

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083724.D
 Acq On : 09 Sep 2024 18:12
 Operator : JC\MD
 Sample : P3802-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:14:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

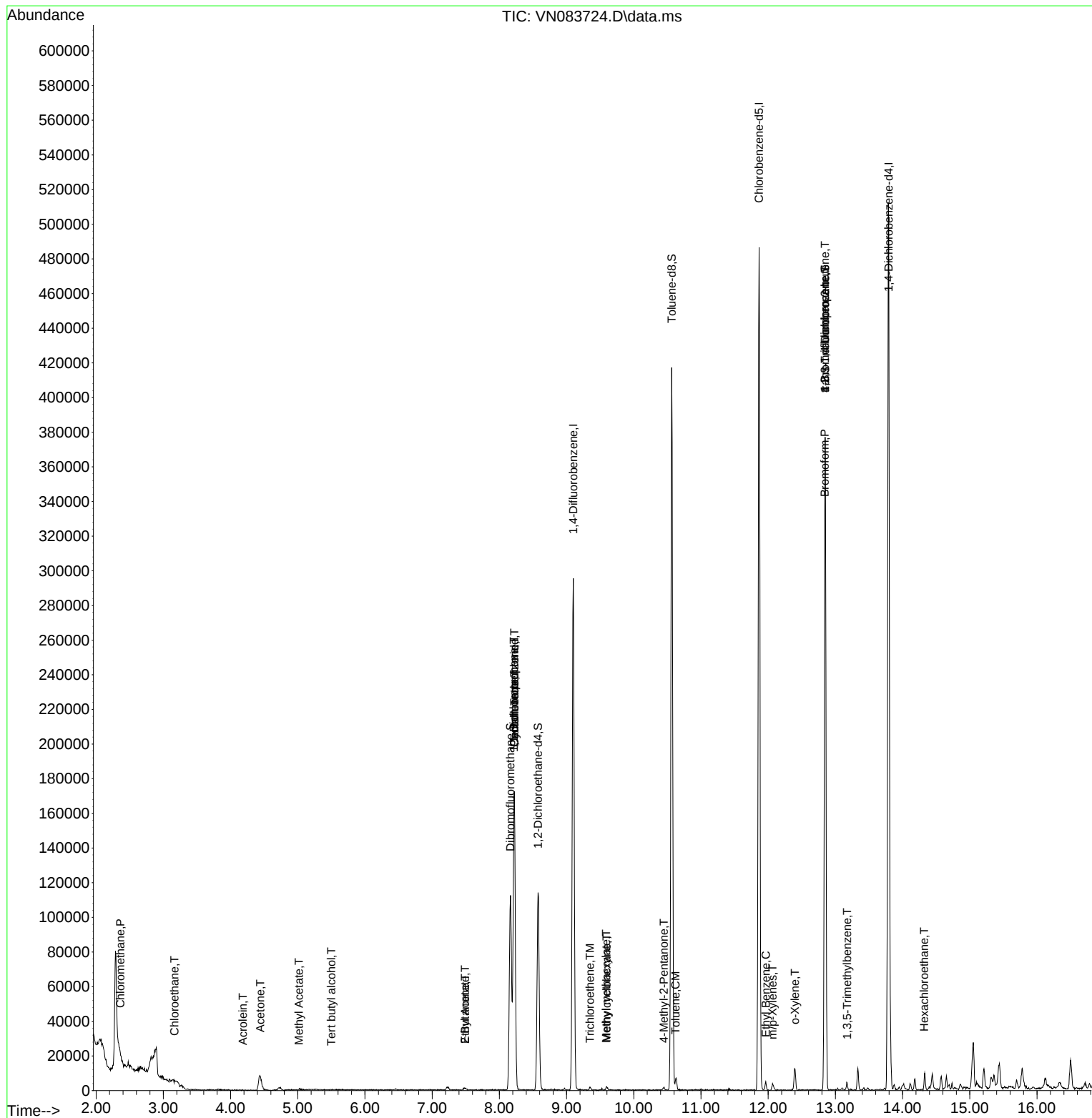
Internal Standards						
1) Pentafluorobenzene	8.224	168	118460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	244678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97598	58.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.900%			
35) Dibromofluoromethane	8.165	113	79287	53.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.680%			
50) Toluene-d8	10.565	98	274660	47.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.847	95	130362	61.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 122.720%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1323	0.906	ug/l #	41
6) Chloroethane	3.165	64	892	0.934	ug/l #	45
11) Tert butyl alcohol	5.500	59	53	0.205	ug/l #	71
13) Acrolein	4.183	56	65	0.266	ug/l #	13
16) Acetone	4.442	43	10226	15.489	ug/l	95
18) Methyl Acetate	5.018	43	584	0.333	ug/l #	52
25) 2-Butanone	7.488	43	1789	1.990	ug/l	96
31) Cyclohexane	8.224	56	3675	1.435	ug/l #	31
36) 1,1-Dichloropropene	8.218	75	11122	4.951	ug/l #	51
37) Ethyl Acetate	7.488	43	1789	0.800	ug/l #	87
38) Carbon Tetrachloride	8.224	117	13817	5.391	ug/l #	16
39) Methylcyclohexane	9.594	83	963	0.357	ug/l #	75
43) Isopropyl Acetate	8.771	43	187	Below Cal	#	57
44) Trichloroethene	9.347	130	632	0.380	ug/l	64
48) Methyl methacrylate	9.588	41	606	0.330	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	1269	0.611	ug/l #	71
52) Toluene	10.623	92	3140	0.727	ug/l	97
67) Ethyl Benzene	11.965	91	3077	0.287	ug/l	93
68) m/p-Xylenes	12.065	106	1585	0.392	ug/l	85
69) o-Xylene	12.400	106	3430	0.878	ug/l	99
71) Bromoform	12.841	173	706	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73525	27.820	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	2327	0.261	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.847	75	73525	65.617	ug/l #	9
90) Hexachloroethane	14.323	117	531	0.310	ug/l #	17

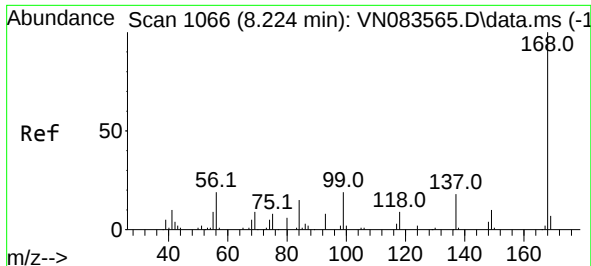
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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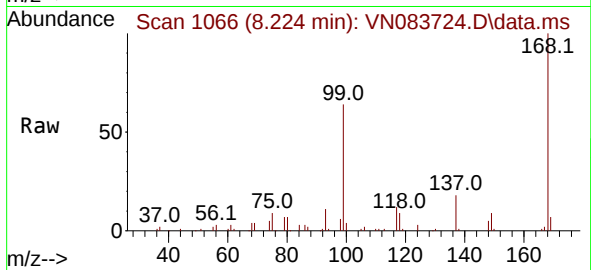
Quant Time: Sep 10 02:14:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
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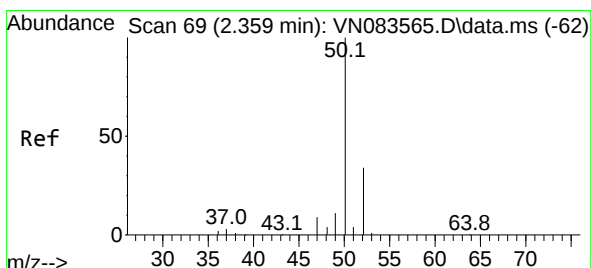
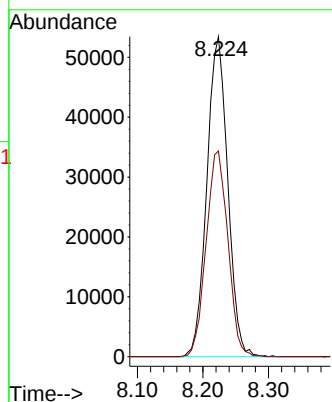
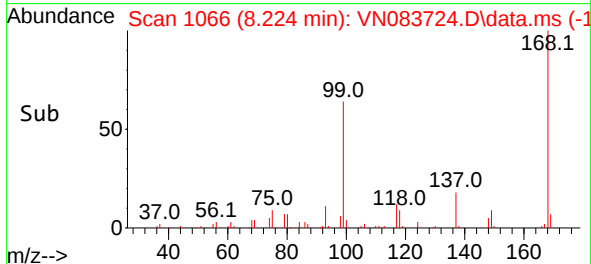


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

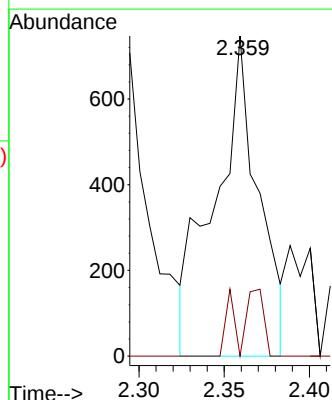
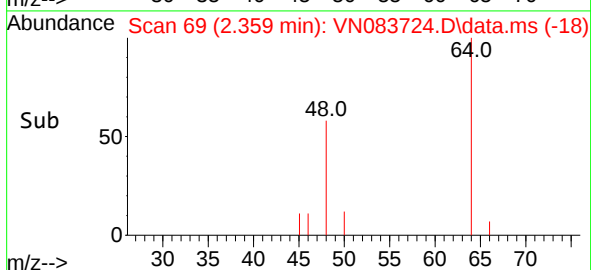
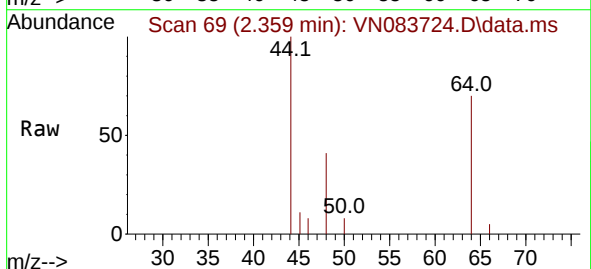


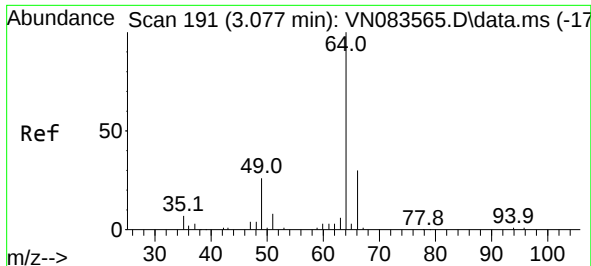
Tgt Ion:168 Resp: 118460
Ion Ratio Lower Upper
168 100
99 64.3 54.2 81.2



#3
Chloromethane
Concen: 0.906 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 50 Resp: 1323
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

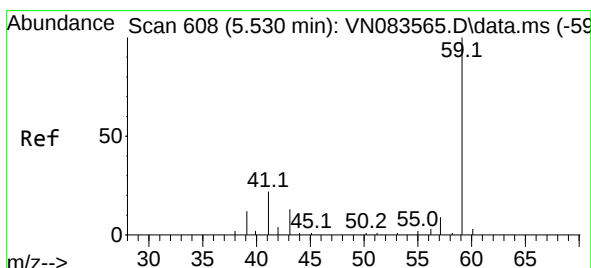
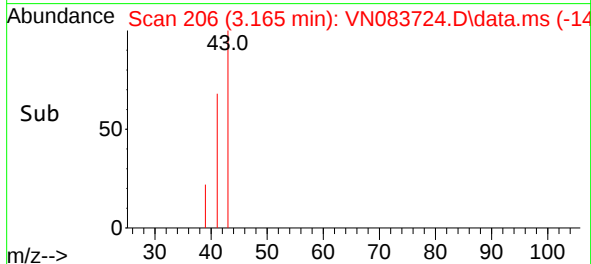
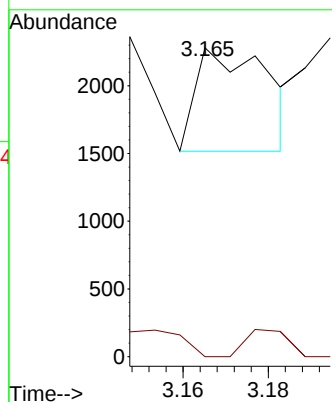
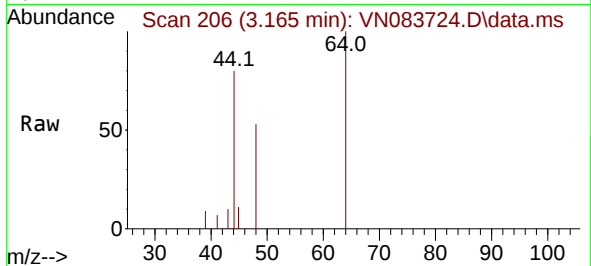




#6
Chloroethane
Concen: 0.934 ug/l
RT: 3.165 min Scan# 206
Delta R.T. 0.088 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

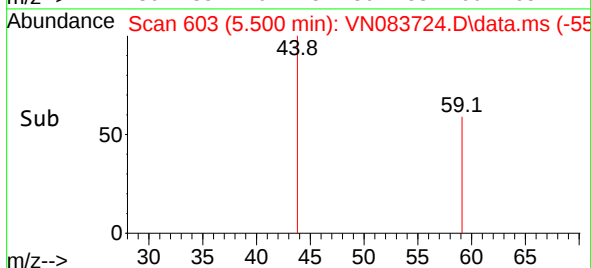
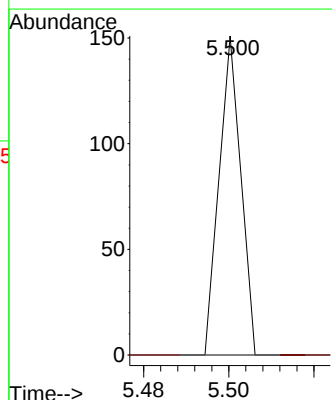
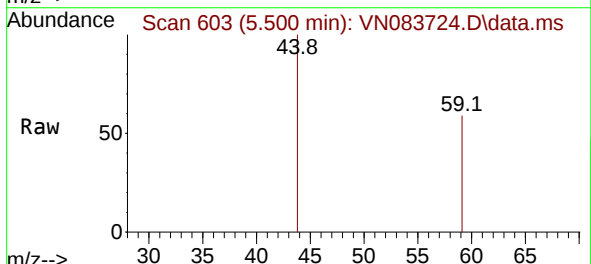
Instrument :
MSVOA_N
ClientSampleId :

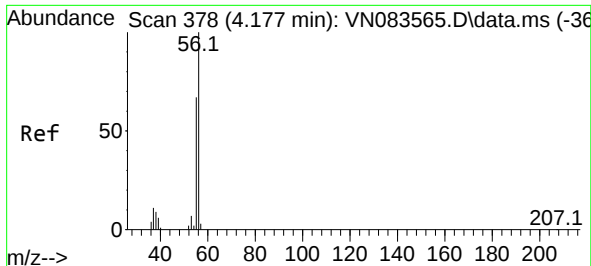
Tgt Ion: 64 Resp: 892
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.029 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

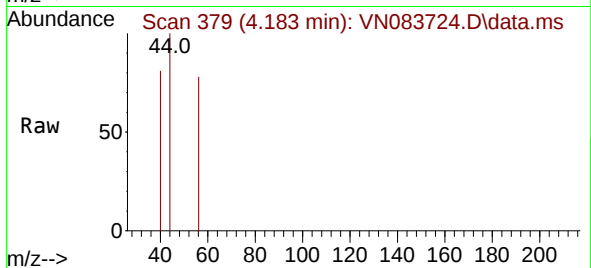
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



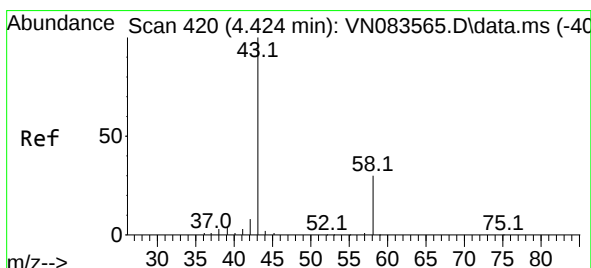
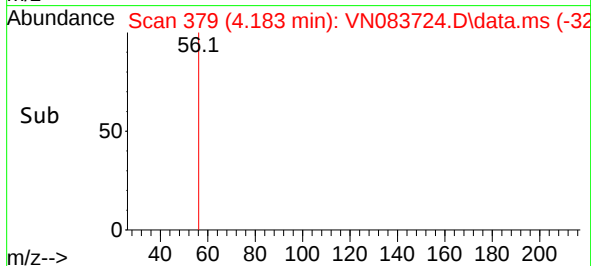
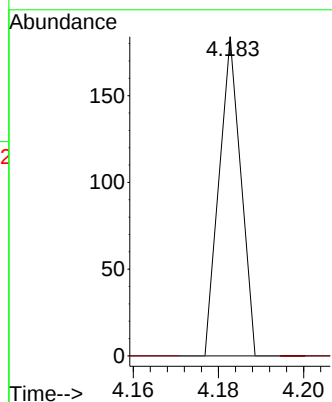


#13
Acrolein
Concen: 0.266 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

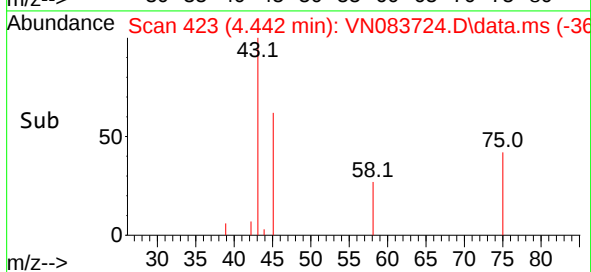
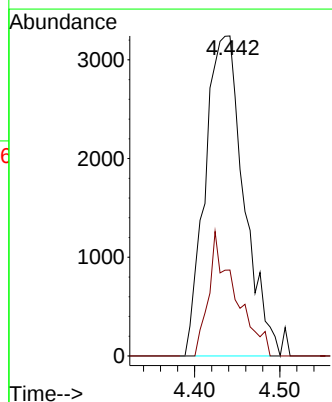
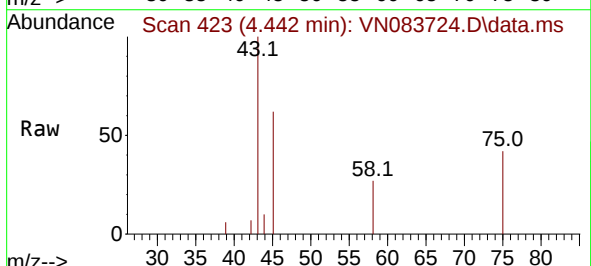


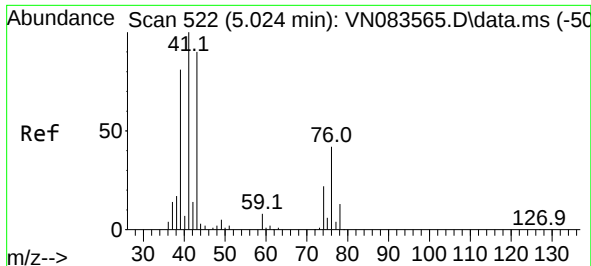
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 15.489 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 43 Resp: 10226
Ion Ratio Lower Upper
43 100
58 26.9 23.7 35.5





#18

Methyl Acetate

Concen: 0.333 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

Instrument :

MSVOA_N

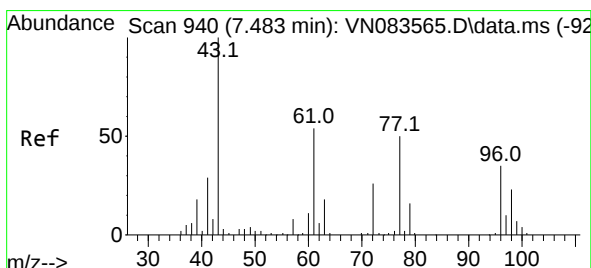
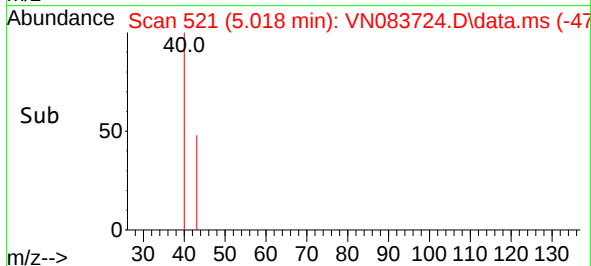
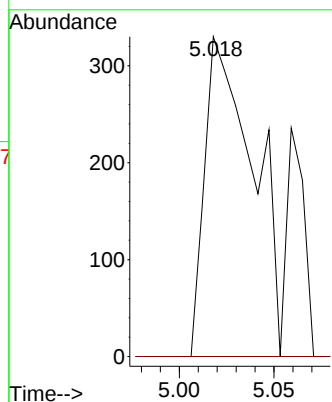
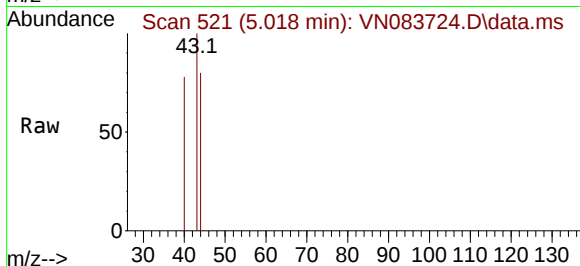
ClientSampleId :

Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#25

2-Butanone

Concen: 1.990 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083724.D

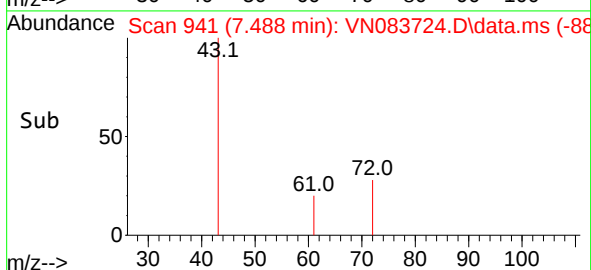
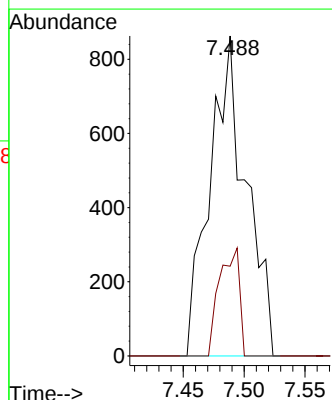
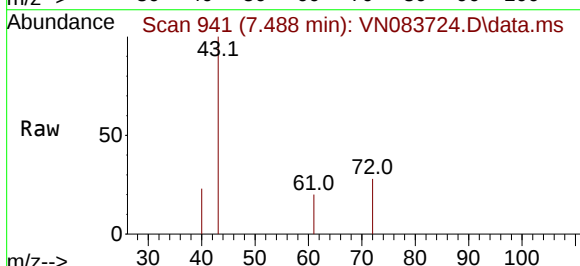
Acq: 09 Sep 2024 18:12

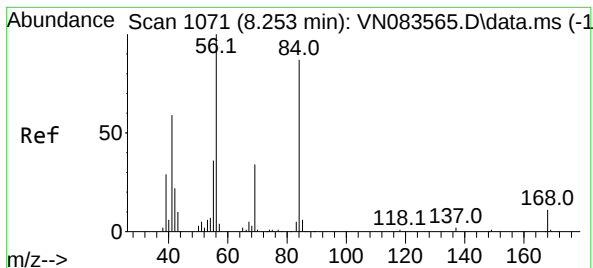
Tgt Ion: 43 Resp: 1789

Ion Ratio Lower Upper

43 100

72 28.0 20.8 31.2





#31

Cyclohexane

Concen: 1.435 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

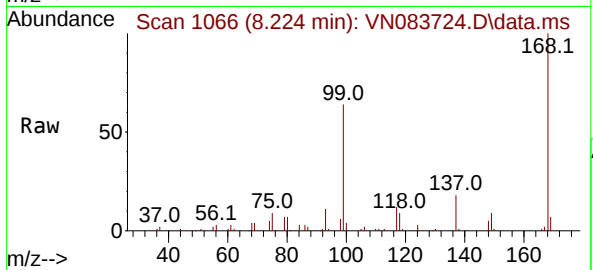
Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

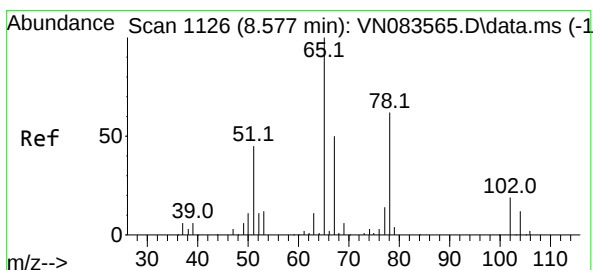
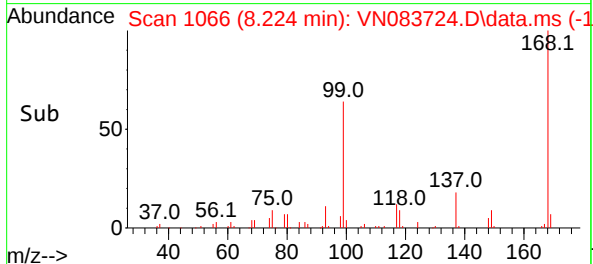
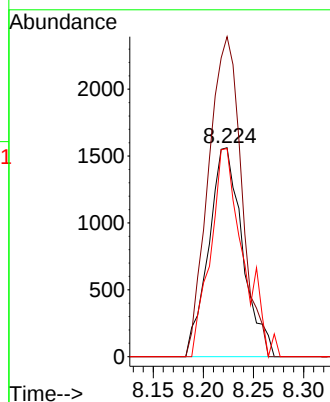
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3675
Ion Ratio	Lower	Upper	
56	100		
69	153.1	26.9	40.3#
84	99.6	69.2	103.8



#33

1,2-Dichloroethane-d4

Concen: 58.951 ug/l

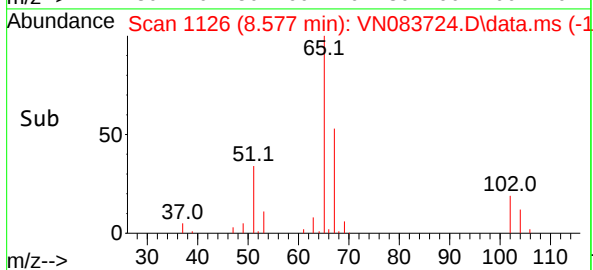
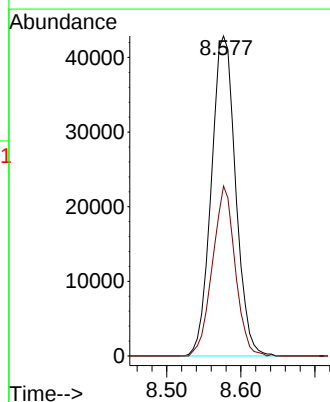
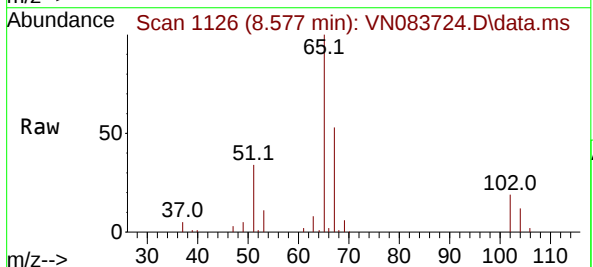
RT: 8.577 min Scan# 1126

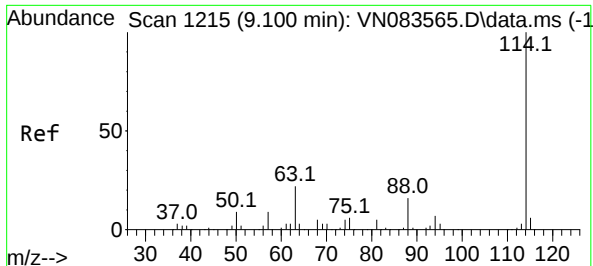
Delta R.T. -0.000 min

Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

Tgt Ion:	65	Resp:	97598
Ion Ratio	Lower	Upper	
65	100		
67	49.6	0.0	100.8

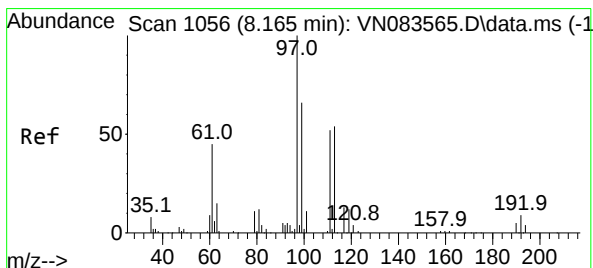
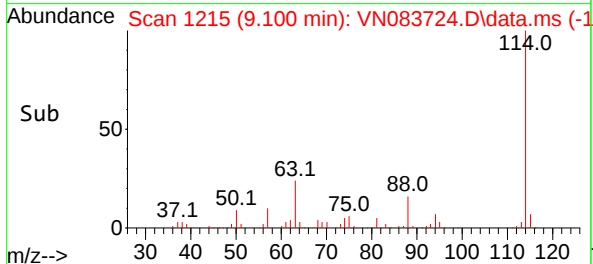
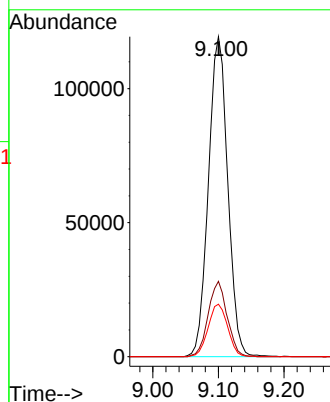
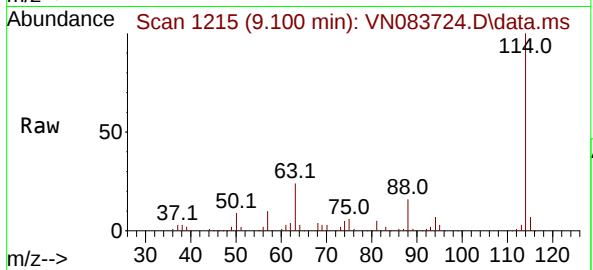




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

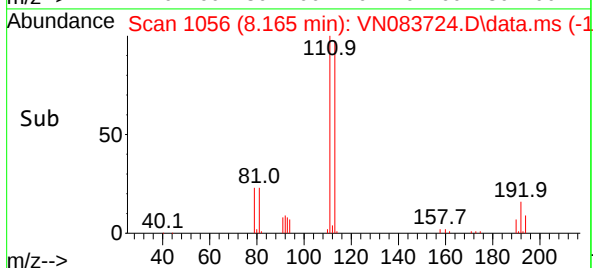
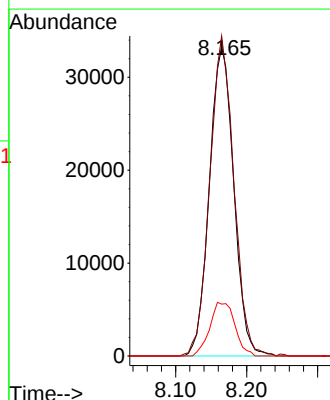
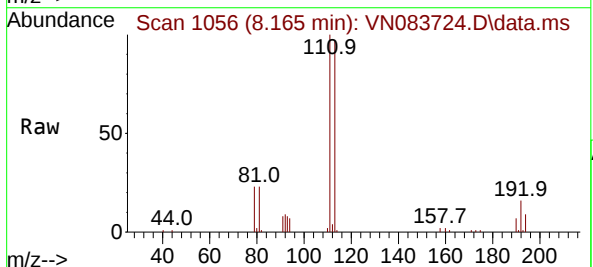
Instrument :
MSVOA_N
ClientSampleId :

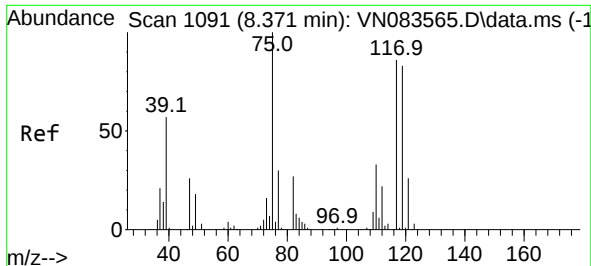
Tgt Ion:114 Resp: 244678
Ion Ratio Lower Upper
114 100
63 23.5 0.0 43.4
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.839 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion:113 Resp: 79287
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

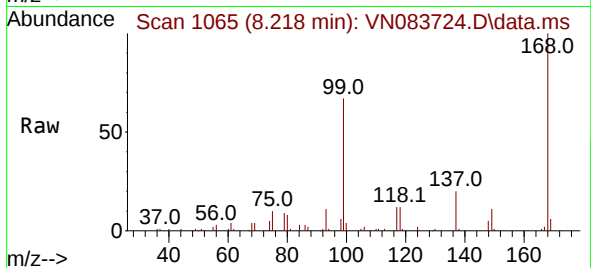
Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

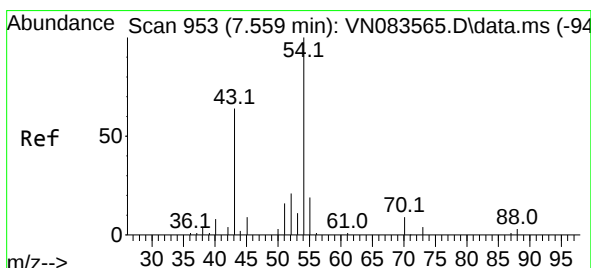
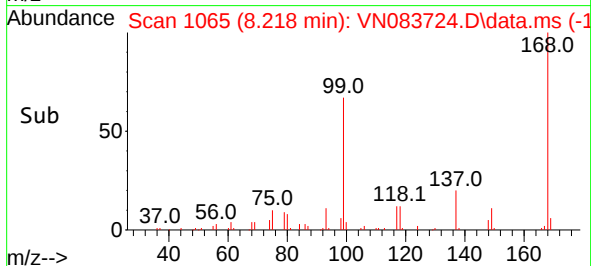
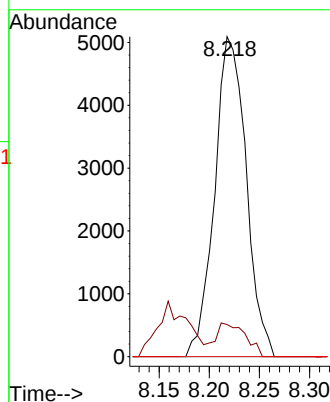
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	11122
Ion	Ratio	Lower	Upper
75	100		
110	10.2	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 0.800 ug/l

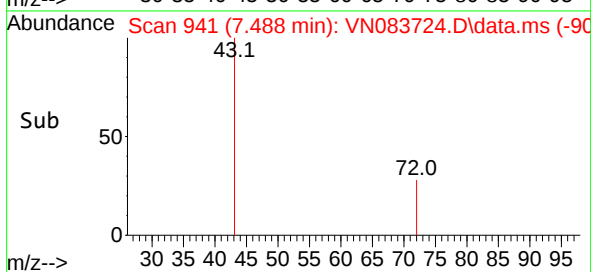
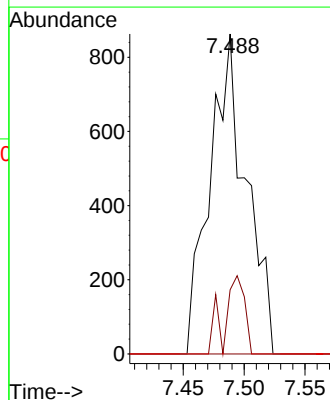
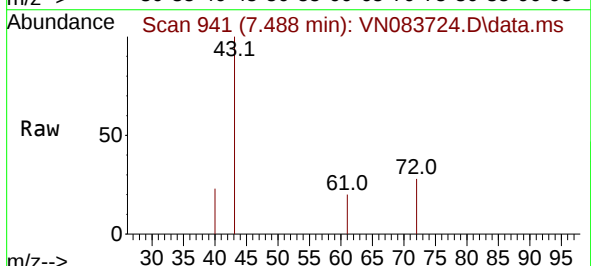
RT: 7.488 min Scan# 941

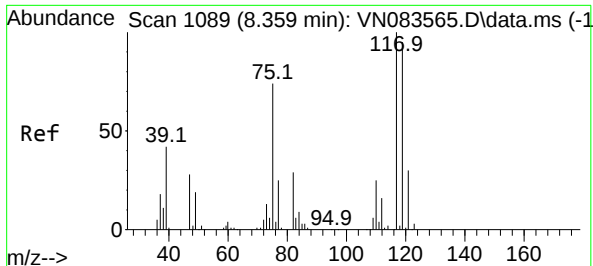
Delta R.T. -0.071 min

Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

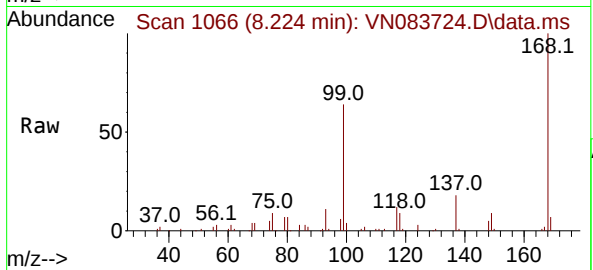
Tgt Ion:	43	Resp:	1789
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	0.0	8.8	13.2#



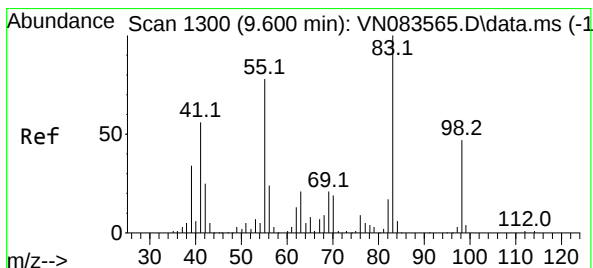
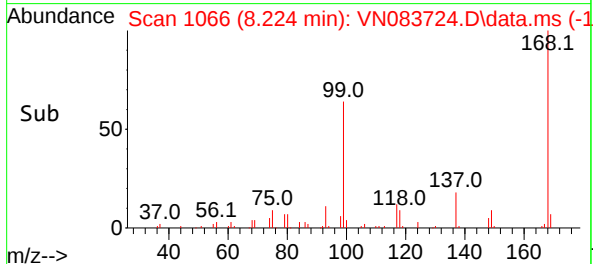
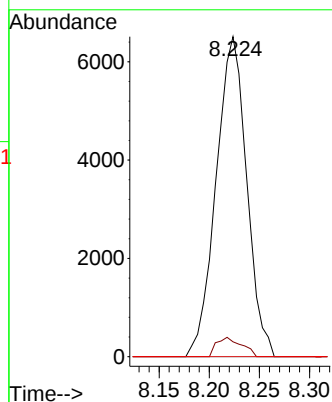


#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

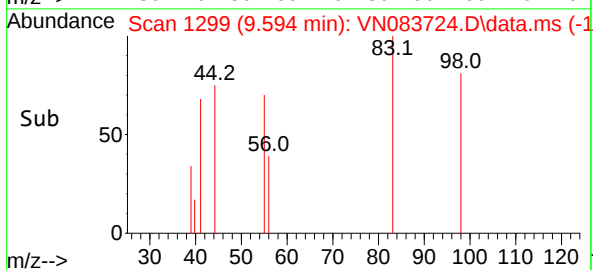
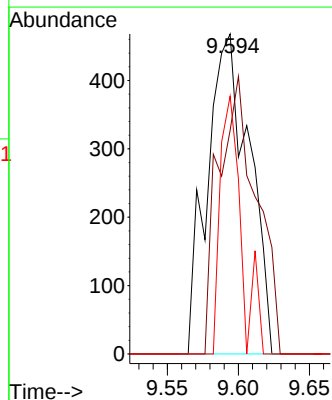
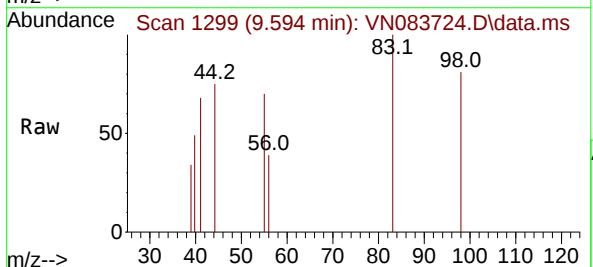


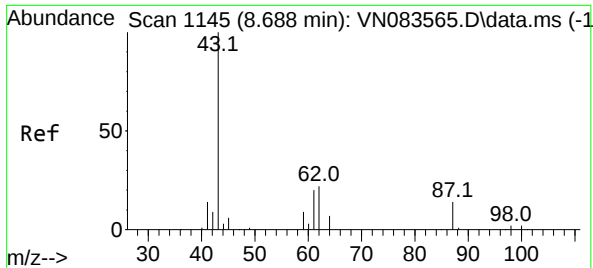
Tgt Ion:117 Resp: 13817
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.357 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

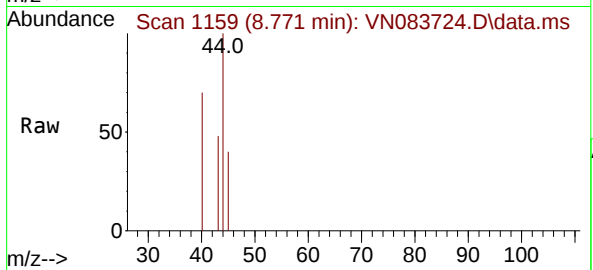
Tgt Ion: 83 Resp: 963
Ion Ratio Lower Upper
83 100
55 69.9 62.2 93.4
98 80.6 37.6 56.4#



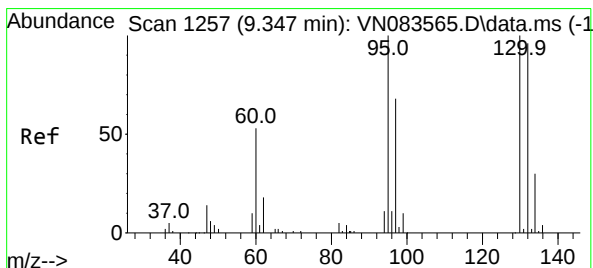
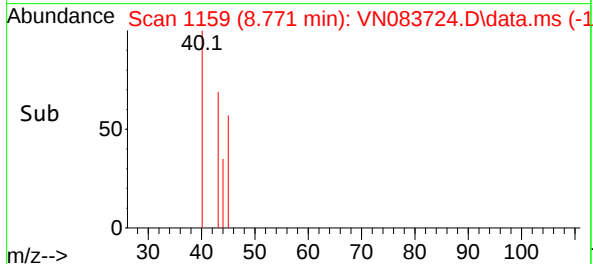
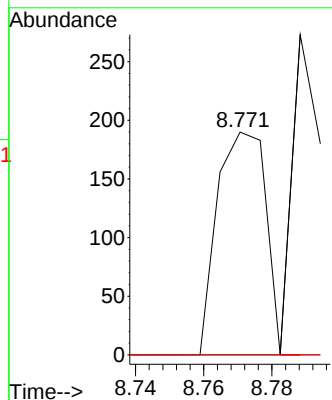


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.771 min Scan# 1145
Delta R.T. 0.083 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

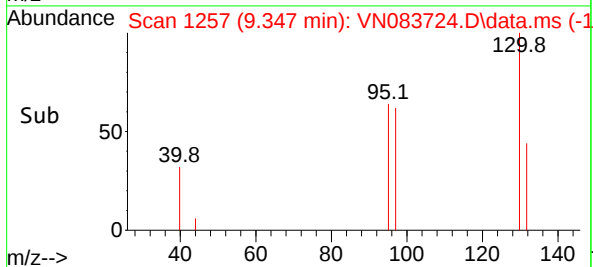
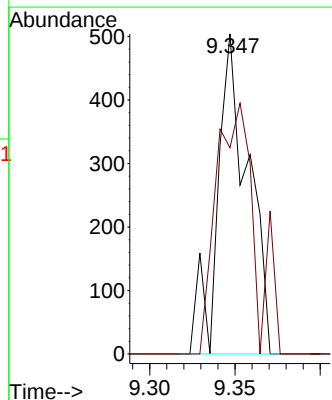
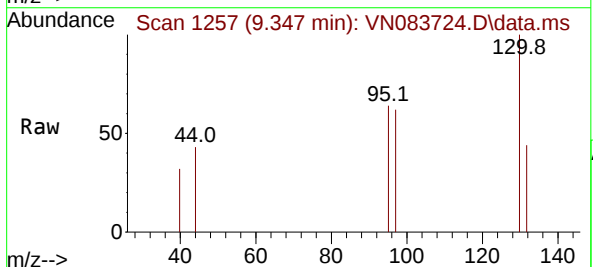


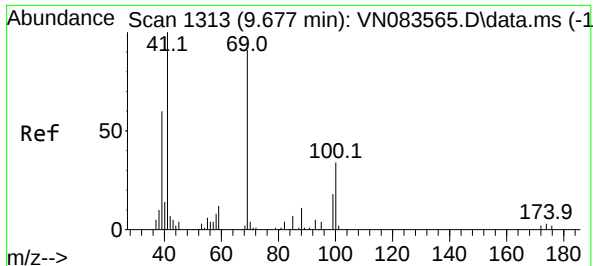
Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 0.380 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 130 Resp: 632
Ion Ratio Lower Upper
130 100
95 64.5 0.0 200.4





#48

Methyl methacrylate

Concen: 0.330 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.088 min

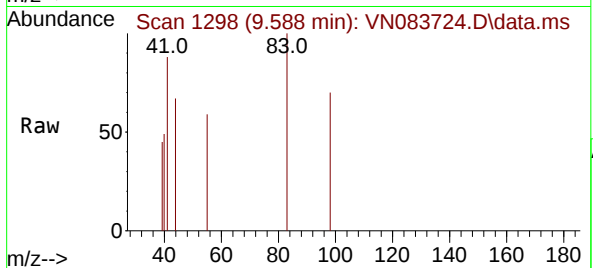
Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

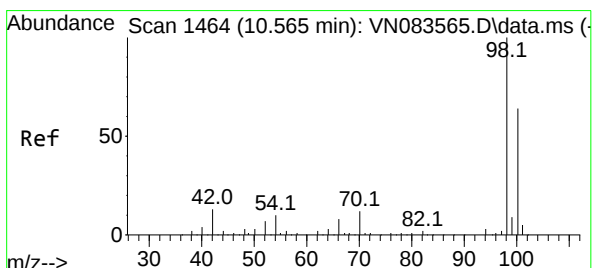
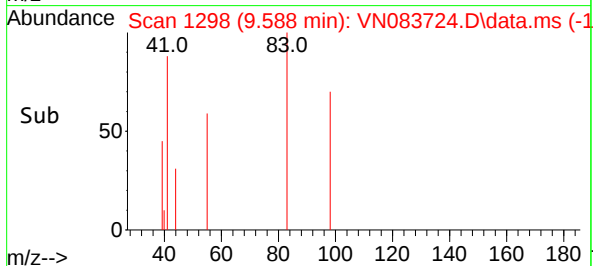
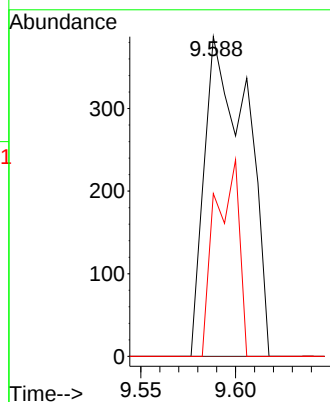
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	606
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.3	96.5#
39	34.7	48.9	73.3#



#50

Toluene-d8

Concen: 47.888 ug/l

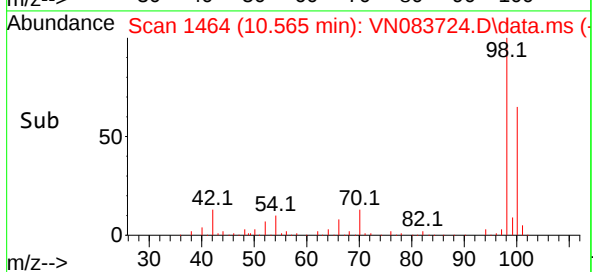
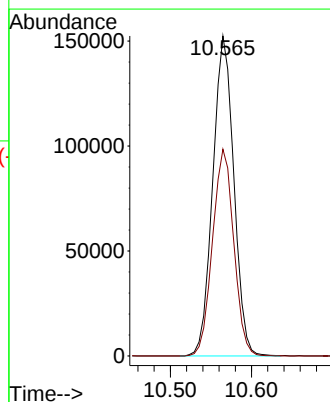
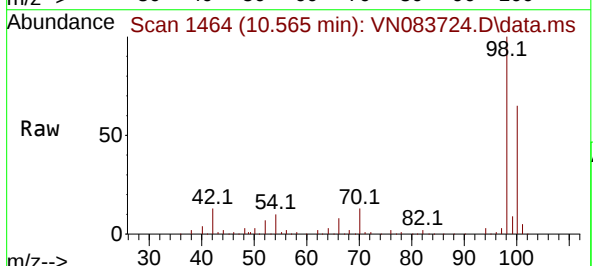
RT: 10.565 min Scan# 1464

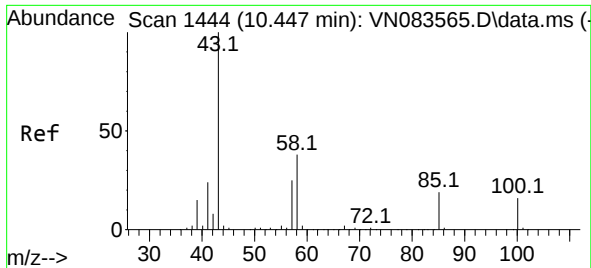
Delta R.T. -0.000 min

Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

Tgt Ion:	98	Resp:	274660
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

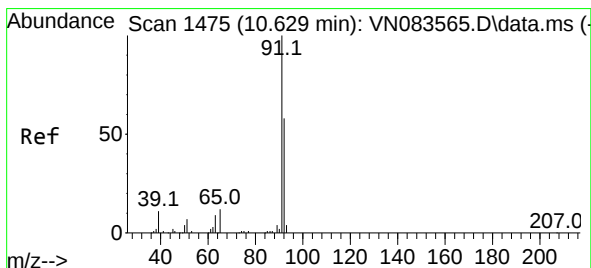
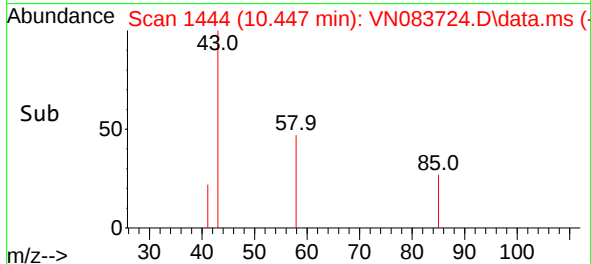
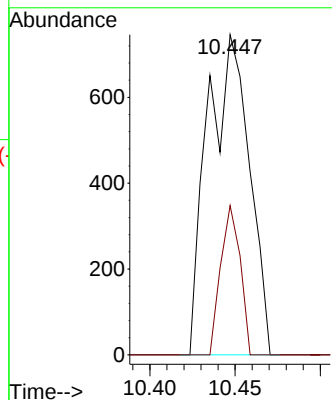
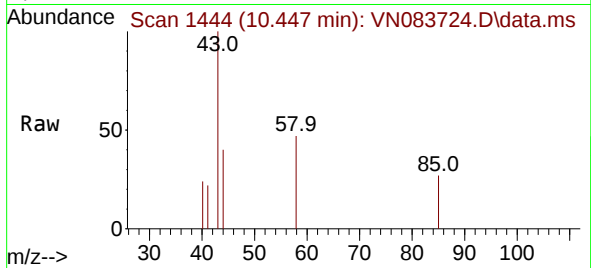




#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

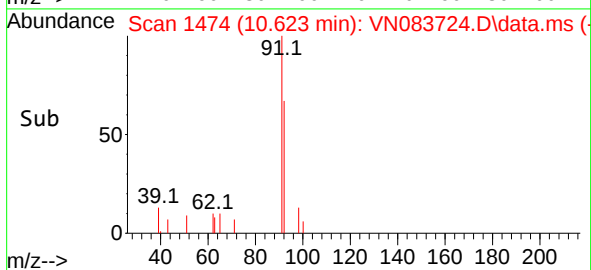
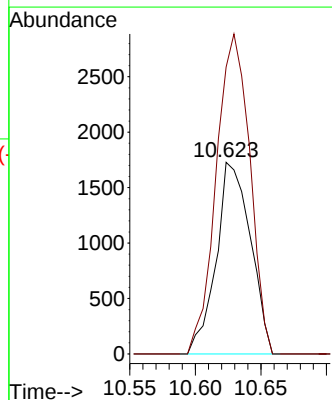
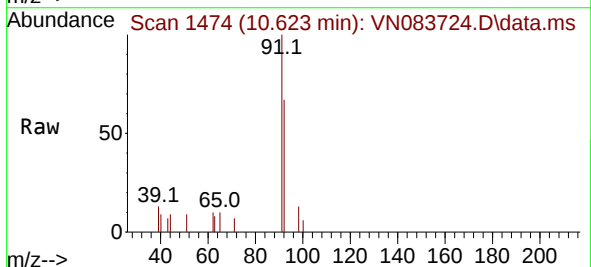
Instrument :
MSVOA_N
ClientSampleId :

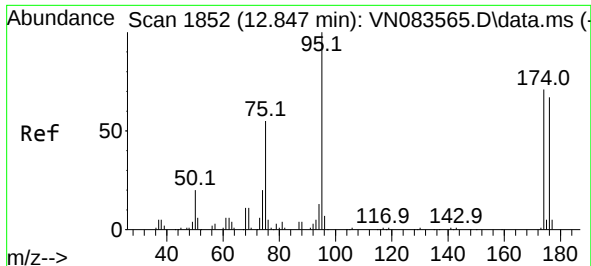
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
58 21.7 31.6 47.4#



#52
Toluene
Concen: 0.727 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 92 Resp: 3140
Ion Ratio Lower Upper
92 100
91 164.1 134.7 202.1

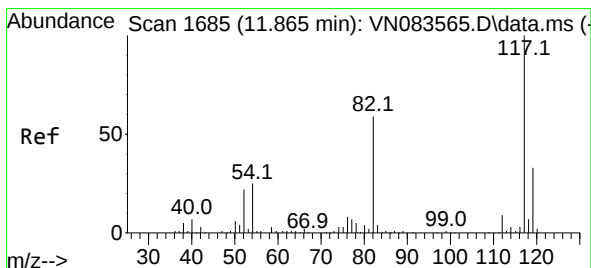
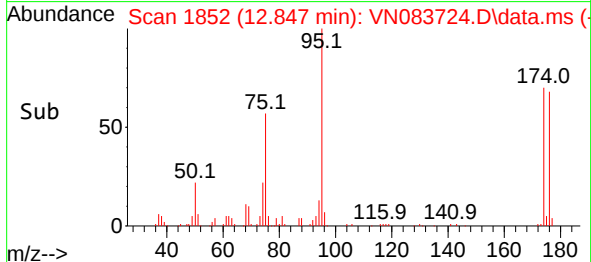
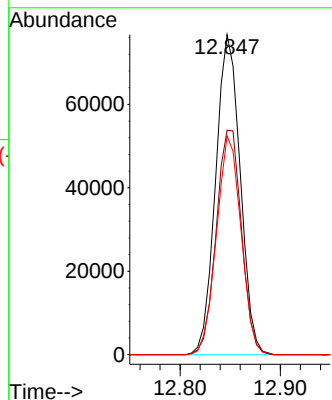
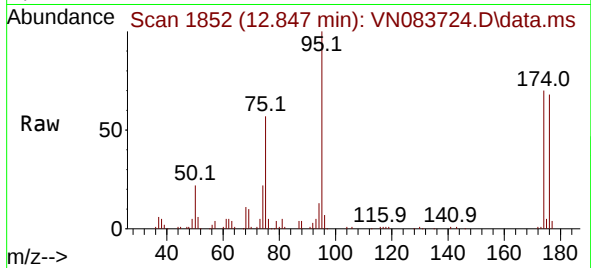




#62
4-Bromofluorobenzene
Concen: 61.363 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

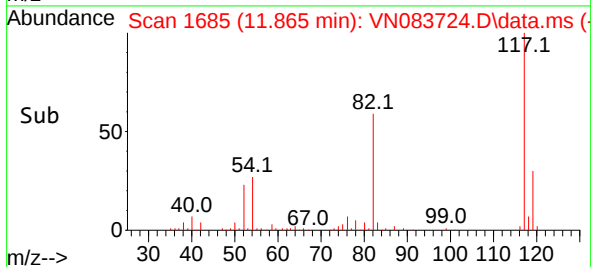
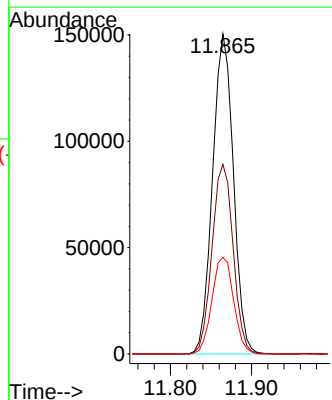
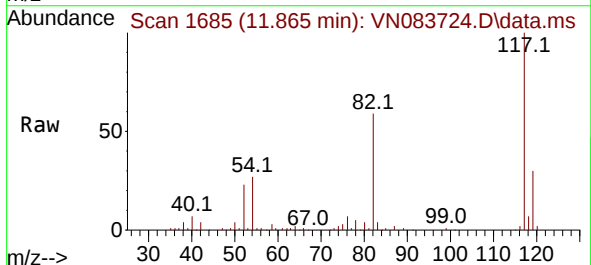
Instrument :
MSVOA_N
ClientSampleId :

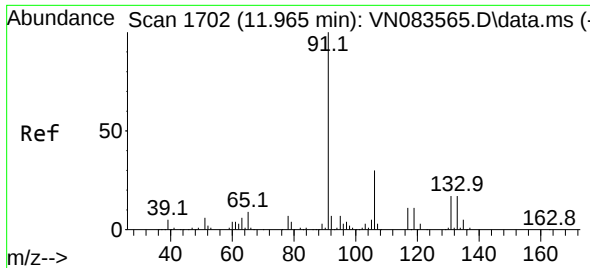
Tgt Ion: 95 Resp: 130362
Ion Ratio Lower Upper
95 100
174 72.3 0.0 139.8
176 68.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 117 Resp: 268058
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.0
119 30.2 26.3 39.5

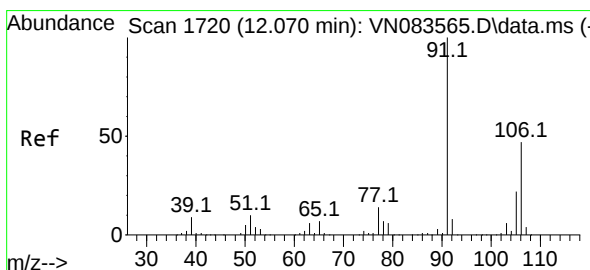
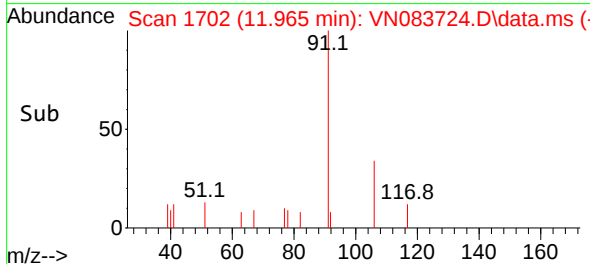
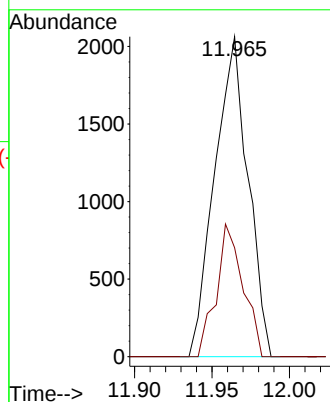
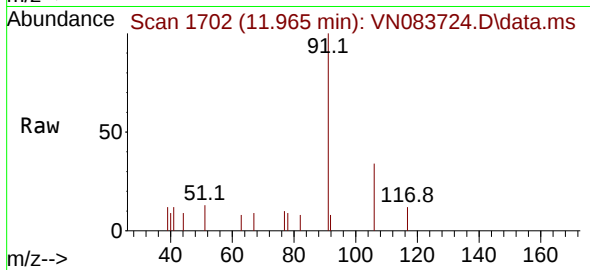




#67
Ethyl Benzene
Concen: 0.287 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

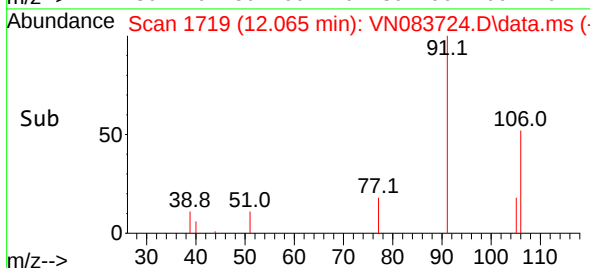
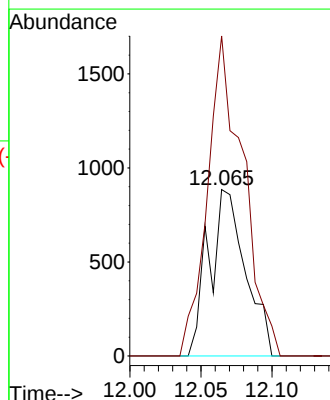
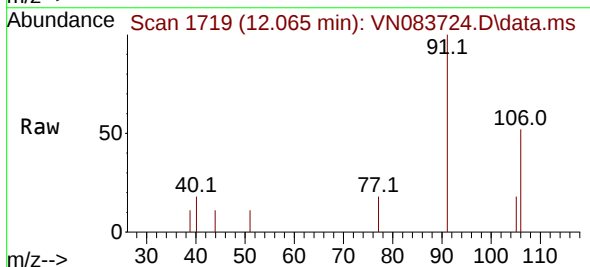
Instrument :
MSVOA_N
ClientSampleId :

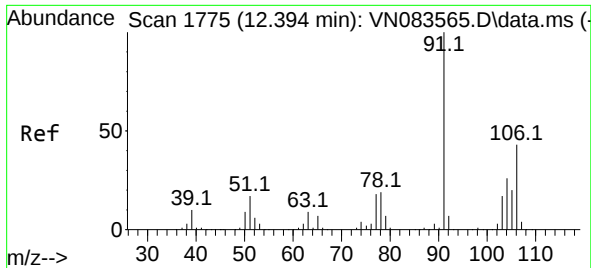
Tgt Ion: 91 Resp: 3077
Ion Ratio Lower Upper
91 100
106 34.0 24.3 36.5



#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion: 106 Resp: 1585
Ion Ratio Lower Upper
106 100
91 187.9 169.2 253.8

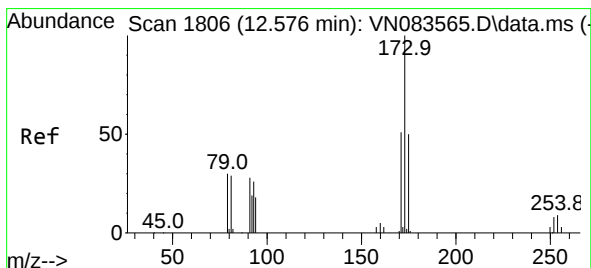
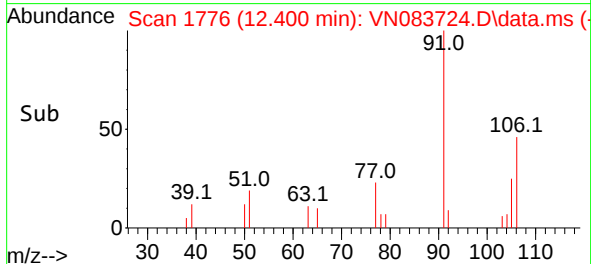
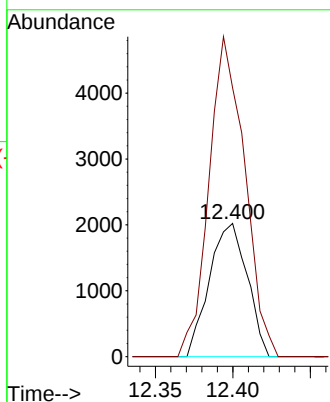
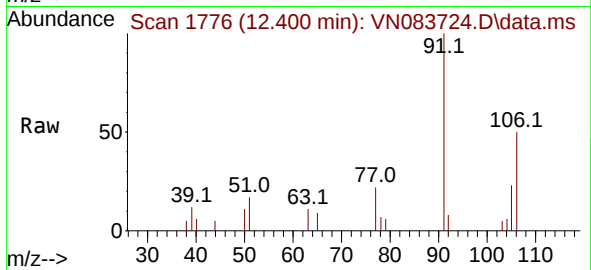




#69
o-Xylene
Concen: 0.878 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

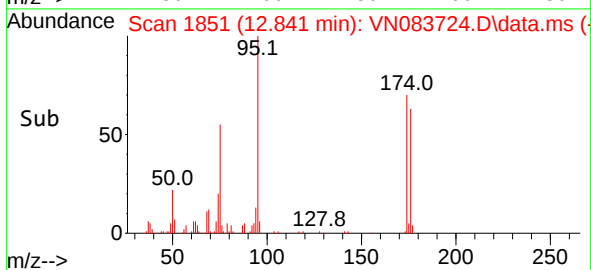
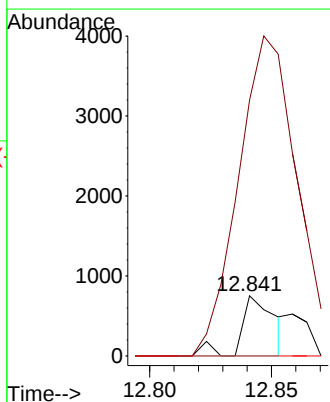
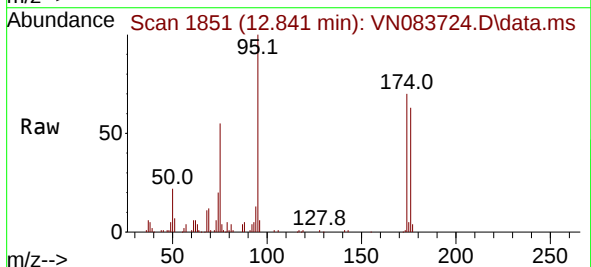
Instrument :
MSVOA_N
ClientSampleId :

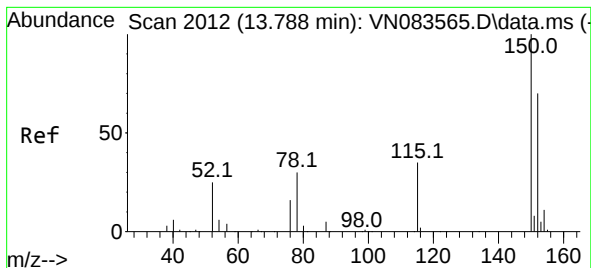
Tgt Ion:106 Resp: 3430
Ion Ratio Lower Upper
106 100
91 226.9 112.9 338.6



#71
Bromoform
Concen: 0.488 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

Tgt Ion:173 Resp: 706
Ion Ratio Lower Upper
173 100
175 703.3 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN083724.D

Acq: 09 Sep 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :

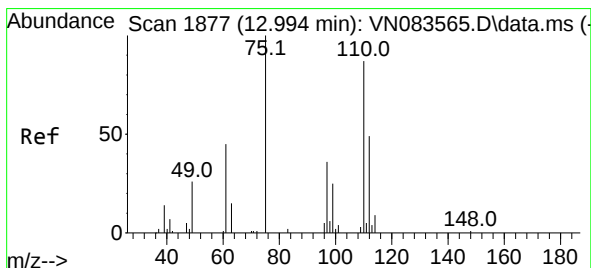
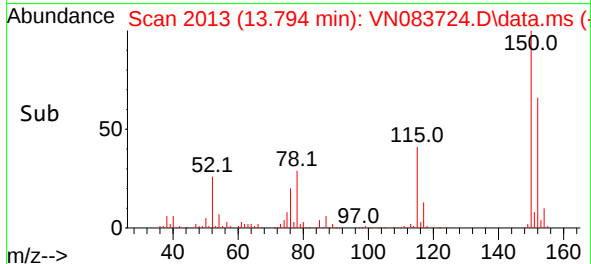
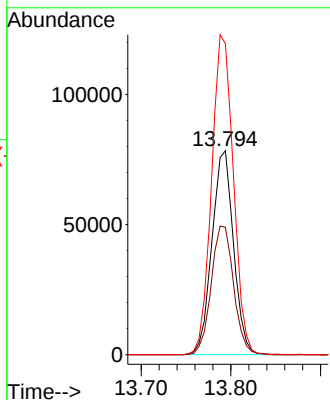
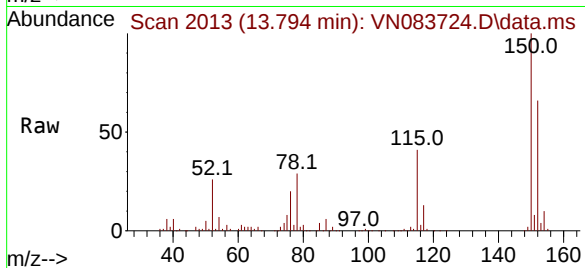
Tgt Ion:152 Resp: 130900

Ion Ratio Lower Upper

152 100

115 65.6 32.2 96.6

150 158.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.820 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083724.D

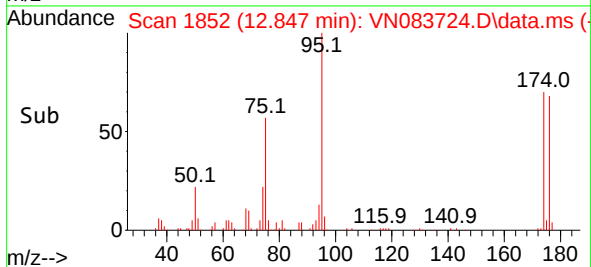
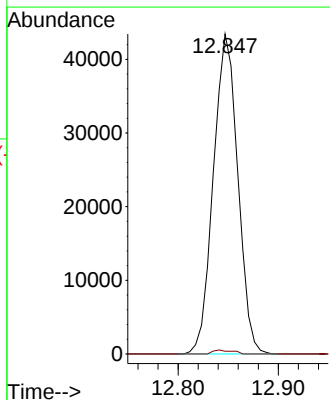
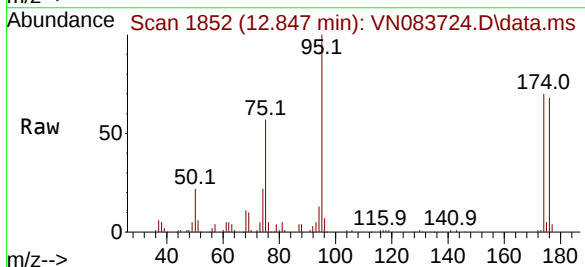
Acq: 09 Sep 2024 18:12

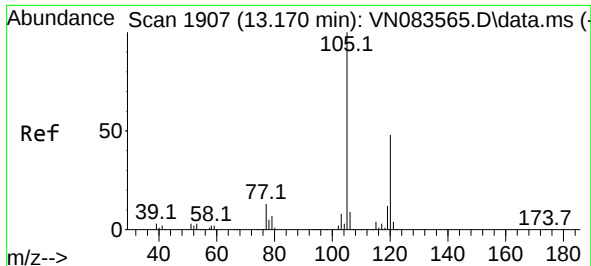
Tgt Ion: 75 Resp: 73525

Ion Ratio Lower Upper

75 100

77 1.0 95.2 285.6#

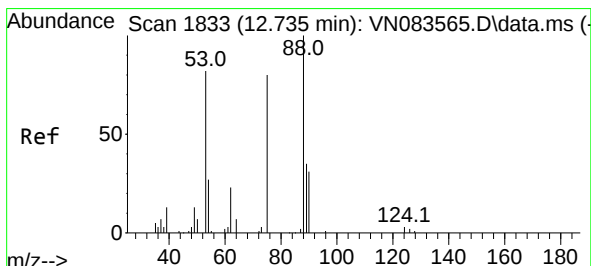
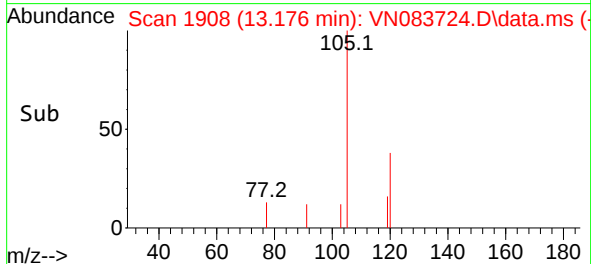
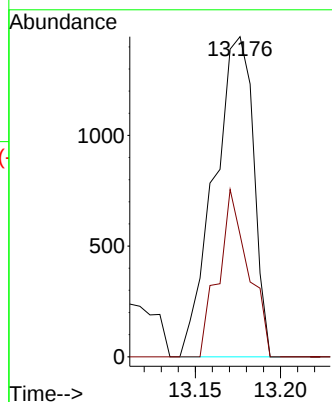
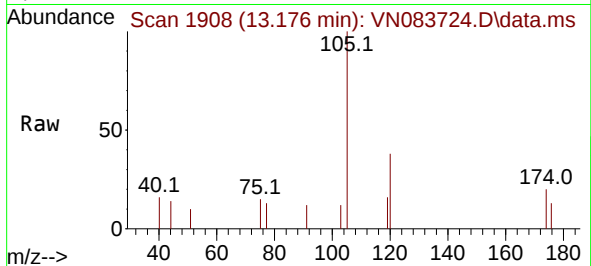




#80
1,3,5-Trimethylbenzene
Concen: 0.261 ug/l
RT: 13.176 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

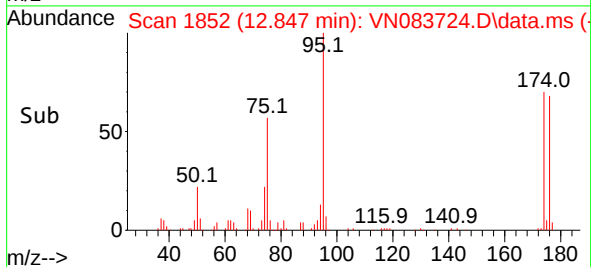
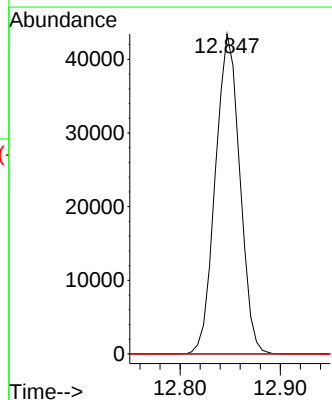
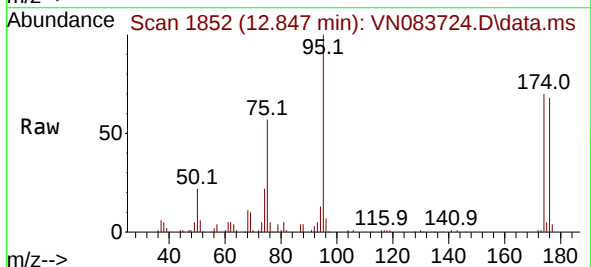
Instrument :
MSVOA_N
ClientSampleId :

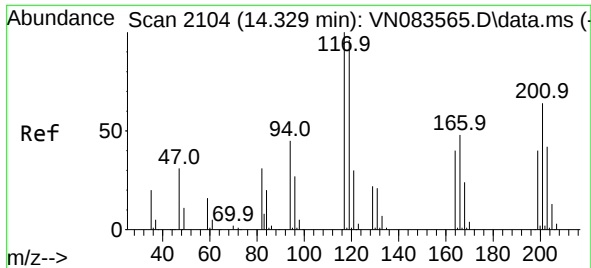
Tgt Ion:105 Resp: 2327
Ion Ratio Lower Upper
105 100
120 39.6 23.4 70.3



#81
trans-1,4-Dichloro-2-butene
Concen: 65.617 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083724.D
Acq: 09 Sep 2024 18:12

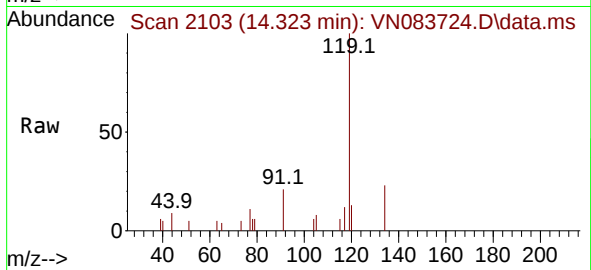
Tgt Ion: 75 Resp: 73525
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#90
 Hexachloroethane
 Concen: 0.310 ug/l
 RT: 14.323 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN083724.D
 Acq: 09 Sep 2024 18:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:117 Resp: 531
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.8 98.3#

