

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090424\
 Data File : VN083659.D
 Acq On : 04 Sep 2024 19:06
 Operator : JC\MD
 Sample : P3802-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:31:29 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)

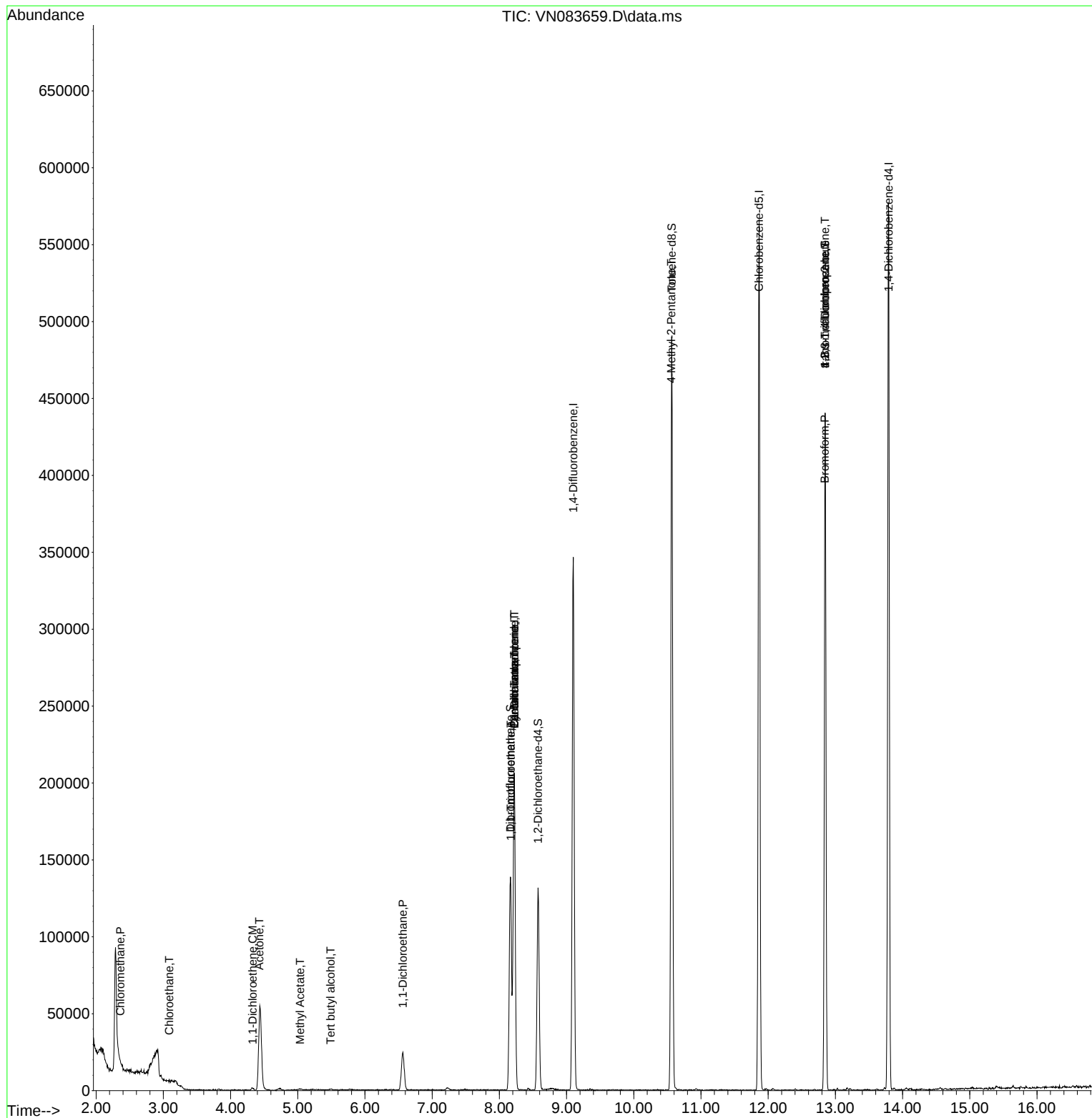
Internal Standards						
1) Pentafluorobenzene	8.224	168	144135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	113918	56.551	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.100%			
35) Dibromofluoromethane	8.165	113	91140	51.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.440%			
50) Toluene-d8	10.565	98	330830	48.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.847	95	151129	59.448	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.900%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1035	0.582	ug/l #	84
6) Chloroethane	3.089	64	447	0.385	ug/l #	45
11) Tert butyl alcohol	5.488	59	190	0.605	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	882	0.559	ug/l #	76
16) Acetone	4.430	43	2696	3.356	ug/l #	45
18) Methyl Acetate	5.036	43	1425	0.667	ug/l #	61
24) 1,1-Dichloroethane	6.565	63	35993	11.370	ug/l	97
31) Cyclohexane	8.224	56	3979	1.277	ug/l #	7
32) 1,1,1-Trichloroethane	8.171	97	10711	3.551	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	13220	4.918	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16793	5.476	ug/l #	16
43) Isopropyl Acetate	8.682	43	265	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.559	43	1490	0.599	ug/l #	1
71) Bromoform	12.841	173	633	0.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	84086	27.799	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84086	65.567	ug/l #	9

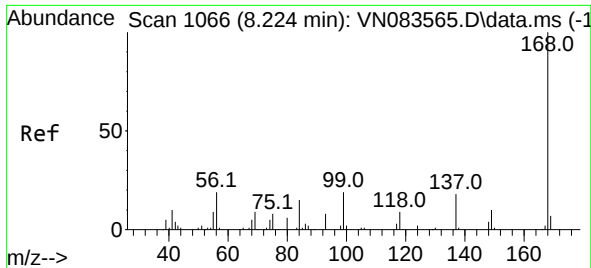
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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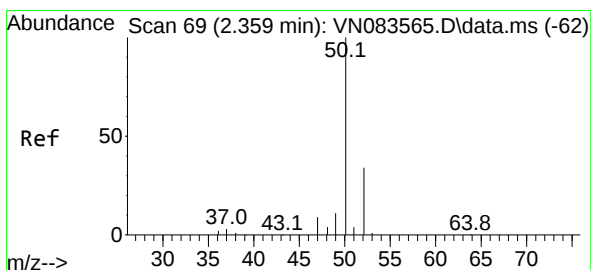
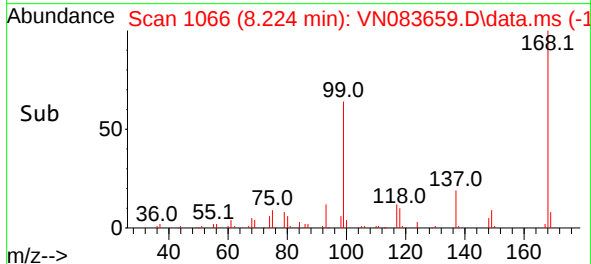
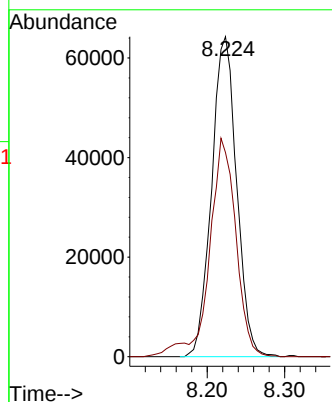
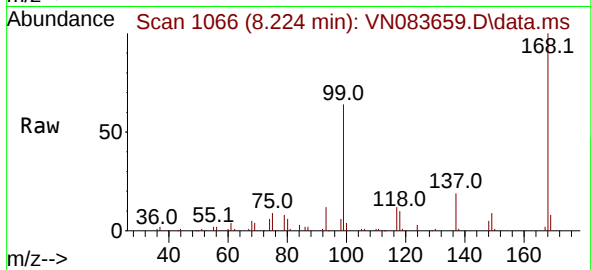




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

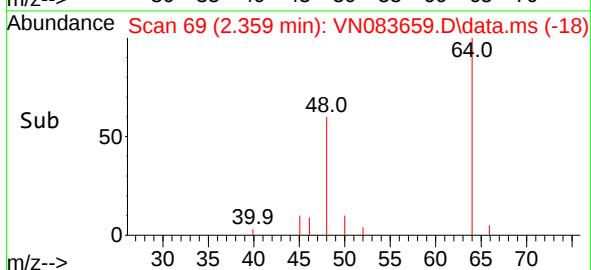
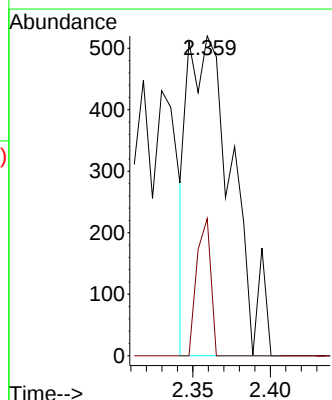
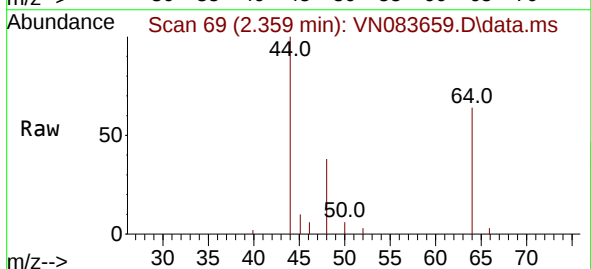
Instrument :
MSVOA_N
ClientSampleId :

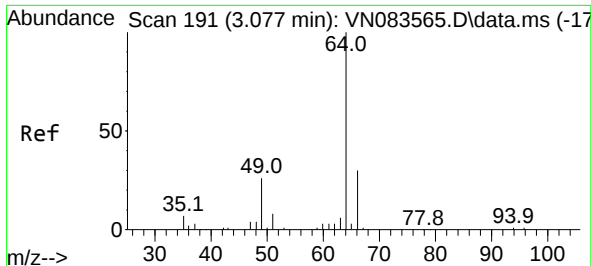
Tgt Ion:168 Resp: 144135
Ion Ratio Lower Upper
168 100
99 63.8 54.2 81.2



#3
Chloromethane
Concen: 0.582 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 50 Resp: 1035
Ion Ratio Lower Upper
50 100
52 42.9 27.2 40.8#

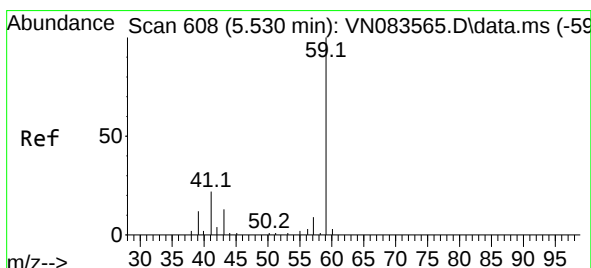
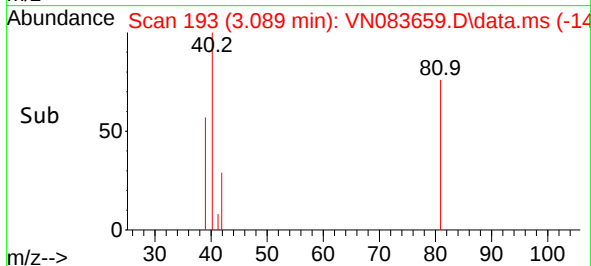
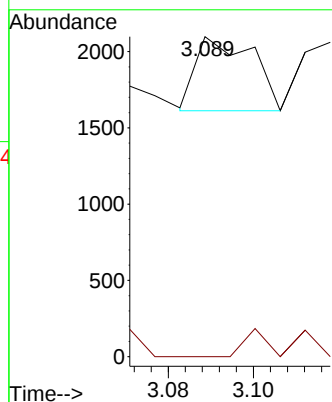
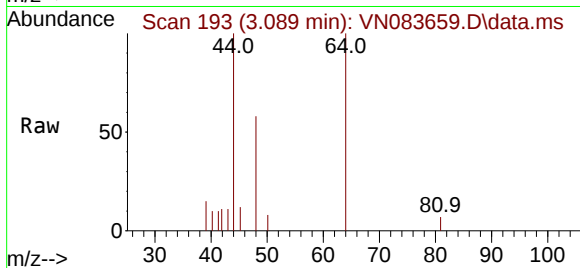




#6
Chloroethane
Concen: 0.385 ug/l
RT: 3.089 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

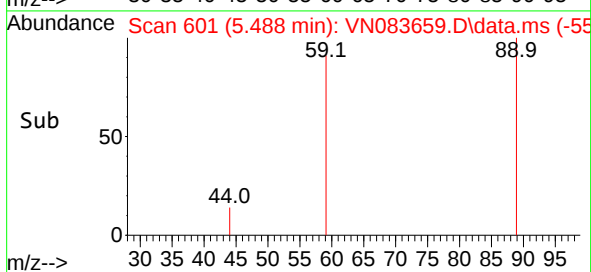
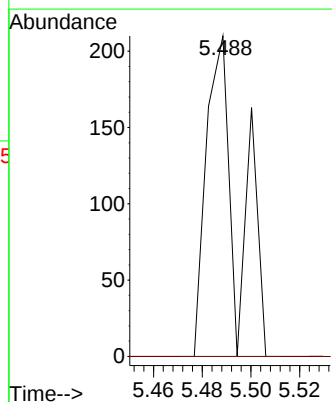
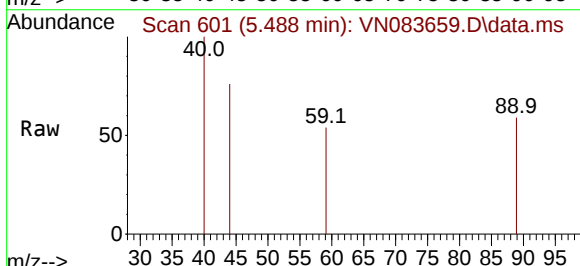
Instrument :
MSVOA_N
ClientSampleId :

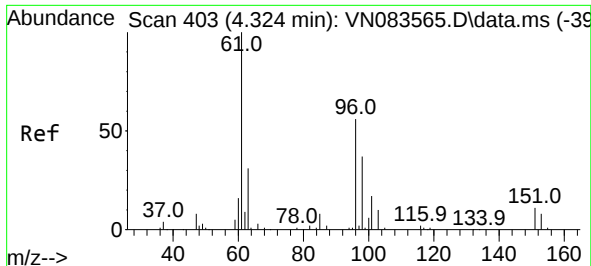
Tgt Ion: 64 Resp: 447
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.605 ug/l
RT: 5.488 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#12

1,1-Dichloroethene

Concen: 0.559 ug/l

RT: 4.330 min Scan# 403

Delta R.T. 0.006 min

Lab File: VN083659.D

Acq: 04 Sep 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

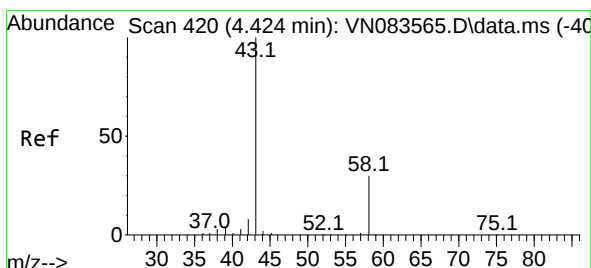
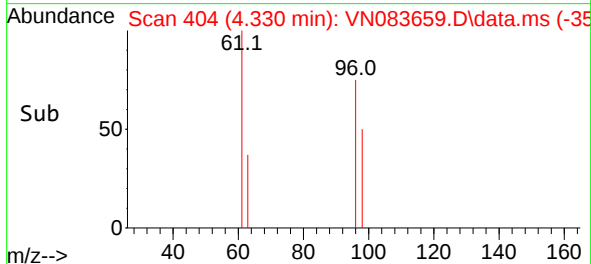
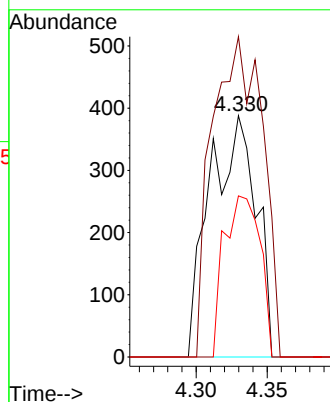
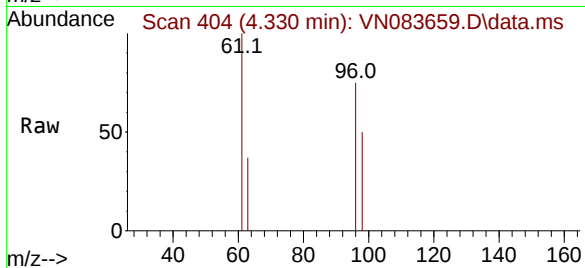
Tgt Ion: 96 Resp: 882

Ion Ratio Lower Upper

96 100

61 132.7 143.4 215.0#

98 66.8 52.7 79.1



#16

Acetone

Concen: 3.356 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN083659.D

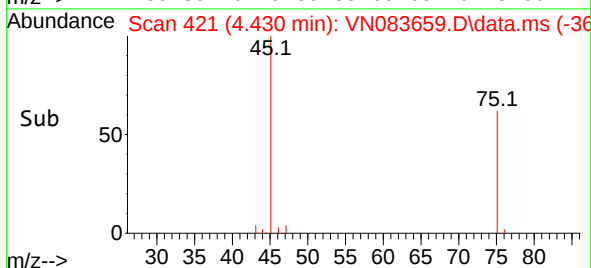
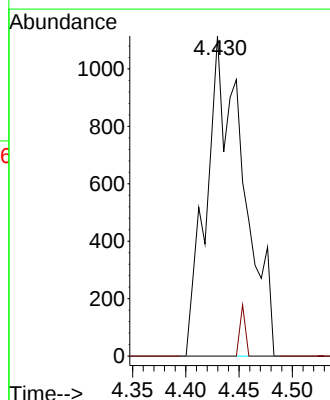
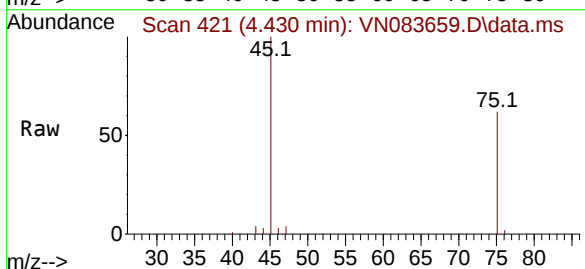
Acq: 04 Sep 2024 19:06

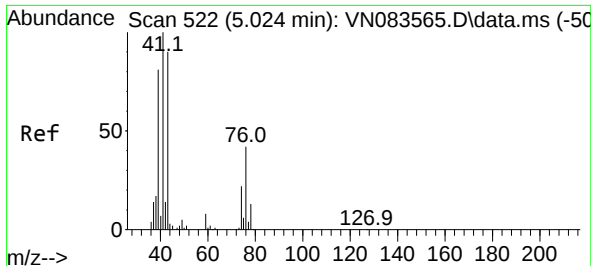
Tgt Ion: 43 Resp: 2696

Ion Ratio Lower Upper

43 100

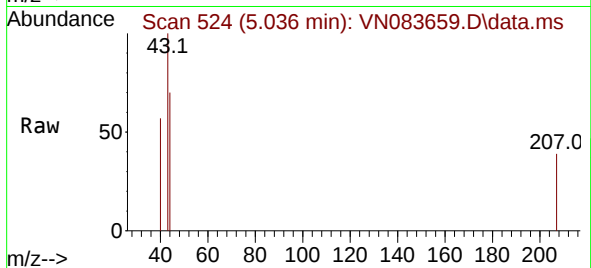
58 0.0 23.7 35.5#



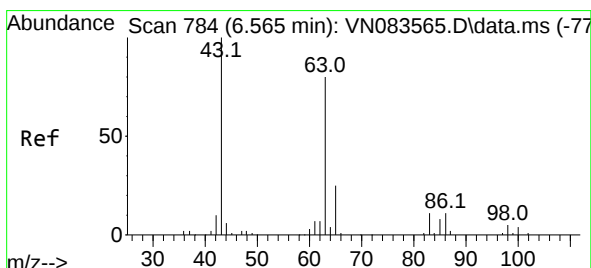
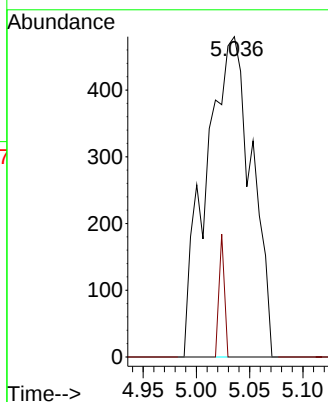
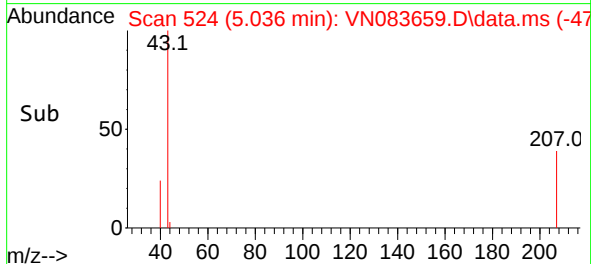


#18
Methyl Acetate
Concen: 0.667 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

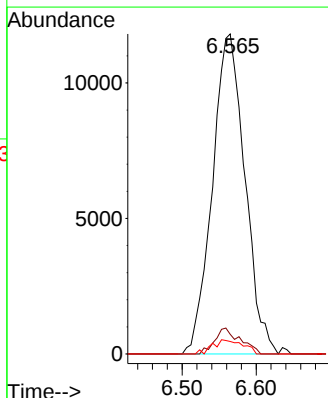
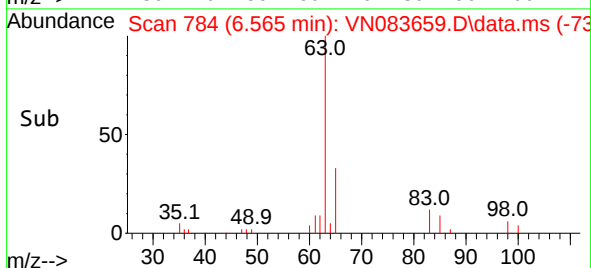
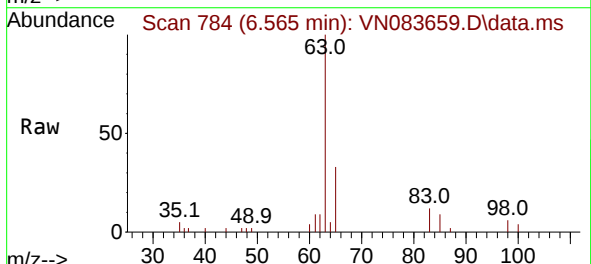


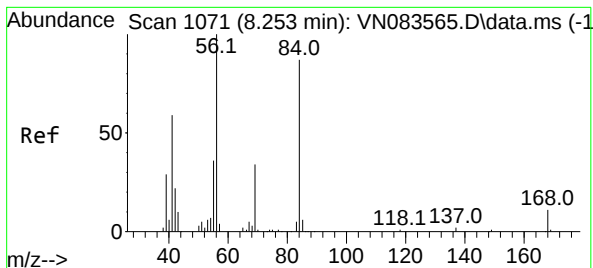
Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
74 4.6 19.0 28.4#



#24
1,1-Dichloroethane
Concen: 11.370 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 63 Resp: 35993
Ion Ratio Lower Upper
63 100
98 6.2 3.5 10.4
100 3.9 2.5 7.5





#31

Cyclohexane

Concen: 1.277 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

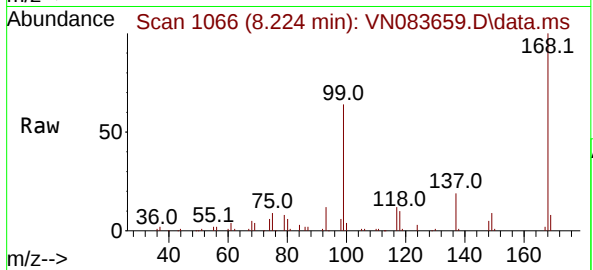
Lab File: VN083659.D

Acq: 04 Sep 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :



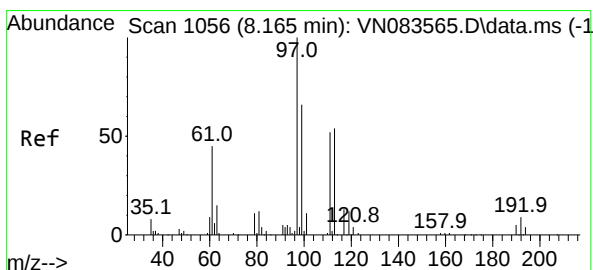
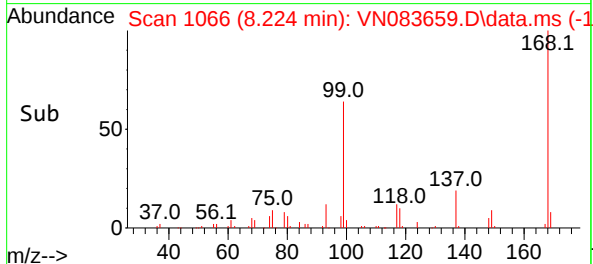
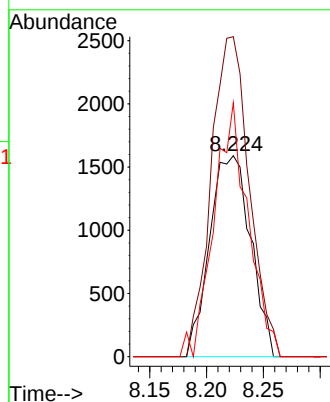
Tgt Ion: 56 Resp: 3979

Ion Ratio Lower Upper

56 100

69 159.2 26.9 40.3#

84 126.4 69.2 103.8#



#32

1,1,1-Trichloroethane

Concen: 3.551 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083659.D

Acq: 04 Sep 2024 19:06

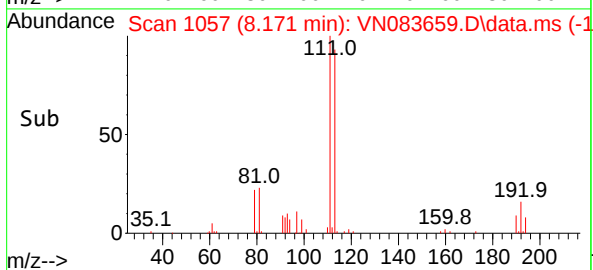
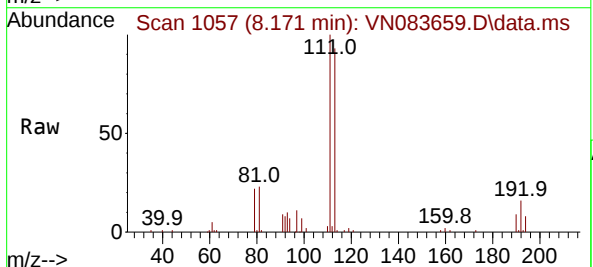
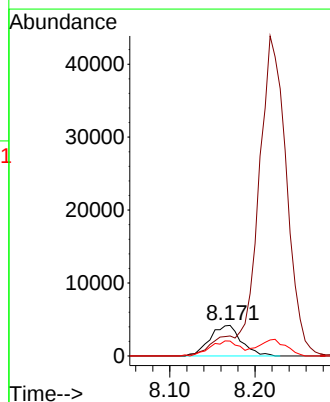
Tgt Ion: 97 Resp: 10711

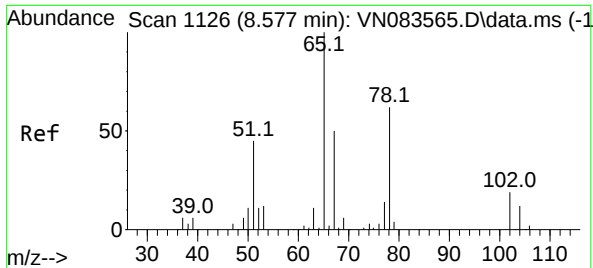
Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 45.5 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 56.551 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083659.D

Acq: 04 Sep 2024 19:06

Instrument :

MSVOA_N

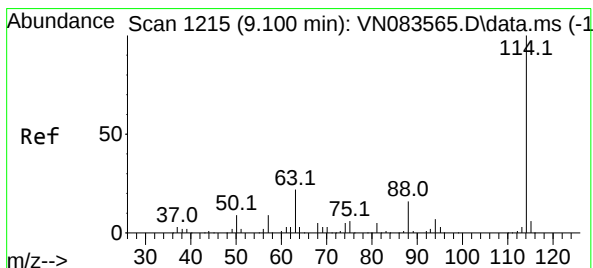
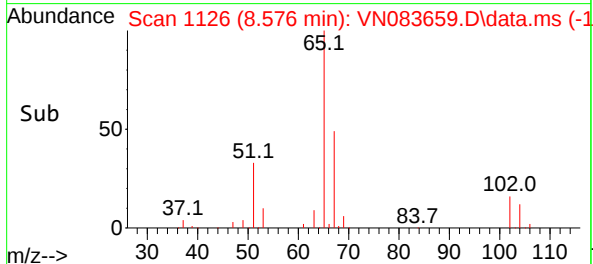
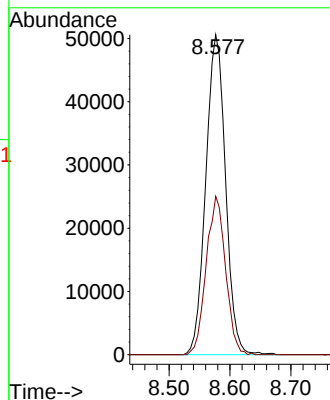
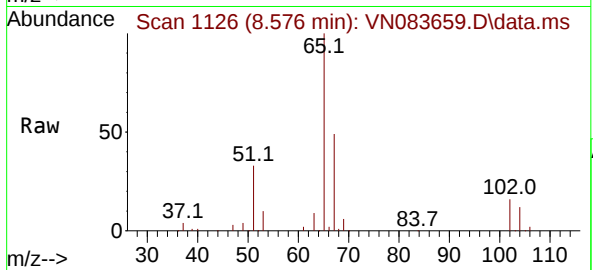
ClientSampleId :

Tgt Ion: 65 Resp: 113918

Ion Ratio Lower Upper

65 100

67 48.5 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: VN083659.D

Acq: 04 Sep 2024 19:06

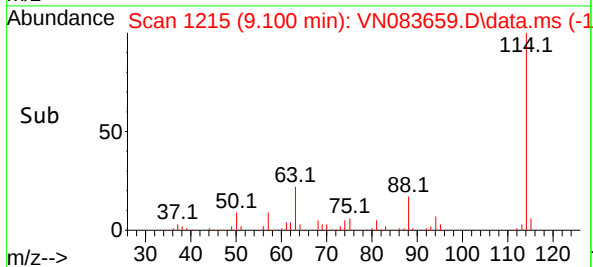
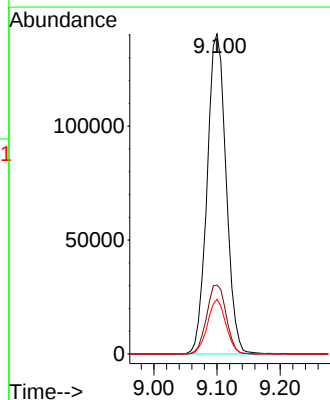
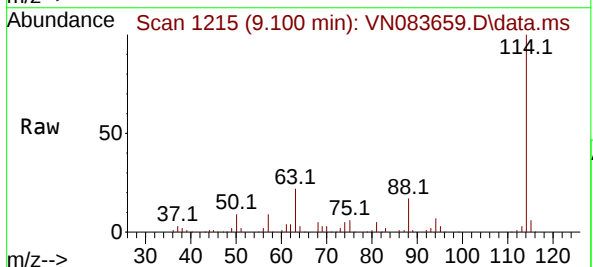
Tgt Ion: 114 Resp: 292795

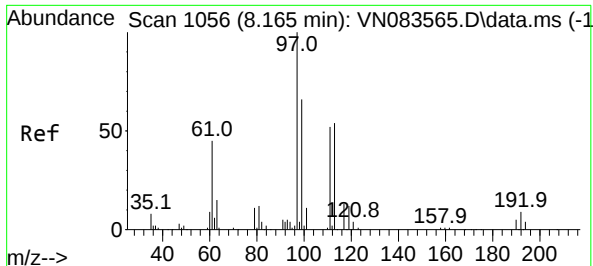
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.717 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083659.D

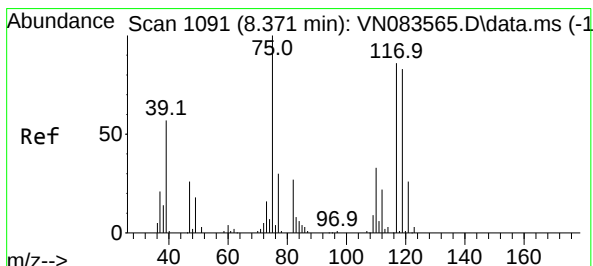
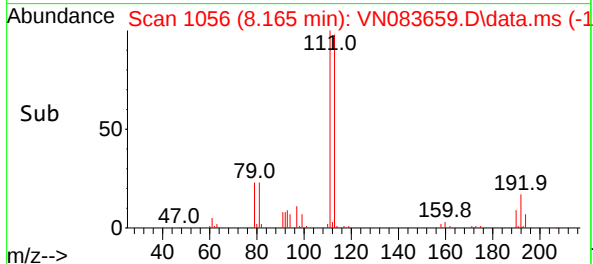
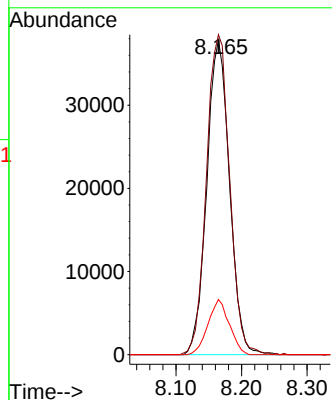
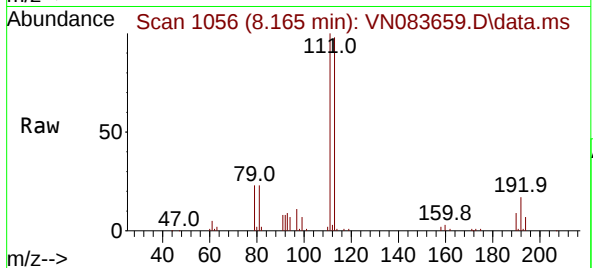
Acq: 04 Sep 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	91140
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	124.0
192	16.4	14.3	21.5



#36

1,1-Dichloropropene

Concen: 4.918 ug/l

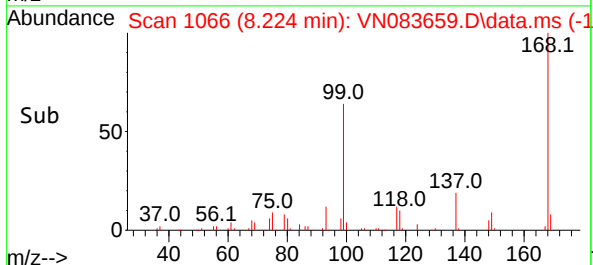
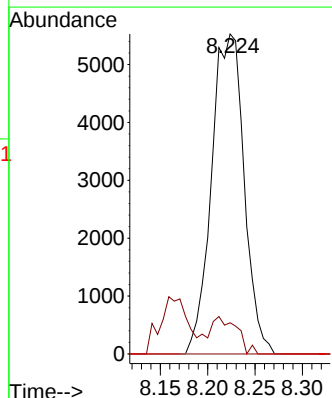
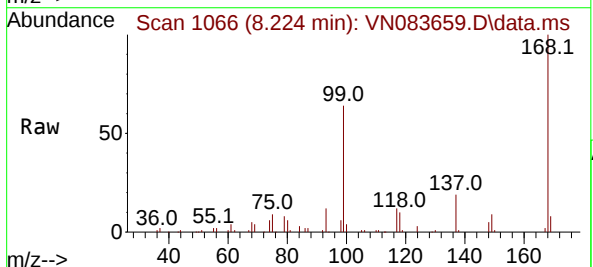
RT: 8.224 min Scan# 1066

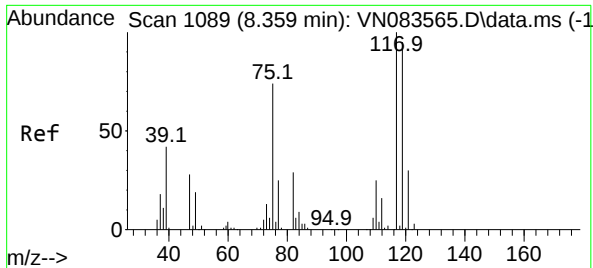
Delta R.T. -0.147 min

Lab File: VN083659.D

Acq: 04 Sep 2024 19:06

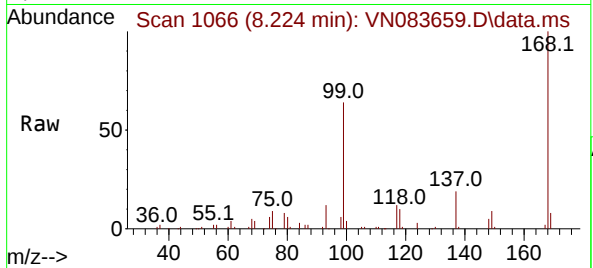
Tgt Ion:	75	Resp:	13220
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.7	50.1#
77	0.0	25.2	37.8#



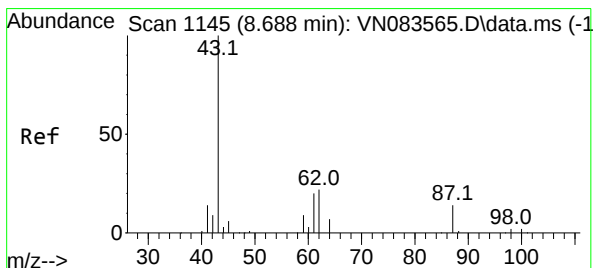
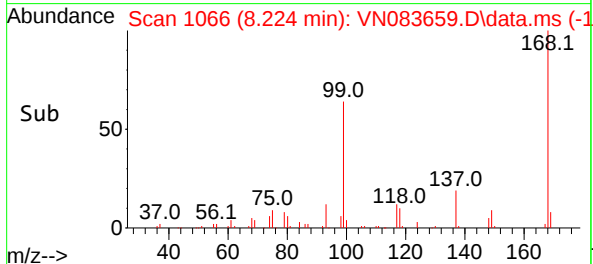
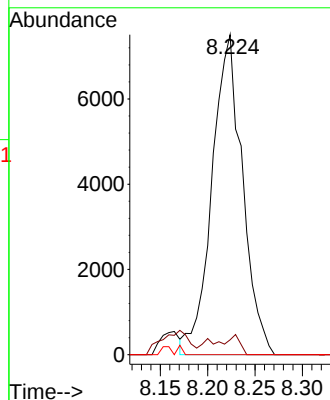


#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

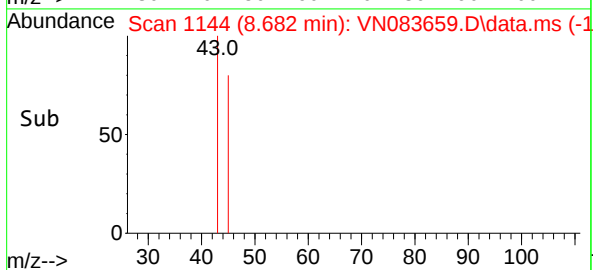
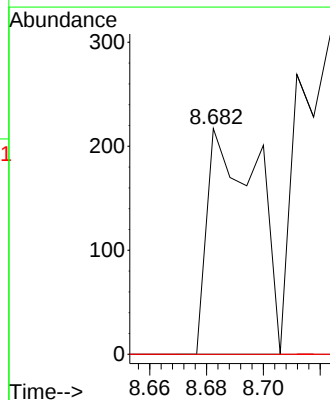
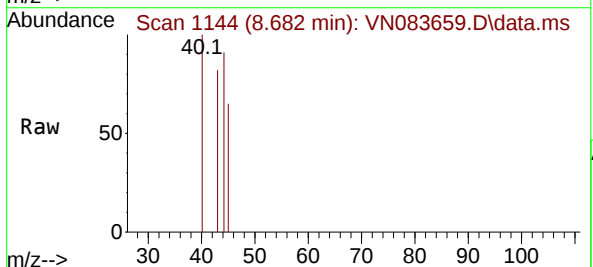


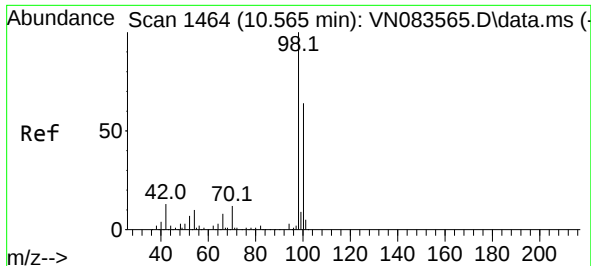
Tgt Ion:117 Resp: 16793
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

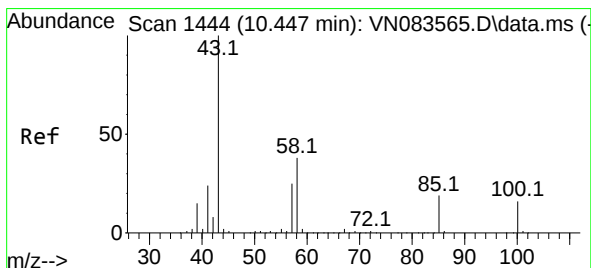
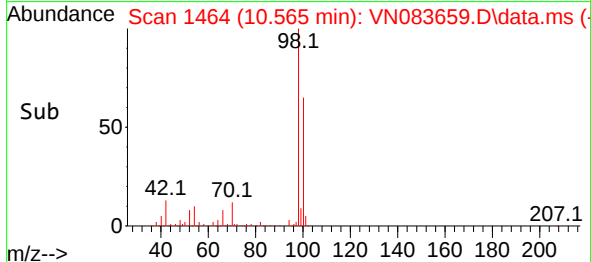
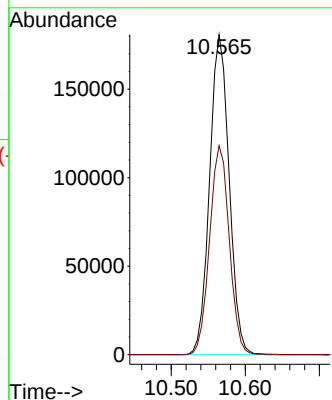
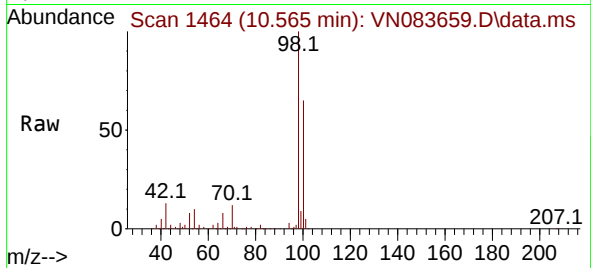




#50
Toluene-d8
Concen: 48.195 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

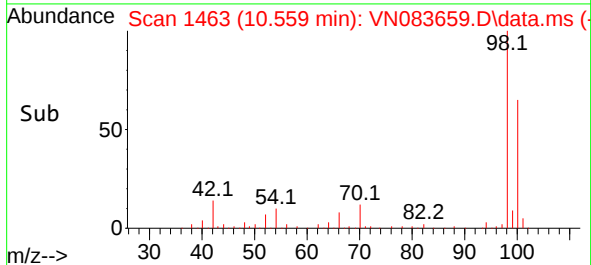
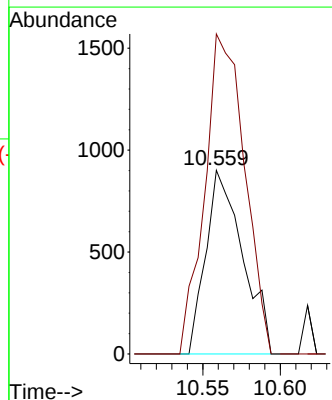
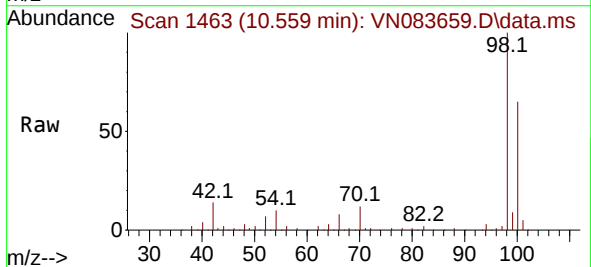
Instrument :
MSVOA_N
ClientSampleId :

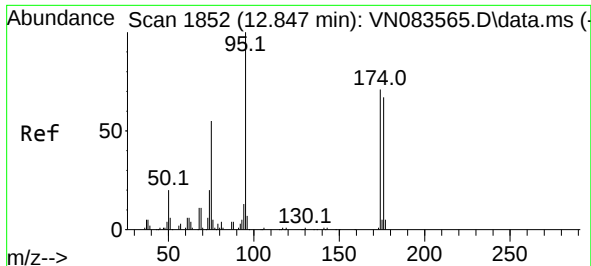
Tgt Ion: 98 Resp: 330830
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 189.0 31.6 47.4#

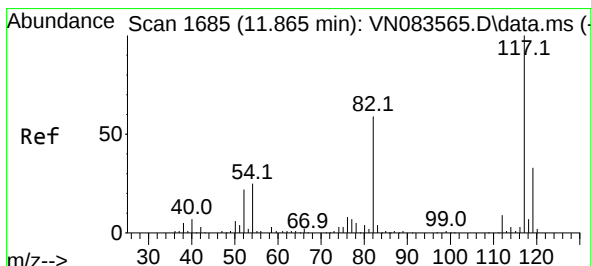
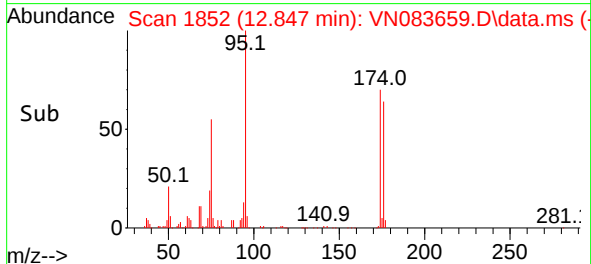
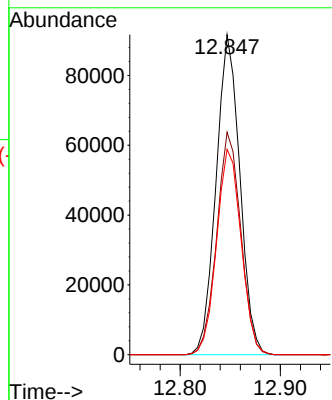
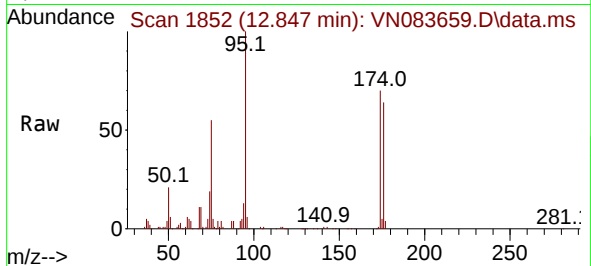




#62
4-Bromofluorobenzene
Concen: 59.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

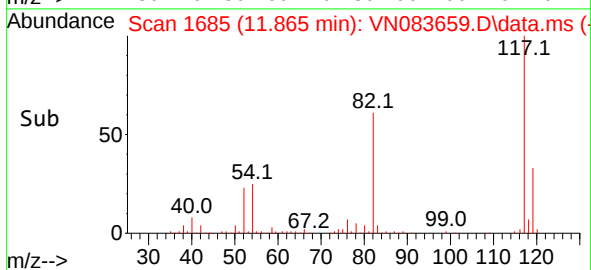
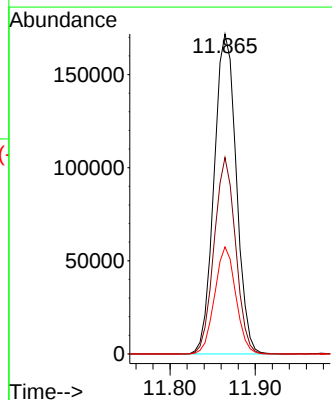
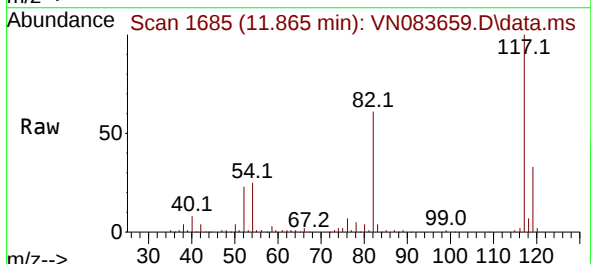
Instrument :
MSVOA_N
ClientSampleId :

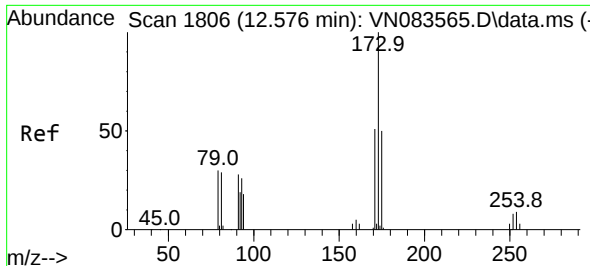
Tgt Ion: 95 Resp: 151129
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.8
176 66.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

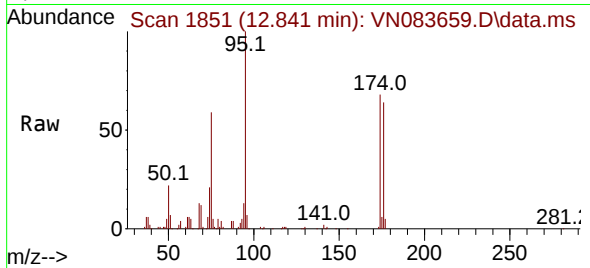
Tgt Ion: 117 Resp: 310728
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.0
119 33.4 26.3 39.5



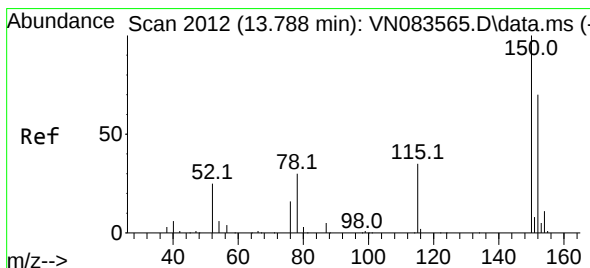
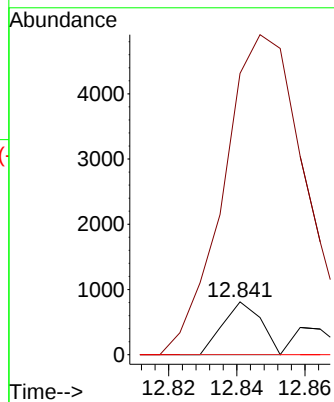
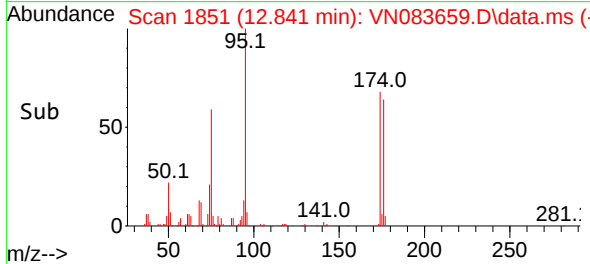


#71
Bromoform
Concen: 0.378 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

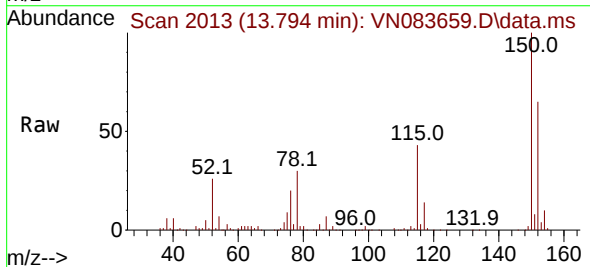
Instrument :
MSVOA_N
ClientSampleId :



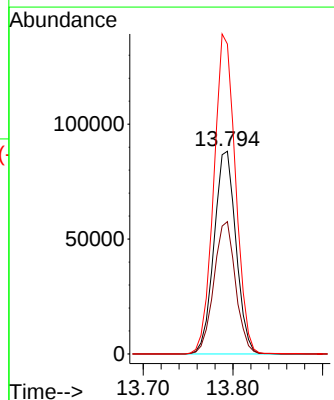
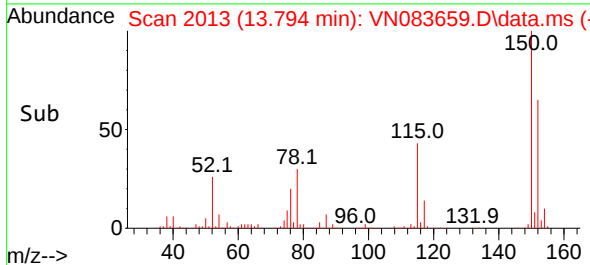
Tgt Ion:173 Resp: 633
Ion Ratio Lower Upper
173 100
175 976.1 24.1 72.2#
254 0.0 0.0 0.0

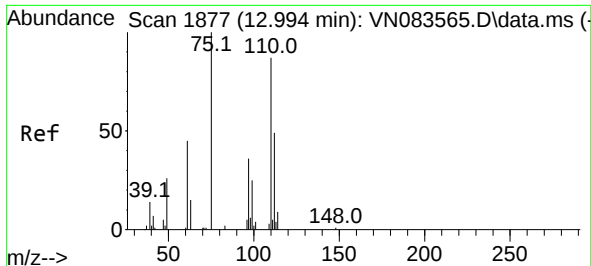


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06



Tgt Ion:152 Resp: 149816
Ion Ratio Lower Upper
152 100
115 64.7 32.2 96.6
150 156.5 0.0 348.6

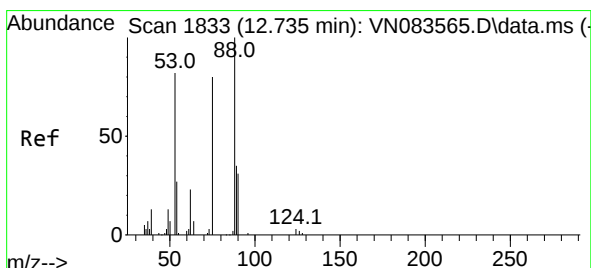
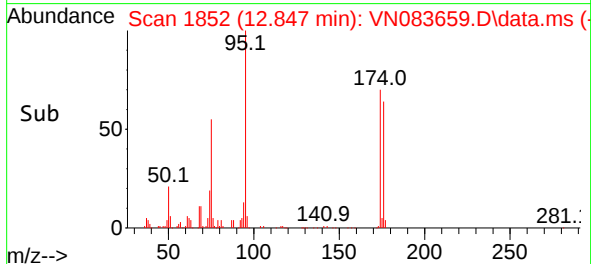
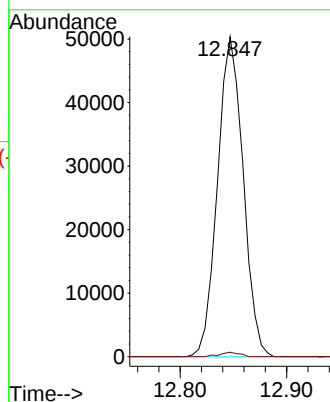
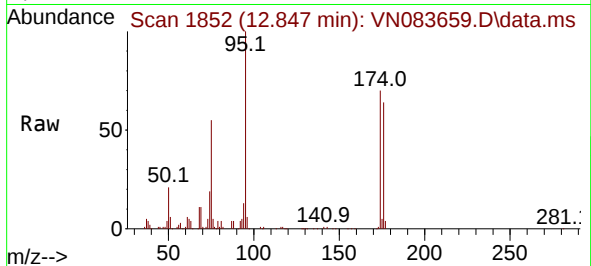




#76
1,2,3-Trichloropropane
Concen: 27.799 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 84086
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.567 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083659.D
Acq: 04 Sep 2024 19:06

Tgt Ion: 75 Resp: 84086
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

