

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083726.D
 Acq On : 09 Sep 2024 19:00
 Operator : JC\MD
 Sample : P3827-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:15:44 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)

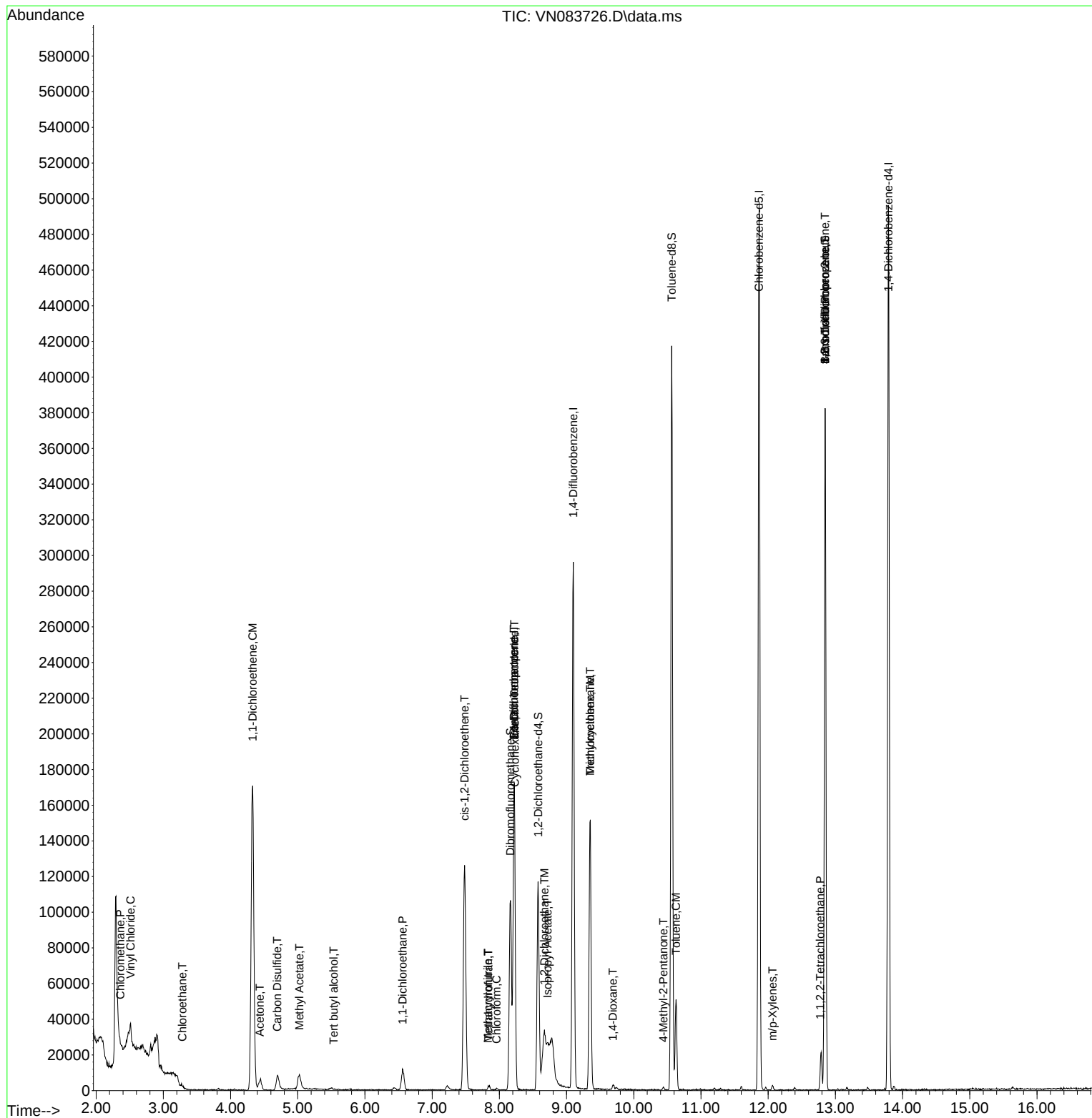
Internal Standards						
1) Pentafluorobenzene	8.218	168	117055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97248	59.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.880%			
35) Dibromofluoromethane	8.165	113	78190	52.646	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.300%			
50) Toluene-d8	10.565	98	278106	48.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.160%			
62) 4-Bromofluorobenzene	12.847	95	130410	60.868	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 121.740%#			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	887	0.615	ug/l #	41
4) Vinyl Chloride	2.512	62	5848	4.049	ug/l #	26
6) Chloroethane	3.283	64	231	0.245	ug/l #	45
11) Tert butyl alcohol	5.536	59	201	0.788	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	96732	75.433	ug/l	90
16) Acetone	4.436	43	1251	1.918	ug/l #	45
17) Carbon Disulfide	4.695	76	19149	5.124	ug/l #	94
18) Methyl Acetate	5.024	43	17392	10.024	ug/l	98
24) 1,1-Dichloroethane	6.559	63	17029	6.624	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	72736	45.633	ug/l	89
29) Tetrahydrofuran	7.836	42	1667	3.026	ug/l #	32
30) Chloroform	7.959	83	953	0.352	ug/l	95
31) Cyclohexane	8.230	56	3356	1.326	ug/l #	48
36) 1,1-Dichloropropene	8.218	75	10354	4.570	ug/l #	50
38) Carbon Tetrachloride	8.224	117	13280	5.138	ug/l #	18
39) Methylcyclohexane	9.353	83	691	0.254	ug/l #	1
41) Methacrylonitrile	7.830	41	500	0.389	ug/l #	37
42) 1,2-Dichloroethane	8.671	62	9618	3.723	ug/l	97
43) Isopropyl Acetate	8.718	43	59324	12.220	ug/l #	57
44) Trichloroethene	9.353	130	52661	31.413	ug/l	92
49) 1,4-Dioxane	9.688	88	2051	67.687	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	1458	0.696	ug/l #	80
52) Toluene	10.629	92	21511	4.935	ug/l	96
68) m/p-Xylenes	12.065	106	1063	0.262	ug/l	89
71) Bromoform	12.847	173	344	0.237	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.776	83	752	0.258	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	73316	28.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73316	67.608	ug/l #	9

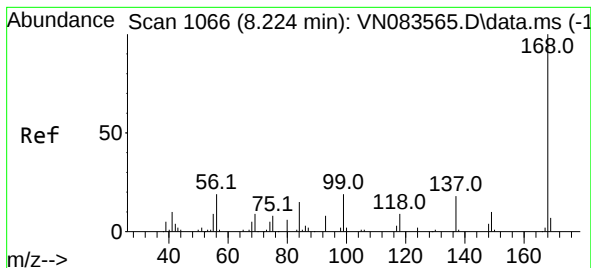
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration

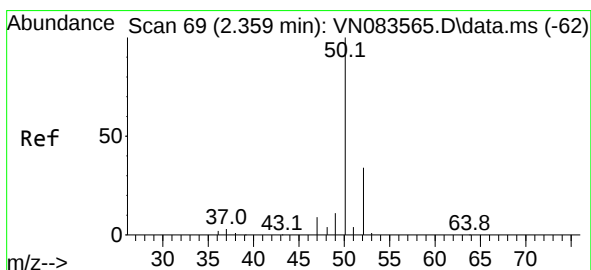
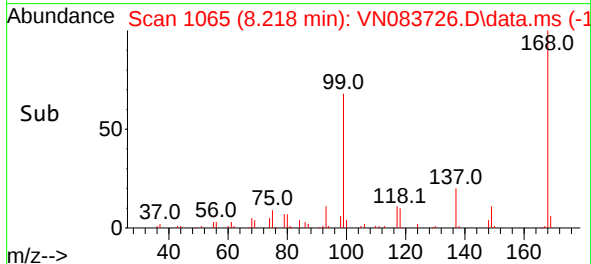
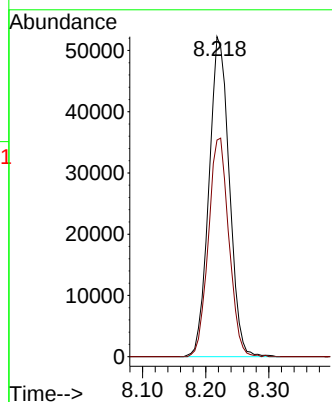
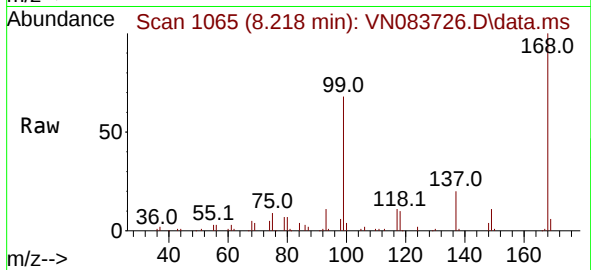




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

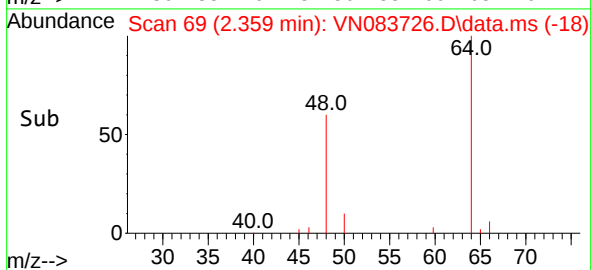
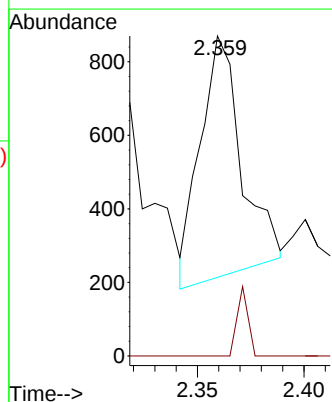
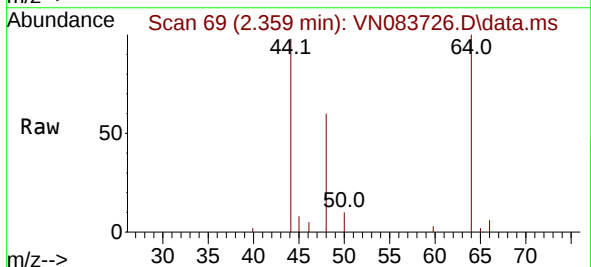
Instrument :
MSVOA_N
ClientSampleId :

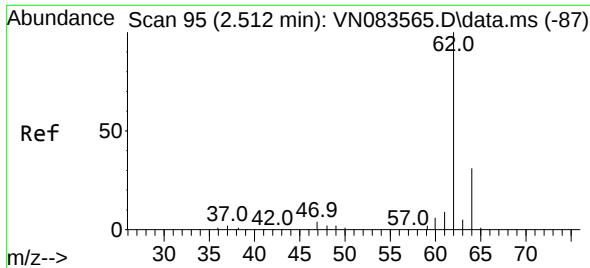
Tgt Ion:168 Resp: 117055
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#3
Chloromethane
Concen: 0.615 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

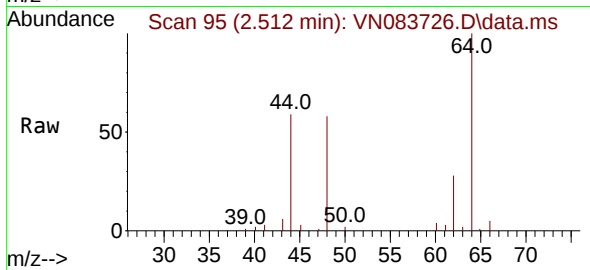
Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



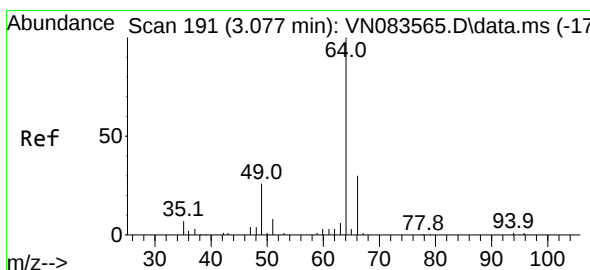
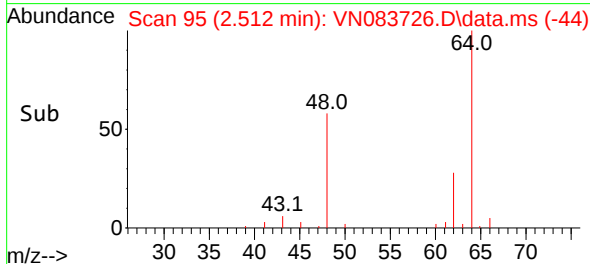
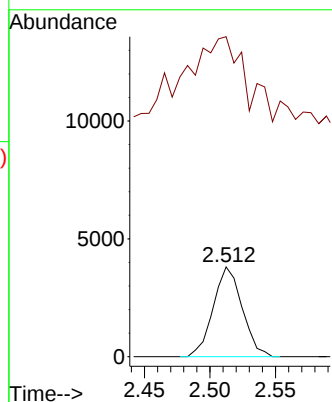


#4
 Vinyl Chloride
 Concen: 4.049 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN083726.D
 Acq: 09 Sep 2024 19:00

Instrument :
 MSVOA_N
 ClientSampleId :

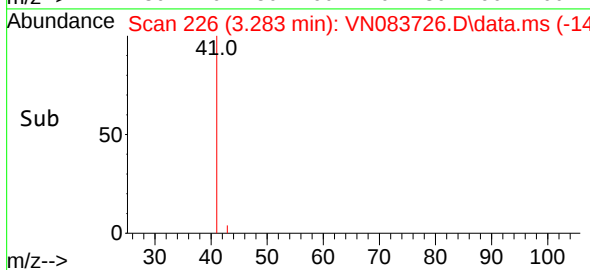
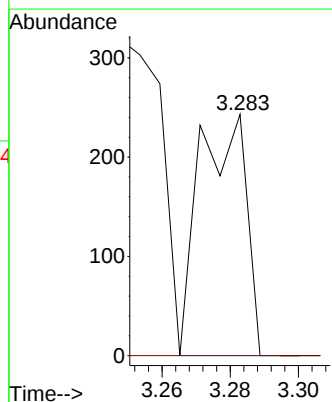
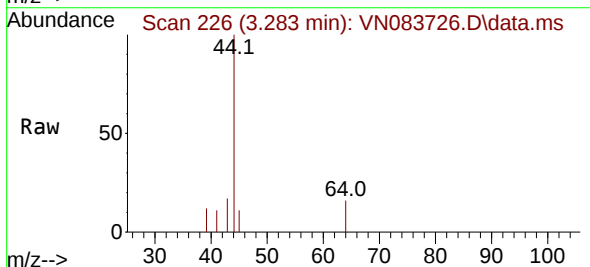


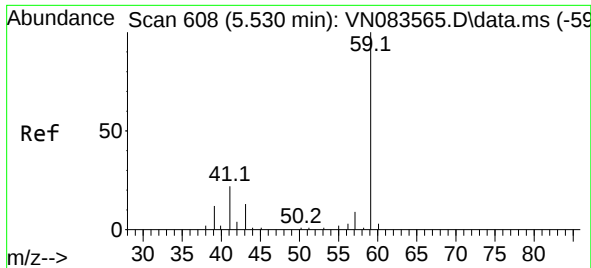
Tgt Ion: 62 Resp: 5848
 Ion Ratio Lower Upper
 62 100
 64 71.5 24.7 37.1#



#6
 Chloroethane
 Concen: 0.245 ug/l
 RT: 3.283 min Scan# 226
 Delta R.T. 0.206 min
 Lab File: VN083726.D
 Acq: 09 Sep 2024 19:00

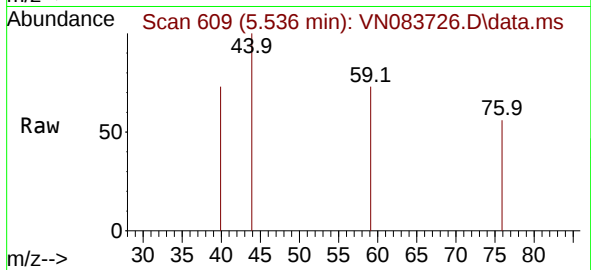
Tgt Ion: 64 Resp: 231
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.9 35.9#



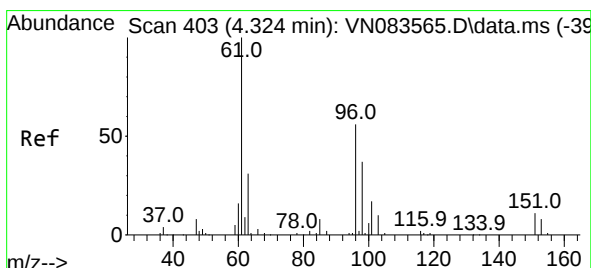
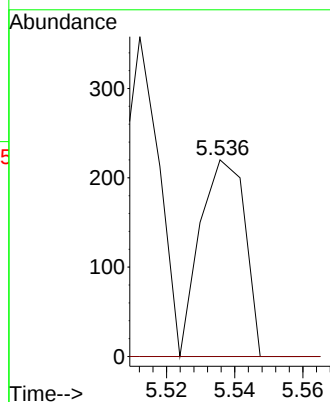
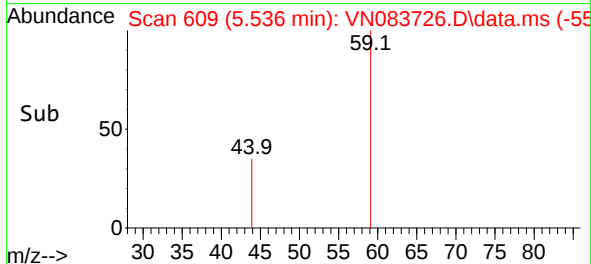


#11
Tert butyl alcohol
Concen: 0.788 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

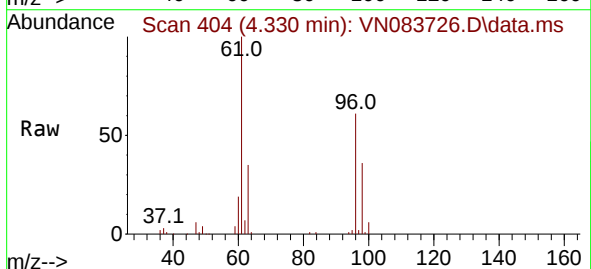
Instrument :
MSVOA_N
ClientSampleId :



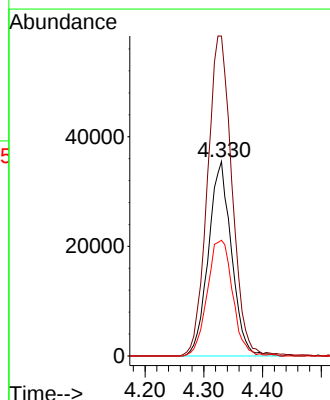
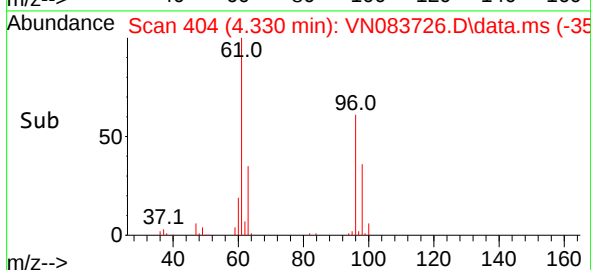
Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

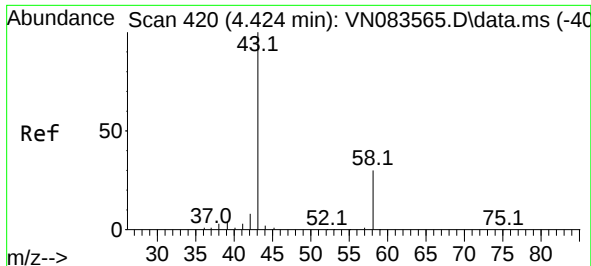


#12
1,1-Dichloroethene
Concen: 75.433 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00



Tgt Ion: 96 Resp: 96732
Ion Ratio Lower Upper
96 100
61 164.5 143.4 215.0
98 59.5 52.7 79.1

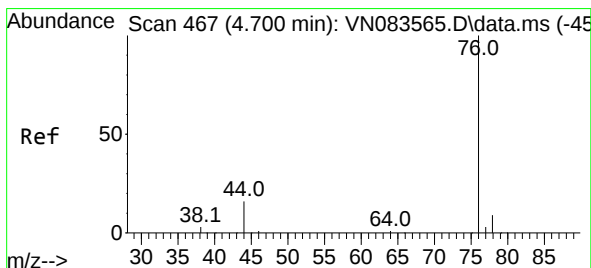
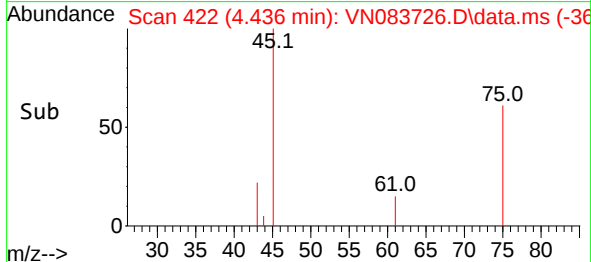
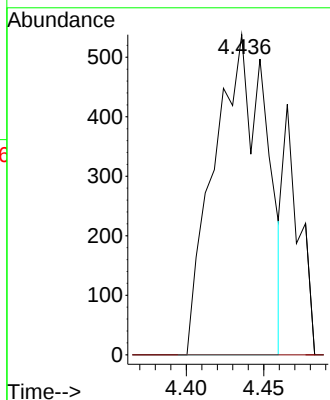
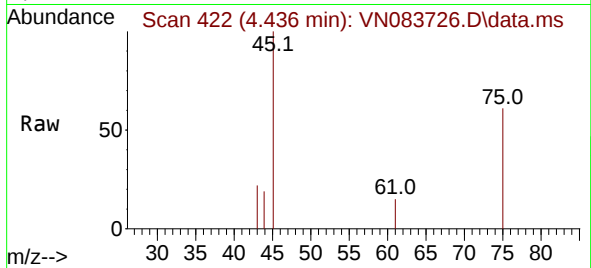




#16
Acetone
Concen: 1.918 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

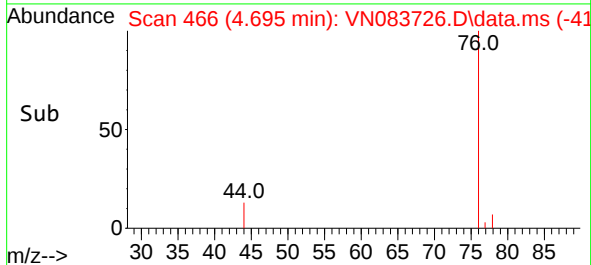
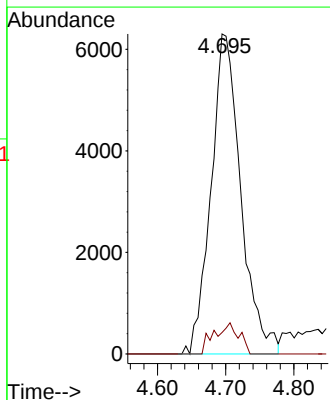
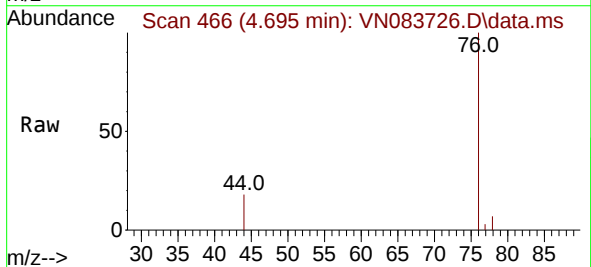
Instrument :
MSVOA_N
ClientSampleId :

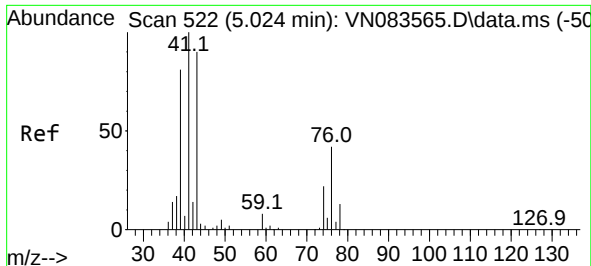
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#17
Carbon Disulfide
Concen: 5.124 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

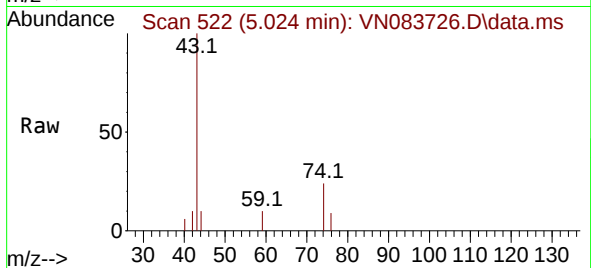
Tgt Ion: 76 Resp: 19149
Ion Ratio Lower Upper
76 100
78 6.7 7.1 10.7#



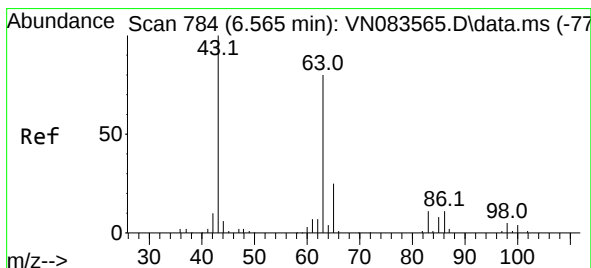
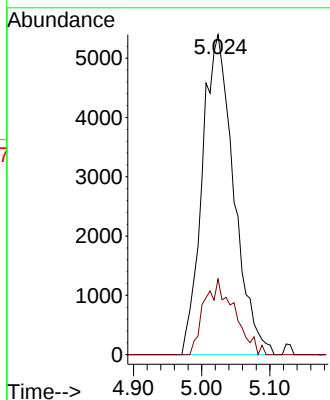
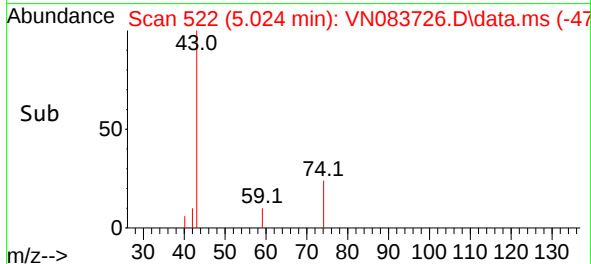


#18
Methyl Acetate
Concen: 10.024 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

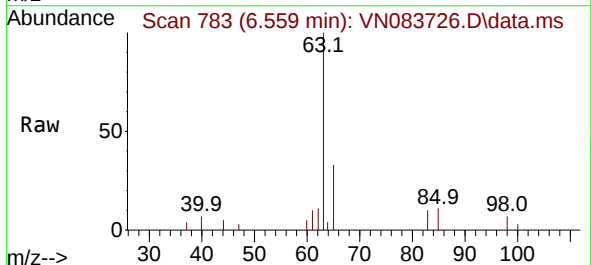
Instrument :
MSVOA_N
ClientSampleId :



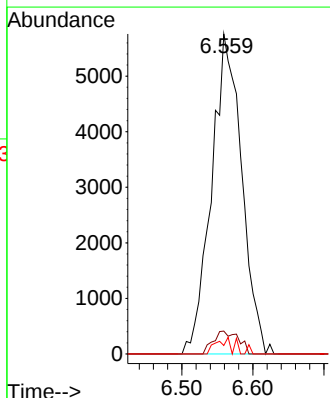
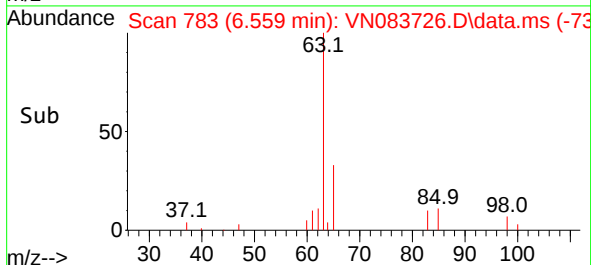
Tgt Ion: 43 Resp: 17392
Ion Ratio Lower Upper
43 100
74 22.7 19.0 28.4

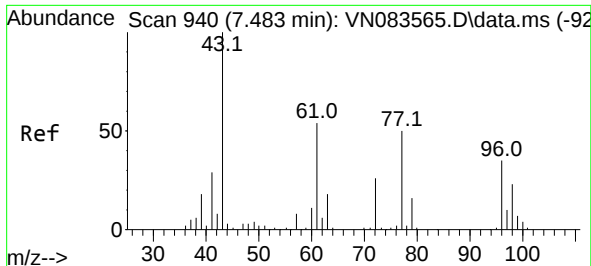


#24
1,1-Dichloroethane
Concen: 6.624 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00



Tgt Ion: 63 Resp: 17029
Ion Ratio Lower Upper
63 100
98 7.2 3.5 10.4
100 2.7 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 45.633 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

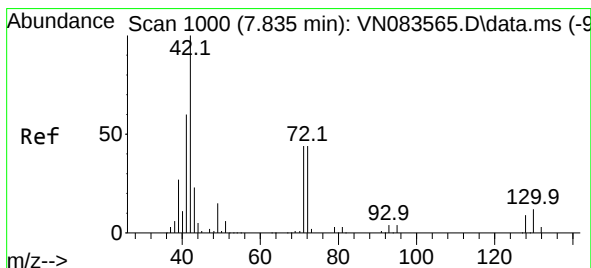
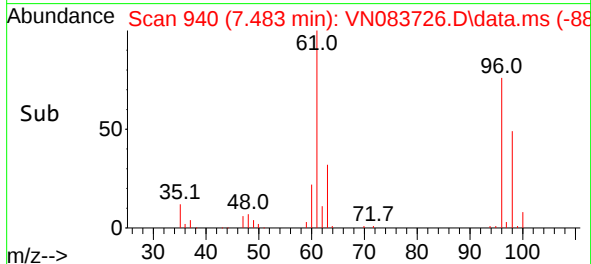
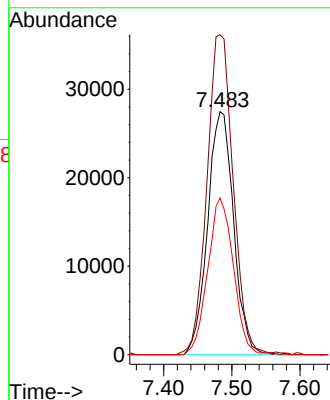
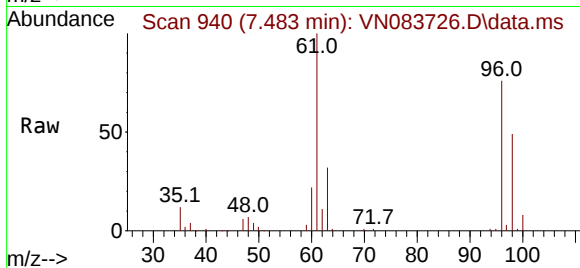
Tgt Ion: 96 Resp: 72736

Ion Ratio Lower Upper

96 100

61 133.2 0.0 306.2

98 63.7 0.0 128.6



#29

Tetrahydrofuran

Concen: 3.026 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

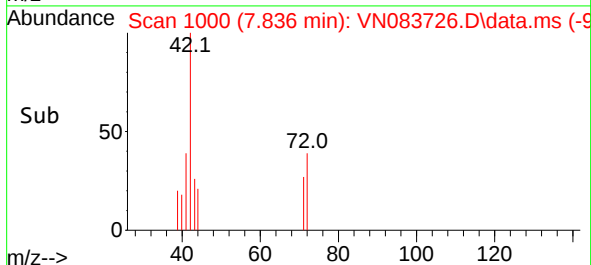
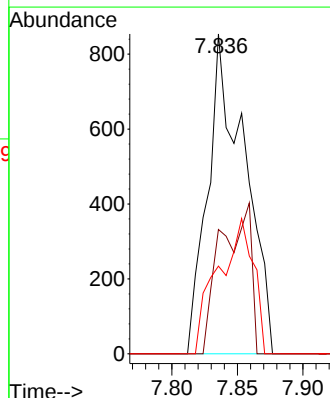
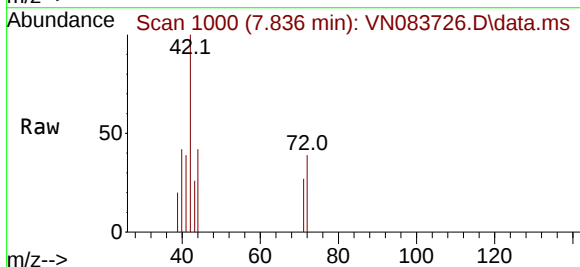
Tgt Ion: 42 Resp: 1667

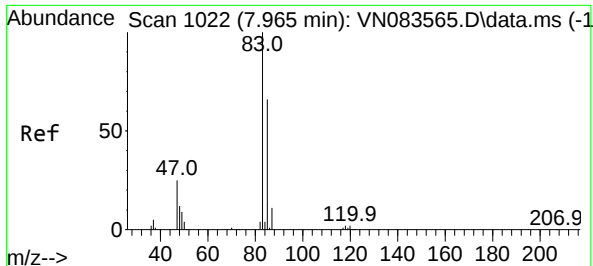
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#





#30

Chloroform

Concen: 0.352 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

Instrument :

MSVOA_N

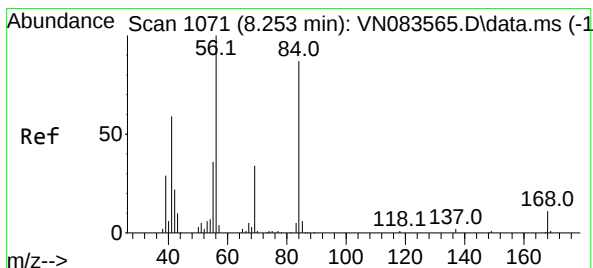
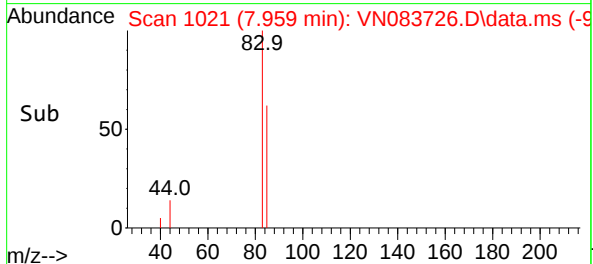
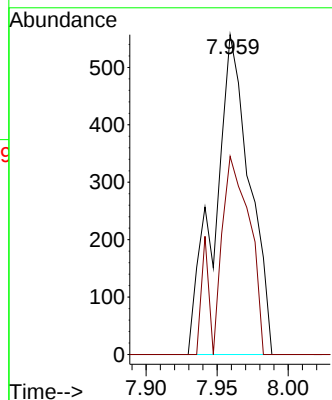
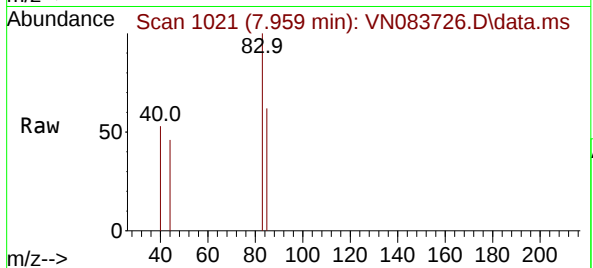
ClientSampleId :

Tgt Ion: 83 Resp: 953

Ion Ratio Lower Upper

83 100

85 61.9 52.8 79.2



#31

Cyclohexane

Concen: 1.326 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.023 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

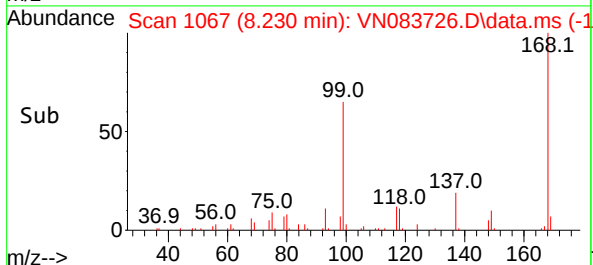
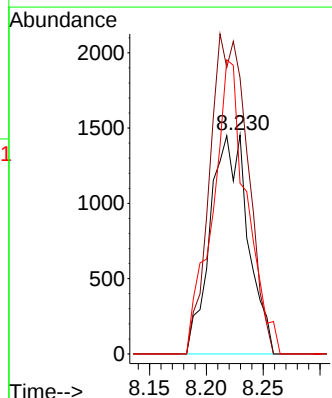
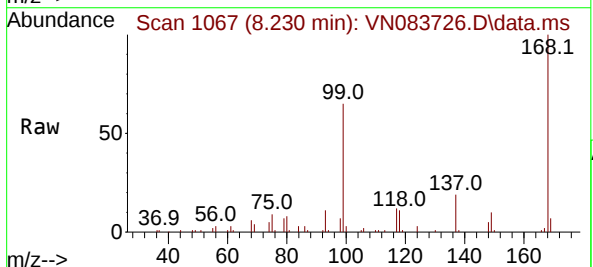
Tgt Ion: 56 Resp: 3356

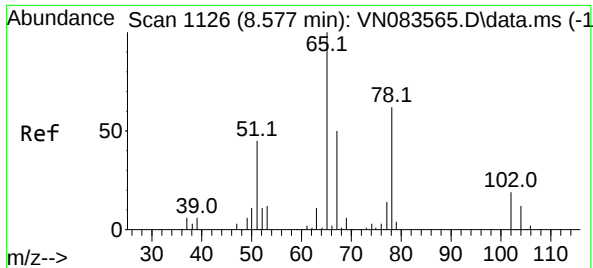
Ion Ratio Lower Upper

56 100

69 126.2 26.9 40.3#

84 78.0 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 59.444 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

Instrument :

MSVOA_N

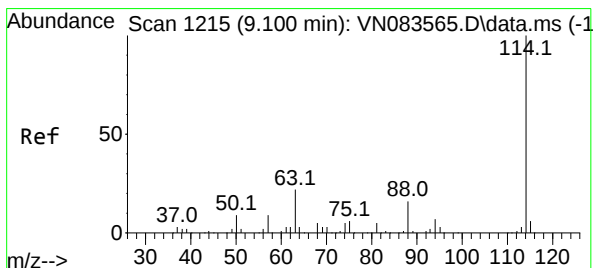
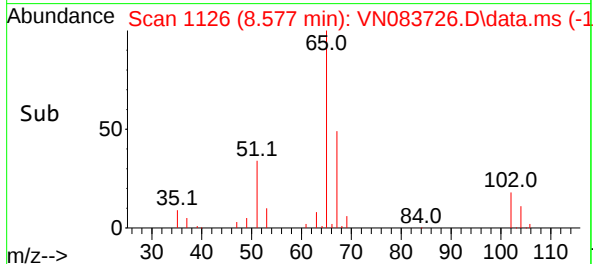
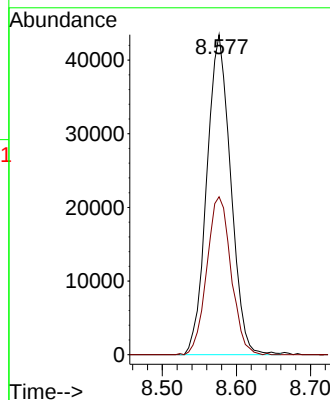
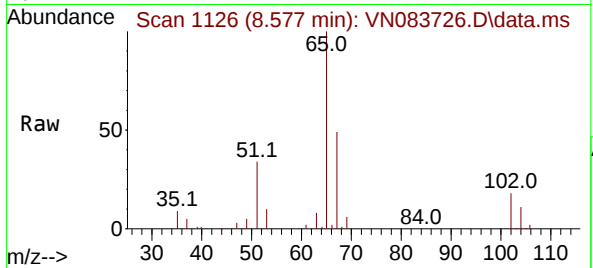
ClientSampleId :

Tgt Ion: 65 Resp: 97248

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

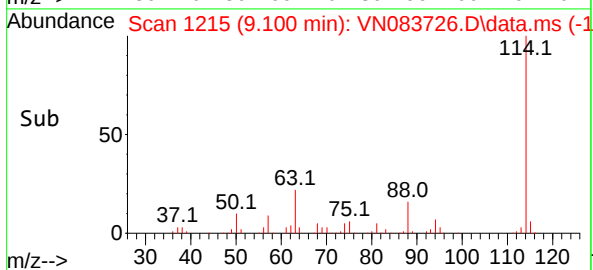
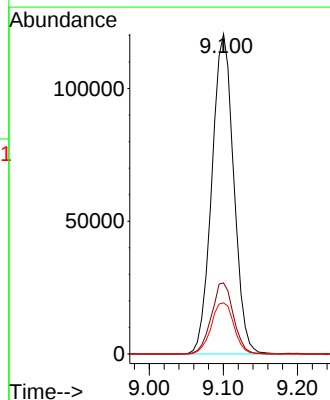
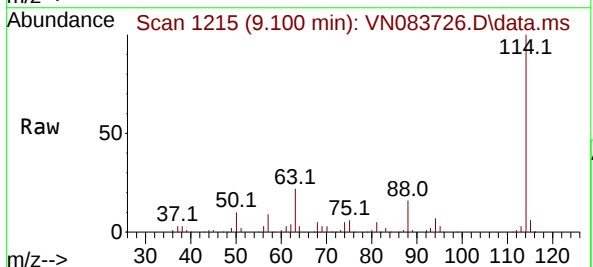
Tgt Ion: 114 Resp: 246762

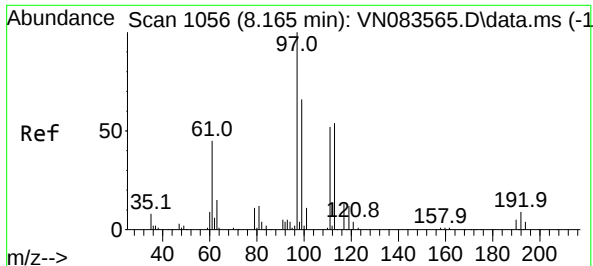
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 15.9 0.0 32.6

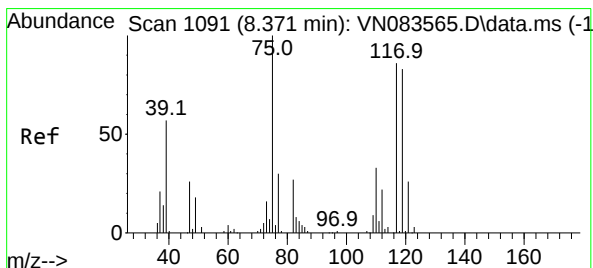
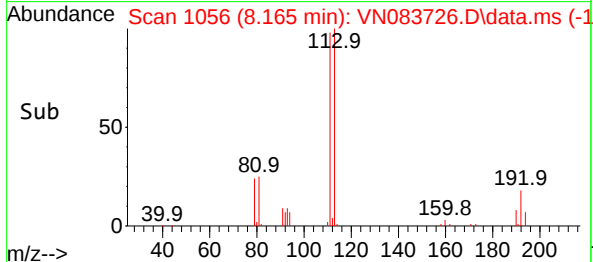
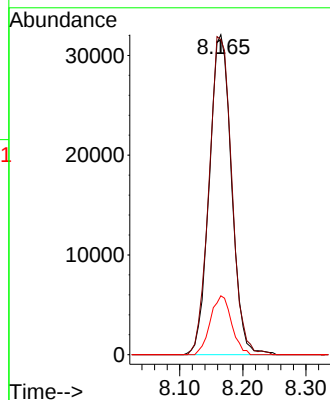
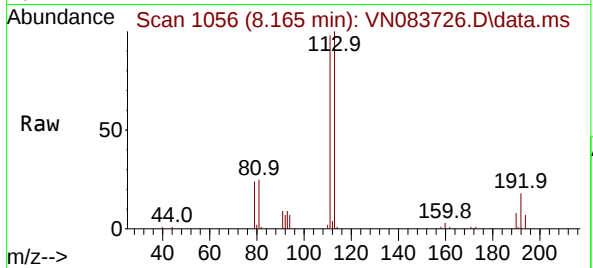




#35
Dibromofluoromethane
Concen: 52.646 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

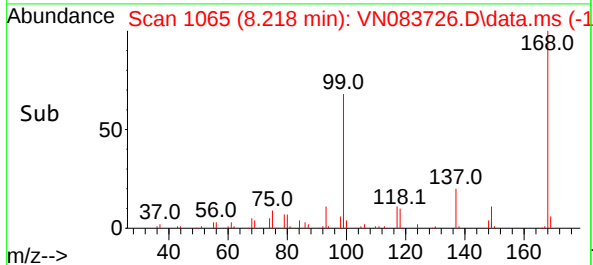
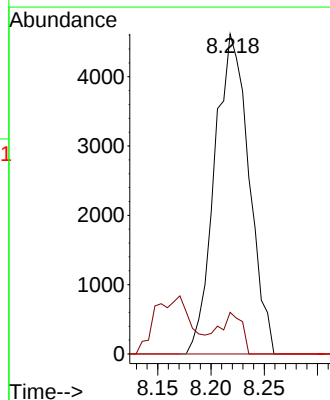
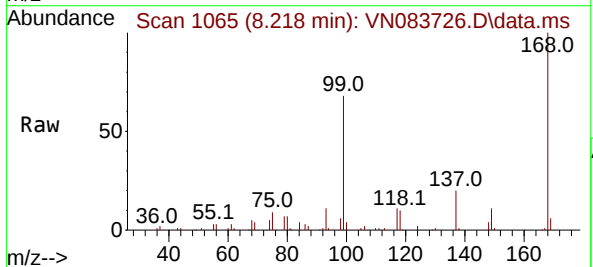
Instrument :
MSVOA_N
ClientSampleId :

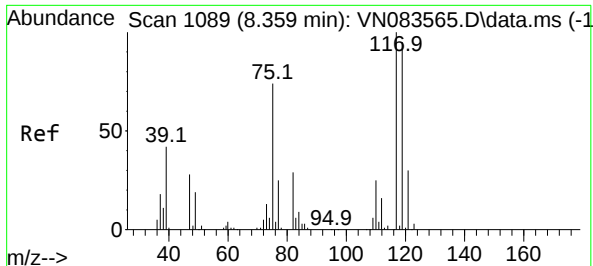
Tgt Ion:113 Resp: 78190
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 17.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.570 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

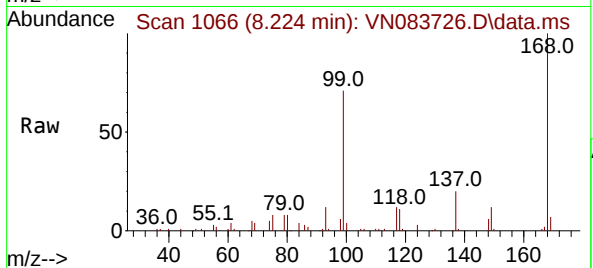
Tgt Ion: 75 Resp: 10354
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.1#
77 0.0 25.2 37.8#



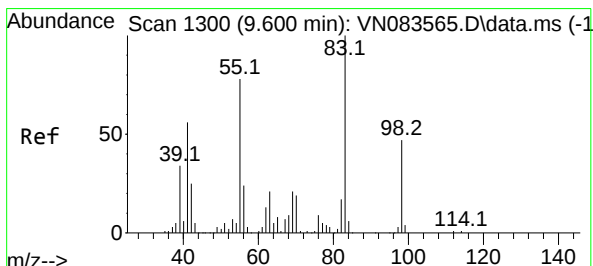
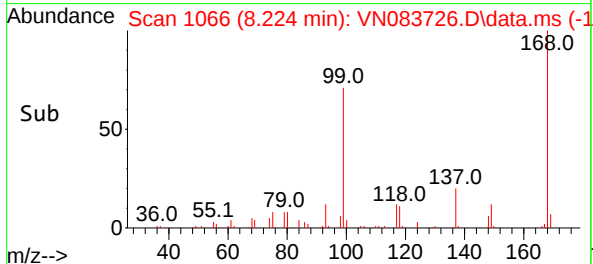
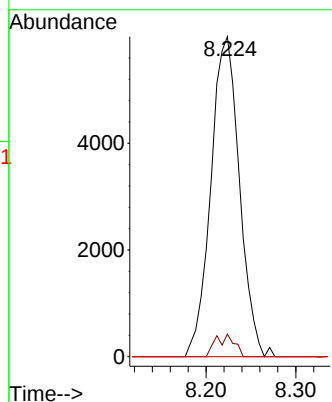


#38
Carbon Tetrachloride
Concen: 5.138 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

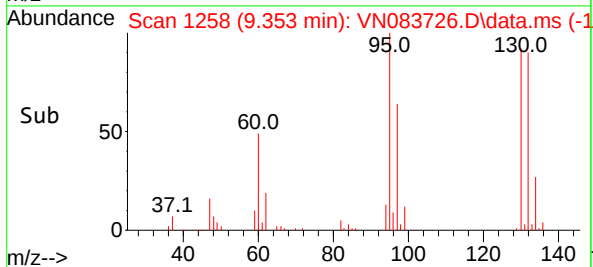
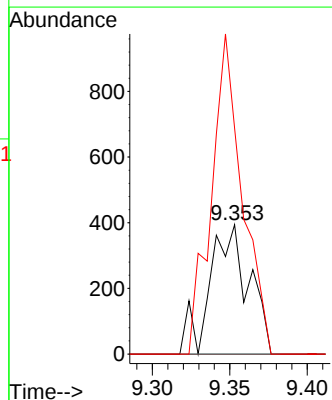
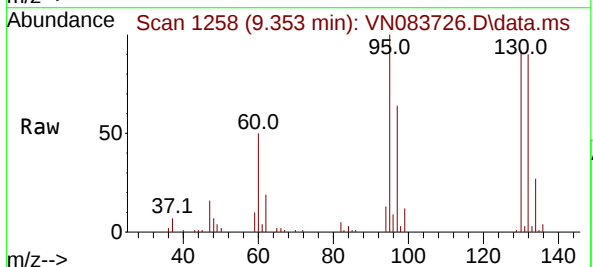


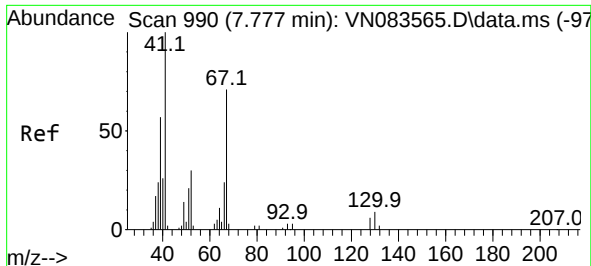
Tgt Ion:117 Resp: 13280
Ion Ratio Lower Upper
117 100
119 7.0 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.254 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

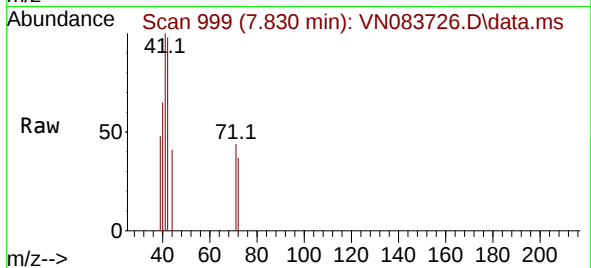
Tgt Ion: 83 Resp: 691
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 174.6 37.6 56.4#



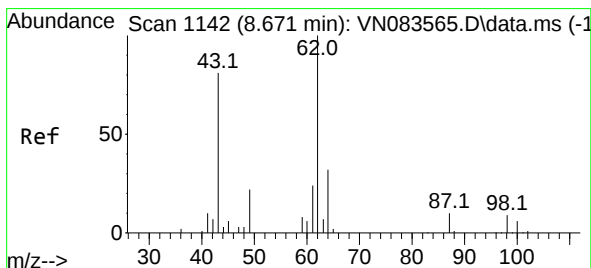
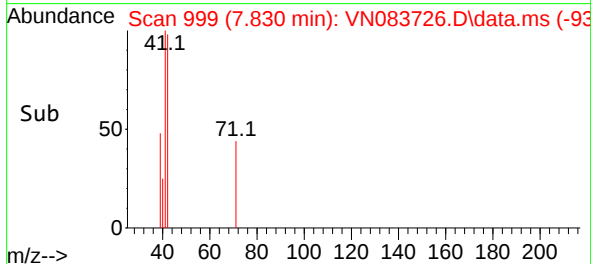
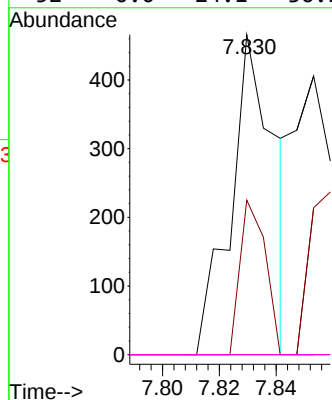


#41
Methacrylonitrile
Concen: 0.389 ug/l
RT: 7.830 min Scan# 990
Delta R.T. 0.053 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

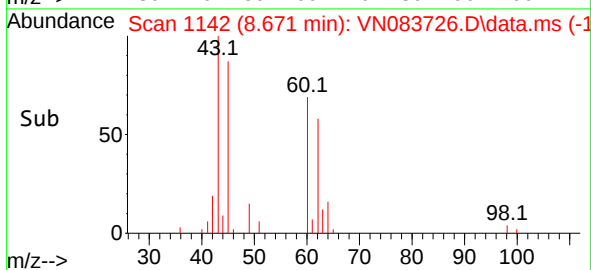
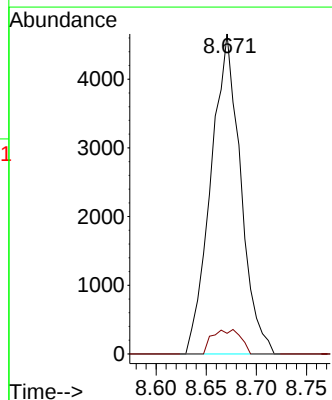
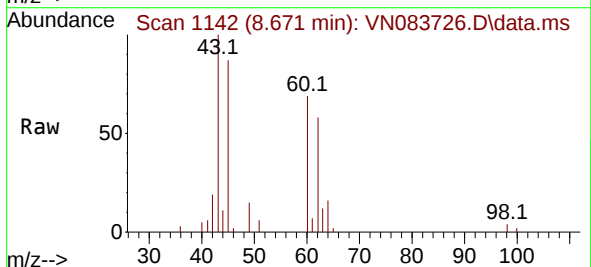


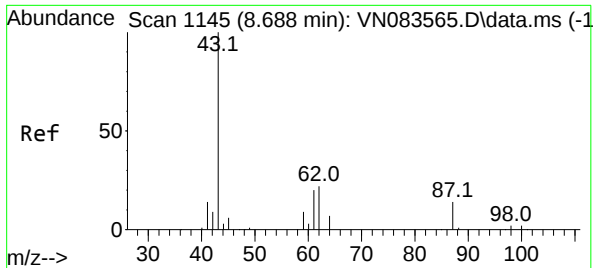
Tgt Ion:	41	Resp:	500
Ion	Ratio	Lower	Upper
41	100		
39	28.0	45.4	68.2#
67	0.0	55.9	83.9#
52	0.0	24.1	36.1#



#42
1,2-Dichloroethane
Concen: 3.723 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion:	62	Resp:	9618
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.6

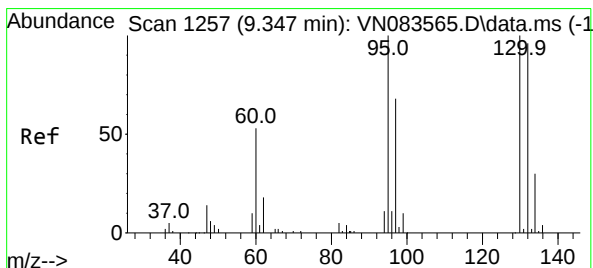
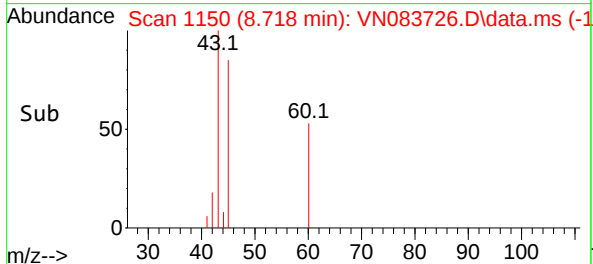
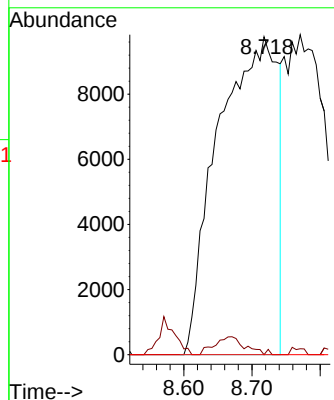
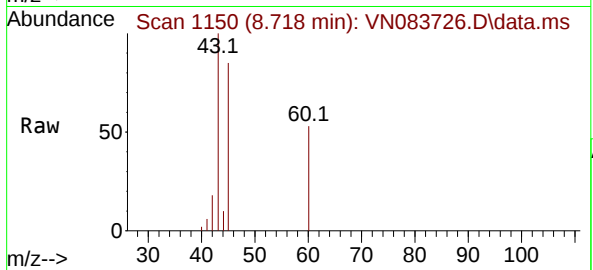




#43
Isopropyl Acetate
Concen: 12.220 ug/l
RT: 8.718 min Scan# 1145
Delta R.T. 0.030 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

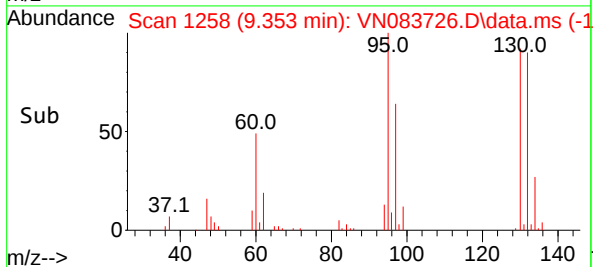
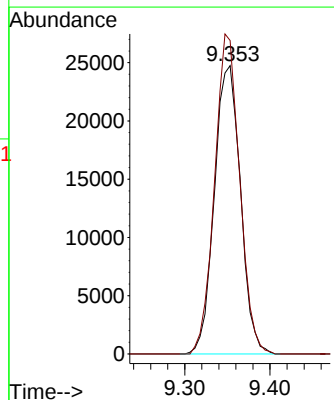
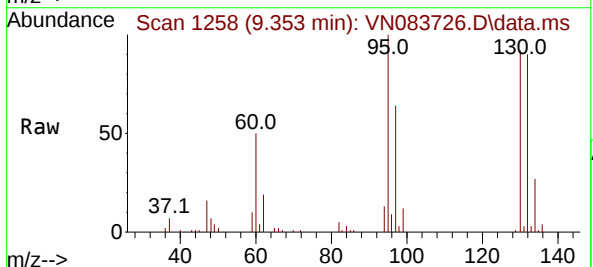
Instrument :
MSVOA_N
ClientSampleId :

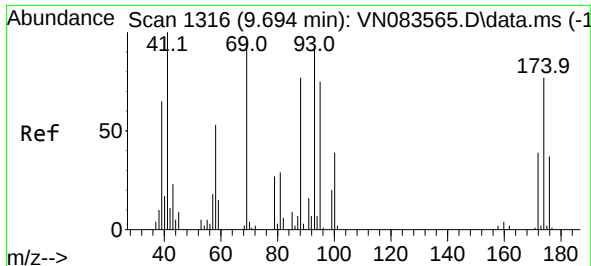
Tgt Ion: 43 Resp: 59324
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 31.413 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

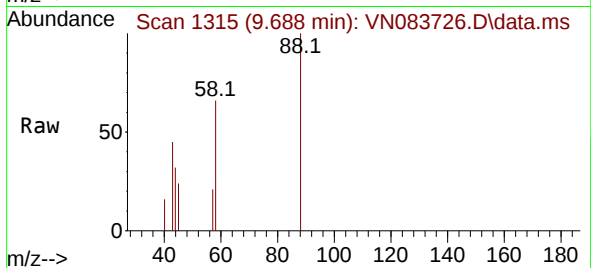
Tgt Ion:130 Resp: 52661
Ion Ratio Lower Upper
130 100
95 108.7 0.0 200.4



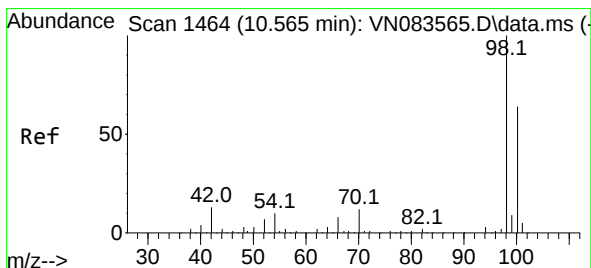
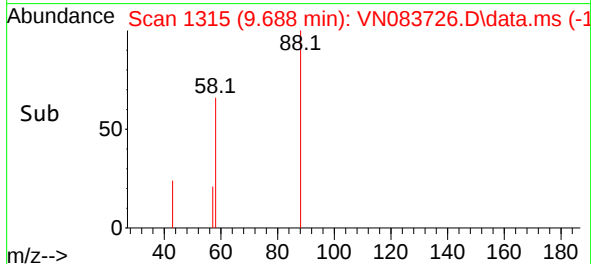
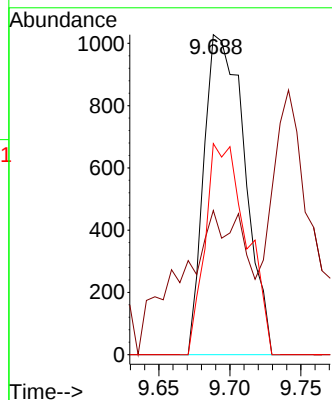


#49
1,4-Dioxane
Concen: 67.687 ug/l
RT: 9.688 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

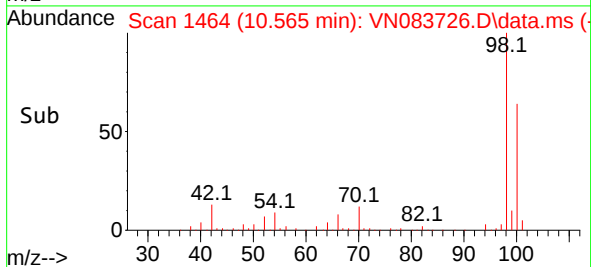
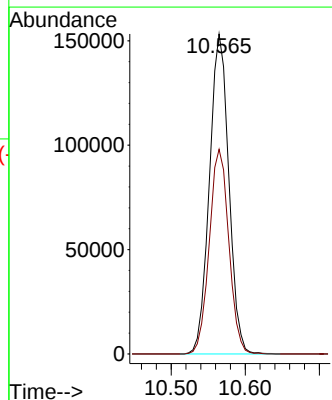
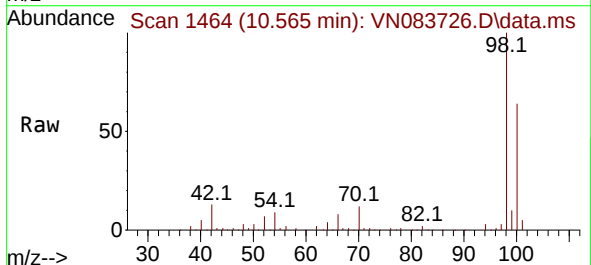


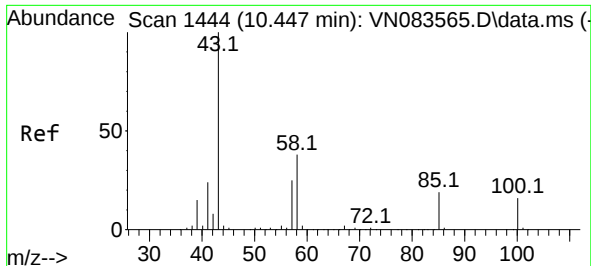
Tgt Ion: 88 Resp: 2051
Ion Ratio Lower Upper
88 100
43 72.5 0.0 0.0#
58 66.8 57.1 85.7



#50
Toluene-d8
Concen: 48.075 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion: 98 Resp: 278106
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

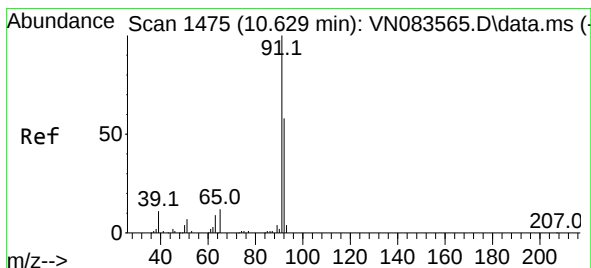
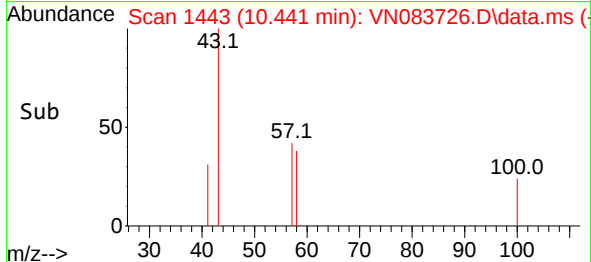
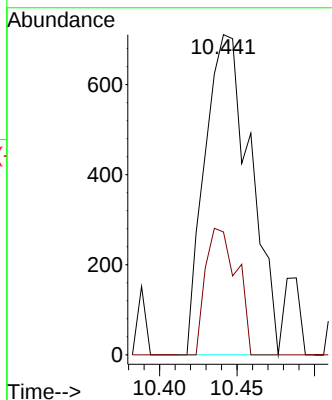
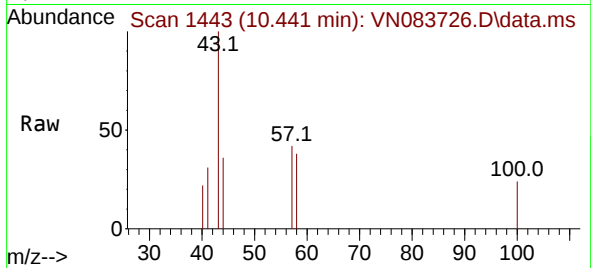




#51
4-Methyl-2-Pentanone
Concen: 0.696 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

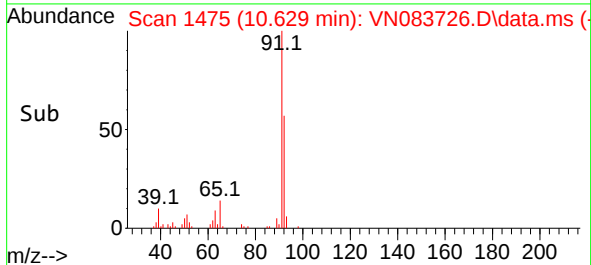
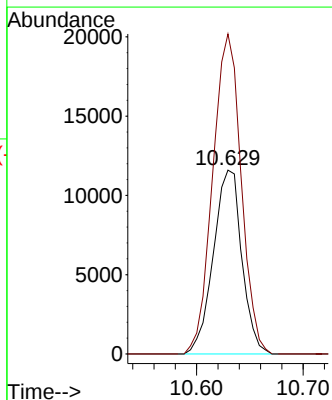
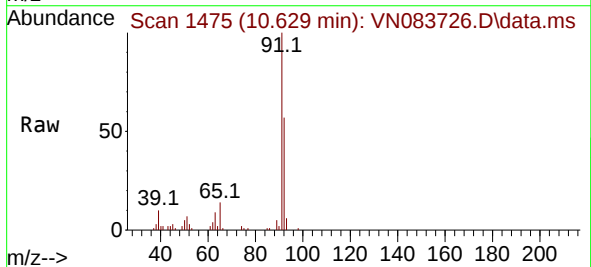
Instrument :
MSVOA_N
ClientSampleId :

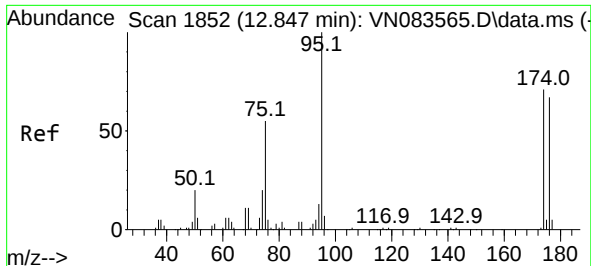
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 27.2 31.6 47.4#



#52
Toluene
Concen: 4.935 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion: 92 Resp: 21511
Ion Ratio Lower Upper
92 100
91 174.1 134.7 202.1

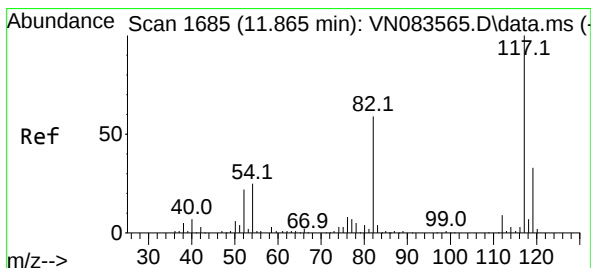
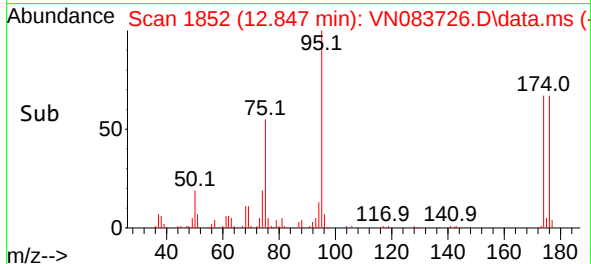
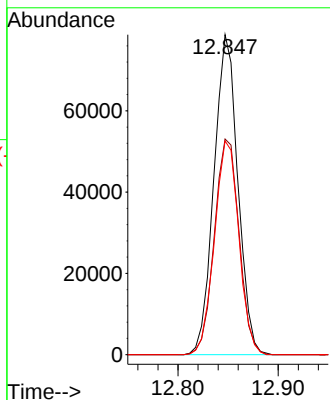
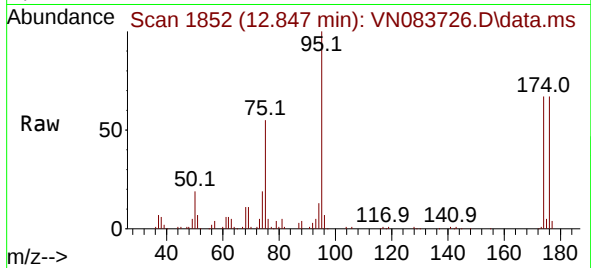




#62
4-Bromofluorobenzene
Concen: 60.868 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

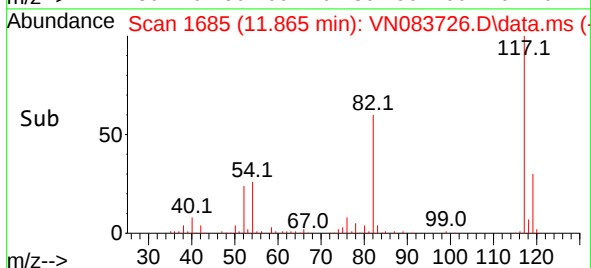
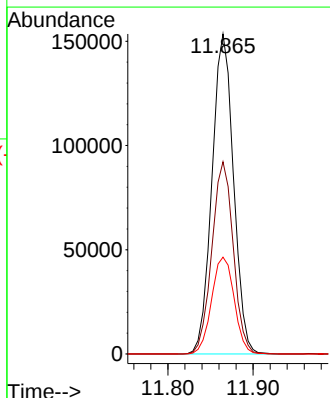
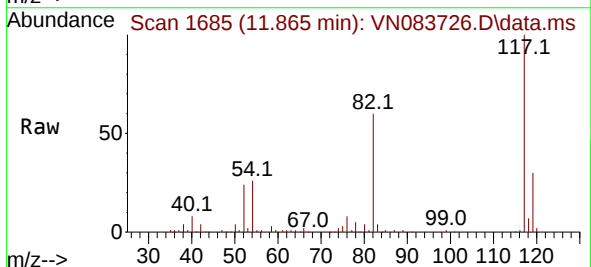
Instrument :
MSVOA_N
ClientSampleId :

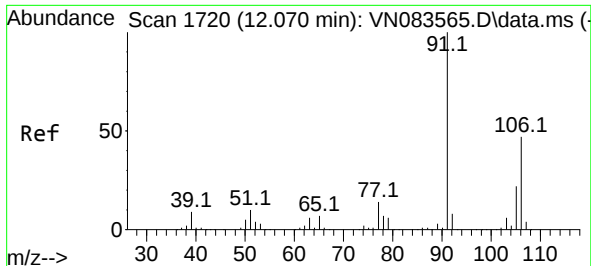
Tgt Ion: 95 Resp: 130410
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion: 117 Resp: 269236
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.0
119 30.2 26.3 39.5

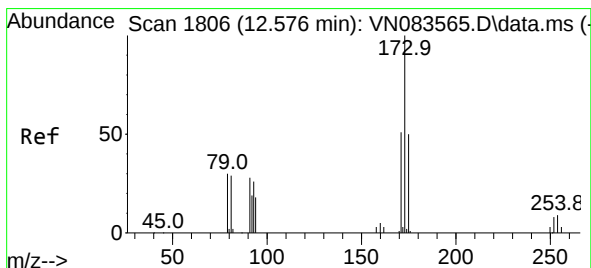
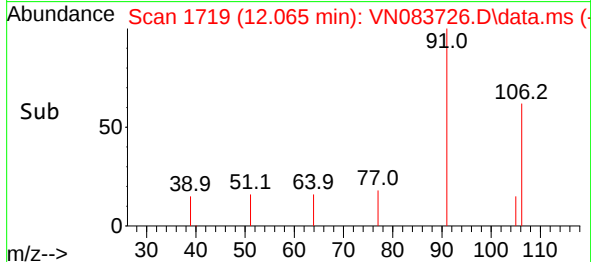
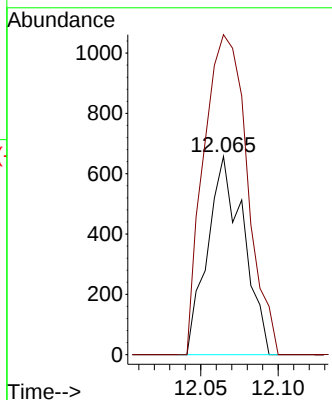
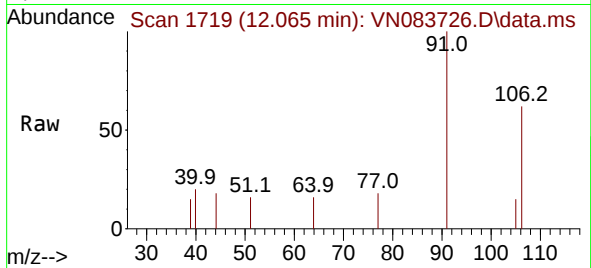




#68
m/p-Xylenes
Concen: 0.262 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

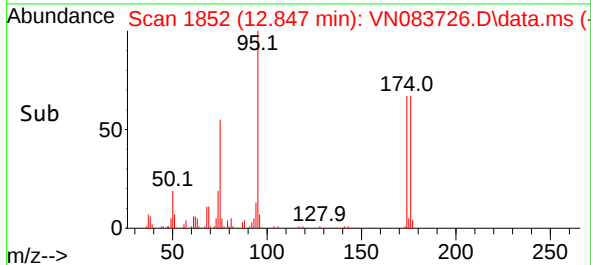
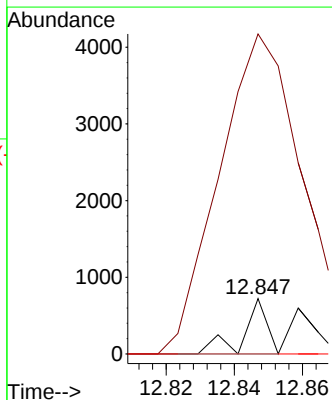
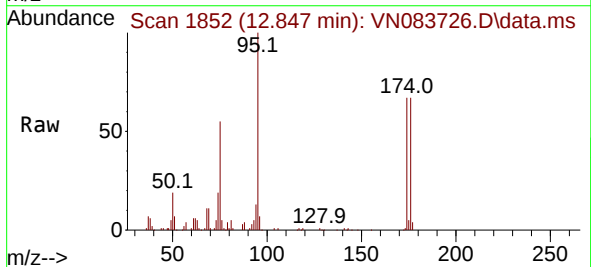
Instrument :
MSVOA_N
ClientSampleId :

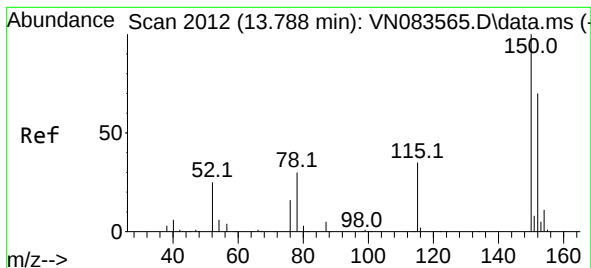
Tgt Ion:106 Resp: 1063
Ion Ratio Lower Upper
106 100
91 194.9 169.2 253.8



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion:173 Resp: 344
Ion Ratio Lower Upper
173 100
175 1558.1 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

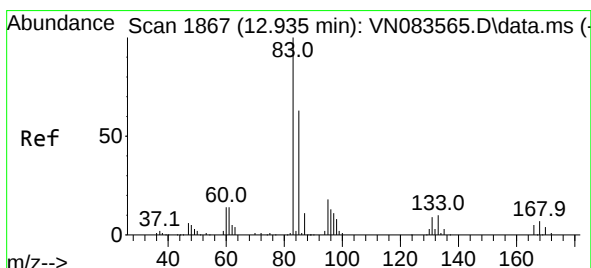
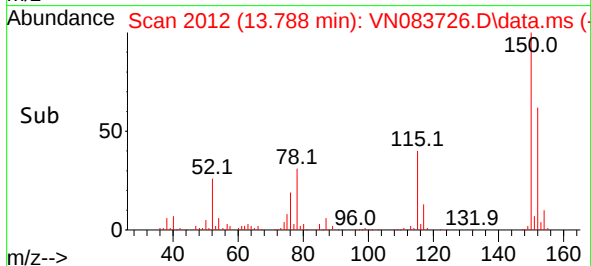
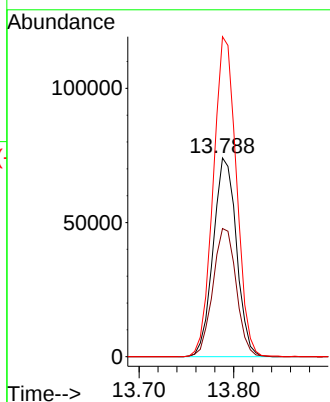
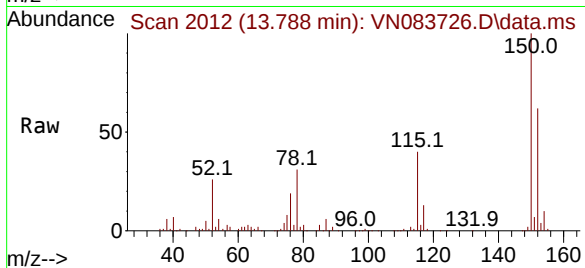
Tgt Ion:152 Resp: 126683

Ion Ratio Lower Upper

152 100

115 64.8 32.2 96.6

150 160.2 0.0 348.6



#75

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/l

RT: 12.776 min Scan# 1840

Delta R.T. -0.159 min

Lab File: VN083726.D

Acq: 09 Sep 2024 19:00

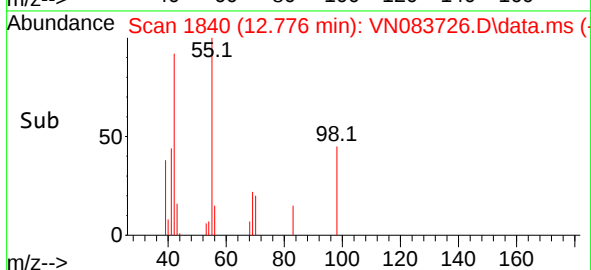
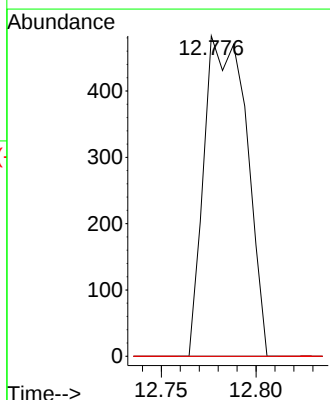
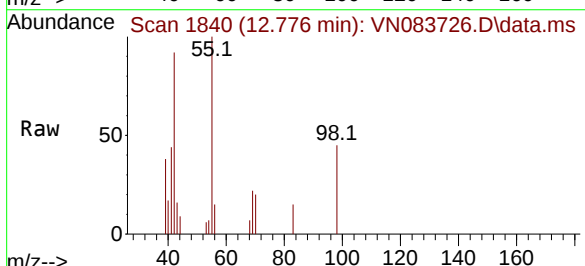
Tgt Ion: 83 Resp: 752

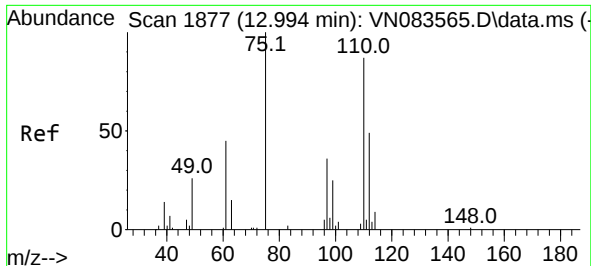
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 31.9 95.9#

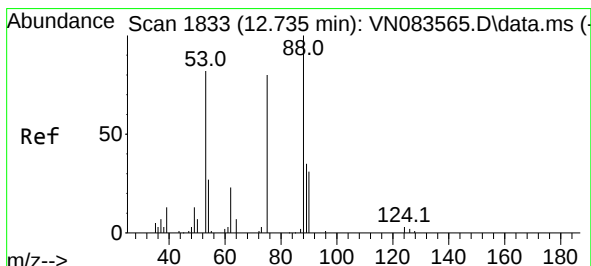
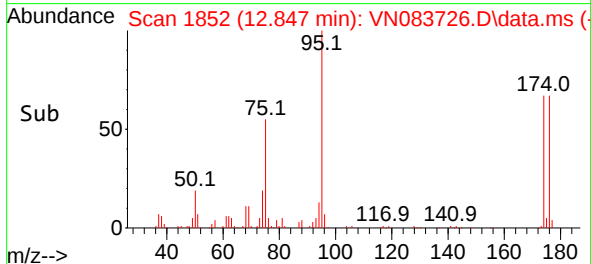
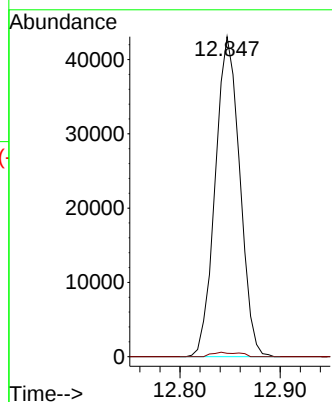
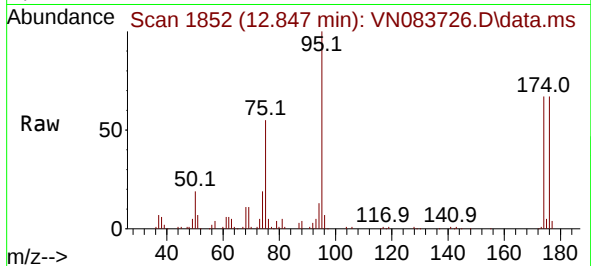




#76
1,2,3-Trichloropropane
Concen: 28.665 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73316
Ion Ratio Lower Upper
75 100
77 1.5 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083726.D
Acq: 09 Sep 2024 19:00

Tgt Ion: 75 Resp: 73316
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

