

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090424\
 Data File : VN083656.D
 Acq On : 04 Sep 2024 17:54
 Operator : JC\MD
 Sample : P3804-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:29:29 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)

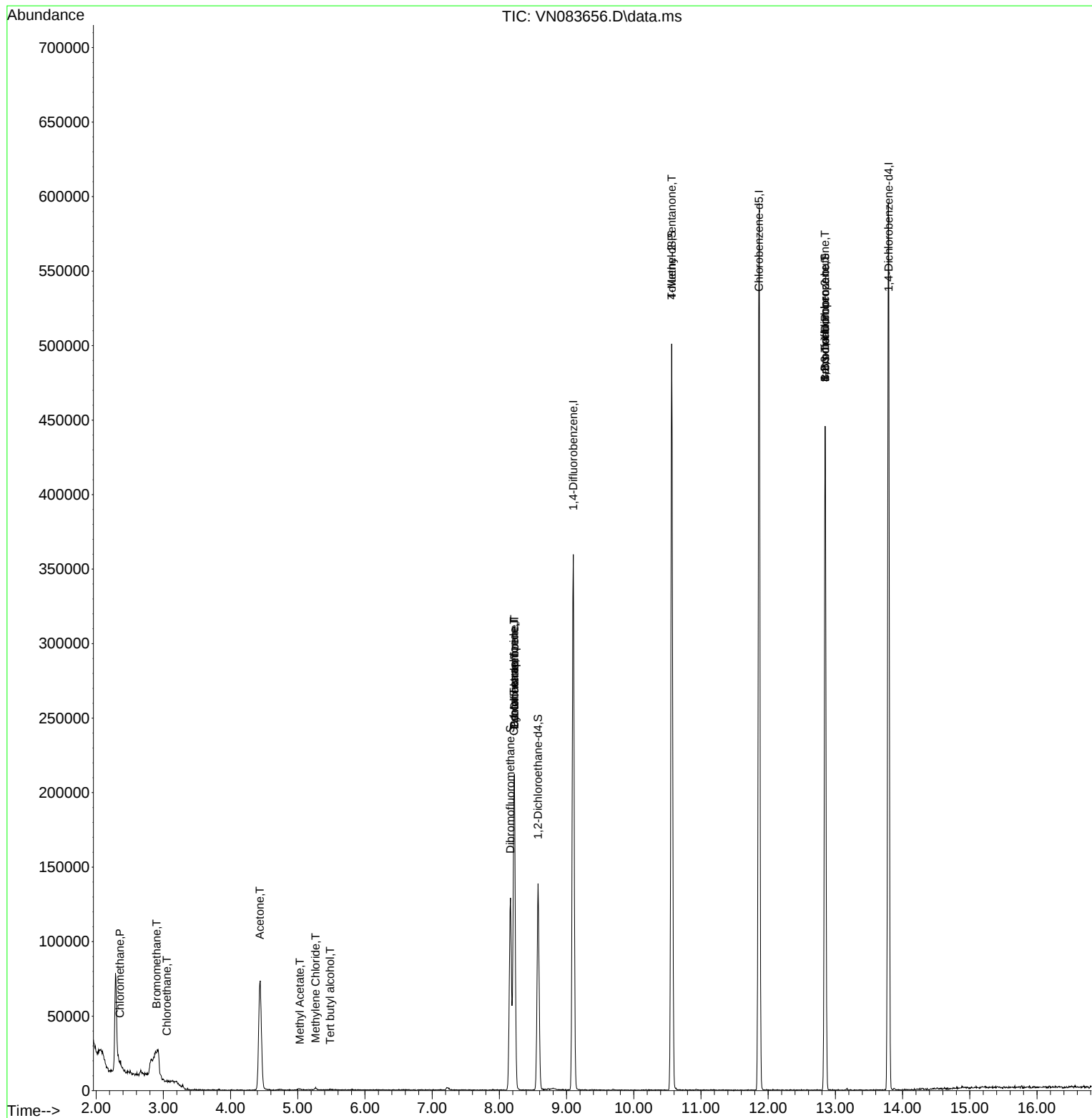
Internal Standards						
1) Pentafluorobenzene	8.224	168	146194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111815	54.725	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.460%		
35) Dibromofluoromethane	8.165	113	89515	50.245	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.480%		
50) Toluene-d8	10.565	98	329850	47.547	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.100%		
62) 4-Bromofluorobenzene	12.847	95	155905	60.662	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 121.320%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	2044	1.134	ug/l	92
5) Bromomethane	2.901	94	330	0.348	ug/l #	57
6) Chloroethane	3.053	64	630	0.534	ug/l #	45
11) Tert butyl alcohol	5.483	59	89	0.279	ug/l #	71
16) Acetone	4.436	43	1970	2.418	ug/l #	45
18) Methyl Acetate	5.030	43	1040	0.480	ug/l #	64
20) Methylene Chloride	5.265	84	546	0.303	ug/l #	80
31) Cyclohexane	8.224	56	3722	1.178	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13249	4.875	ug/l #	51
38) Carbon Tetrachloride	8.218	117	16759	5.405	ug/l #	15
43) Isopropyl Acetate	8.694	43	578	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.565	43	1684	0.670	ug/l #	1
71) Bromoform	12.847	173	645	0.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85994	27.961	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85994	65.949	ug/l #	9

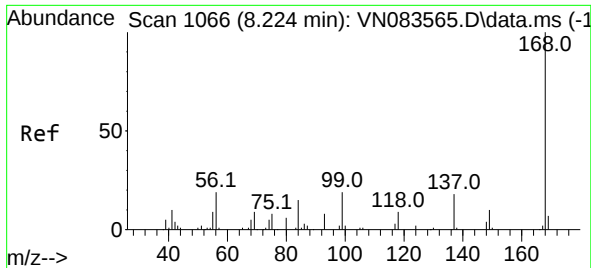
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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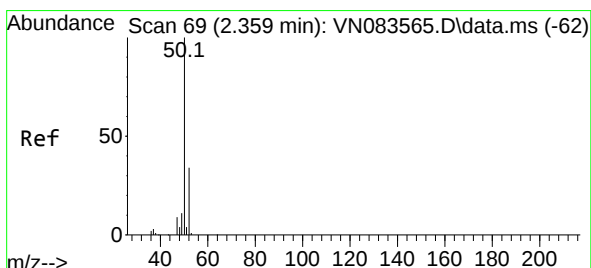
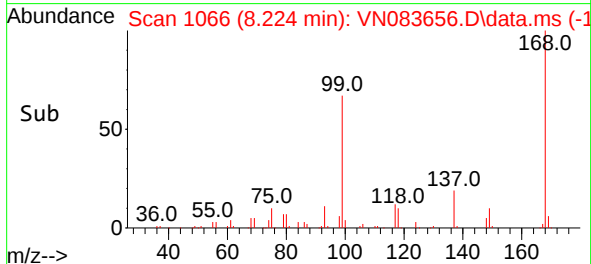
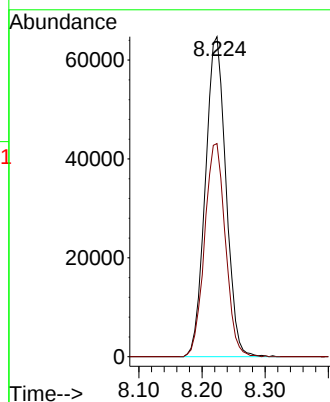
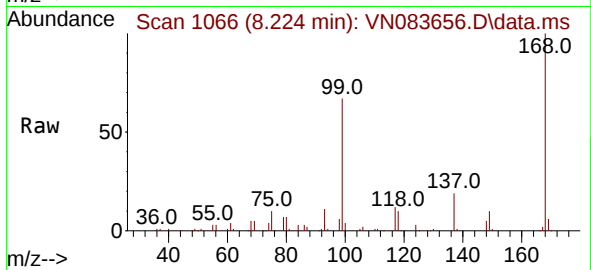




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

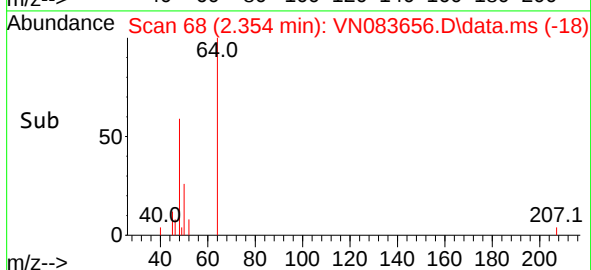
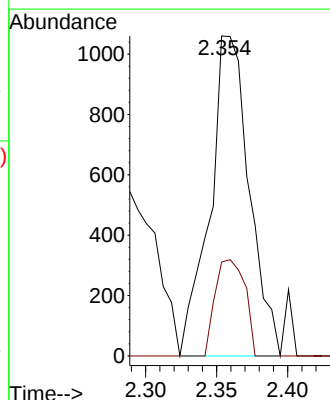
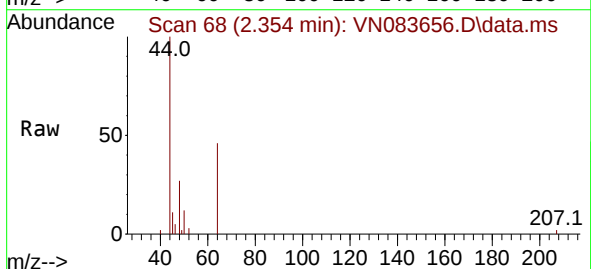
Instrument :
MSVOA_N
ClientSampleId :

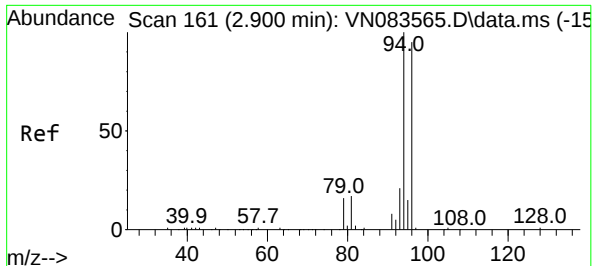
Tgt Ion:168 Resp: 146194
Ion Ratio Lower Upper
168 100
99 66.6 54.2 81.2



#3
Chloromethane
Concen: 1.134 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion: 50 Resp: 2044
Ion Ratio Lower Upper
50 100
52 29.3 27.2 40.8

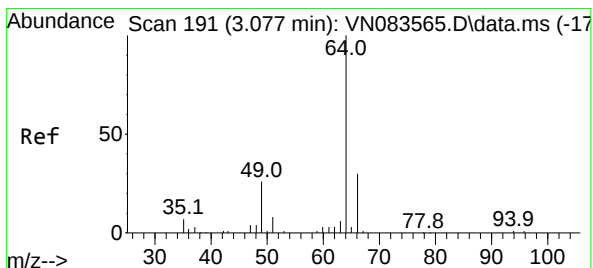
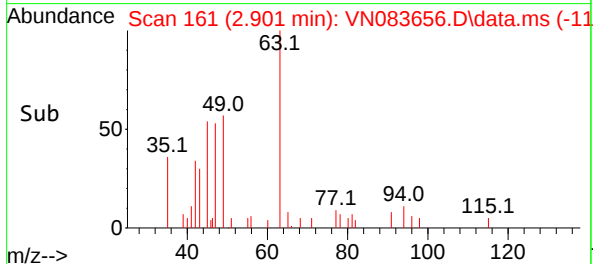
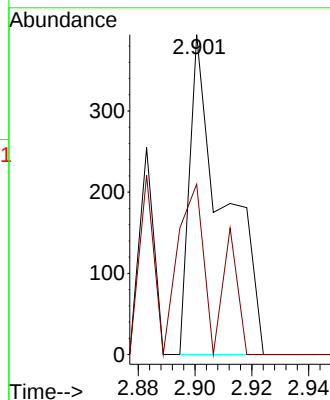
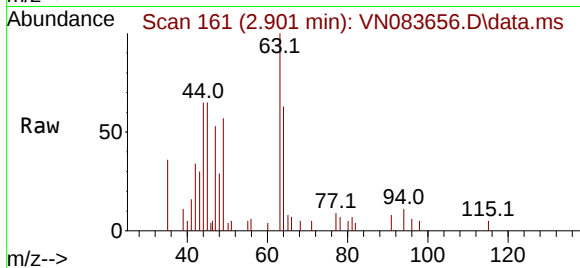




#5
Bromomethane
Concen: 0.348 ug/l
RT: 2.901 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

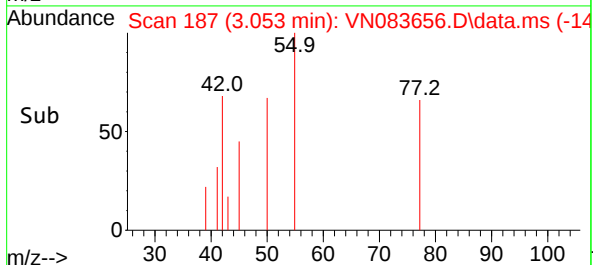
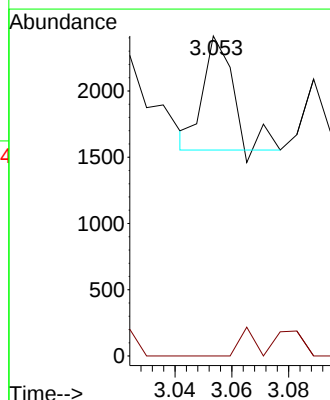
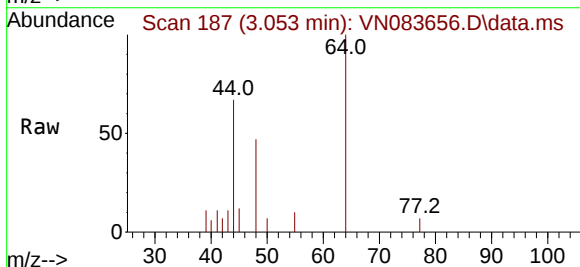
Instrument :
MSVOA_N
ClientSampleId :

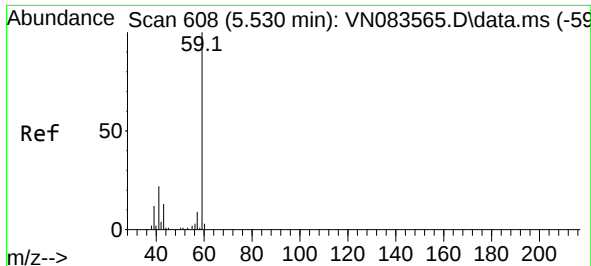
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 53.3 76.0 114.0#



#6
Chloroethane
Concen: 0.534 ug/l
RT: 3.053 min Scan# 187
Delta R.T. -0.023 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

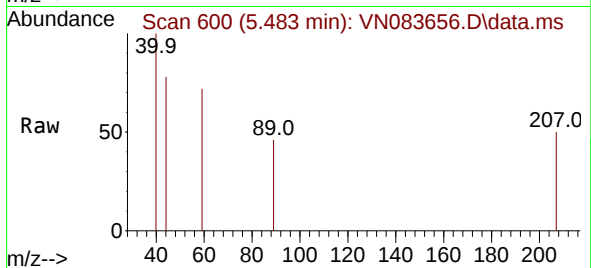
Tgt Ion: 64 Resp: 630
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



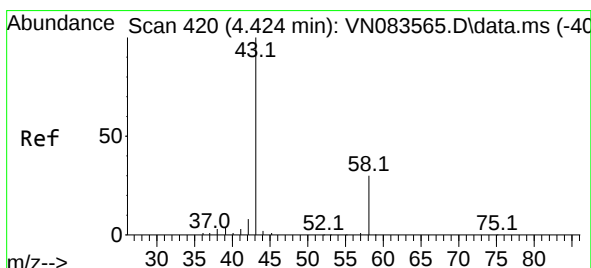
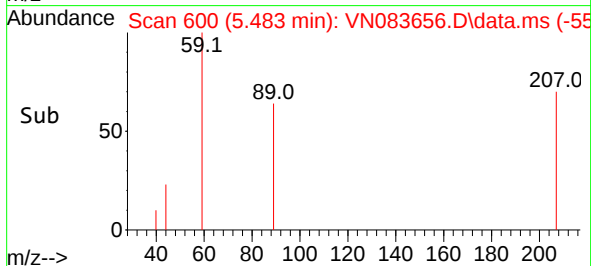
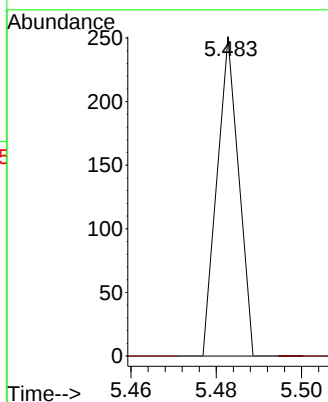


#11
Tert butyl alcohol
Concen: 0.279 ug/l
RT: 5.483 min Scan# 608
Delta R.T. -0.047 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

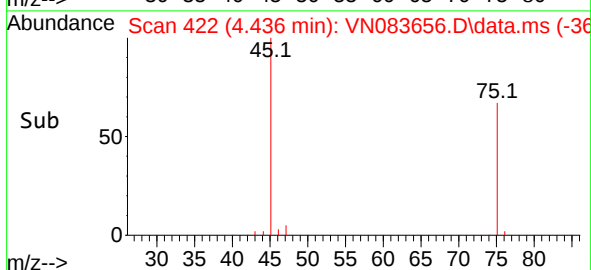
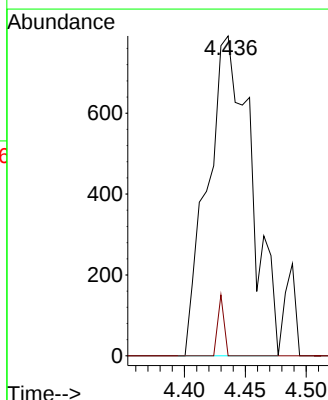
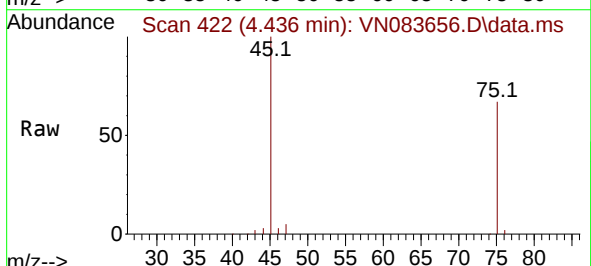


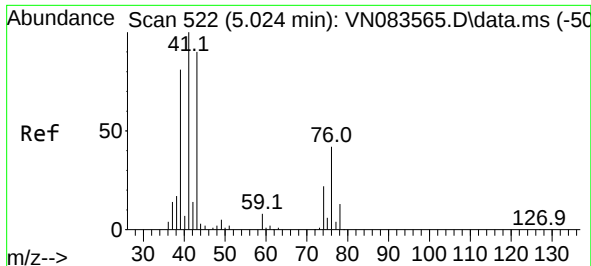
Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 2.418 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#

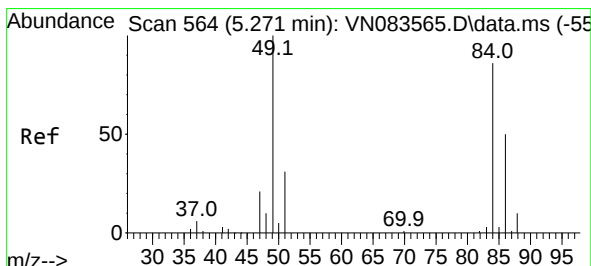
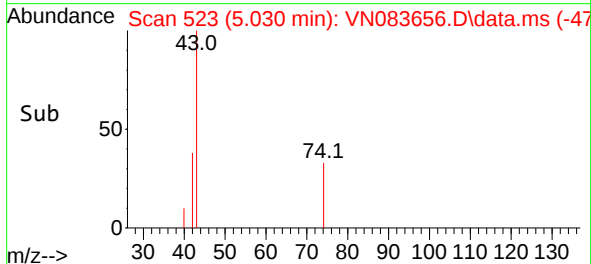
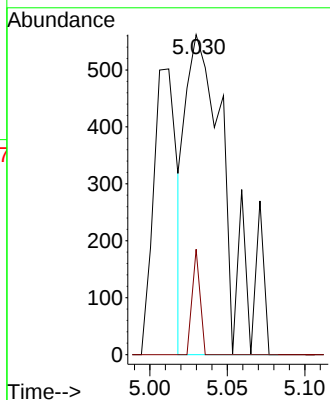
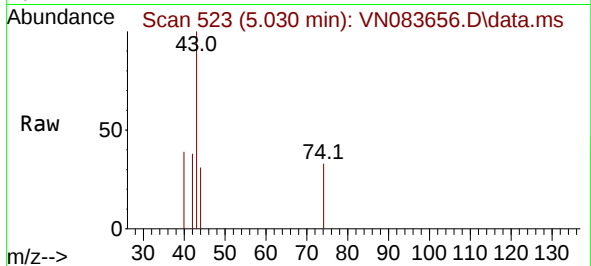




#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

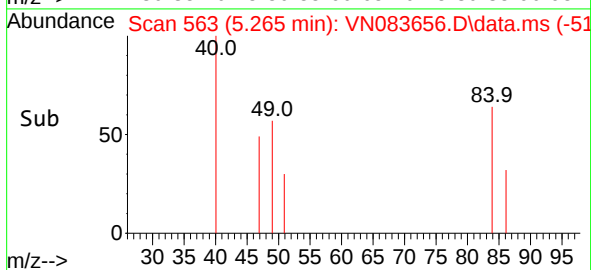
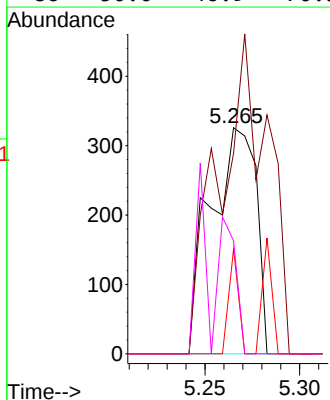
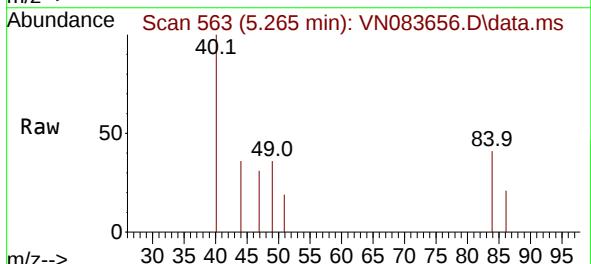
Instrument :
MSVOA_N
ClientSampleId :

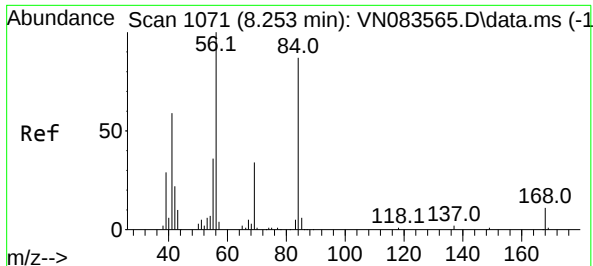
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 6.3 19.0 28.4#



#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

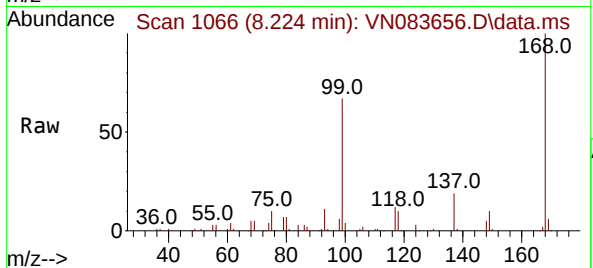
Tgt Ion: 84 Resp: 546
Ion Ratio Lower Upper
84 100
49 88.7 93.4 140.0#
51 46.3 29.2 43.8#
86 50.0 46.9 70.3



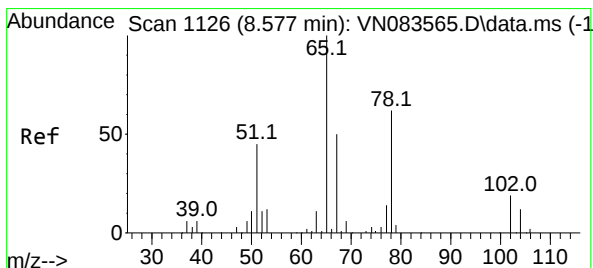
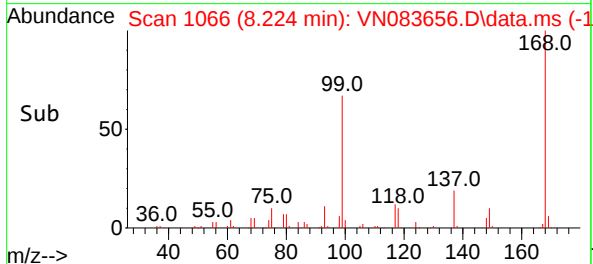
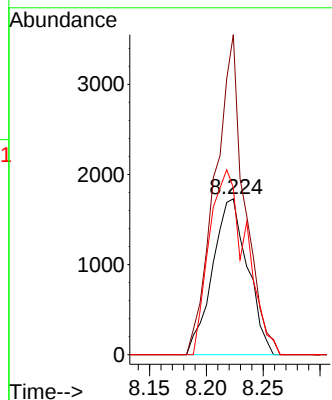


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

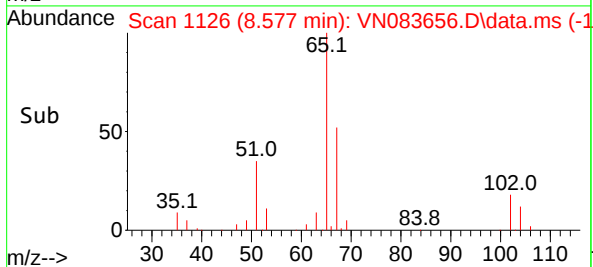
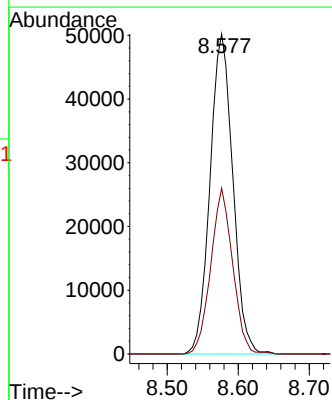
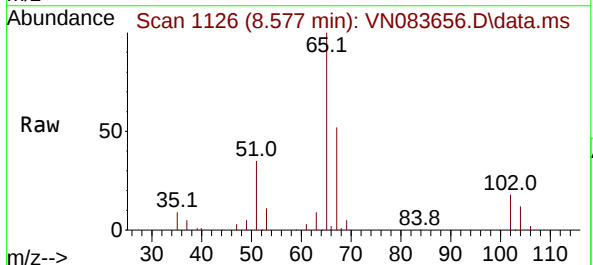


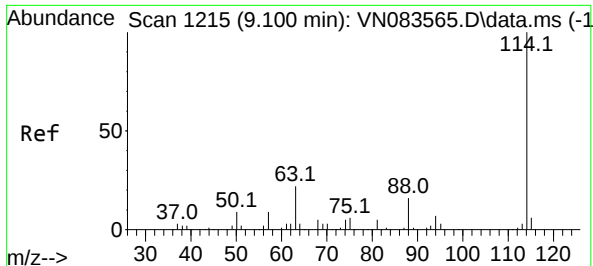
Tgt Ion: 56 Resp: 3722
Ion Ratio Lower Upper
56 100
69 205.4 26.9 40.3#
84 107.2 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 54.725 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion: 65 Resp: 111815
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

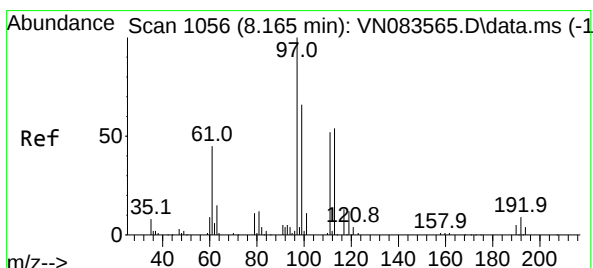
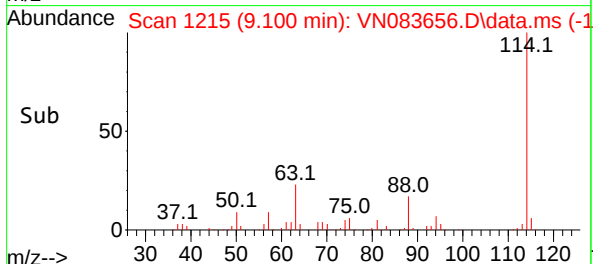
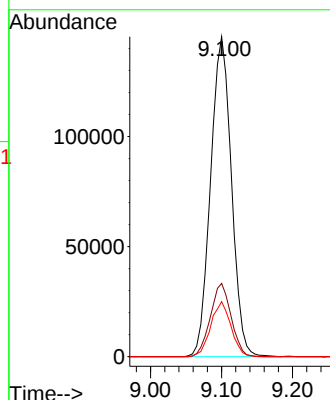
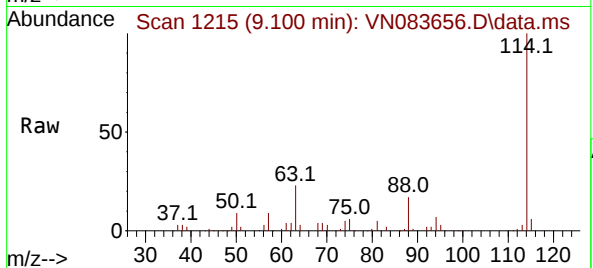
Tgt Ion:114 Resp: 296004

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 17.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.245 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

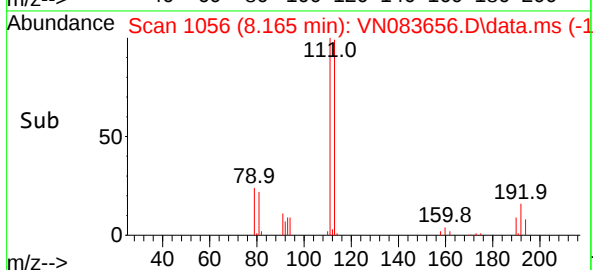
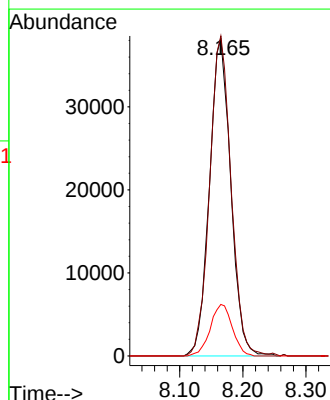
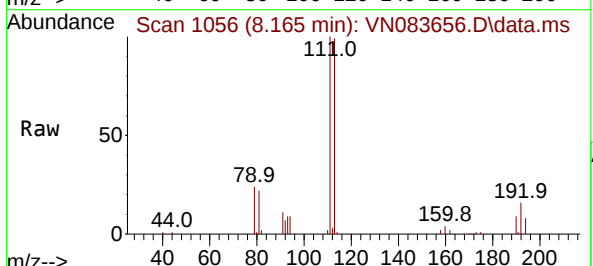
Tgt Ion:113 Resp: 89515

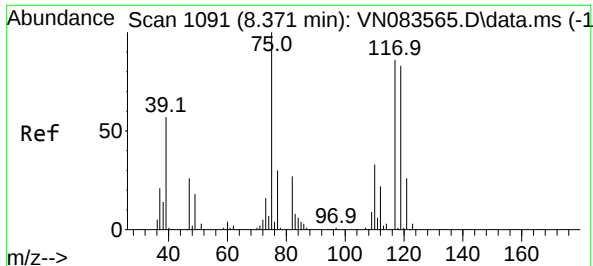
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

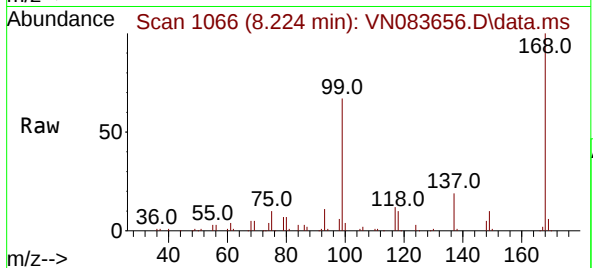
Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

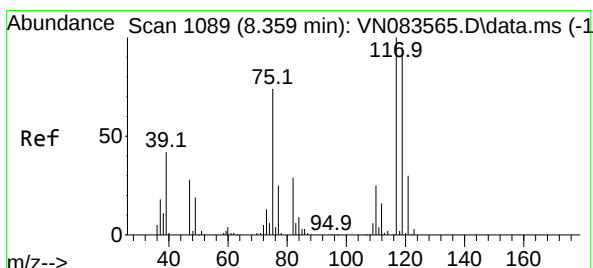
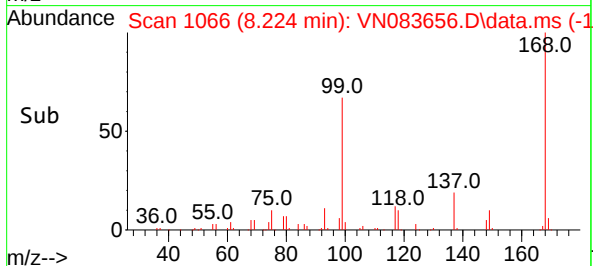
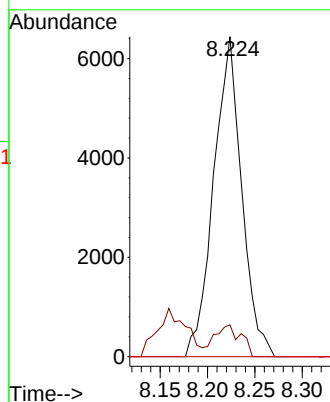
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13249
Ion Ratio	Lower Upper
75	100
110	9.4 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.405 ug/l

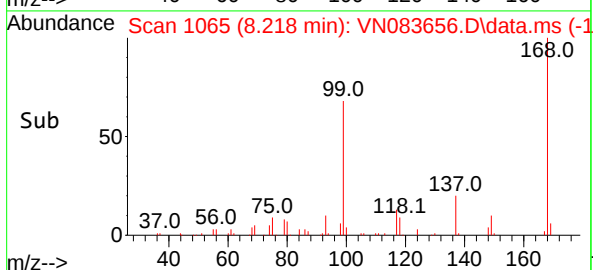
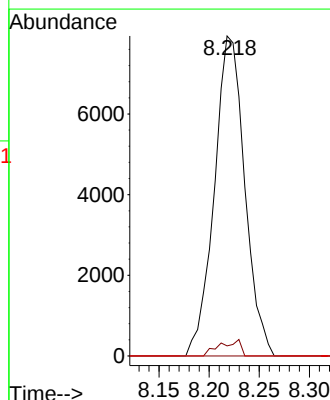
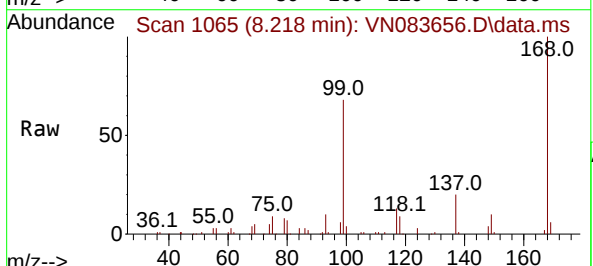
RT: 8.218 min Scan# 1065

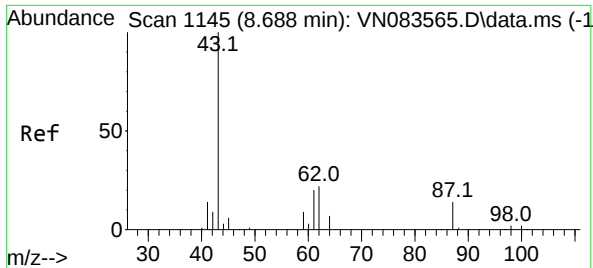
Delta R.T. -0.141 min

Lab File: VN083656.D

Acq: 04 Sep 2024 17:54

Tgt Ion: 117	Resp: 16759
Ion Ratio	Lower Upper
117	100
119	3.2 76.1 114.1#
121	0.0 24.1 36.1#

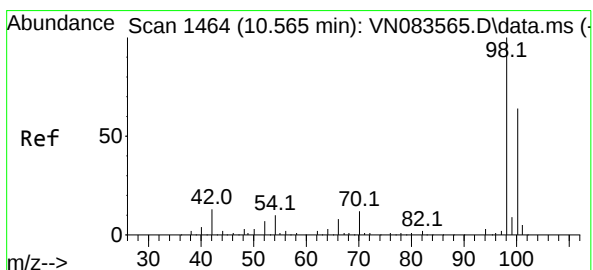
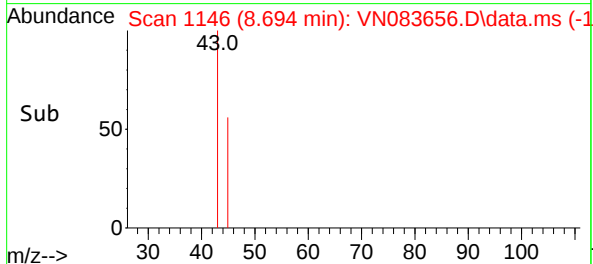
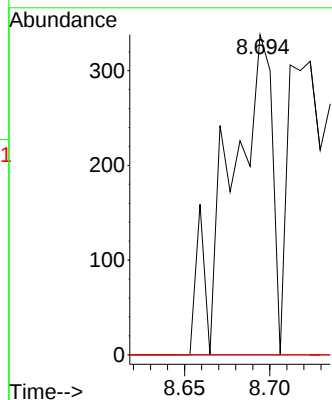
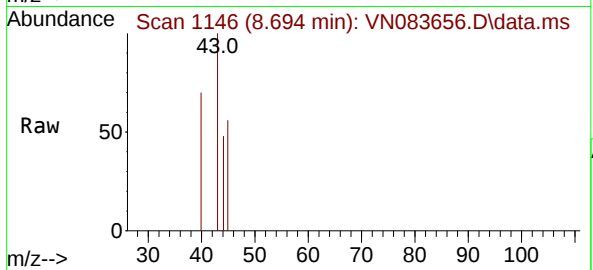




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

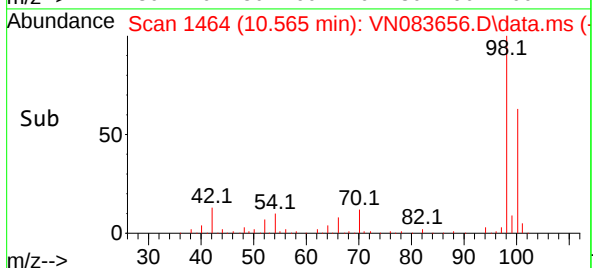
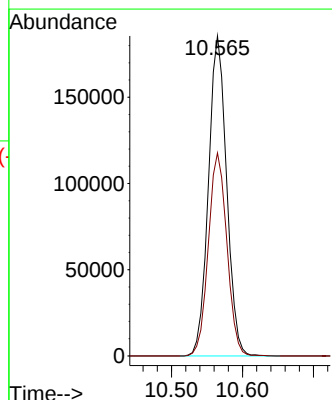
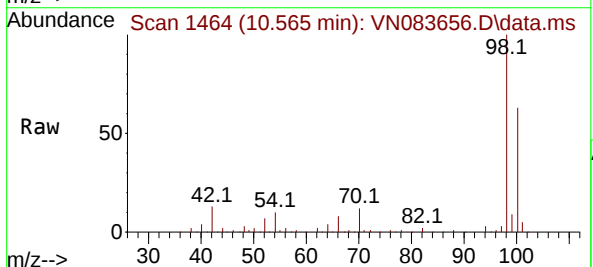
Instrument :
MSVOA_N
ClientSampleId :

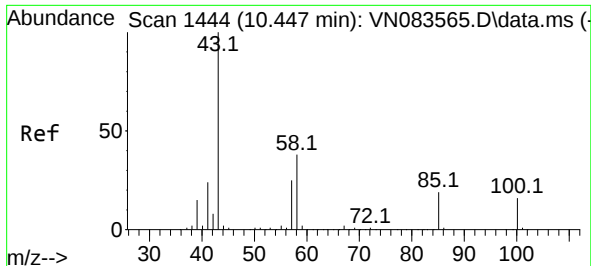
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 47.547 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion: 98 Resp: 329850
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

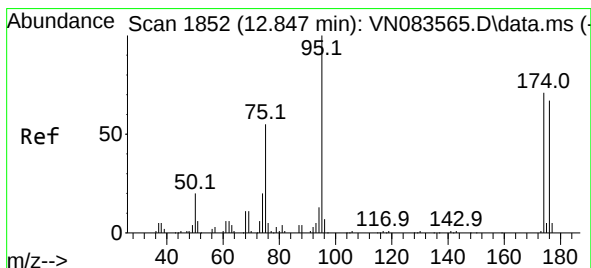
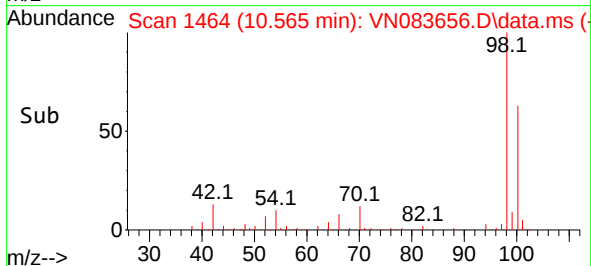
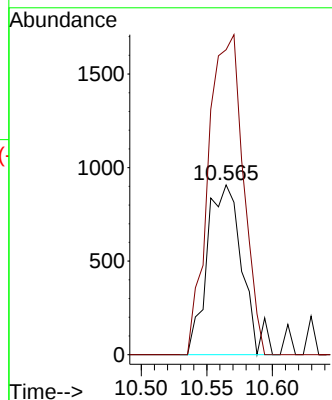
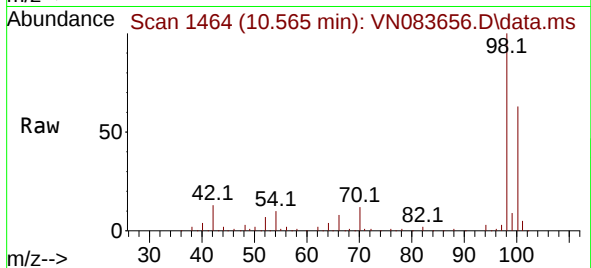




#51
4-Methyl-2-Pentanone
Concen: 0.670 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

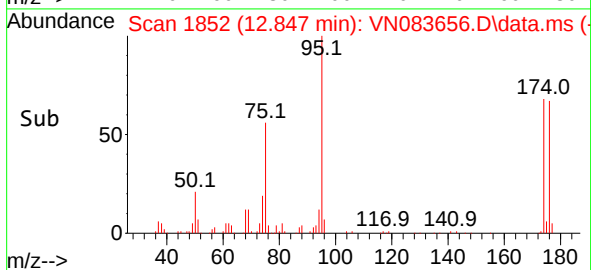
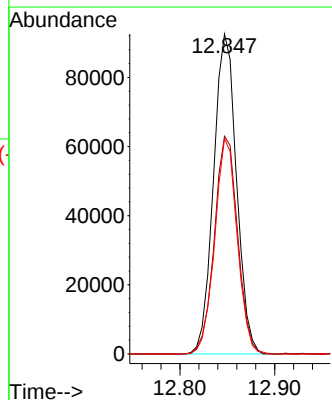
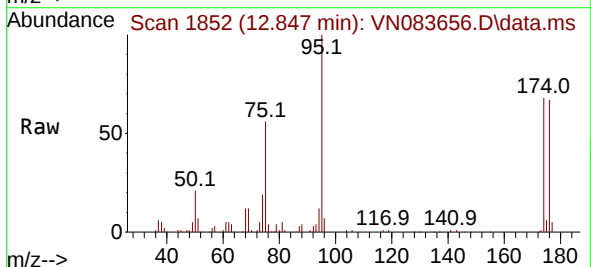
Instrument :
MSVOA_N
ClientSampleId :

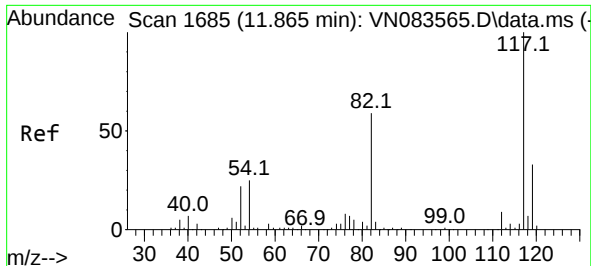
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
58 187.5 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 60.662 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion: 95 Resp: 155905
Ion Ratio Lower Upper
95 100
174 68.8 0.0 139.8
176 65.7 0.0 131.4

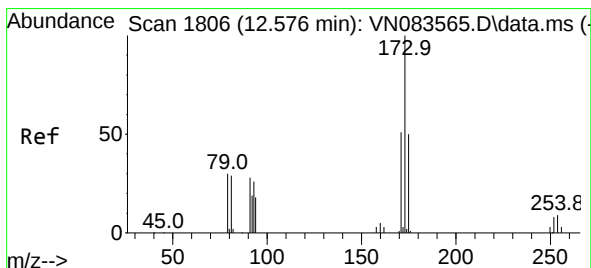
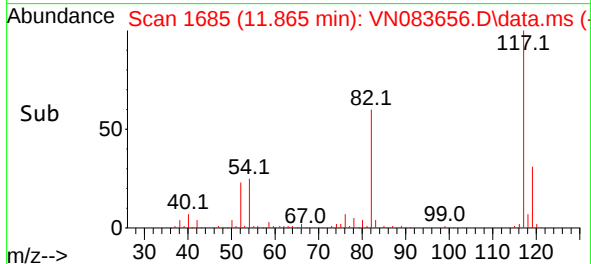
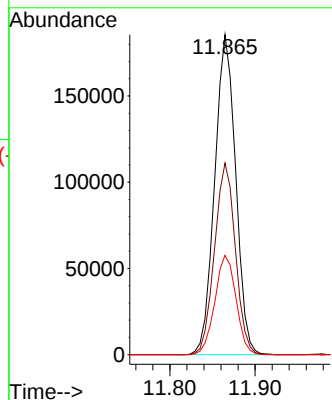
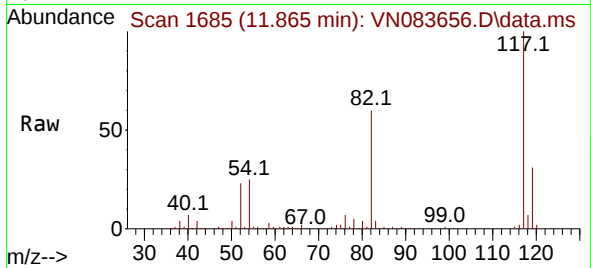




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117704
Delta R.T. 0.000 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

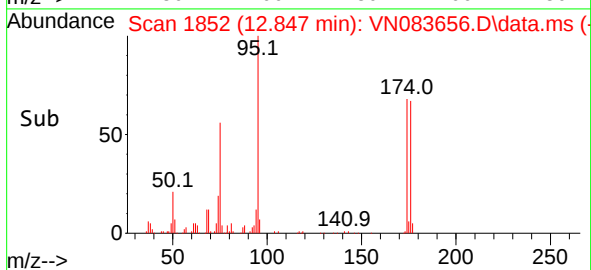
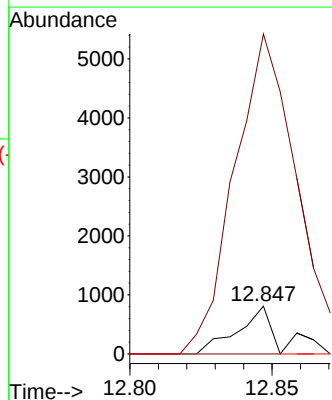
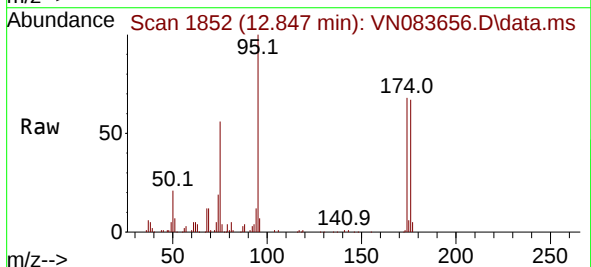
Instrument :
MSVOA_N
ClientSampleId :

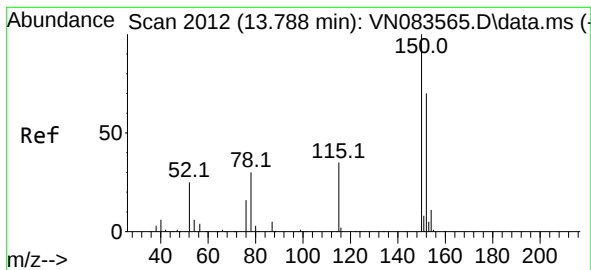
Tgt Ion:117 Resp: 317704
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.0
119 31.1 26.3 39.5



#71
Bromoform
Concen: 0.376 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Tgt Ion:173 Resp: 645
Ion Ratio Lower Upper
173 100
175 983.4 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: VN083565.D

Acq: 04 Sep 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

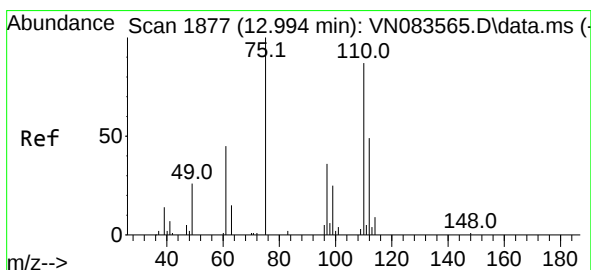
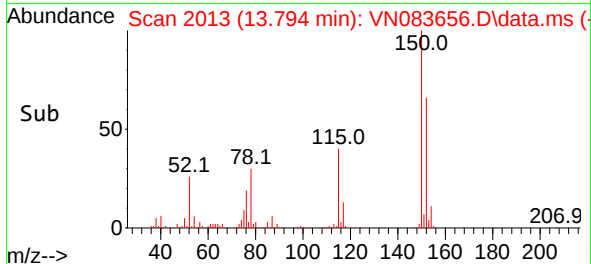
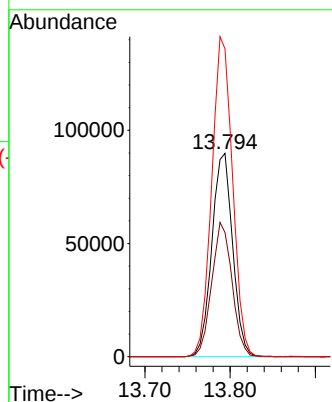
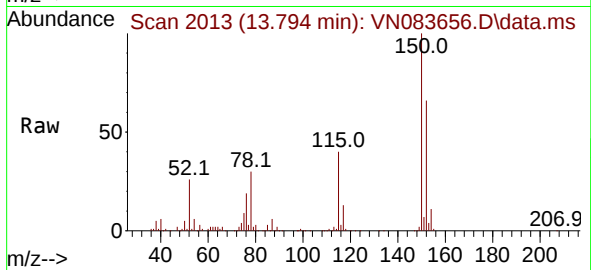
Tgt Ion:152 Resp: 152328

Ion Ratio Lower Upper

152 100

115 64.4 32.2 96.6

150 157.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.961 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083565.D

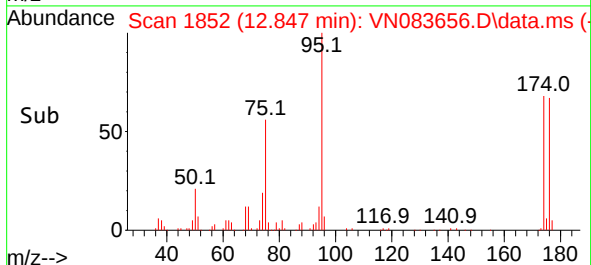
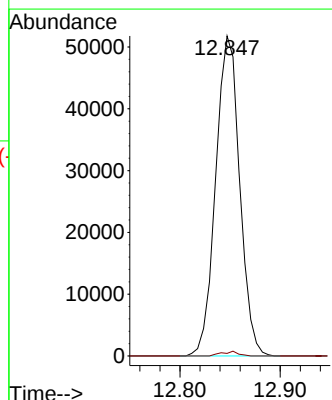
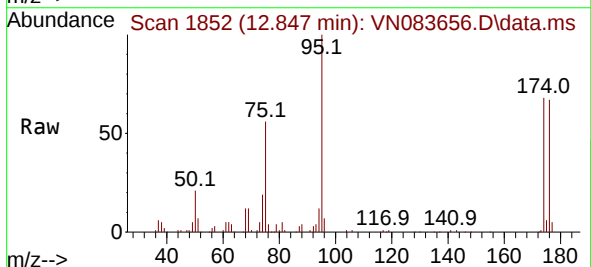
Acq: 04 Sep 2024 17:54

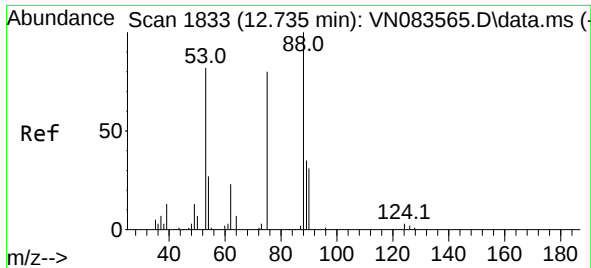
Tgt Ion: 75 Resp: 85994

Ion Ratio Lower Upper

75 100

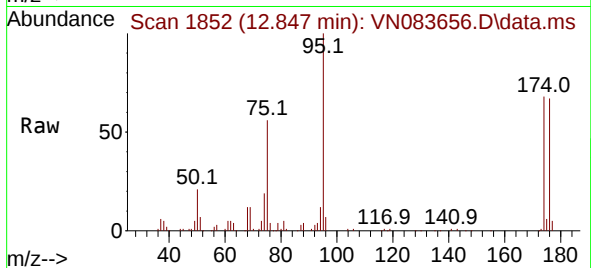
77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.949 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083656.D
Acq: 04 Sep 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 85994
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

