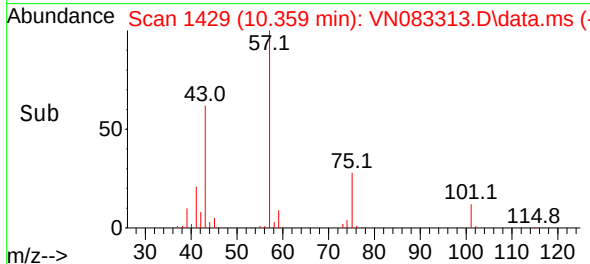
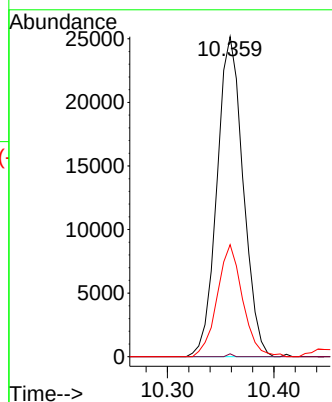
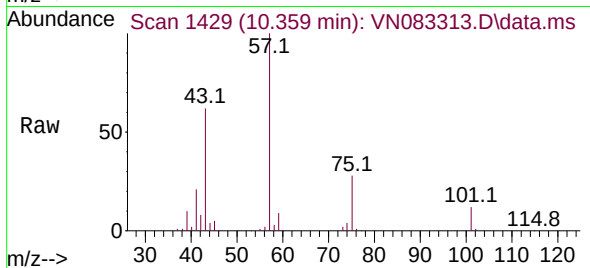




#54
 cis-1,3-Dichloropropene
 Concen: 14.380 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083313.D
 Acq: 14 Aug 2024 20:07

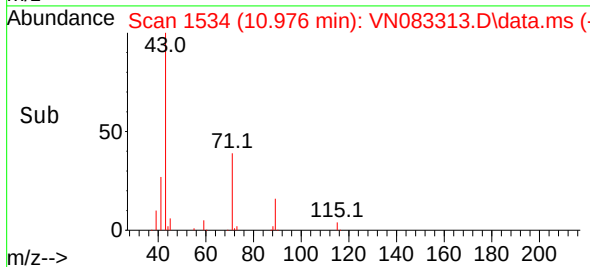
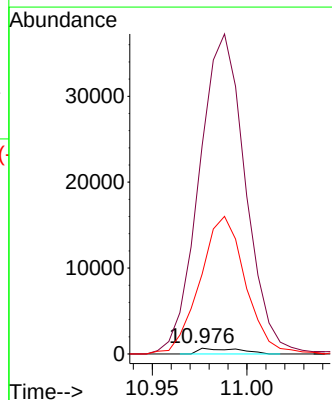
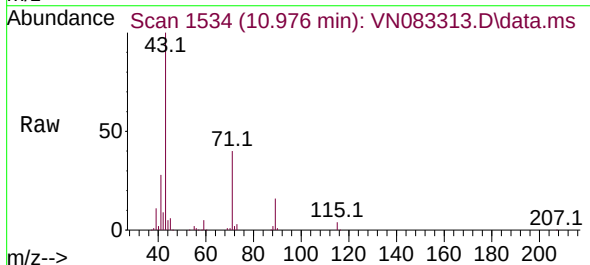
Instrument :
 MSVOA_N
 ClientSampleId :

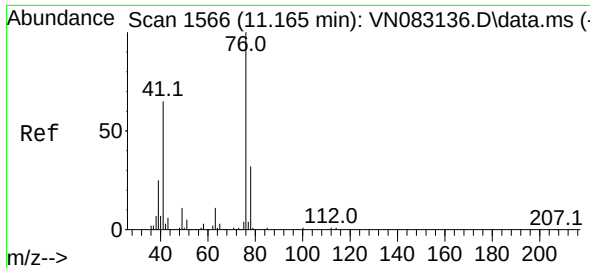
Tgt Ion: 75 Resp: 42856
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 35.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.326 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN083313.D
 Acq: 14 Aug 2024 20:07

Tgt Ion: 69 Resp: 994
 Ion Ratio Lower Upper
 69 100
 41 6390.5 63.4 95.2#
 39 2698.2 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.843 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

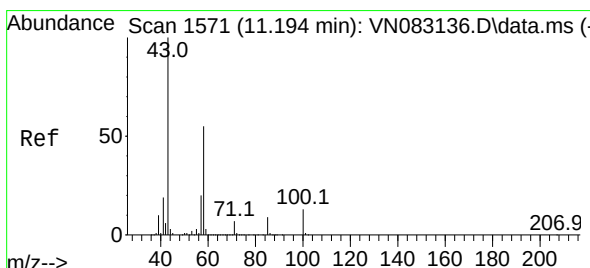
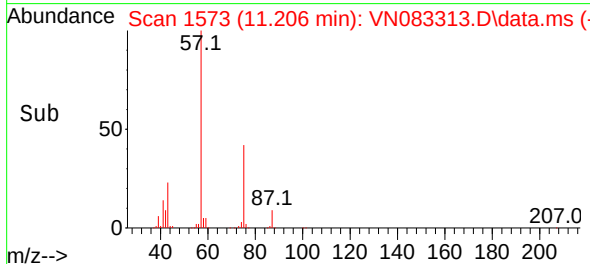
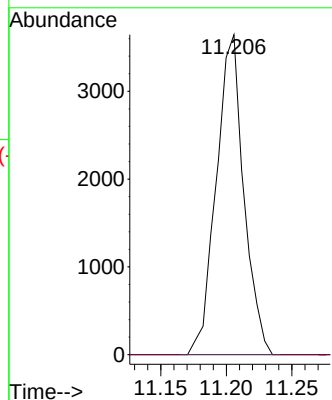
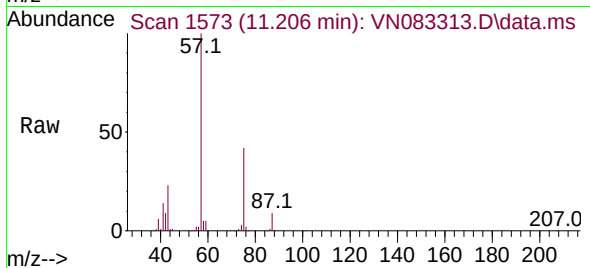
ClientSampleId :

Tgt Ion: 76 Resp: 5318

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.682 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083313.D

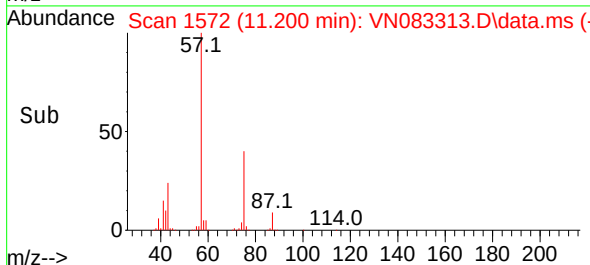
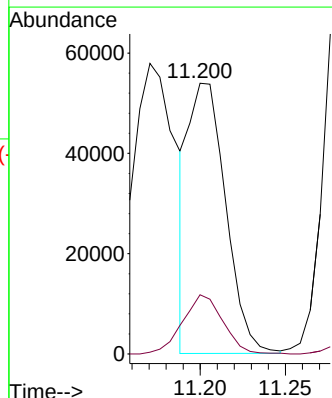
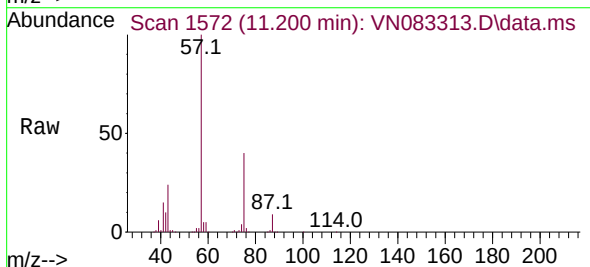
Acq: 14 Aug 2024 20:07

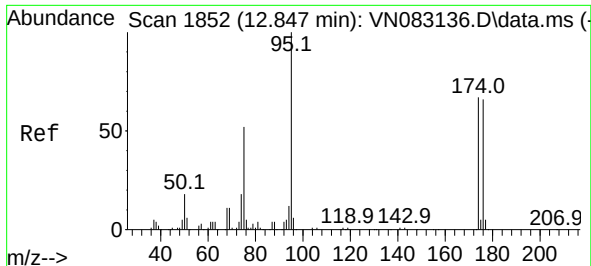
Tgt Ion: 43 Resp: 81948

Ion Ratio Lower Upper

43 100

58 23.8 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 57.922 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :

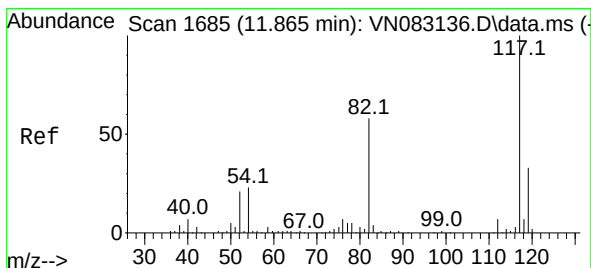
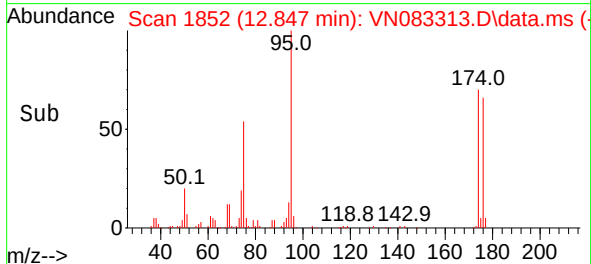
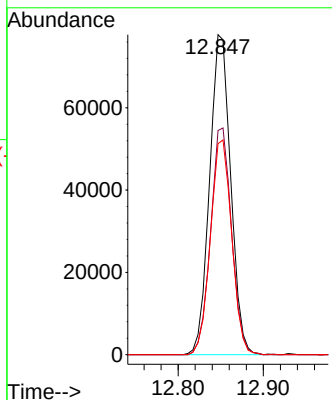
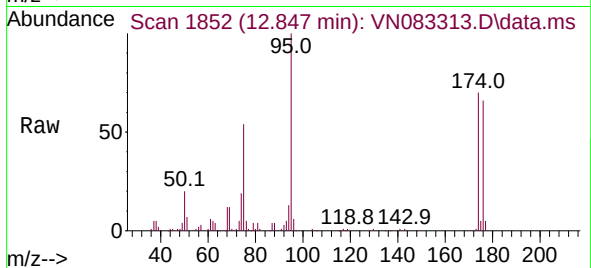
Tgt Ion: 95 Resp: 133649

Ion Ratio Lower Upper

95 100

174 70.5 0.0 159.2

176 67.6 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN083313.D

Acq: 14 Aug 2024 20:07

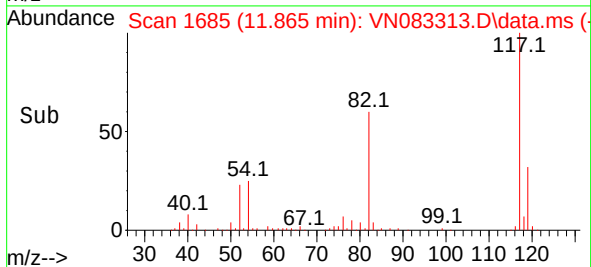
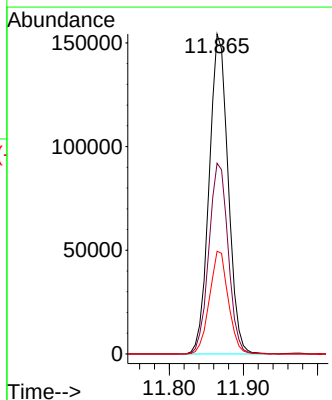
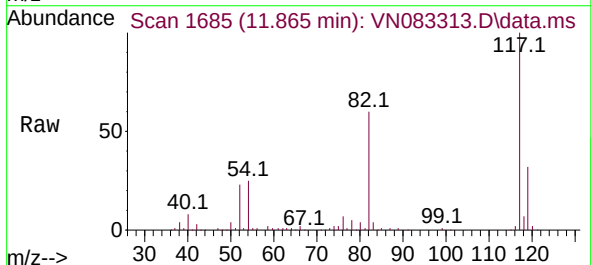
Tgt Ion: 117 Resp: 274194

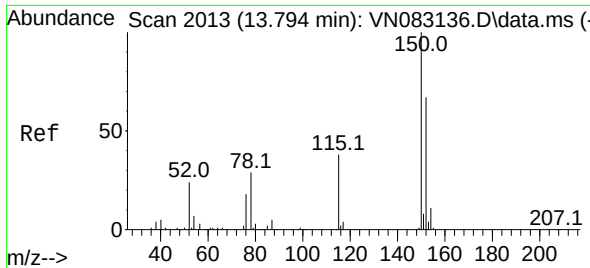
Ion Ratio Lower Upper

117 100

82 59.6 47.5 71.3

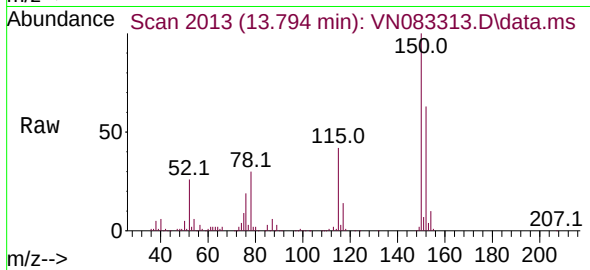
119 32.1 25.6 38.4



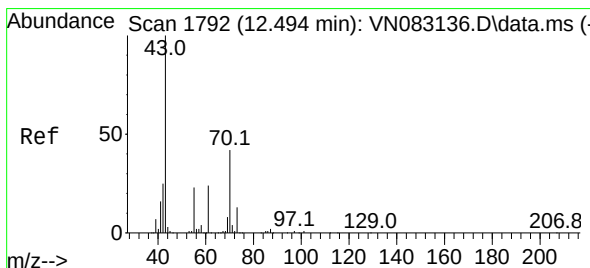
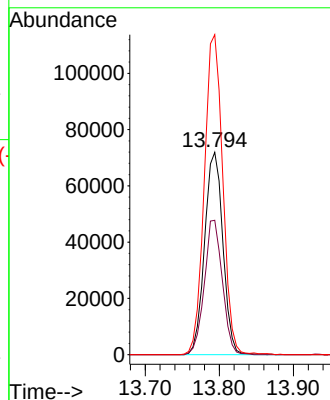
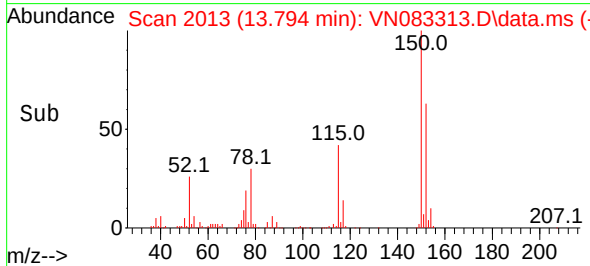


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

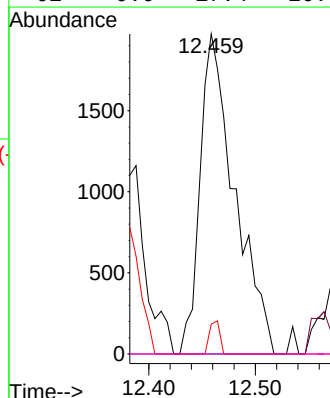
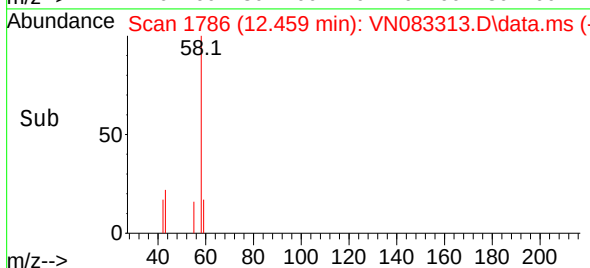
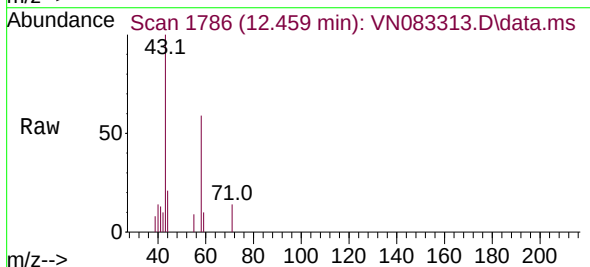


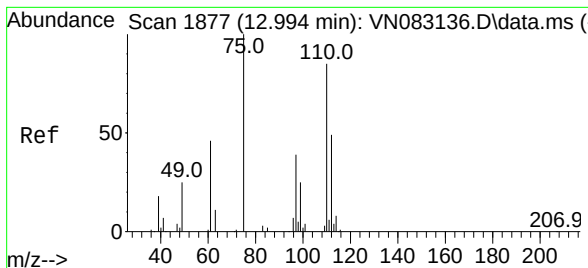
Tgt Ion:152 Resp: 123345
Ion Ratio Lower Upper
152 100
115 65.3 30.6 91.6
150 159.3 0.0 348.6



#74
N-ethyl acetate
Concen: 0.884 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 3.1 18.7 28.1#
61 0.0 17.4 26.0#

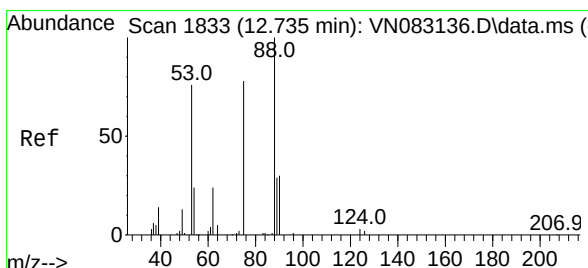
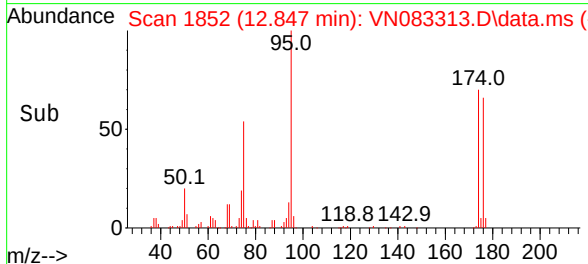
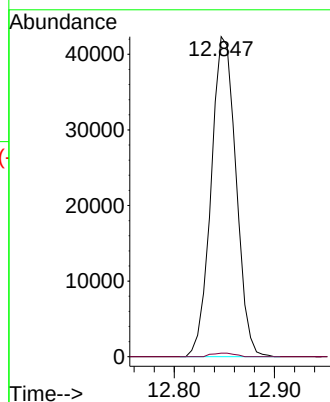
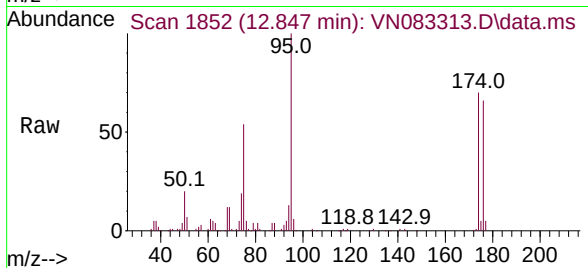




#76
1,2,3-Trichloropropane
Concen: 26.997 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73085
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.726 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083313.D
Acq: 14 Aug 2024 20:07

Tgt Ion: 75 Resp: 73085
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

