

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083598.D
 Acq On : 31 Aug 2024 06:33
 Operator : JC\MD
 Sample : P3769-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 00:59:04 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)

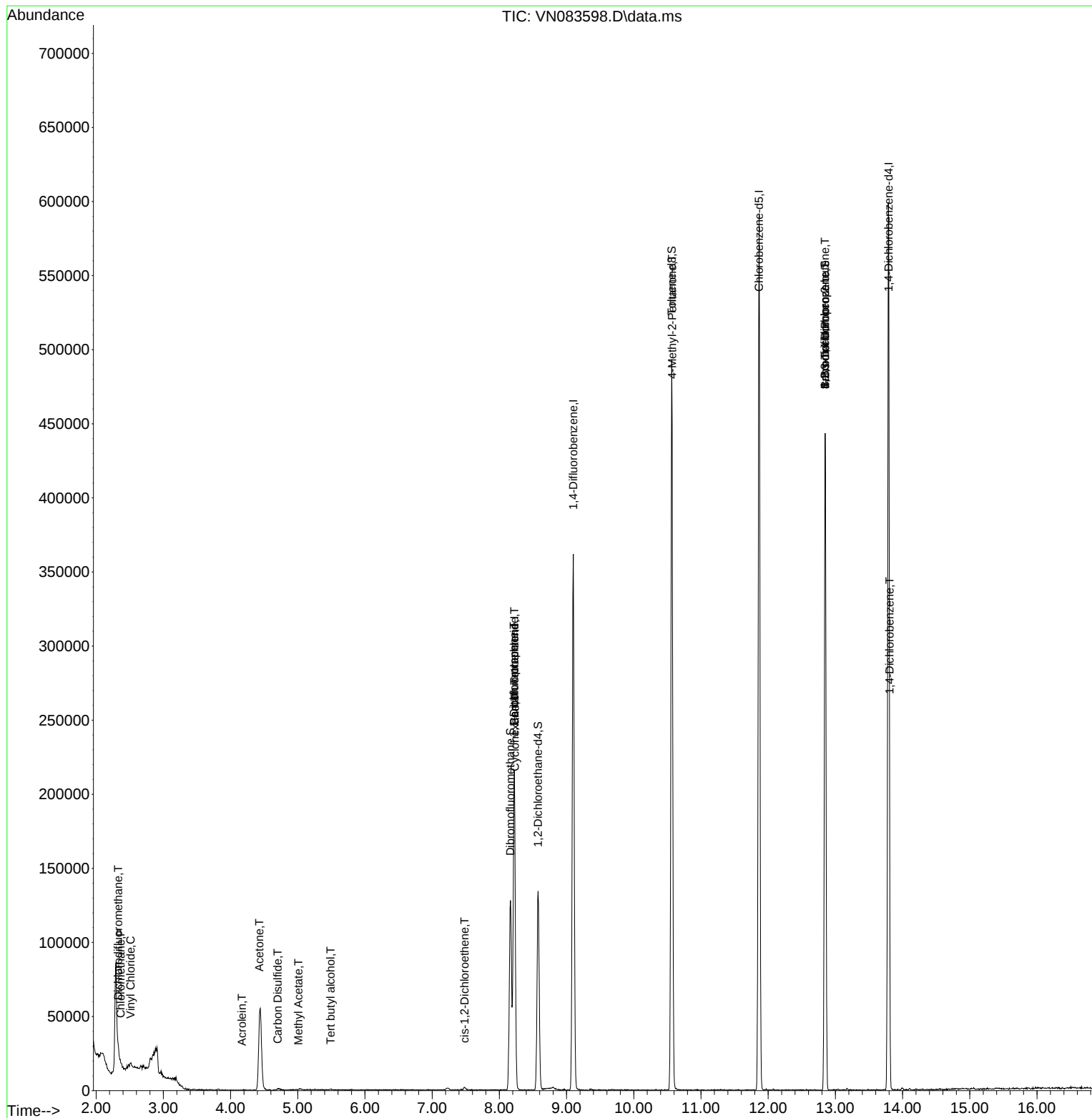
Internal Standards						
1) Pentafluorobenzene	8.224	168	145320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	114644	56.447	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.900%	
35) Dibromofluoromethane	8.165	113	92415	51.709	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	103.420%	
50) Toluene-d8	10.565	98	330713	47.522	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.040%	
62) 4-Bromofluorobenzene	12.847	95	156347	60.642	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	121.280%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.330	85	411	0.267	ug/l #	43
3) Chloromethane	2.365	50	1396	0.779	ug/l #	81
4) Vinyl Chloride	2.512	62	1150	0.641	ug/l #	1
11) Tert butyl alcohol	5.488	59	186	0.587	ug/l #	71
13) Acrolein	4.171	56	66	0.220	ug/l #	13
16) Acetone	4.430	43	3178	3.924	ug/l #	86
17) Carbon Disulfide	4.700	76	1809	0.390	ug/l #	75
18) Methyl Acetate	5.012	43	644	0.299	ug/l #	52
27) cis-1,2-Dichloroethene	7.482	96	1053	0.532	ug/l	88
31) Cyclohexane	8.229	56	3970	1.264	ug/l #	31
36) 1,1-Dichloropropene	8.218	75	13445	4.932	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16529	5.314	ug/l #	15
43) Isopropyl Acetate	8.694	43	620	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.570	43	1692	0.671	ug/l #	1
71) Bromoform	12.847	173	738	0.426	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	87573	28.319	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87573	66.792	ug/l #	9
88) 1,4-Dichlorobenzene	13.806	146	1281	0.221	ug/l #	1

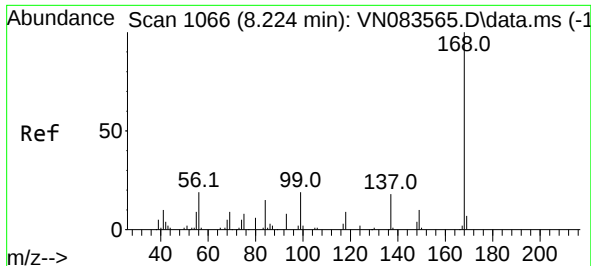
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 31 00:48:10 2024
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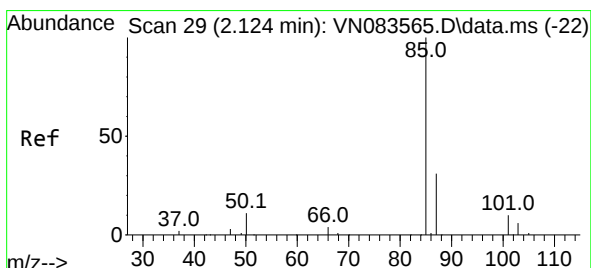
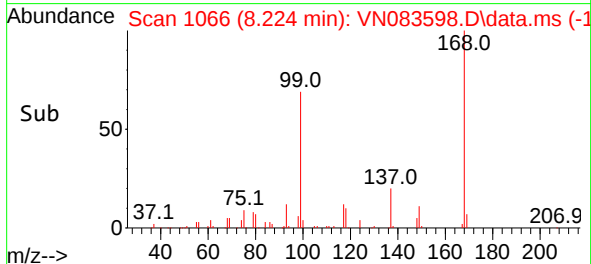
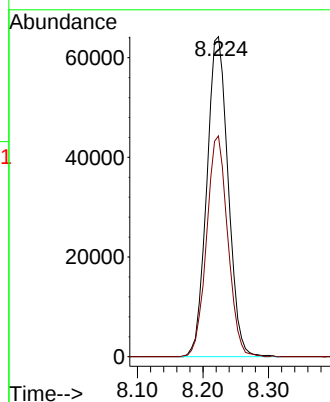
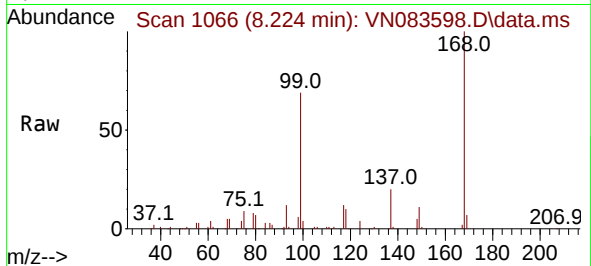




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

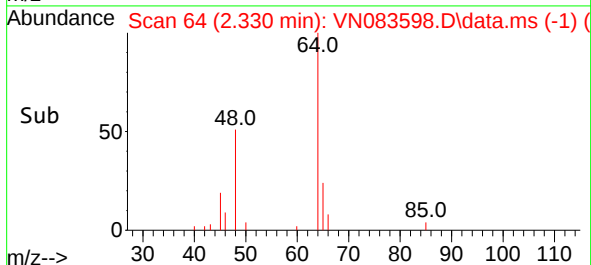
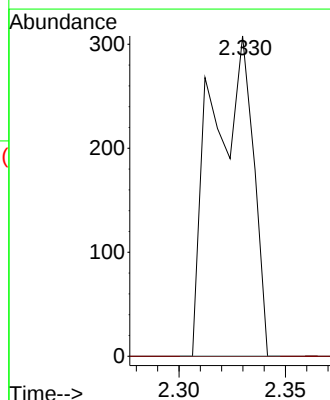
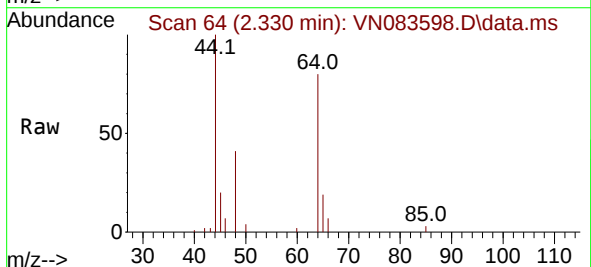
Instrument :
MSVOA_N
ClientSampleId :

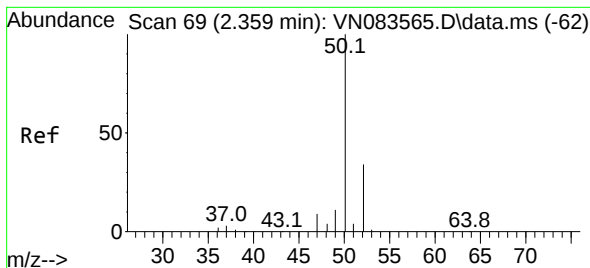
Tgt Ion:168 Resp: 145320
Ion Ratio Lower Upper
168 100
99 69.0 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.267 ug/l
RT: 2.330 min Scan# 64
Delta R.T. 0.206 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Tgt Ion: 85 Resp: 411
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#





#3

Chloromethane

Concen: 0.779 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

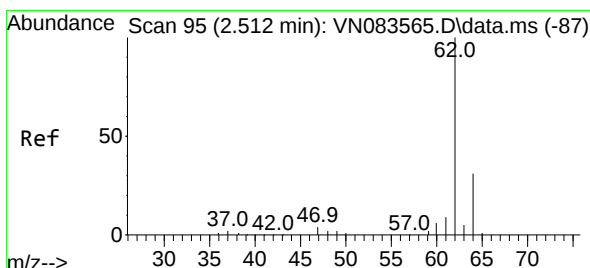
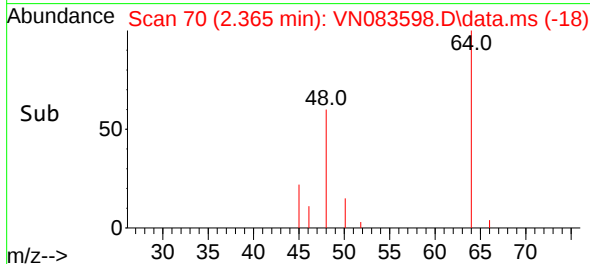
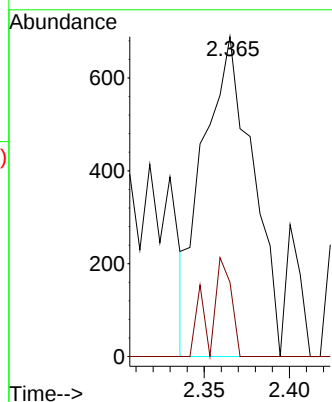
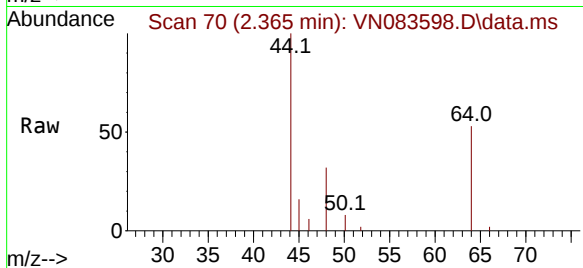
ClientSampleId :

Tgt Ion: 50 Resp: 1396

Ion Ratio Lower Upper

50 100

52 23.2 27.2 40.8#



#4

Vinyl Chloride

Concen: 0.641 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN083598.D

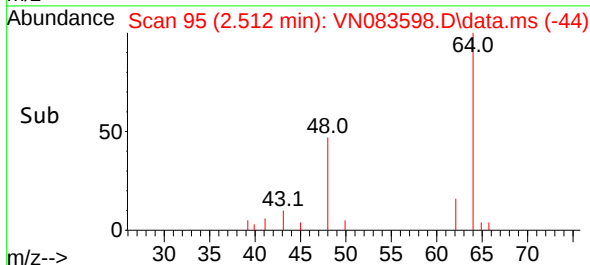
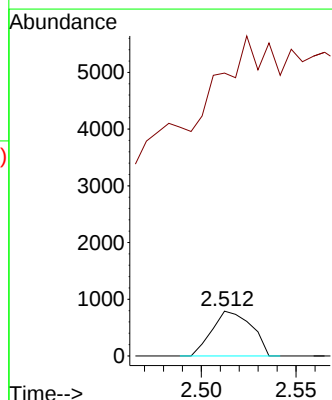
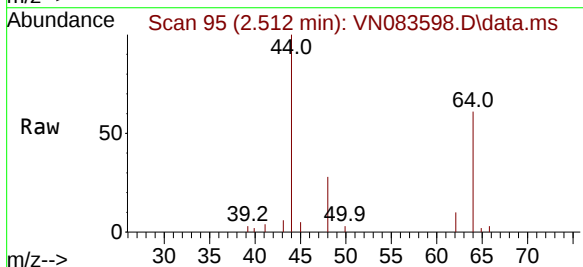
Acq: 31 Aug 2024 06:33

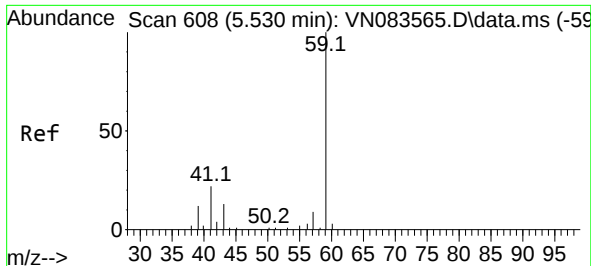
Tgt Ion: 62 Resp: 1150

Ion Ratio Lower Upper

62 100

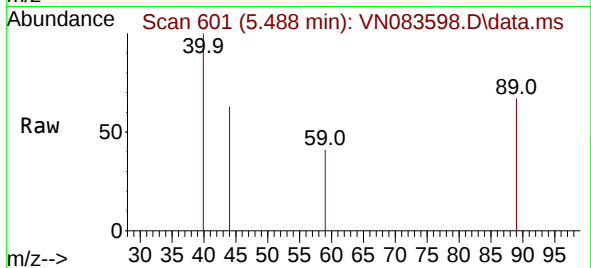
64 120.9 24.7 37.1#



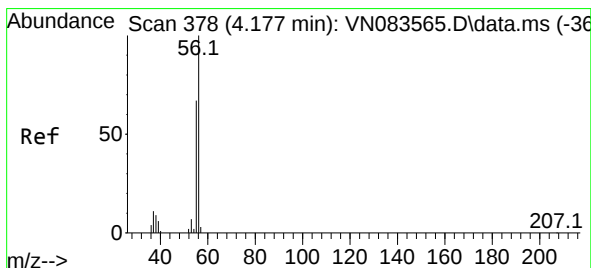
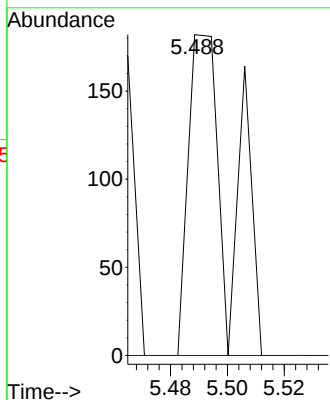
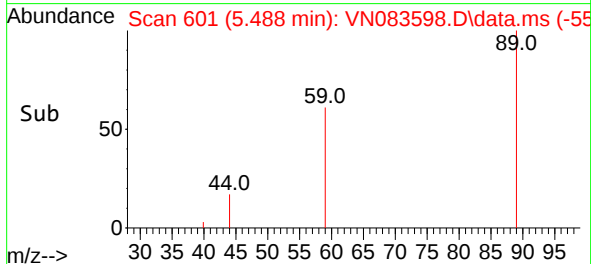


#11
Tert butyl alcohol
Concen: 0.587 ug/l
RT: 5.488 min Scan# 608
Delta R.T. -0.041 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Instrument :
MSVOA_N
ClientSampleId :

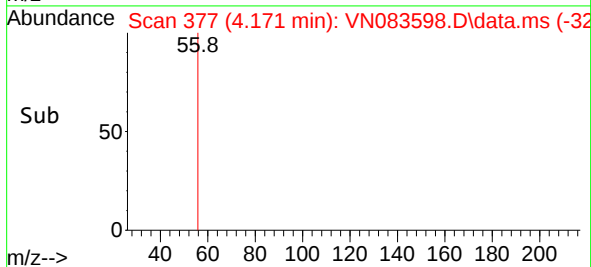
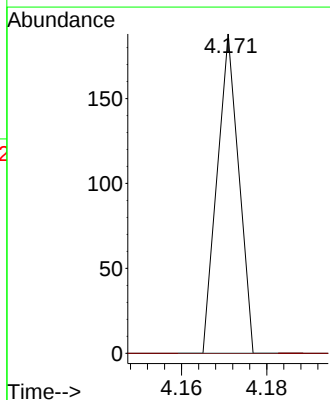
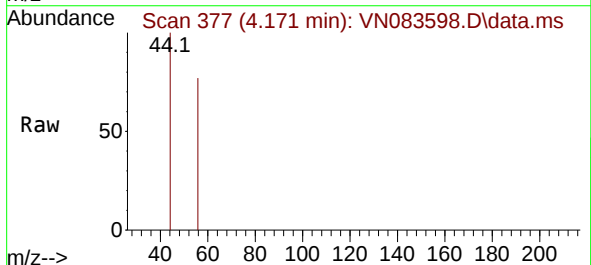


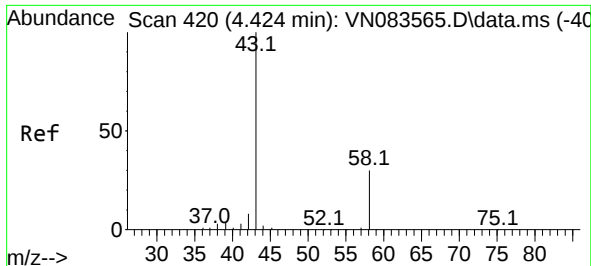
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.220 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

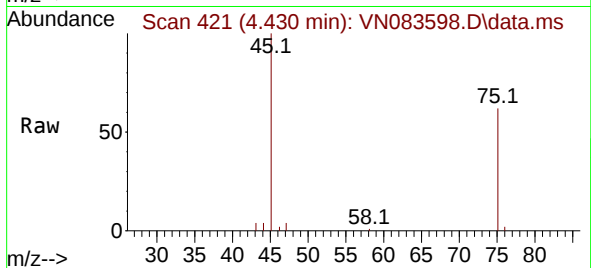
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



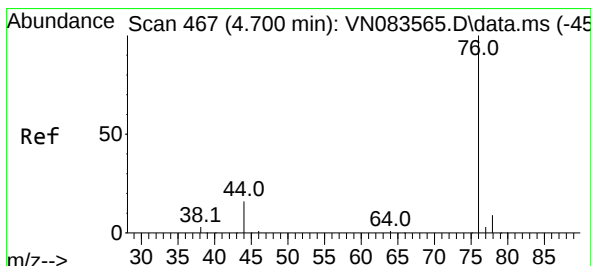
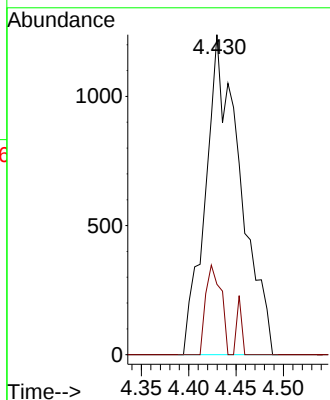
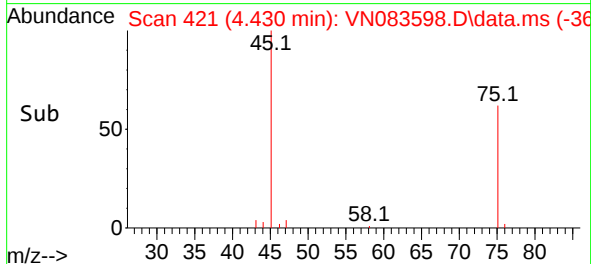


#16
Acetone
Concen: 3.924 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

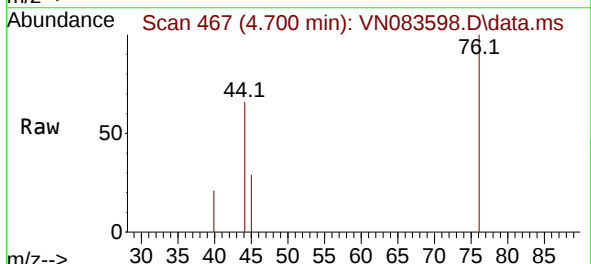
Instrument :
MSVOA_N
ClientSampleId :



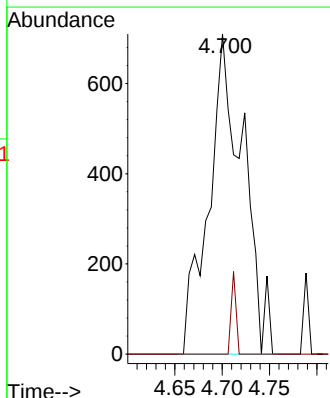
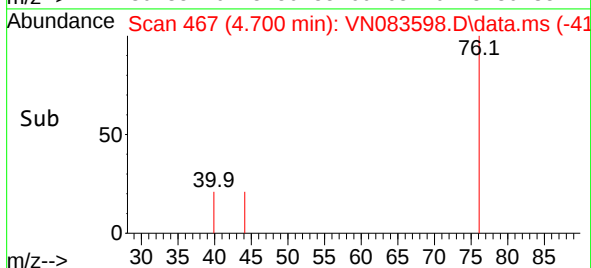
Tgt Ion: 43 Resp: 3178
Ion Ratio Lower Upper
43 100
58 22.0 23.7 35.5#

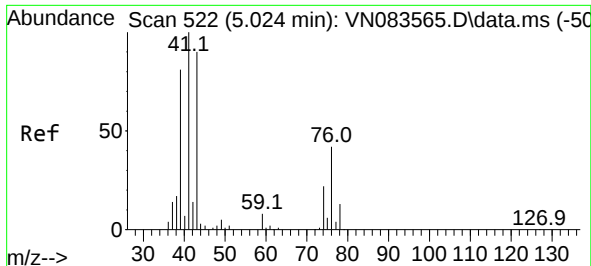


#17
Carbon Disulfide
Concen: 0.390 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33



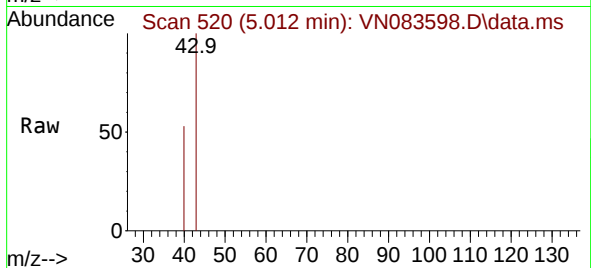
Tgt Ion: 76 Resp: 1809
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



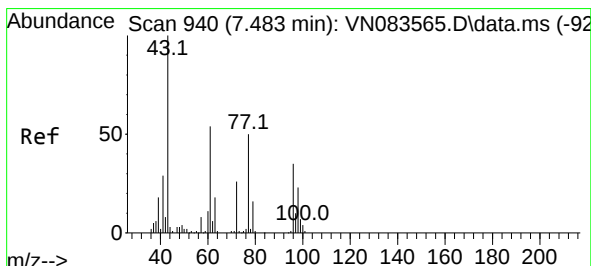
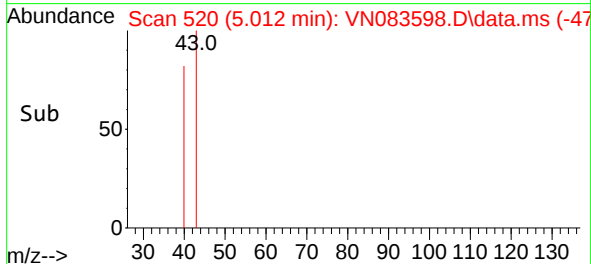
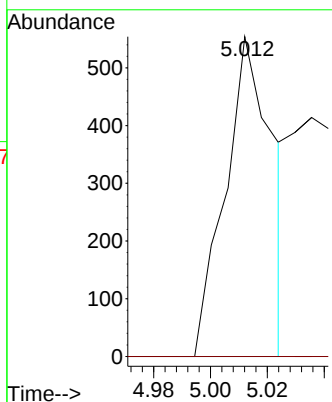


#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Instrument :
MSVOA_N
ClientSampleId :

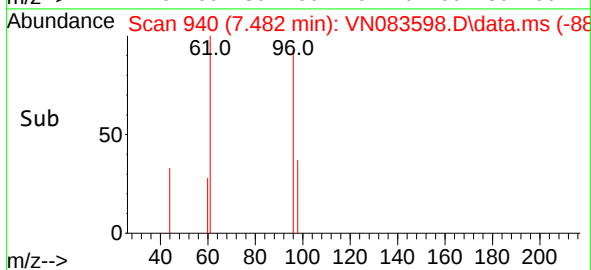
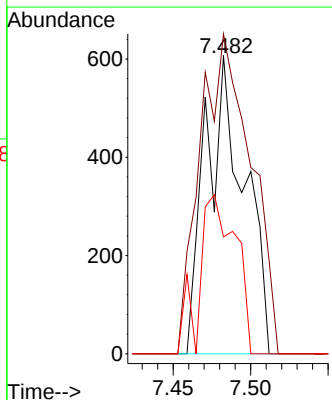
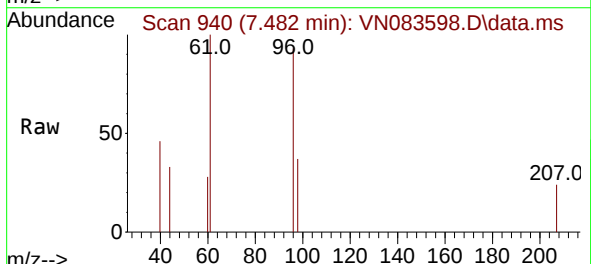


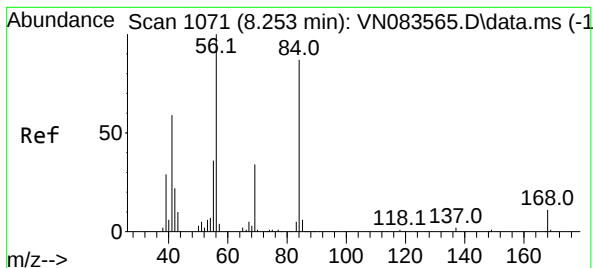
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#27
cis-1,2-Dichloroethene
Concen: 0.532 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Tgt Ion: 96 Resp: 1053
Ion Ratio Lower Upper
96 100
61 140.4 0.0 306.2
98 50.1 0.0 128.6





#31

Cyclohexane

Concen: 1.264 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.024 min

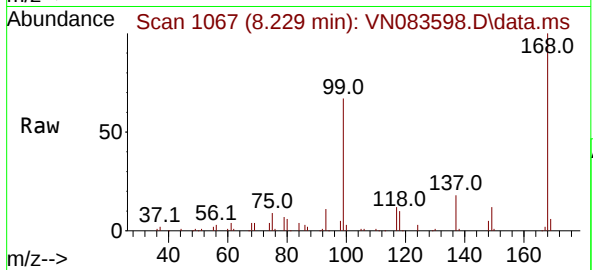
Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

ClientSampleId :



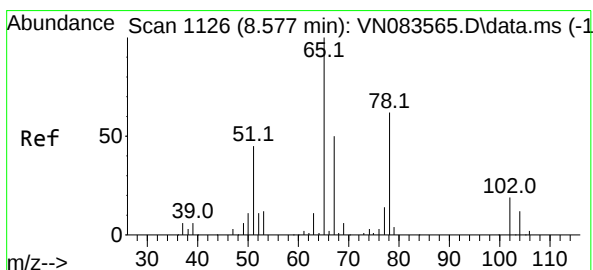
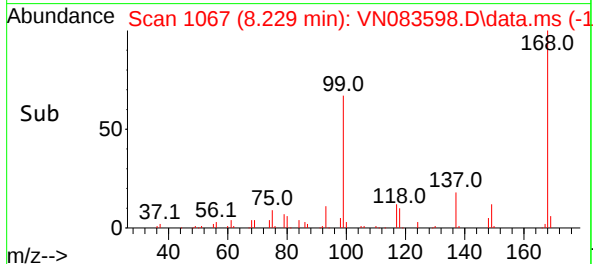
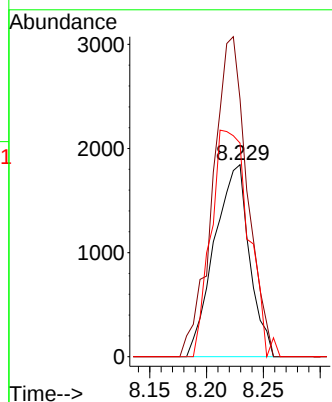
Tgt Ion: 56 Resp: 3970

Ion Ratio Lower Upper

56 100

69 134.1 26.9 40.3#

84 111.3 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 56.447 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083598.D

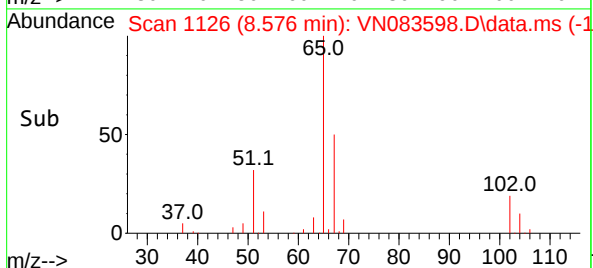
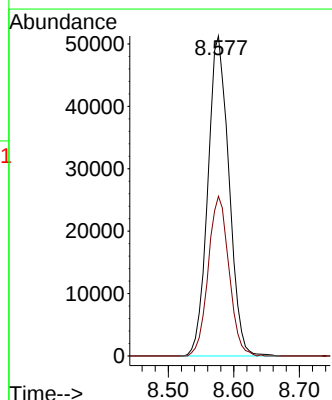
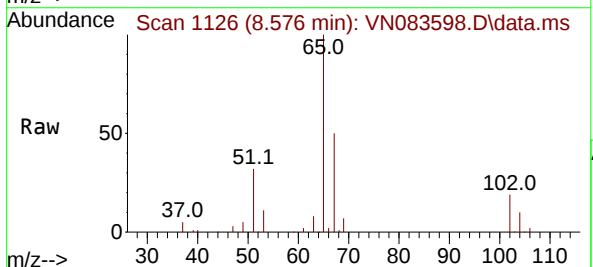
Acq: 31 Aug 2024 06:33

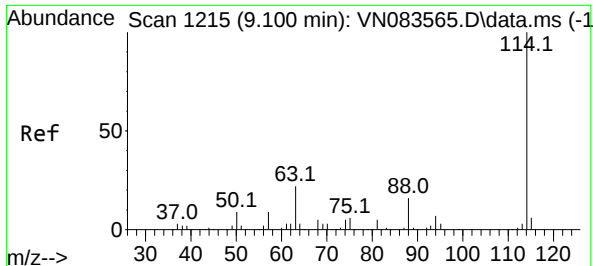
Tgt Ion: 65 Resp: 114644

Ion Ratio Lower Upper

65 100

67 49.0 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: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

ClientSampleId :

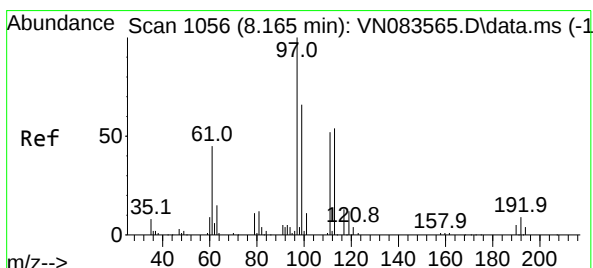
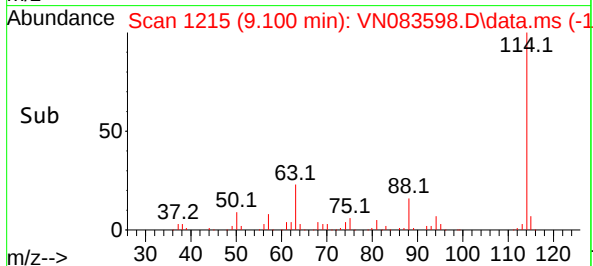
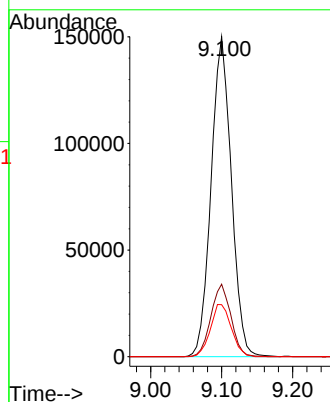
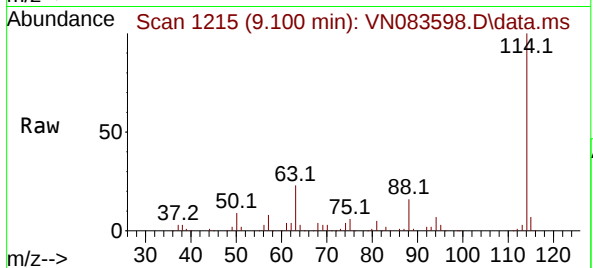
Tgt Ion:114 Resp: 296941

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.709 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

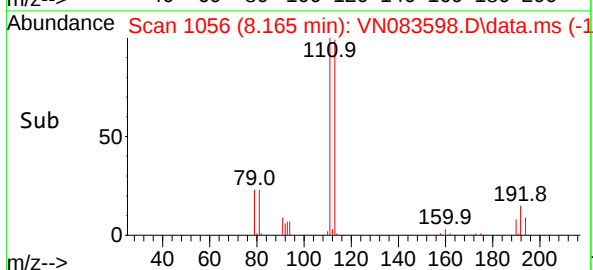
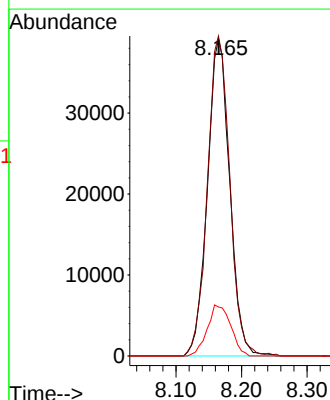
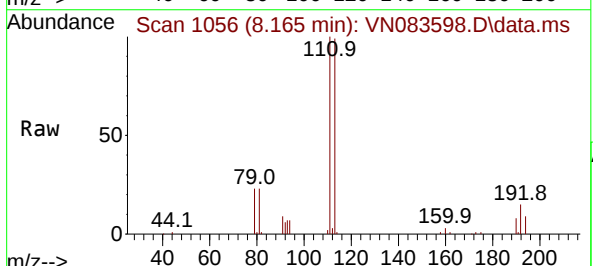
Tgt Ion:113 Resp: 92415

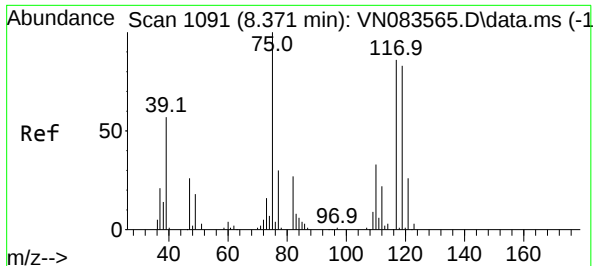
Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

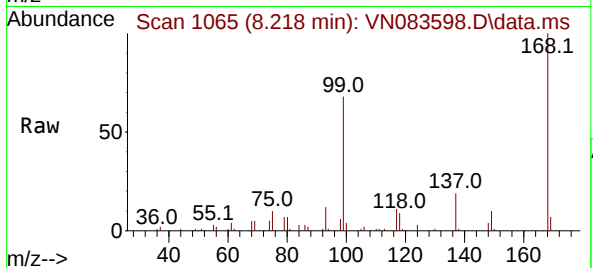
Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

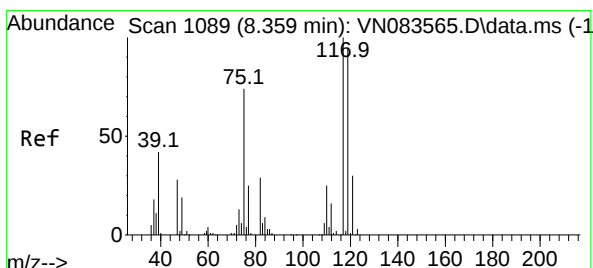
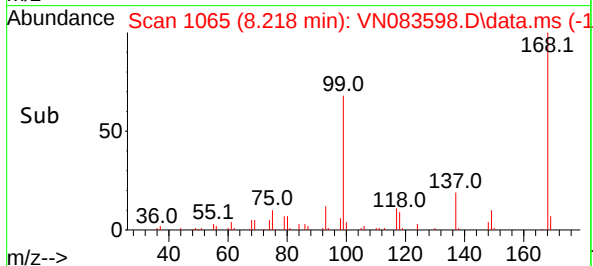
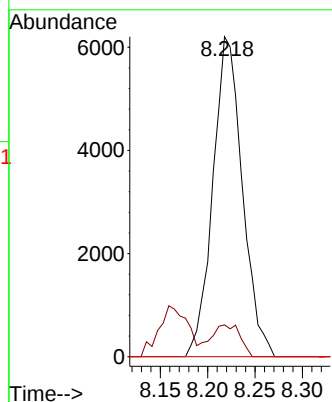
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13445
Ion Ratio	Lower	Upper	
75	100		
110	9.4	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.314 ug/l

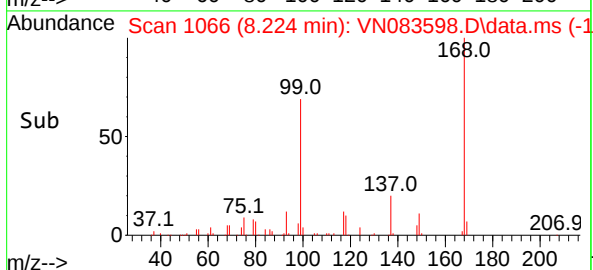
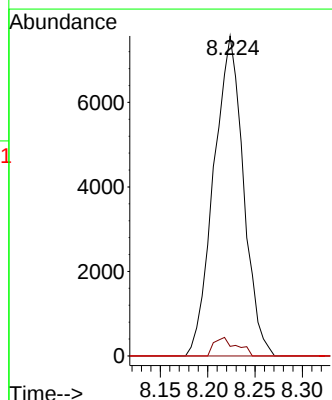
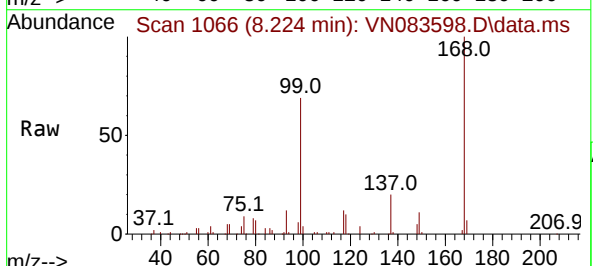
RT: 8.224 min Scan# 1066

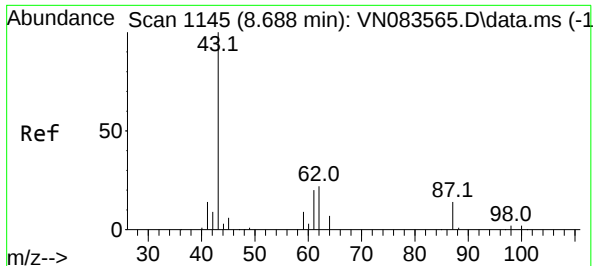
Delta R.T. -0.135 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

Tgt Ion:	117	Resp:	16529
Ion Ratio	Lower	Upper	
117	100		
119	3.0	76.1	114.1#
121	0.0	24.1	36.1#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

ClientSampleId :

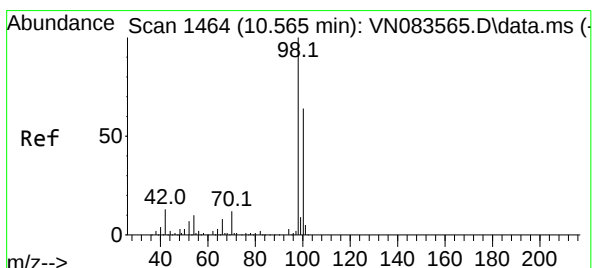
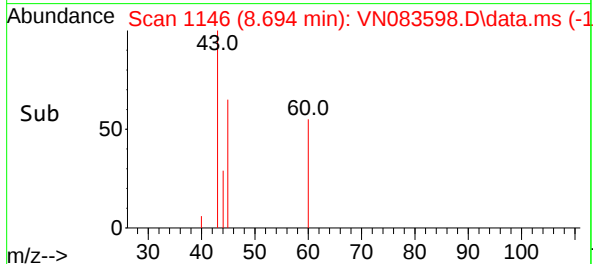
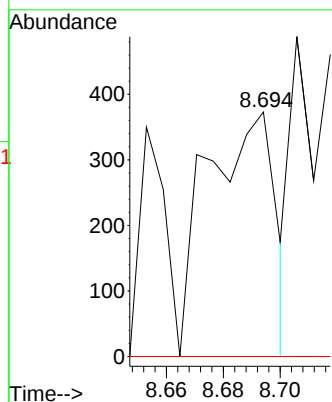
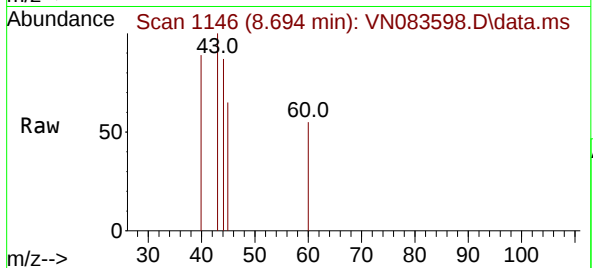
Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#50

Toluene-d8

Concen: 47.522 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083598.D

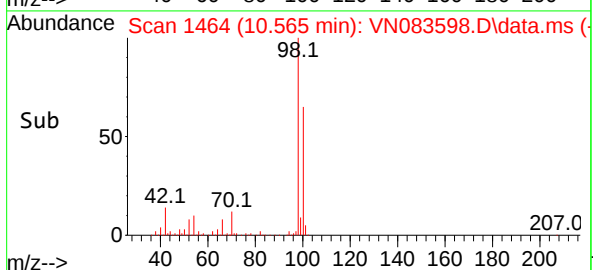
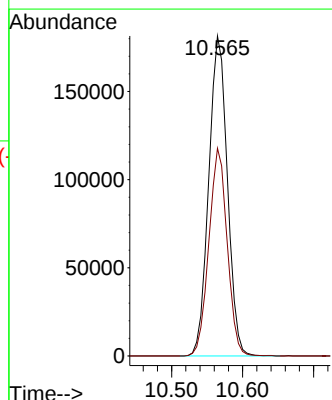
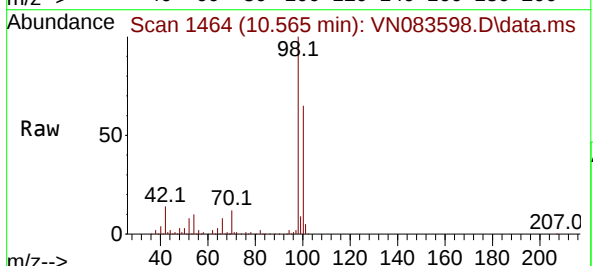
Acq: 31 Aug 2024 06:33

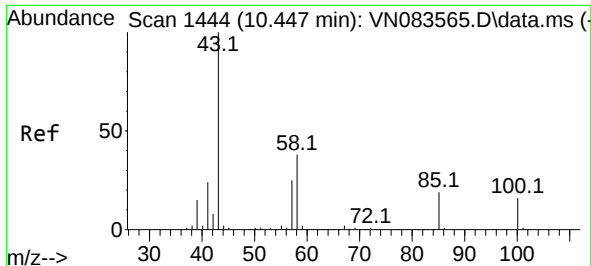
Tgt Ion: 98 Resp: 330713

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.671 ug/l

RT: 10.570 min Scan# 1444

Delta R.T. 0.123 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

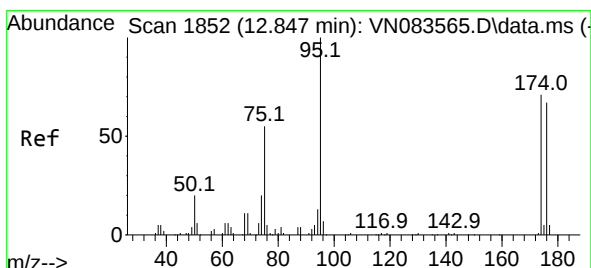
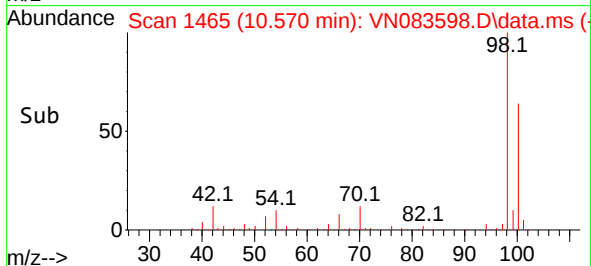
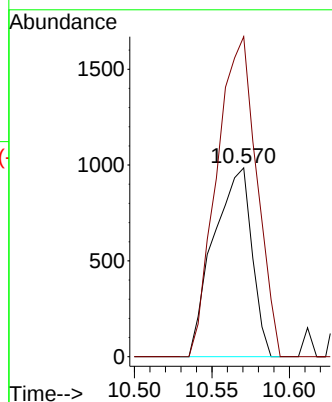
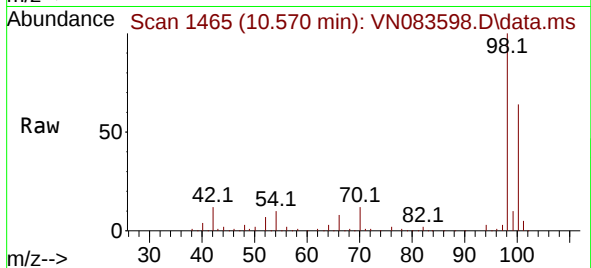
ClientSampleId :

Tgt Ion: 43 Resp: 1692

Ion Ratio Lower Upper

43 100

58 176.8 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 60.642 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083598.D

Acq: 31 Aug 2024 06:33

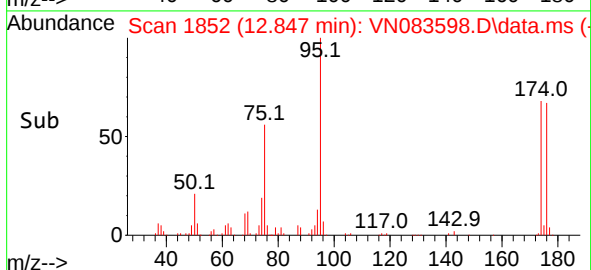
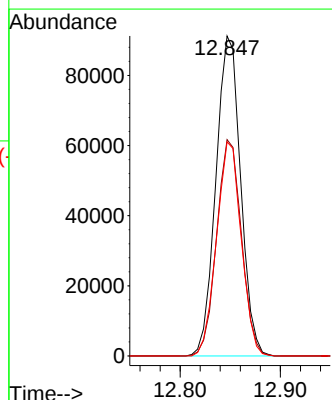
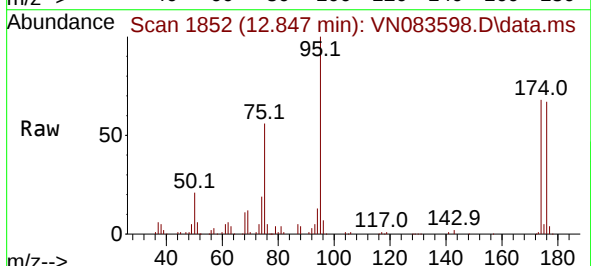
Tgt Ion: 95 Resp: 156347

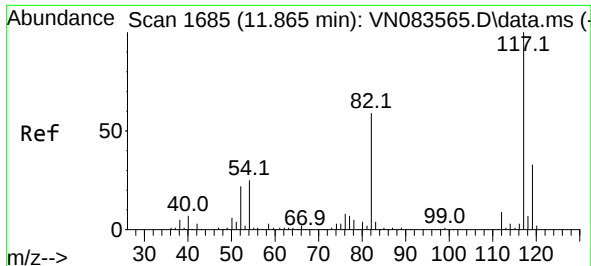
Ion Ratio Lower Upper

95 100

174 67.8 0.0 139.8

176 66.5 0.0 131.4

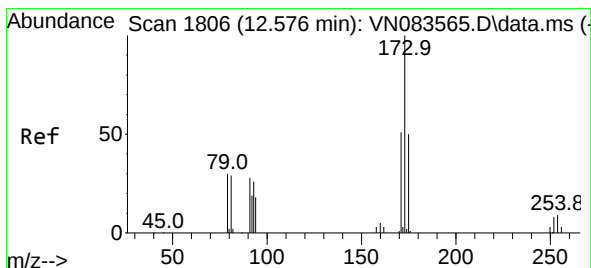
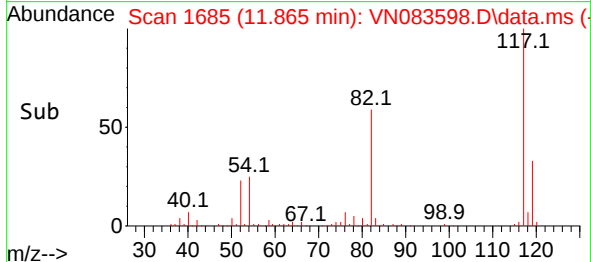
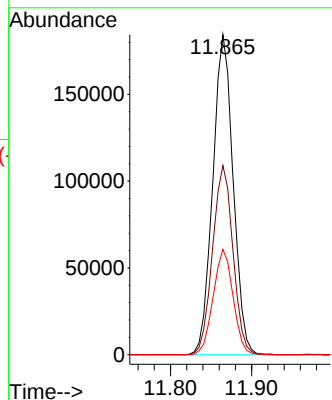
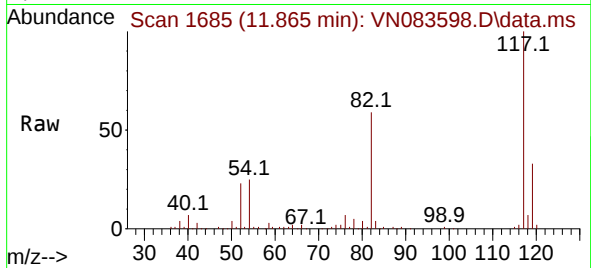




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

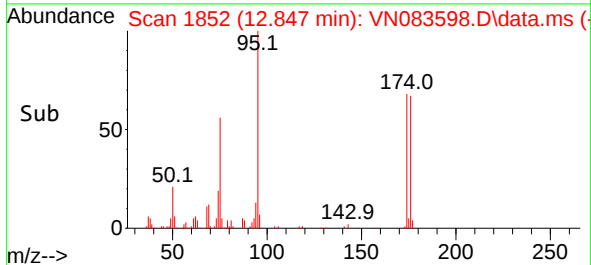
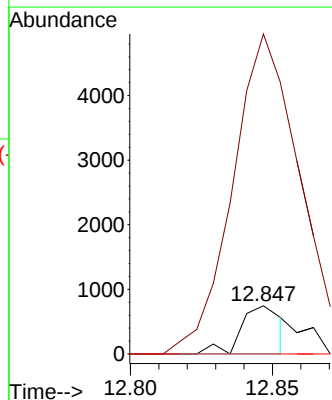
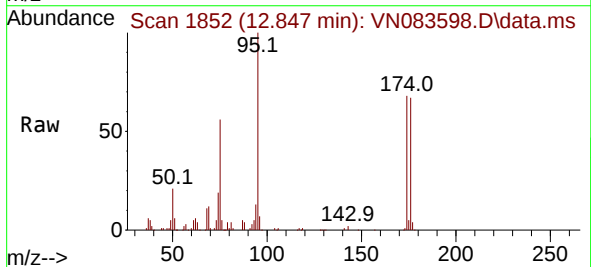
Instrument :
MSVOA_N
ClientSampleId :

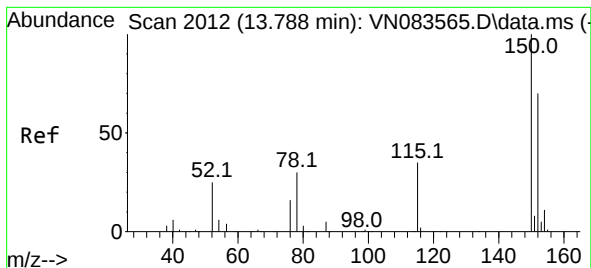
Tgt Ion:117 Resp: 321468
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 32.9 26.3 39.5



#71
Bromoform
Concen: 0.426 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 824.5 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: VN083598.D

Acq: 31 Aug 2024 06:33

Instrument :

MSVOA_N

ClientSampleId :

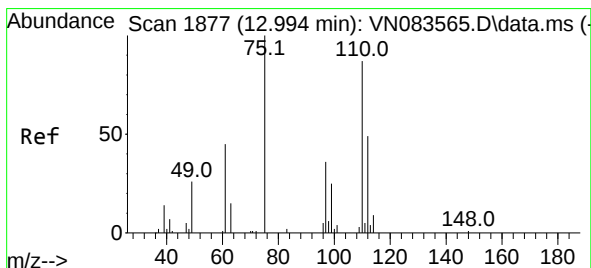
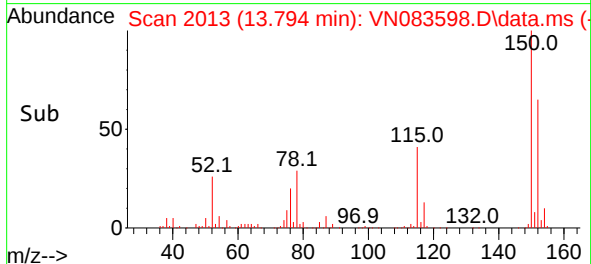
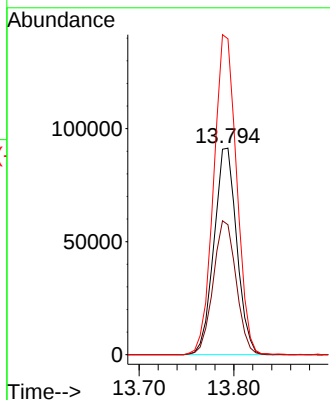
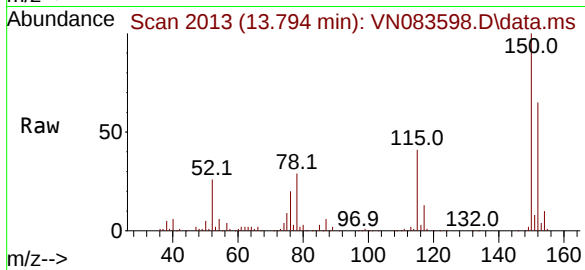
Tgt Ion:152 Resp: 153167

Ion Ratio Lower Upper

152 100

115 65.2 32.2 96.6

150 156.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.319 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083598.D

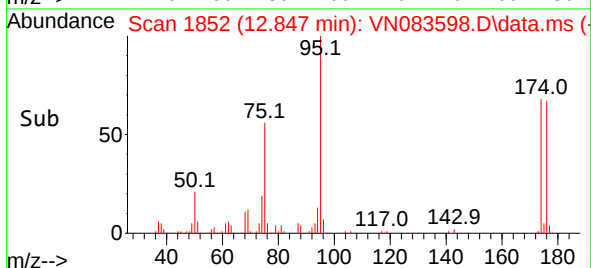
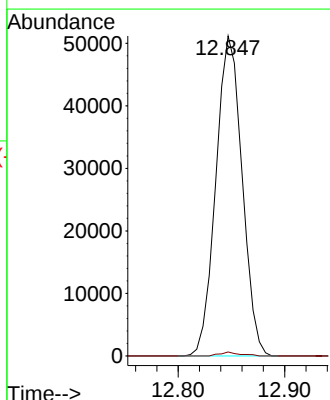
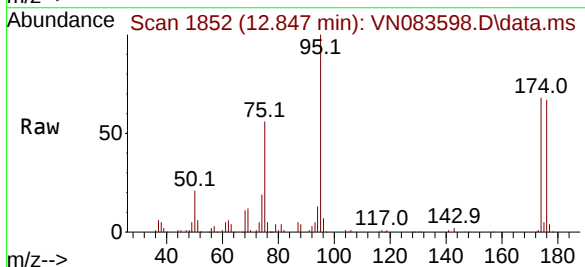
Acq: 31 Aug 2024 06:33

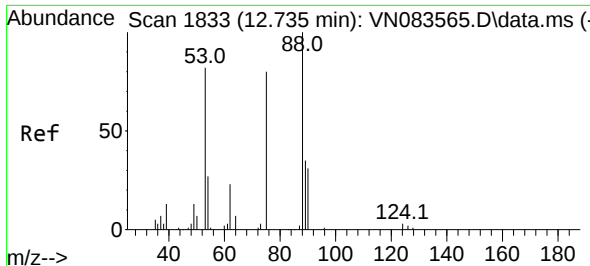
Tgt Ion: 75 Resp: 87573

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#

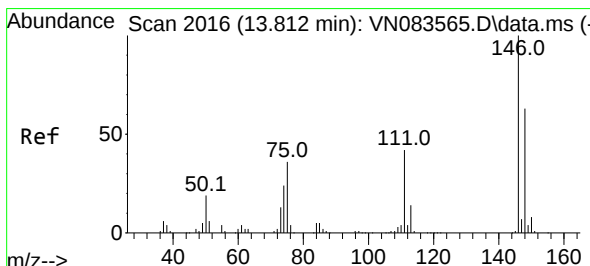
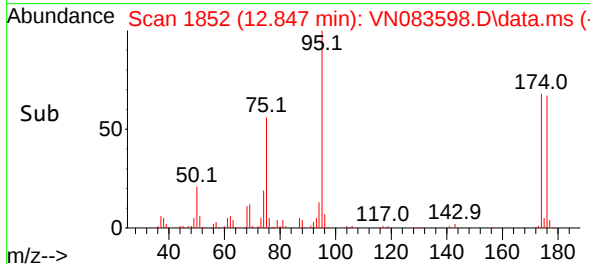
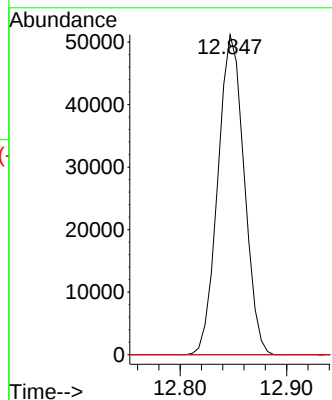
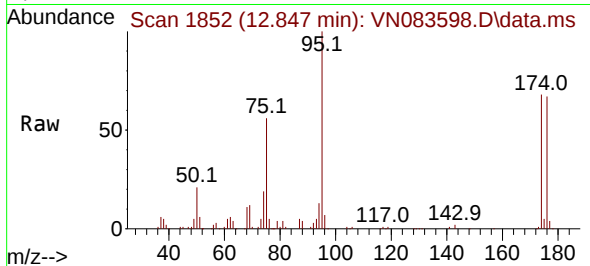




#81
trans-1,4-Dichloro-2-butene
Concen: 66.792 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 87573
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN083598.D
Acq: 31 Aug 2024 06:33

Tgt Ion: 146 Resp: 1281
Ion Ratio Lower Upper
146 100
111 186.2 21.3 64.0#
148 101.0 32.0 96.2#

