

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083951.D
 Acq On : 17 Sep 2024 17:29
 Operator : JC\MD
 Sample : P3957-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW202D1-20240909

Quant Time: Sep 18 01:52:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

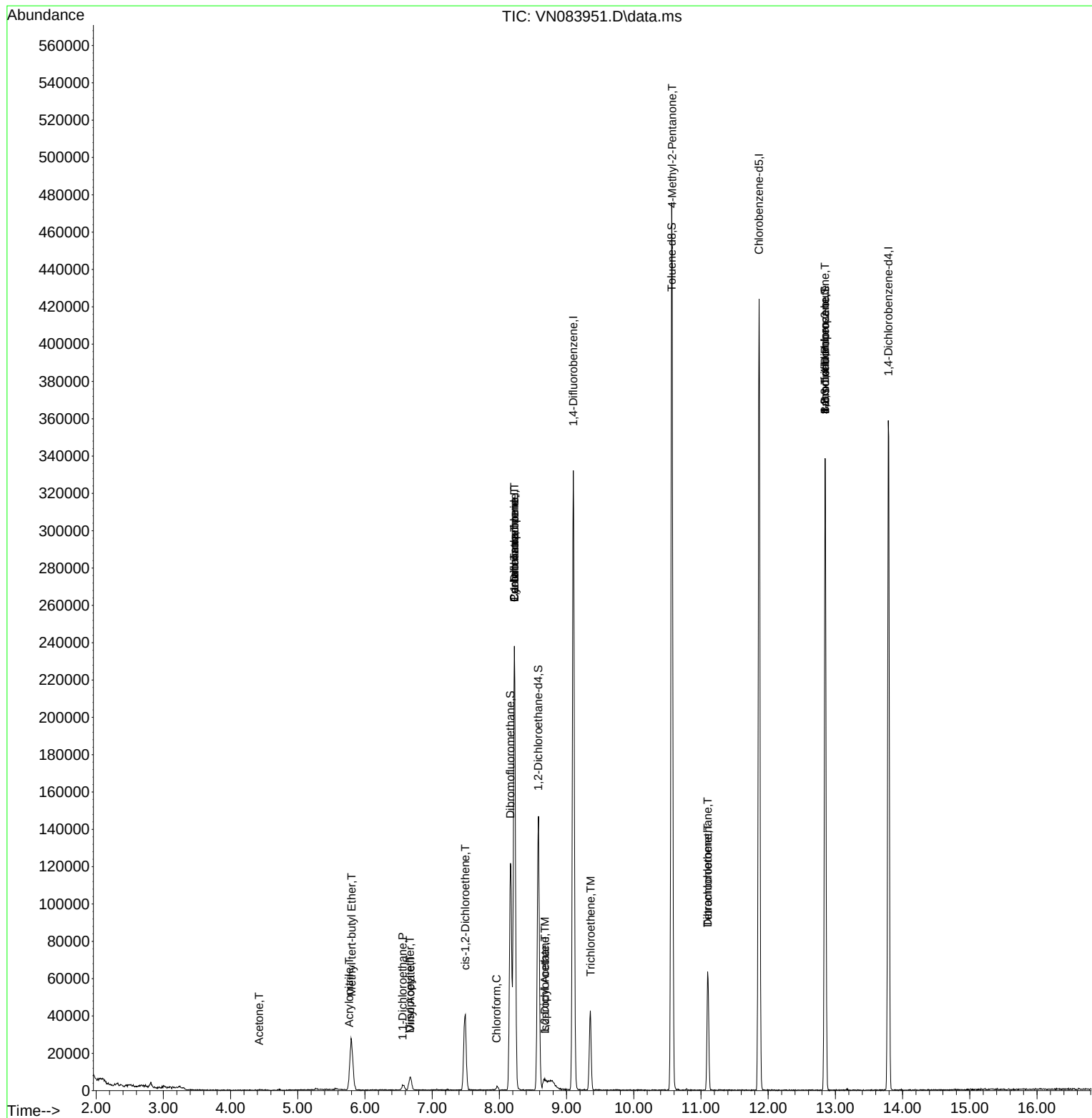
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	121985	51.818	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.640%		
35) Dibromofluoromethane	8.165	113	87096	50.660	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.320%		
50) Toluene-d8	10.565	98	315169	53.028	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.060%		
62) 4-Bromofluorobenzene	12.847	95	112441	45.855	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 91.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	637	Below Cal	#	41
15) Acrylonitrile	5.765	53	189	0.220	ug/l #	34
16) Acetone	4.424	43	397	0.421	ug/l #	45
18) Methyl Acetate	5.047	43	78	Below Cal	#	52
19) Methyl tert-butyl Ether	5.800	73	40681	6.657	ug/l	98
22) Diisopropyl ether	6.671	45	8568	1.383	ug/l #	90
23) Vinyl Acetate	6.677	43	4375	0.965	ug/l #	71
24) 1,1-Dichloroethane	6.559	63	4591	1.287	ug/l #	82
27) cis-1,2-Dichloroethene	7.494	96	22818	10.622	ug/l	93
30) Chloroform	7.959	83	1999	0.528	ug/l	86
31) Cyclohexane	8.224	56	4306	1.266	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	14992	5.794	ug/l #	52
38) Carbon Tetrachloride	8.224	117	18407	6.270	ug/l #	16
42) 1,2-Dichloroethane	8.676	62	1794	0.616	ug/l #	77
43) Isopropyl Acetate	8.676	43	4269	1.003	ug/l #	57
44) Trichloroethene	9.359	130	13815	7.660	ug/l	96
51) 4-Methyl-2-Pentanone	10.570	43	1649	0.712	ug/l #	1
60) Dibromochloromethane	11.100	129	14737	7.404	ug/l #	10
64) Tetrachloroethene	11.100	164	14034	9.517	ug/l	95
71) Bromoform	12.847	173	581	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65929	36.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65929	94.931	ug/l #	9

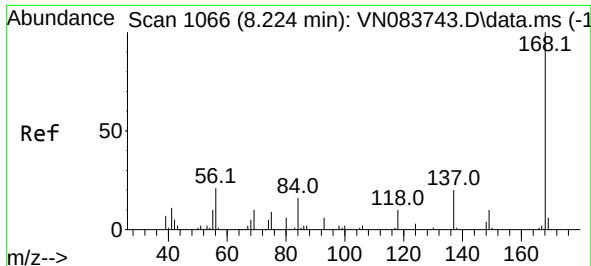
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
Data File : VN083951.D
Acq On : 17 Sep 2024 17:29
Operator : JC\MD
Sample : P3957-02RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

Quant Time: Sep 18 01:52:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

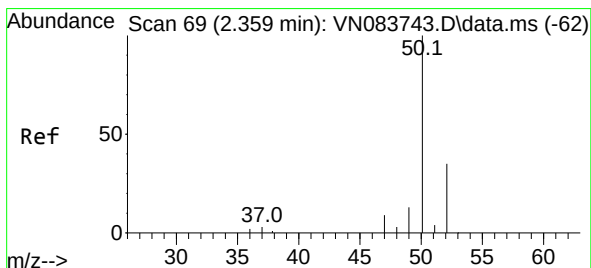
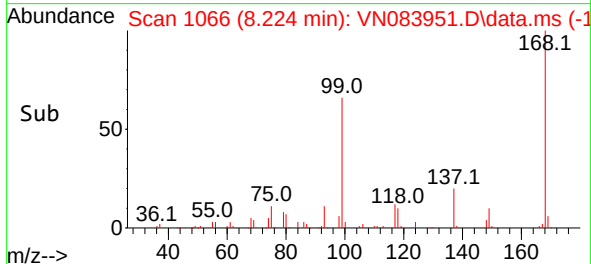
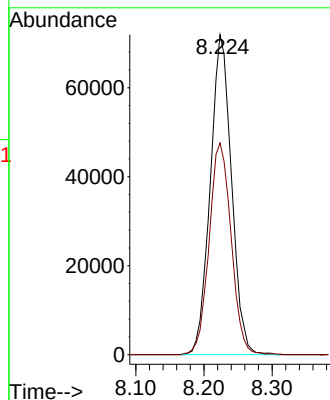
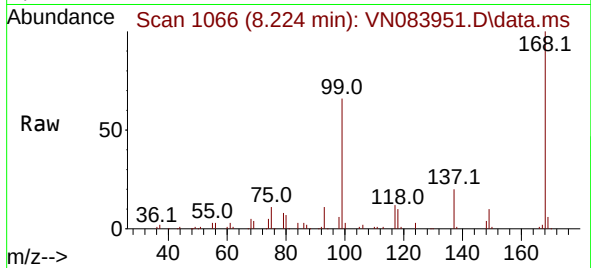




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

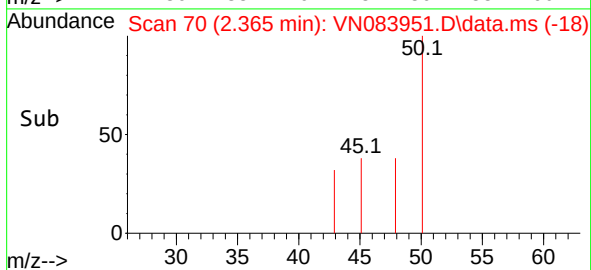
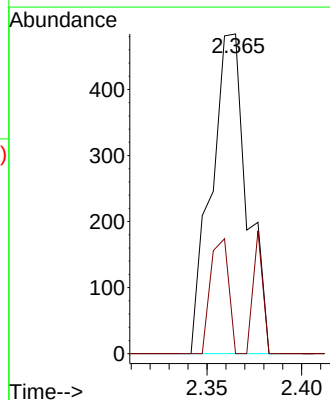
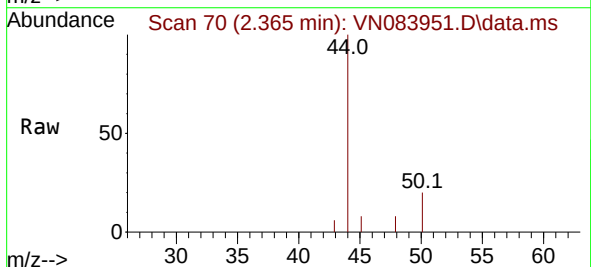
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

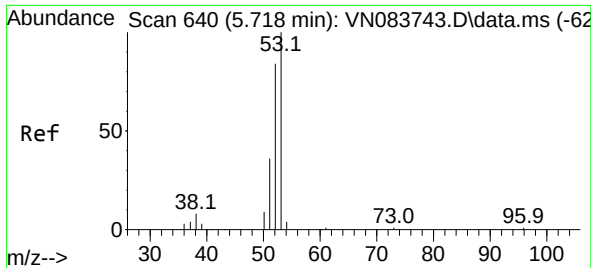
Tgt Ion:168 Resp: 156123
Ion Ratio Lower Upper
168 100
99 66.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

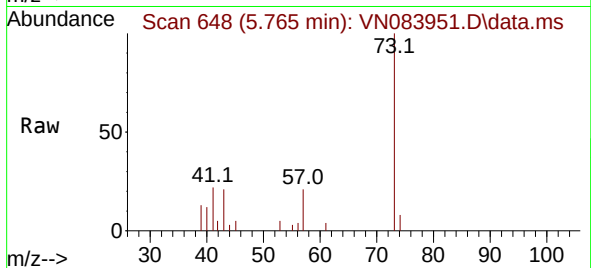
Tgt Ion: 50 Resp: 637
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



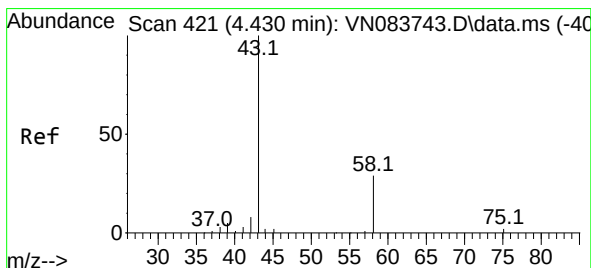
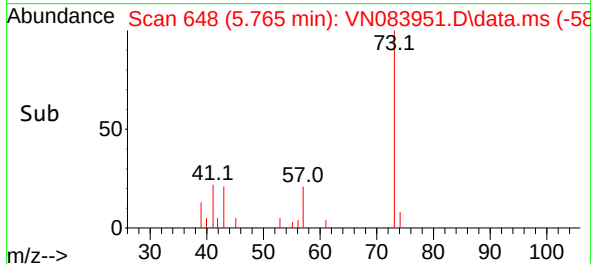
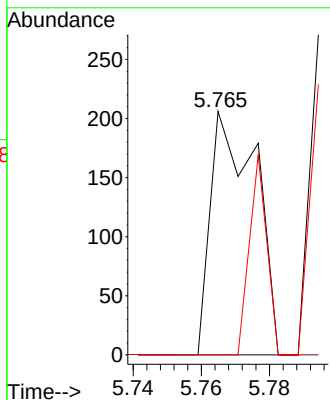


#15
Acrylonitrile
Concen: 0.220 ug/l
RT: 5.765 min Scan# 64
Delta R.T. 0.047 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

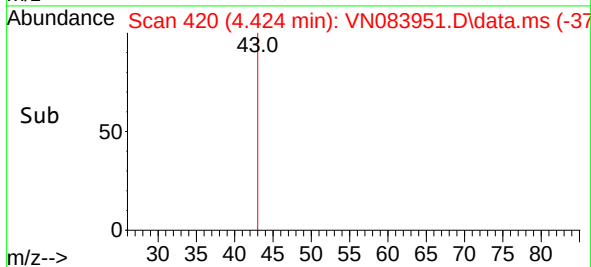
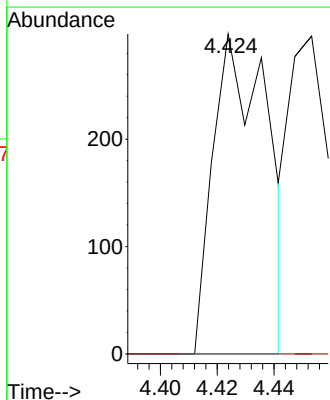
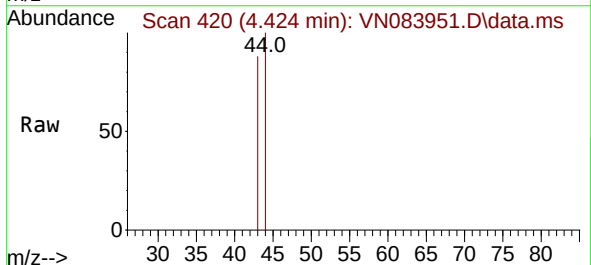


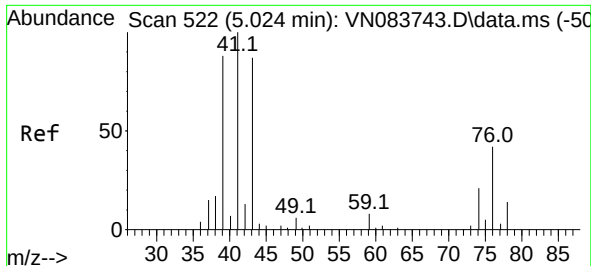
Tgt Ion: 53 Resp: 189
Ion Ratio Lower Upper
53 100
52 0.0 66.1 99.1#
51 31.7 29.6 44.4



#16
Acetone
Concen: 0.421 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.047 min Scan# 51

Delta R.T. 0.023 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

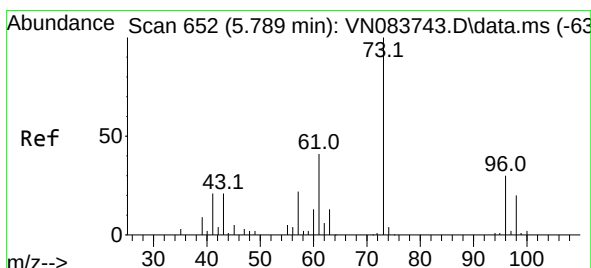
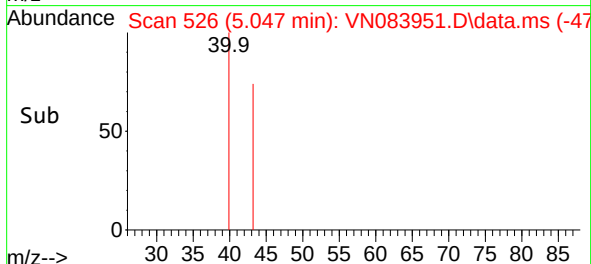
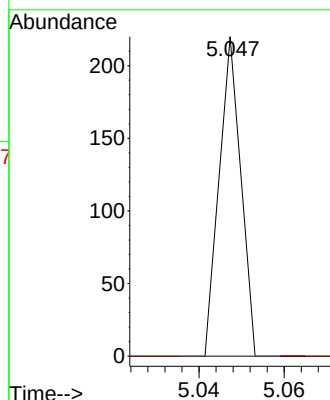
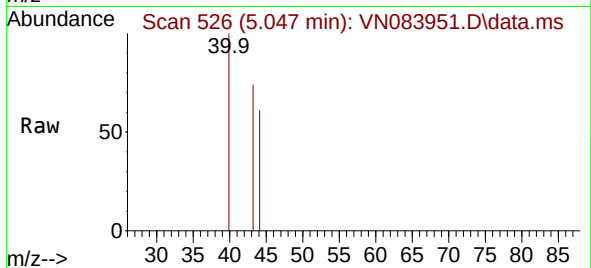
MW202D1-20240909

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 6.657 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.012 min

Lab File: VN083951.D

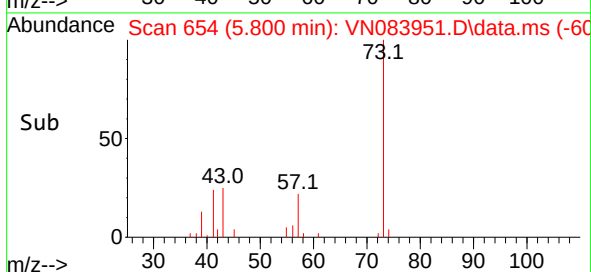
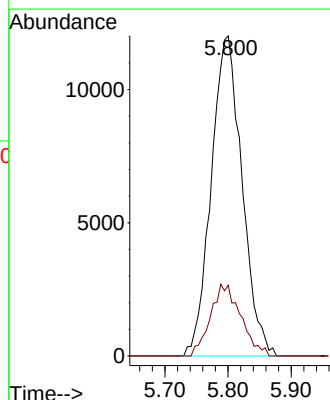
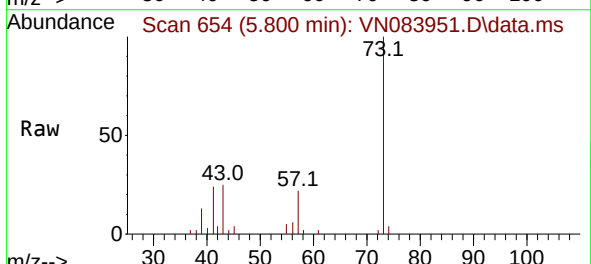
Acq: 17 Sep 2024 17:29

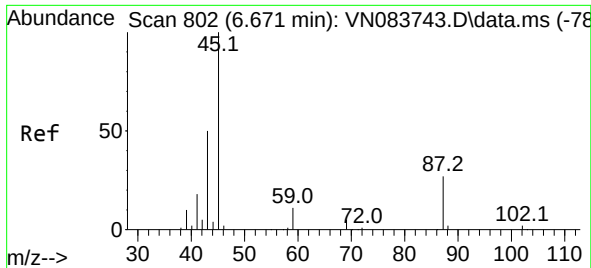
Tgt Ion: 73 Resp: 40681

Ion Ratio Lower Upper

73 100

57 22.1 17.0 25.6

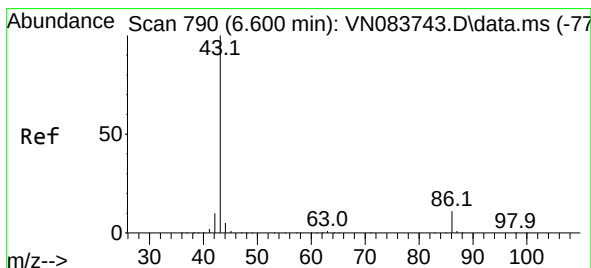
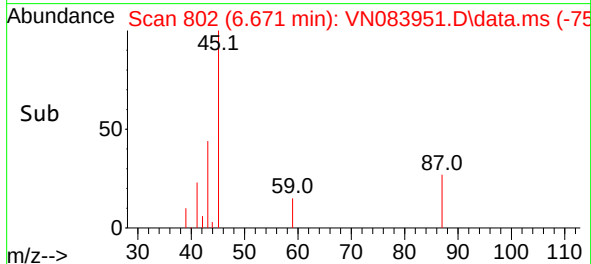
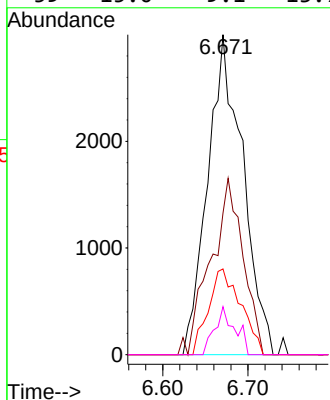
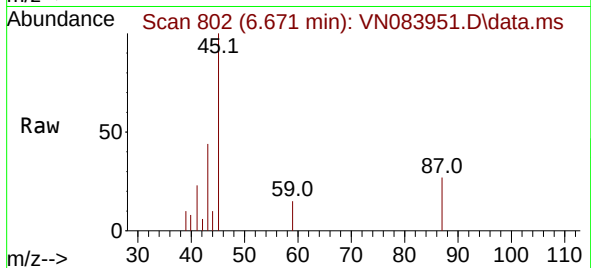




#22
Diisopropyl ether
Concen: 1.383 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

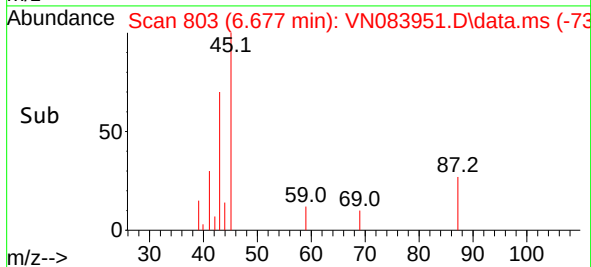
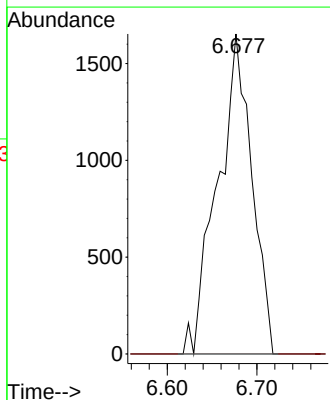
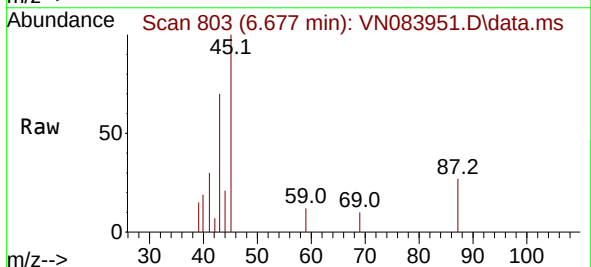
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

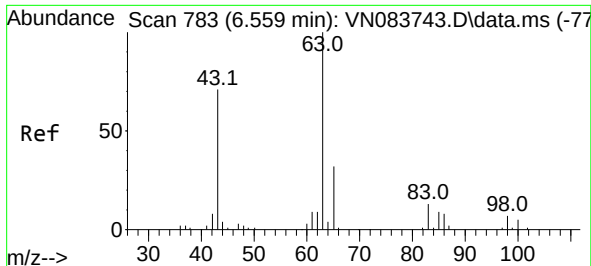
Tgt Ion:	45	Resp:	8568
Ion	Ratio	Lower	Upper
45	100		
43	44.2	43.4	65.0
87	26.8	22.6	33.8
59	15.0	9.1	13.7



#23
Vinyl Acetate
Concen: 0.965 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.076 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion:	43	Resp:	4375
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1

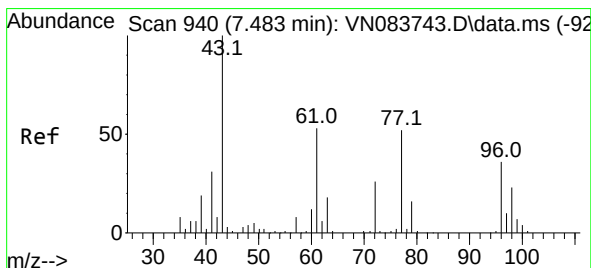
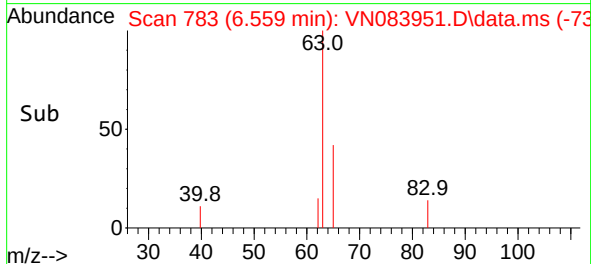
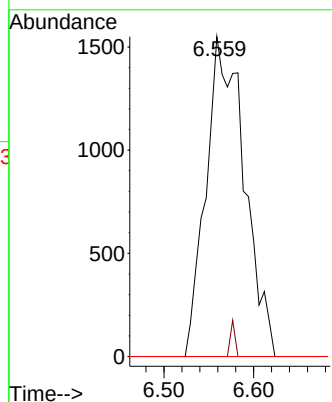
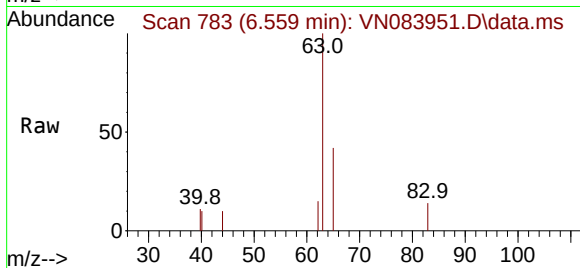




#24
1,1-Dichloroethane
Concen: 1.287 ug/l
RT: 6.559 min Scan# 741
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

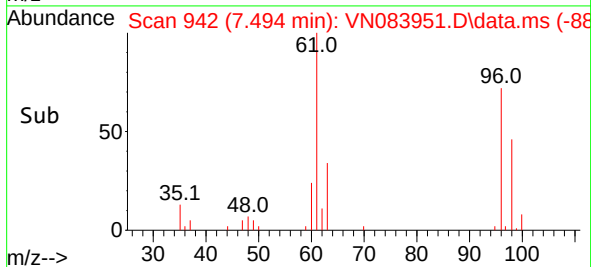
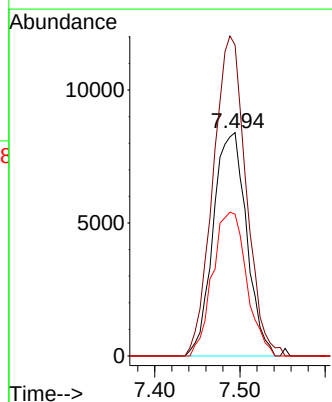
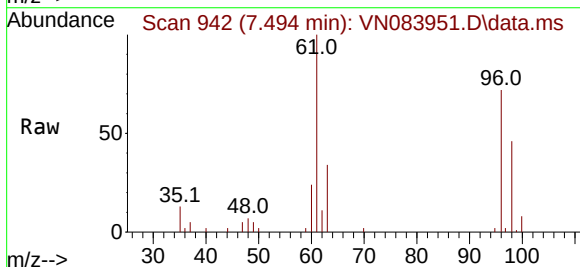
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

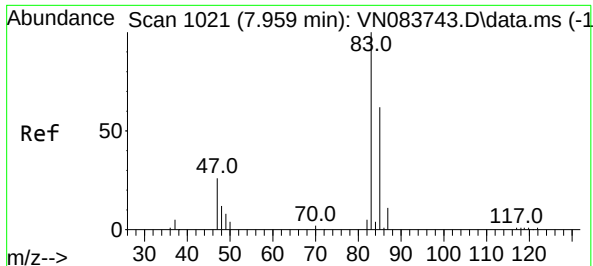
Tgt Ion: 63 Resp: 4591
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 10.622 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion: 96 Resp: 22818
Ion Ratio Lower Upper
96 100
61 141.8 0.0 306.2
98 65.7 0.0 128.6





#30

Chloroform

Concen: 0.528 ug/l

RT: 7.959 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

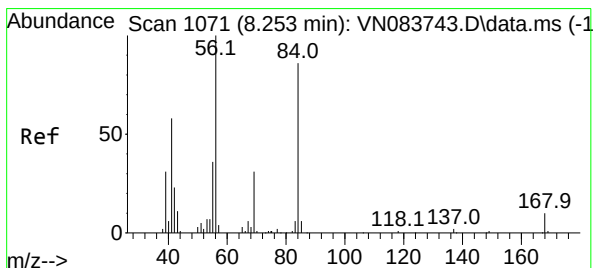
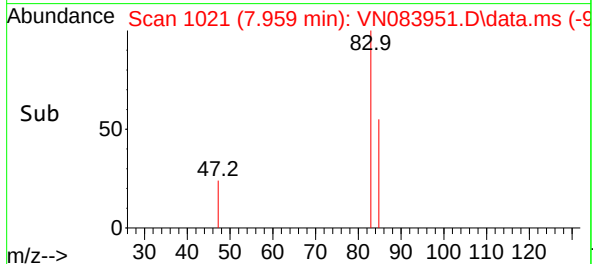
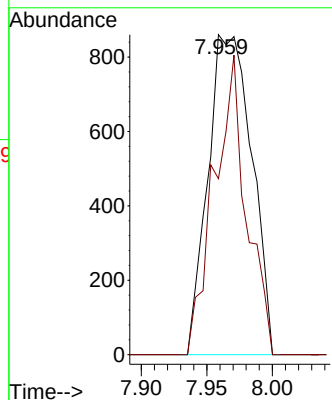
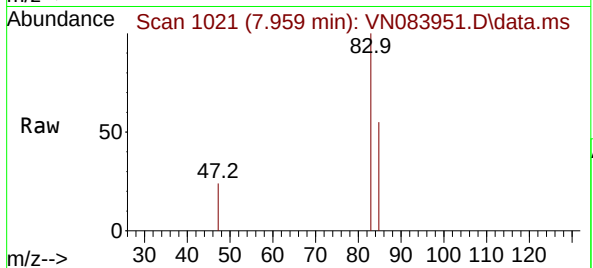
MW202D1-20240909

Tgt Ion: 83 Resp: 1999

Ion Ratio Lower Upper

83 100

85 55.0 52.8 79.2



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

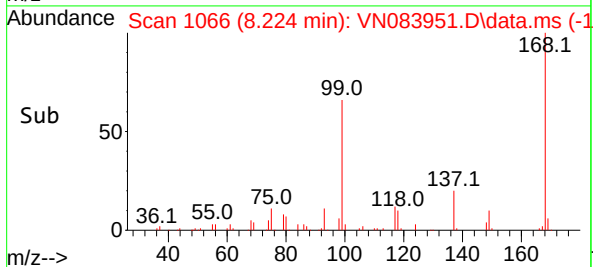
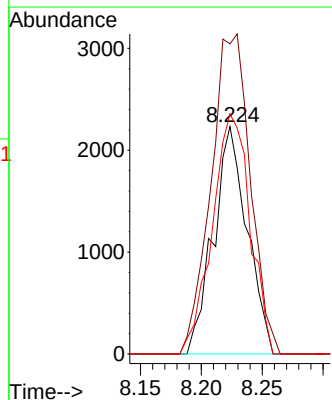
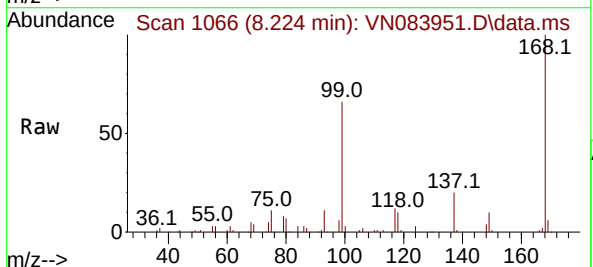
Tgt Ion: 56 Resp: 4306

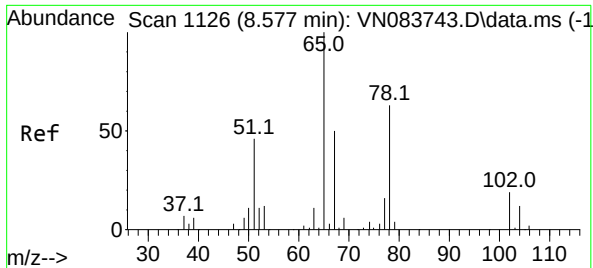
Ion Ratio Lower Upper

56 100

69 136.3 26.9 40.3#

84 105.6 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.818 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

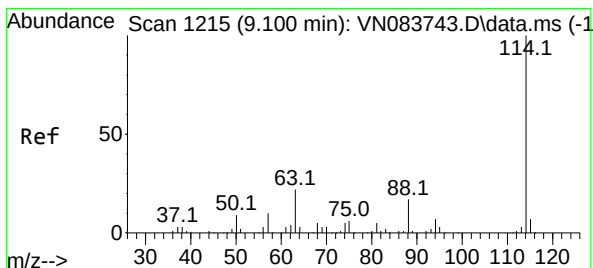
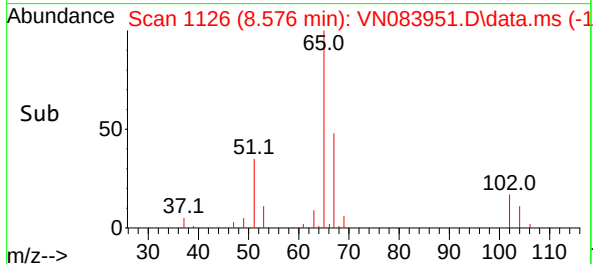
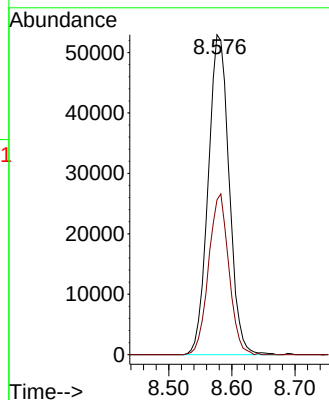
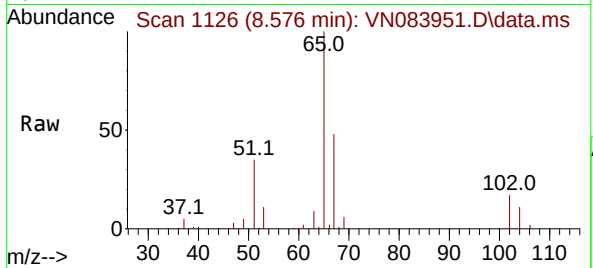
MW202D1-20240909

Tgt Ion: 65 Resp: 121985

Ion Ratio Lower Upper

65 100

67 48.6 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: VN083951.D

Acq: 17 Sep 2024 17:29

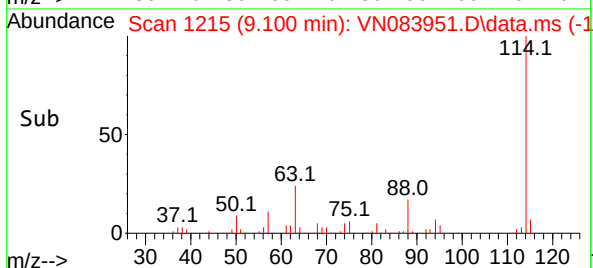
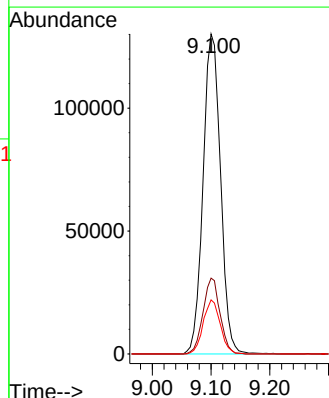
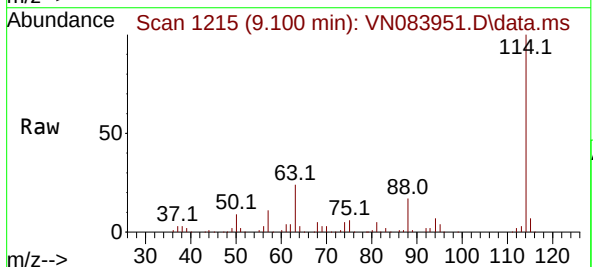
Tgt Ion: 114 Resp: 268548

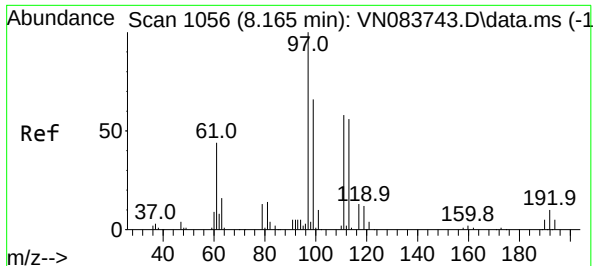
Ion Ratio Lower Upper

114 100

63 23.7 0.0 43.4

88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.660 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

MW202D1-20240909

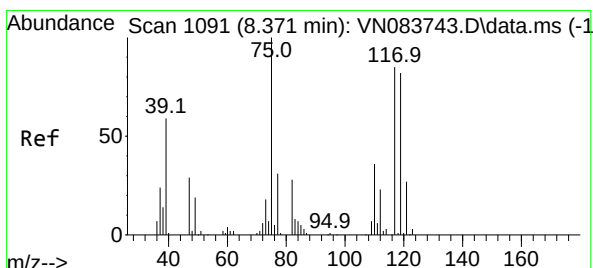
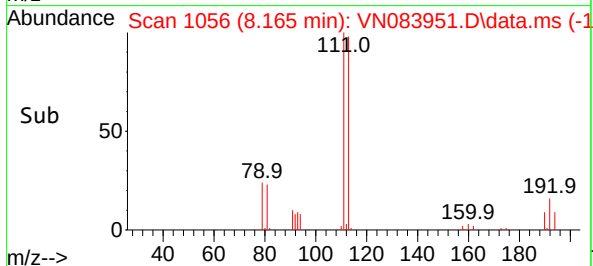
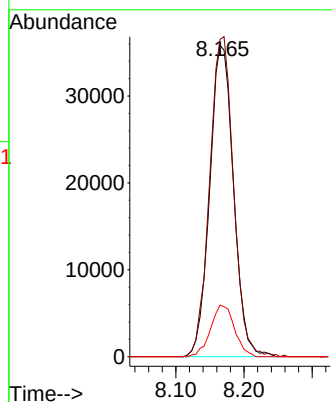
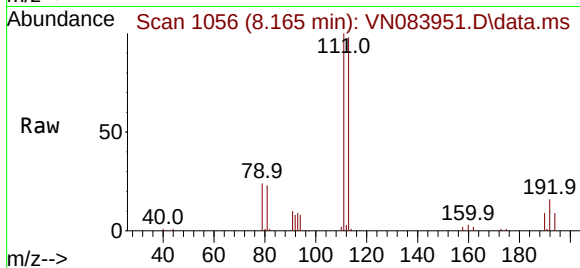
Tgt Ion:113 Resp: 87096

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 16.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.794 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

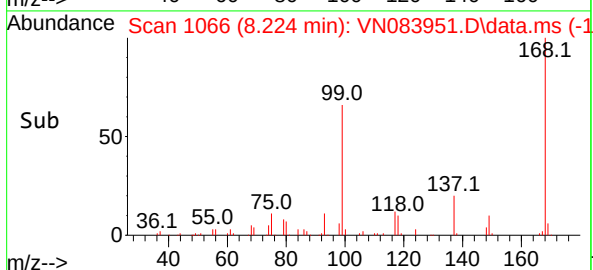
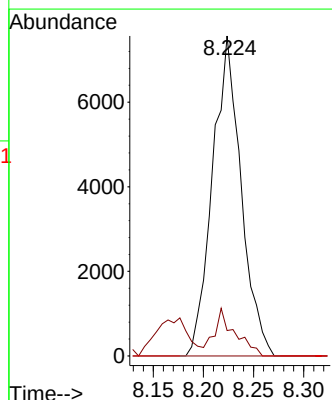
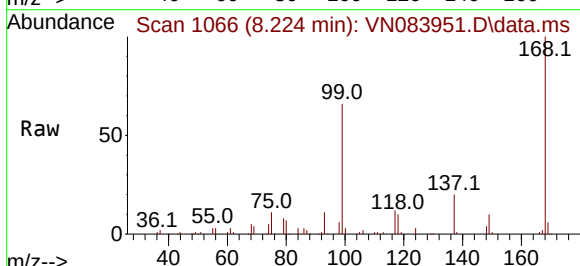
Tgt Ion: 75 Resp: 14992

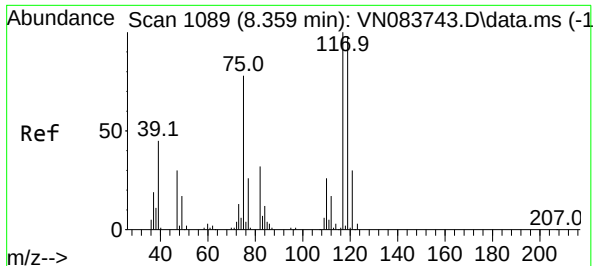
Ion Ratio Lower Upper

75 100

110 10.6 16.7 50.1#

77 0.0 25.2 37.8#

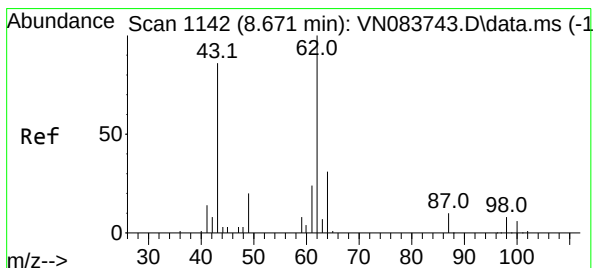
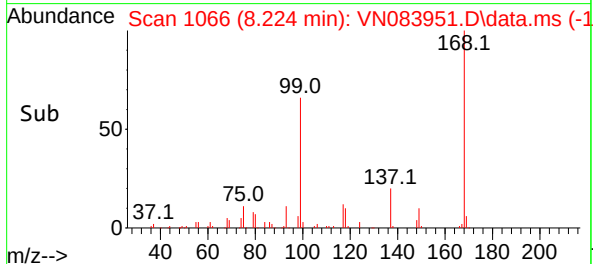
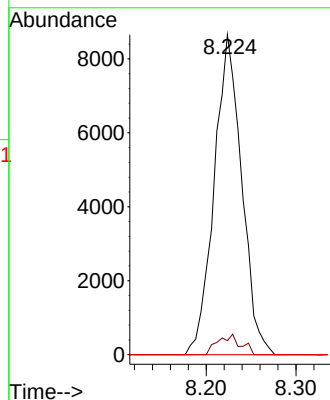
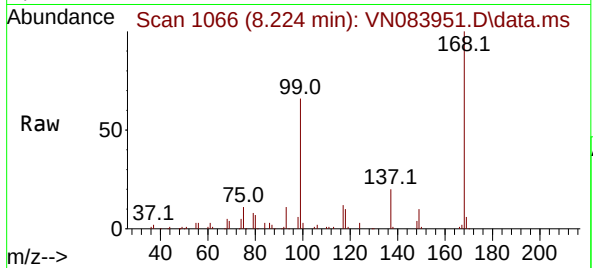




#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

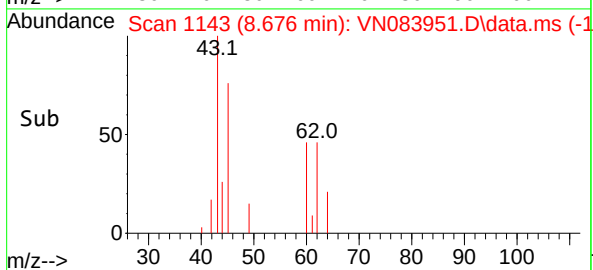
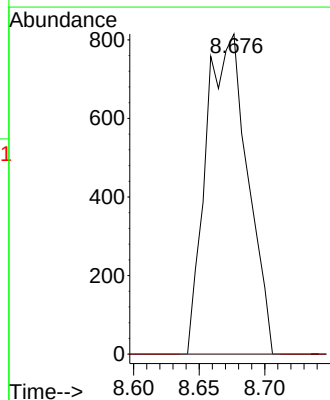
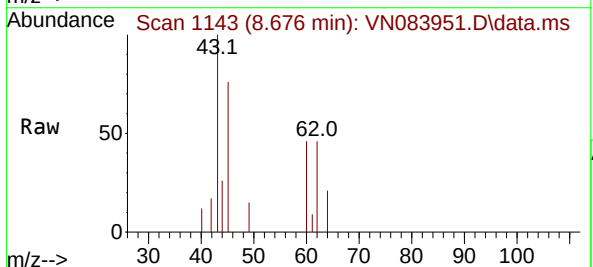
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

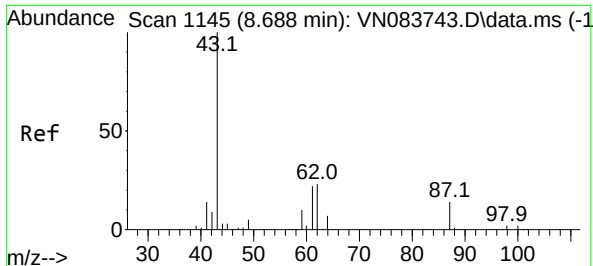
Tgt Ion: 117 Resp: 18407
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.616 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion: 62 Resp: 1794
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 1.003 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.012 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

MW202D1-20240909

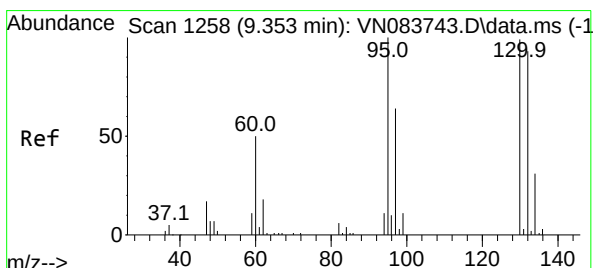
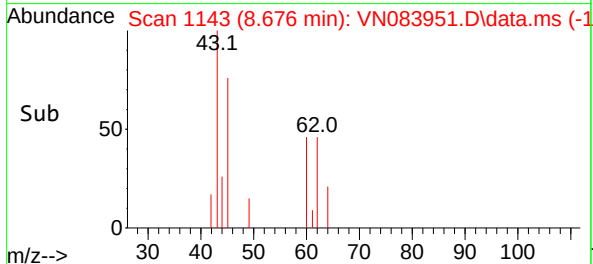
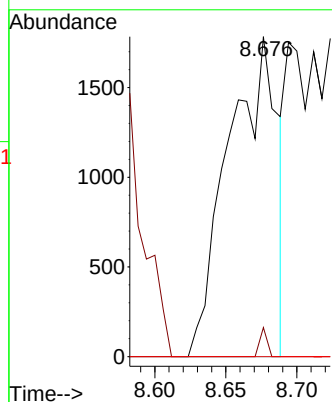
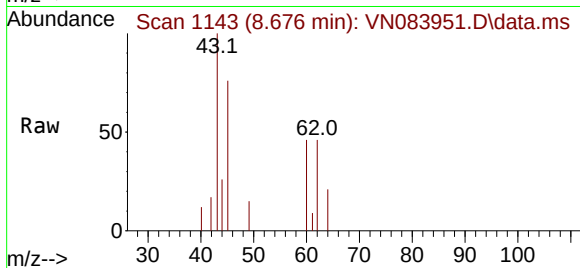
Tgt Ion: 43 Resp: 4269

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 7.660 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN083951.D

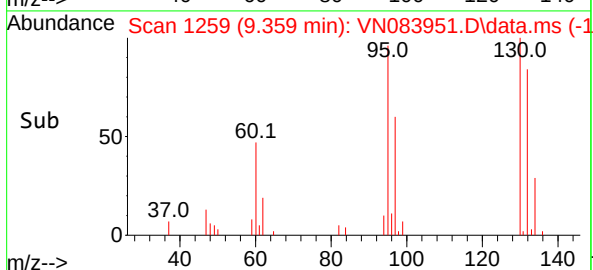
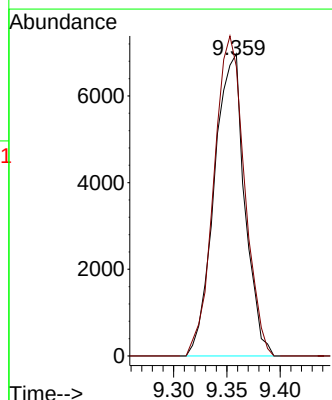
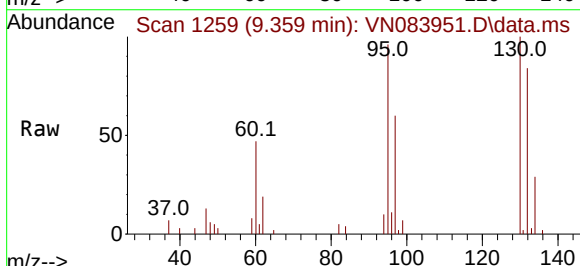
Acq: 17 Sep 2024 17:29

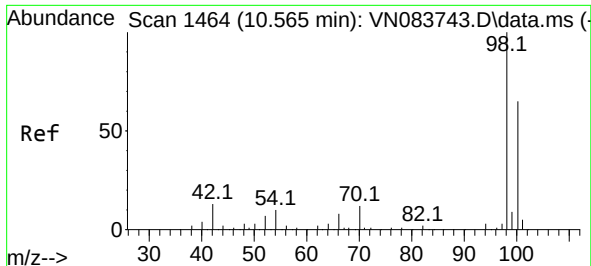
Tgt Ion:130 Resp: 13815

Ion Ratio Lower Upper

130 100

95 95.8 0.0 200.4

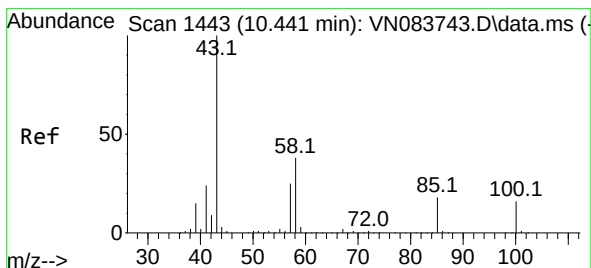
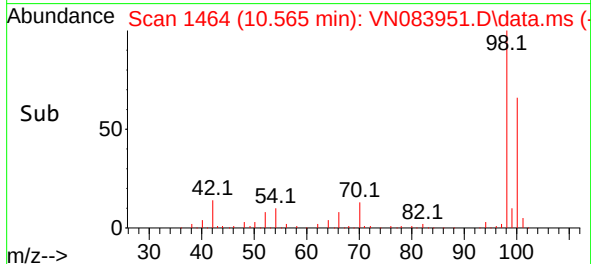
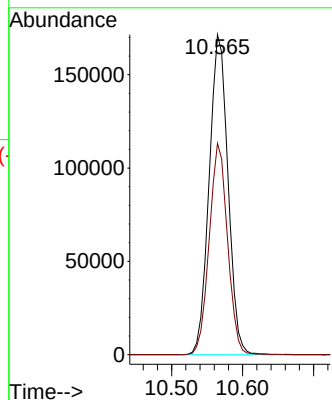
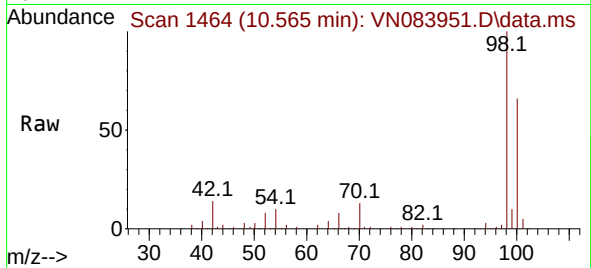




#50
Toluene-d8
Concen: 53.028 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

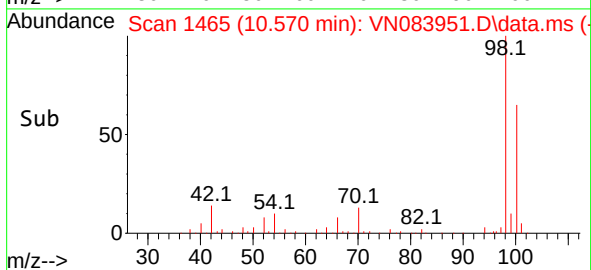
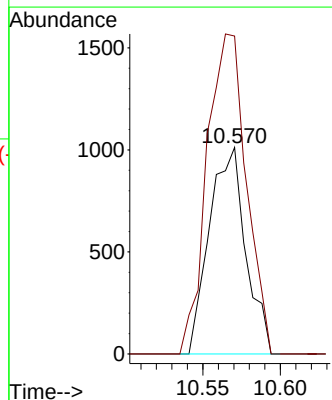
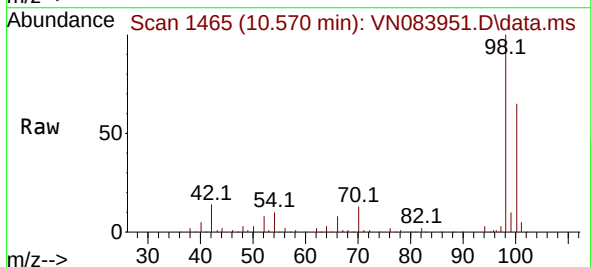
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

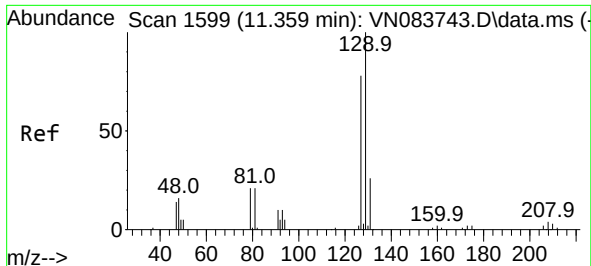
Tgt Ion: 98 Resp: 315169
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.712 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
58 168.1 31.6 47.4#

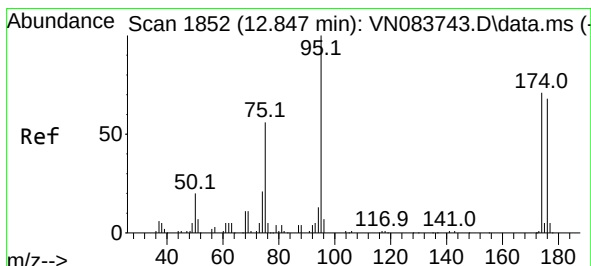
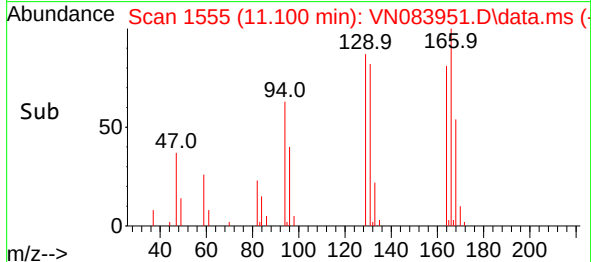
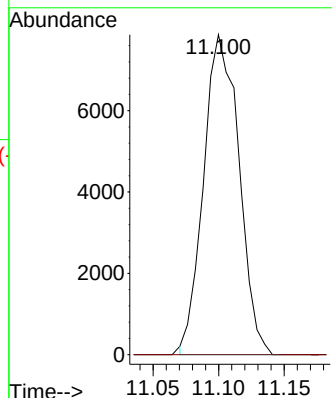
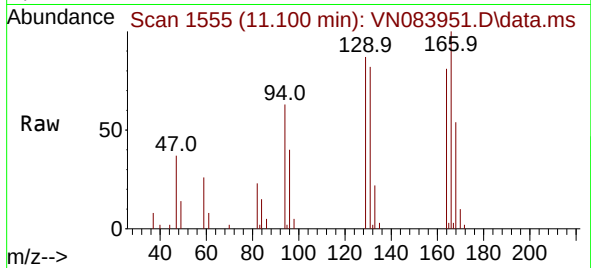




#60
Dibromochloromethane
Concen: 7.404 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

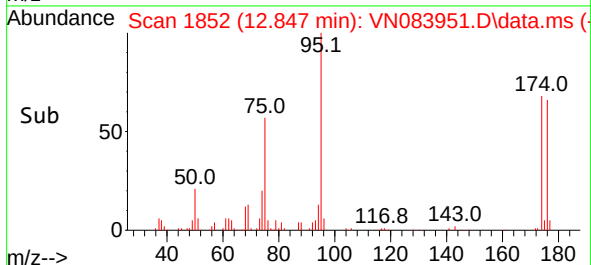
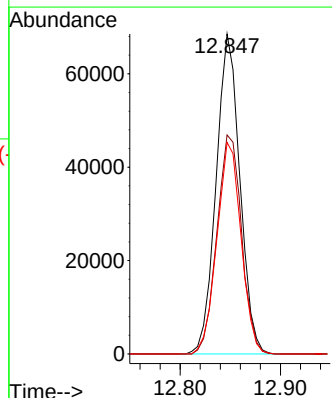
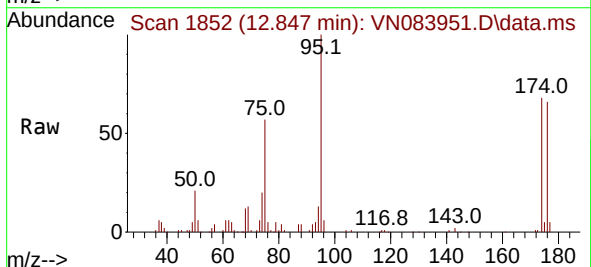
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

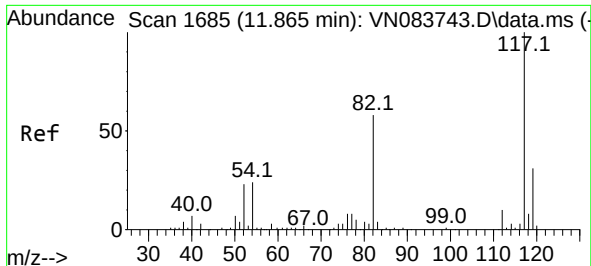
Tgt Ion:129 Resp: 14737
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 45.855 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion: 95 Resp: 112441
Ion Ratio Lower Upper
95 100
174 71.1 0.0 139.8
176 67.3 0.0 131.4

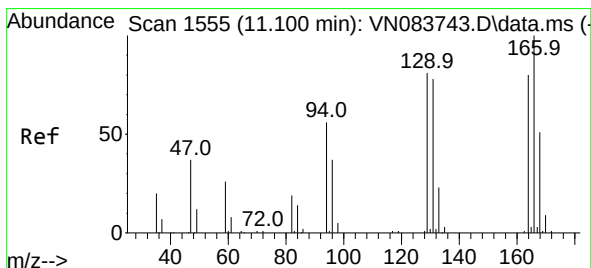
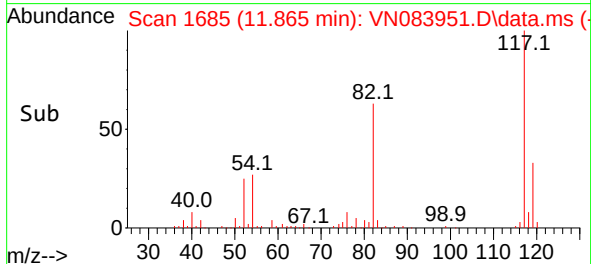
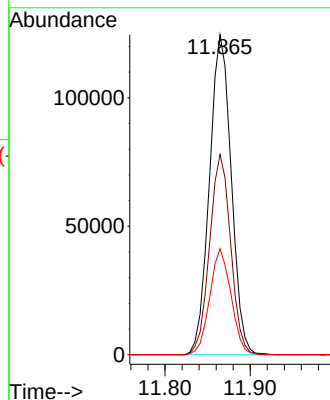
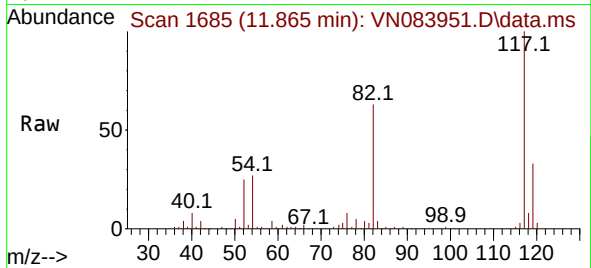




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

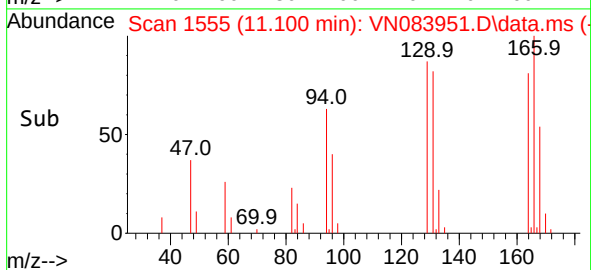
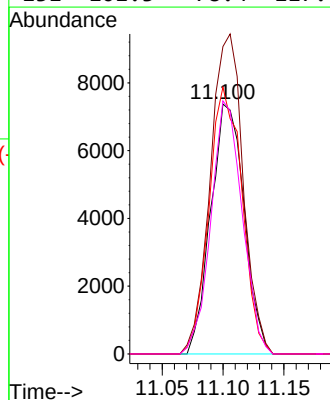
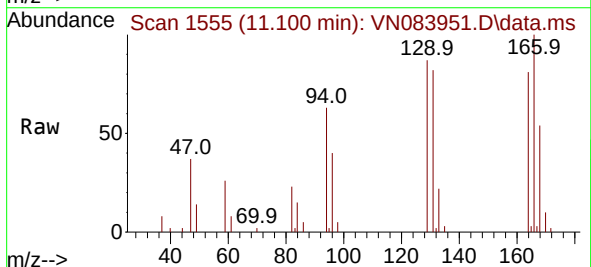
Instrument :
MSVOA_N
ClientSampleId :
MW202D1-20240909

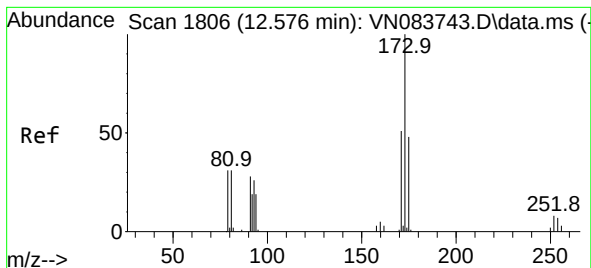
Tgt Ion:117 Resp: 221733
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.0
119 33.1 26.3 39.5



#64
Tetrachloroethene
Concen: 9.517 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN083951.D
Acq: 17 Sep 2024 17:29

Tgt Ion:164 Resp: 14034
Ion Ratio Lower Upper
164 100
166 123.0 103.7 155.5
129 106.7 79.9 119.9
131 101.3 78.4 117.6





#71

Bromoform

Concen: 0.505 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

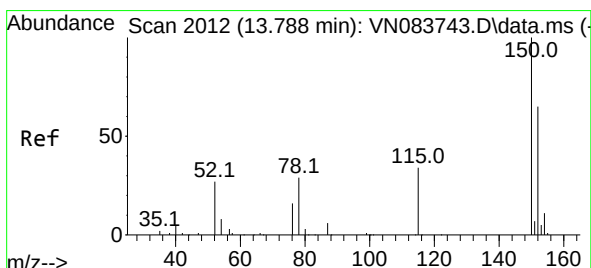
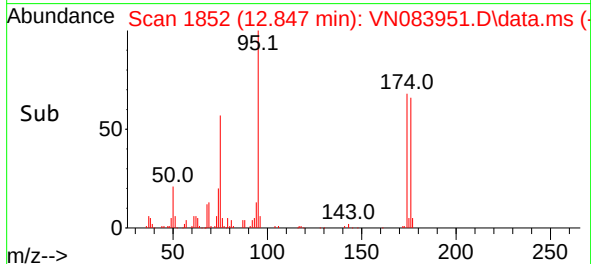
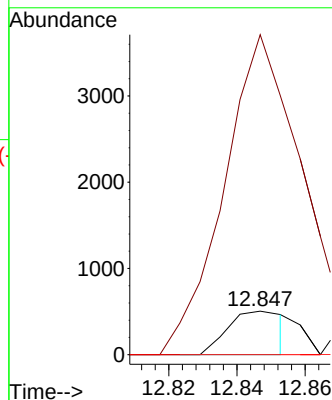
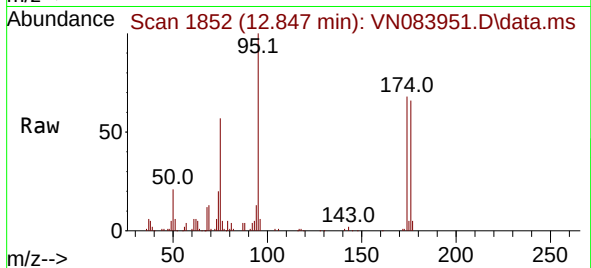
Instrument :

MSVOA_N

ClientSampleId :

MW202D1-20240909

Tgt Ion:	173	Resp:	581
Ion Ratio	Lower	Upper	
173	100		
175	763.2	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

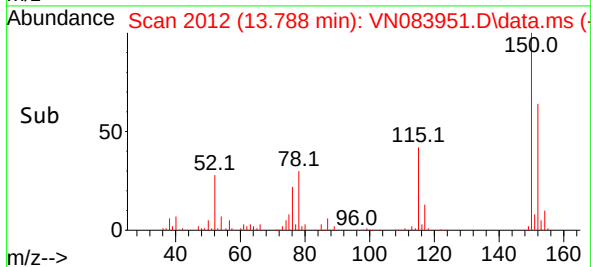
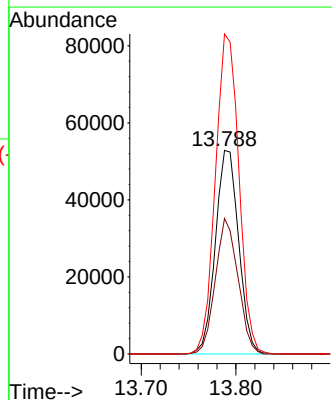
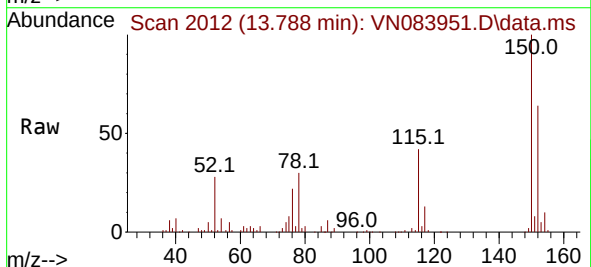
RT: 13.788 min Scan# 1212

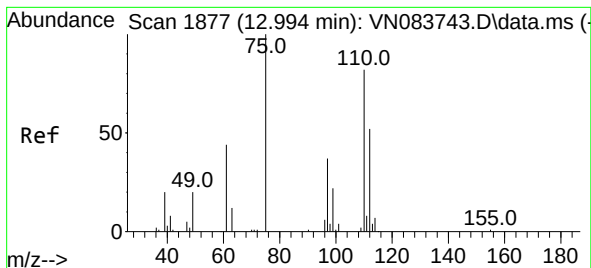
Delta R.T. -0.000 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Tgt Ion:	152	Resp:	90144
Ion Ratio	Lower	Upper	
152	100		
115	64.9	32.2	96.6
150	158.9	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 36.246 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

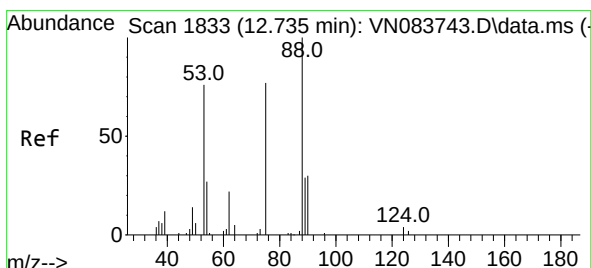
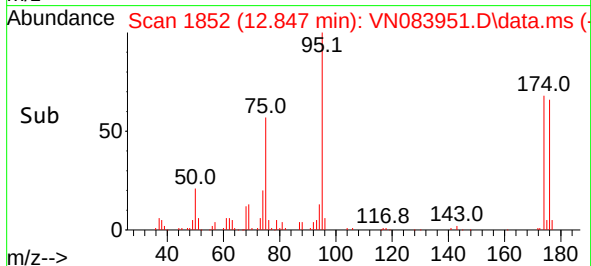
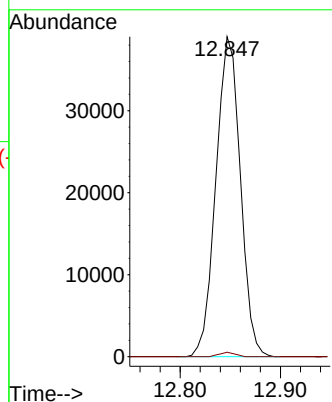
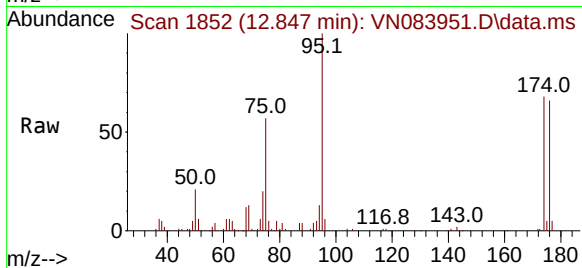
MW202D1-20240909

Tgt Ion: 75 Resp: 65929

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.931 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083951.D

Acq: 17 Sep 2024 17:29

Tgt Ion: 75 Resp: 65929

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

