

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083885.D
 Acq On : 14 Sep 2024 13:08
 Operator : JC\MD
 Sample : P3957-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20240909RE

Quant Time: Sep 16 01:33:55 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)

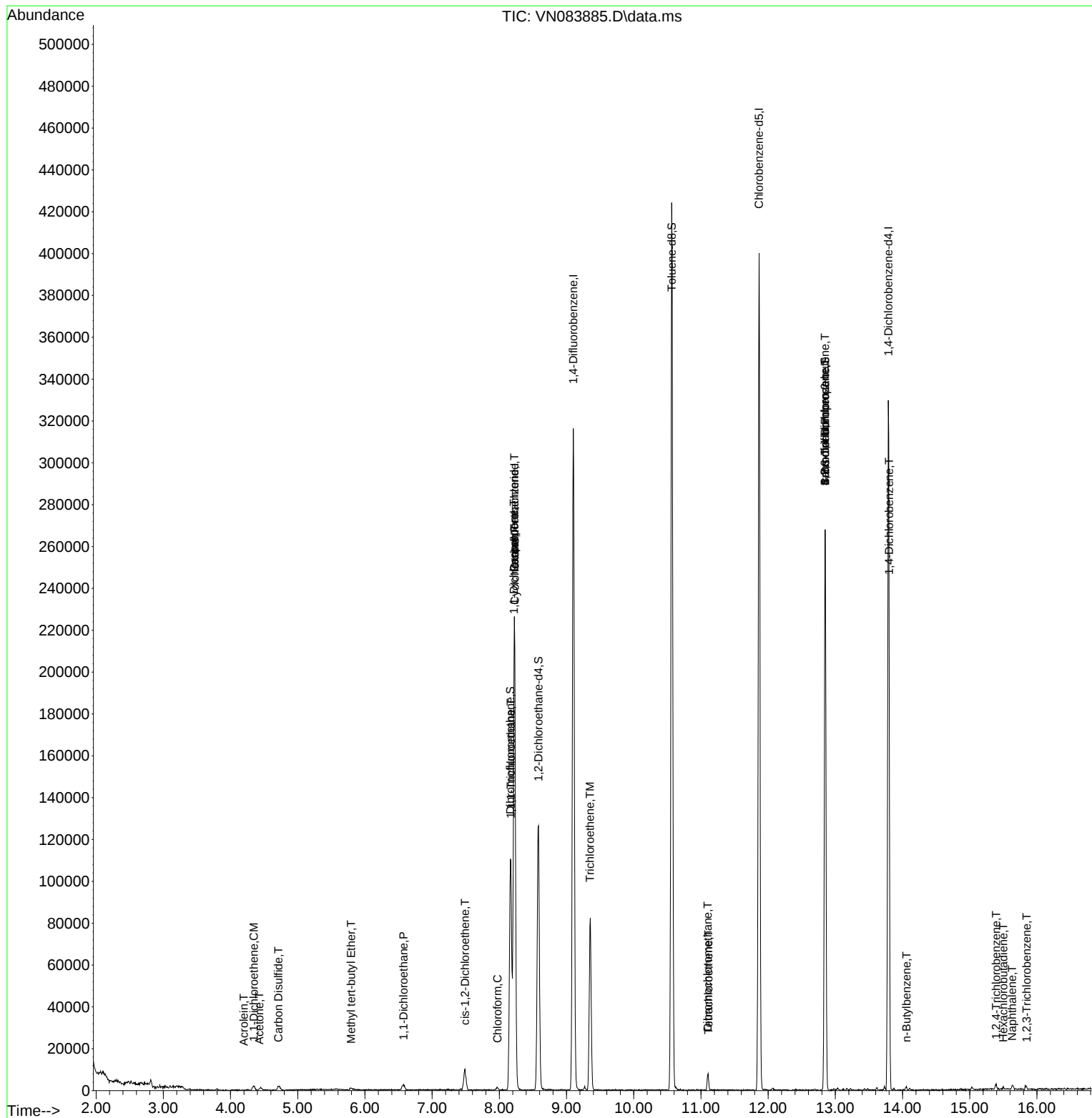
Internal Standards						
1) Pentafluorobenzene	8.224	168	152635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	109368	47.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.040%		
35) Dibromofluoromethane	8.165	113	77919	47.176	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.360%		
50) Toluene-d8	10.565	98	282007	49.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.847	95	91044	38.647	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	77.300%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	443	Below Cal	#	41
12) 1,1-Dichloroethene	4.348	96	1301	0.788	ug/l	83
13) Acrolein	4.201	56	66	0.217	ug/l #	13
16) Acetone	4.430	43	447	0.484	ug/l #	45
17) Carbon Disulfide	4.712	76	1256	0.272	ug/l #	75
19) Methyl tert-butyl Ether	5.795	73	1575	0.264	ug/l #	55
24) 1,1-Dichloroethane	6.577	63	4442	1.273	ug/l #	82
27) cis-1,2-Dichloroethene	7.489	96	5595	2.664	ug/l	90
30) Chloroform	7.971	83	1383	0.373	ug/l	87
31) Cyclohexane	8.230	56	4469	1.344	ug/l #	43
32) 1,1,1-Trichloroethane	8.171	97	1572	0.462	ug/l #	44
36) 1,1-Dichloropropene	8.218	75	14663	5.898	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17131	6.074	ug/l #	16
44) Trichloroethene	9.347	130	27622	15.941	ug/l	97
60) Dibromochloromethane	11.100	129	1501	0.785	ug/l #	10
64) Tetrachloroethene	11.112	164	1613	1.146	ug/l #	62
71) Bromoform	12.847	173	759	0.691	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	51469	31.097	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51469	81.445	ug/l #	9
88) 1,4-Dichlorobenzene	13.800	146	892	0.306	ug/l #	12
89) n-Butylbenzene	14.059	91	1202	0.257	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	815	0.546	ug/l	84
94) Hexachlorobutadiene	15.500	225	398	0.628	ug/l #	65
95) Naphthalene	15.629	128	2689	0.592	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.847	180	819	0.574	ug/l	84

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
Data File : VN083885.D
Acq On : 14 Sep 2024 13:08
Operator : JC\MD
Sample : P3957-03RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

Quant Time: Sep 16 01:33:55 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

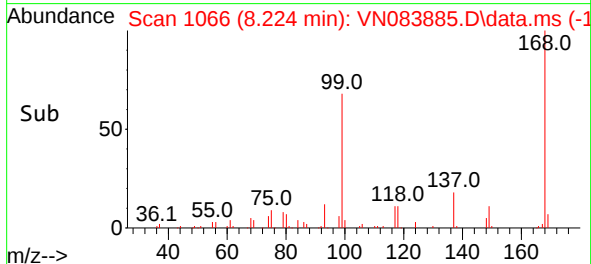
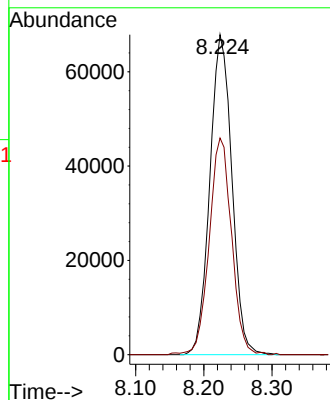
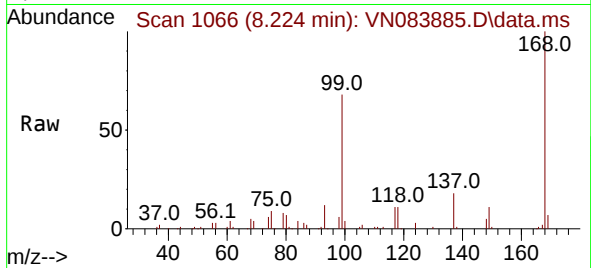




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

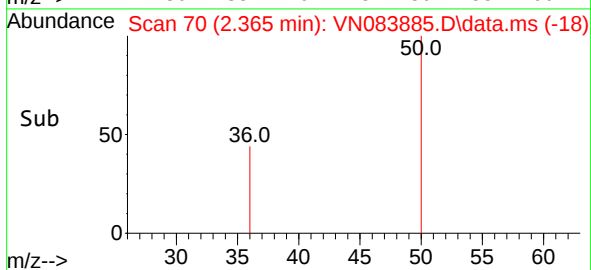
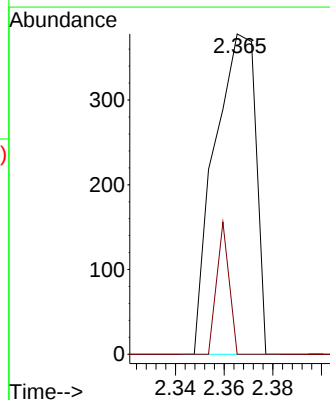
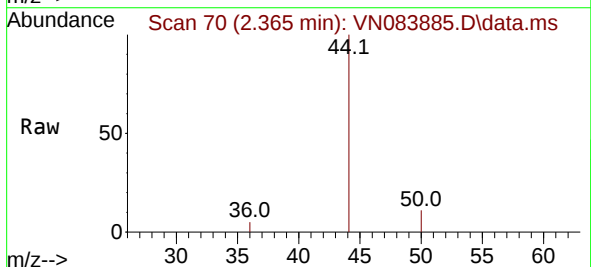
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

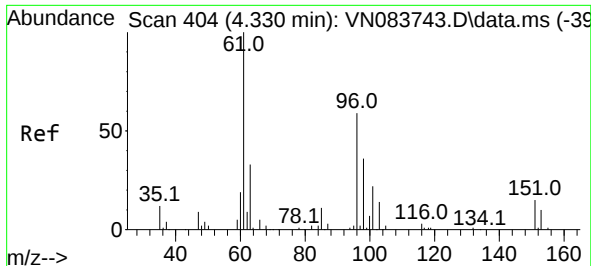
Tgt Ion:168 Resp: 152635
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

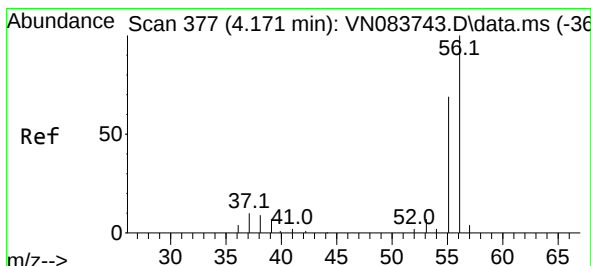
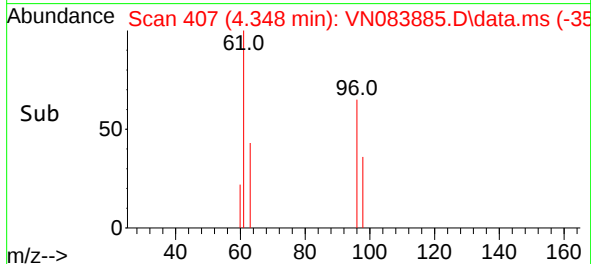
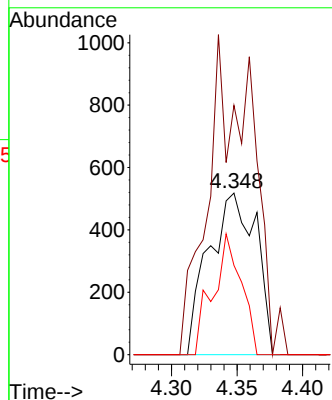
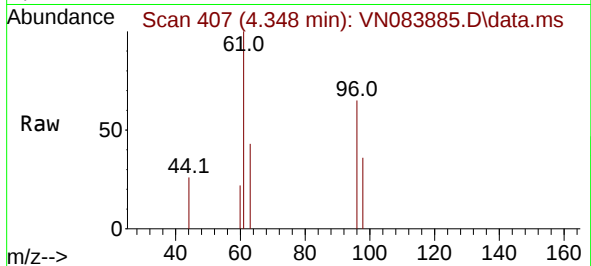




#12
 1,1-Dichloroethene
 Concen: 0.788 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

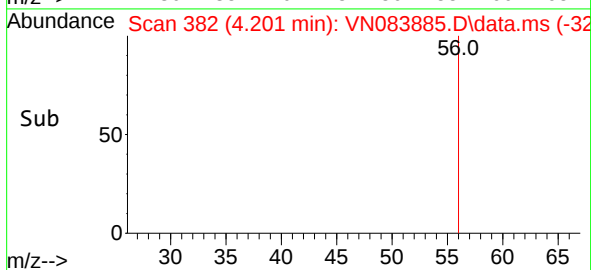
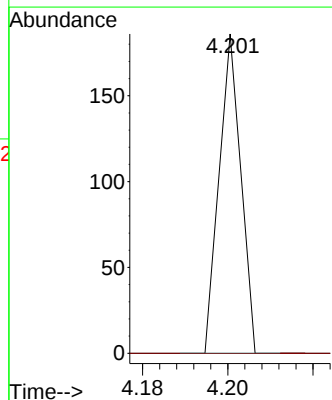
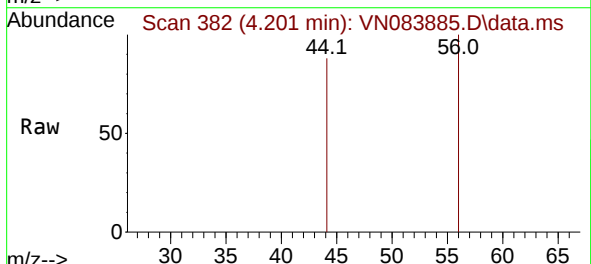
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20240909RE

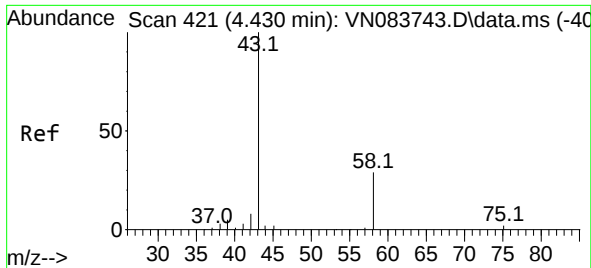
Tgt Ion: 96 Resp: 1301
 Ion Ratio Lower Upper
 96 100
 61 154.2 143.4 215.0
 98 55.2 52.7 79.1



#13
 Acrolein
 Concen: 0.217 ug/l
 RT: 4.201 min Scan# 382
 Delta R.T. 0.029 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

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





#16

Acetone

Concen: 0.484 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN083885.D

Acq: 14 Sep 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

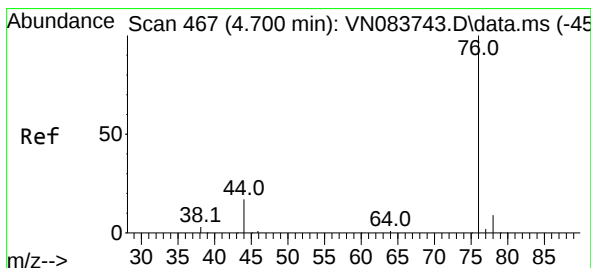
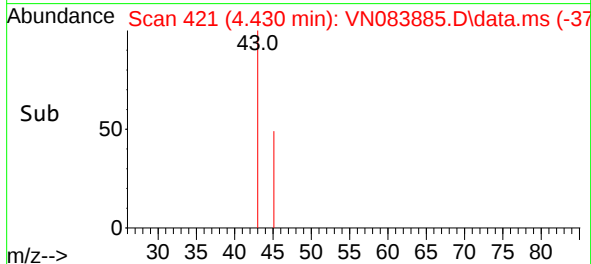
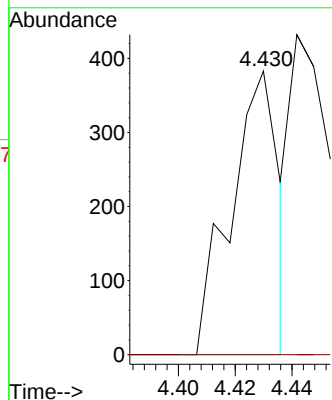
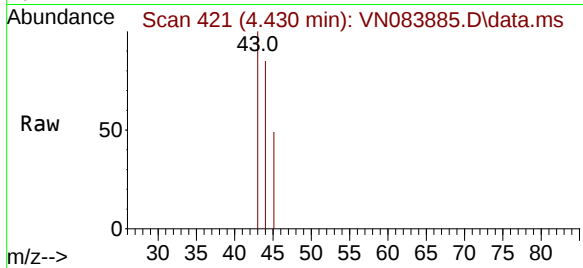
MW203D-20240909RE

Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.272 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.012 min

Lab File: VN083885.D

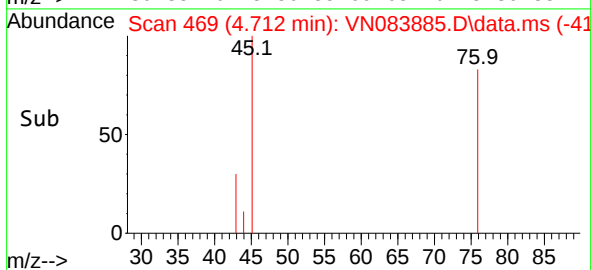
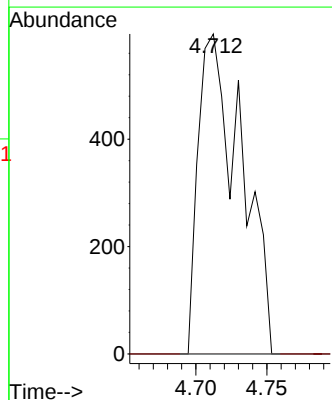
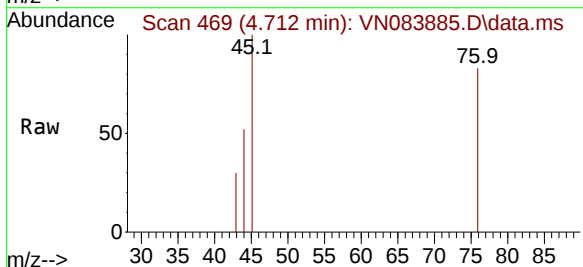
Acq: 14 Sep 2024 13:08

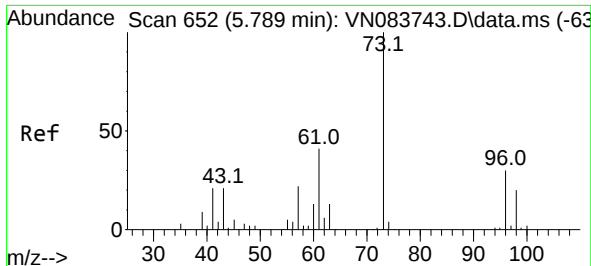
Tgt Ion: 76 Resp: 1256

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#19

Methyl tert-butyl Ether

Concen: 0.264 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN083885.D

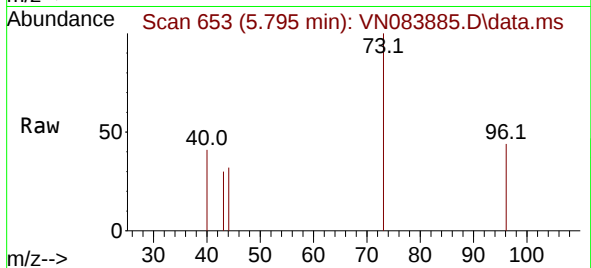
Acq: 14 Sep 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20240909RE

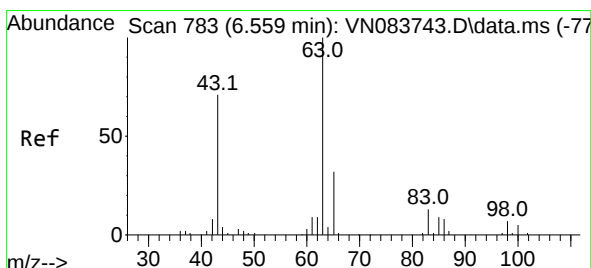
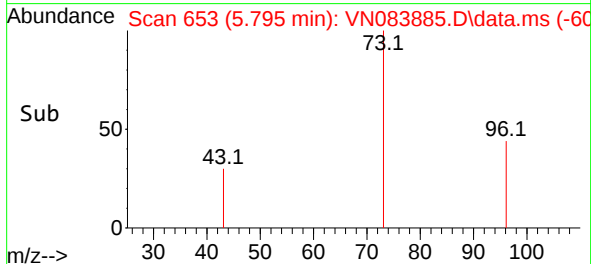
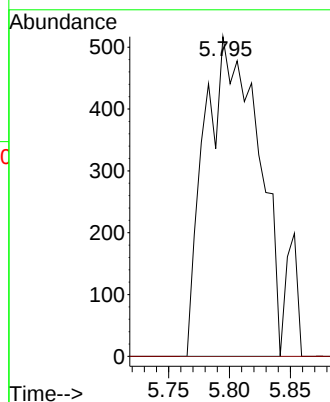


Tgt Ion: 73 Resp: 1575

Ion Ratio Lower Upper

73 100

57 0.0 17.0 25.6#



#24

1,1-Dichloroethane

Concen: 1.273 ug/l

RT: 6.577 min Scan# 786

Delta R.T. 0.018 min

Lab File: VN083885.D

Acq: 14 Sep 2024 13:08

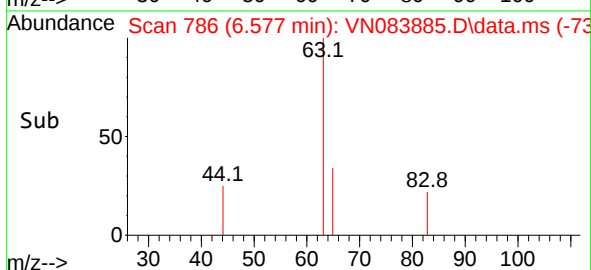
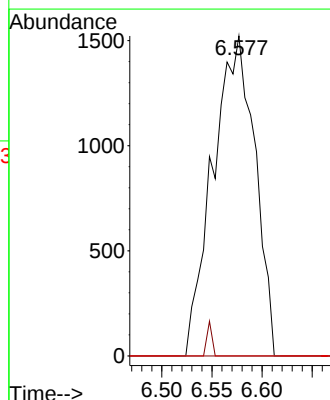
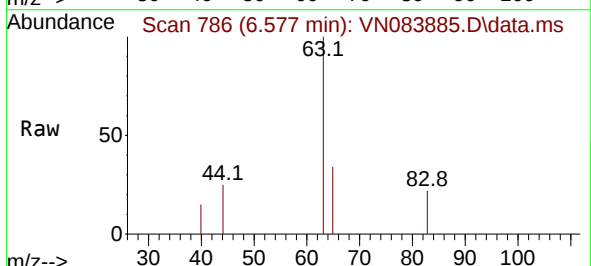
Tgt Ion: 63 Resp: 4442

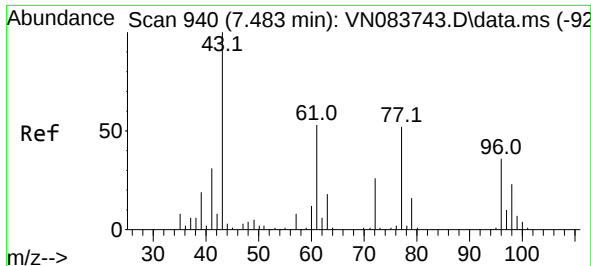
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#

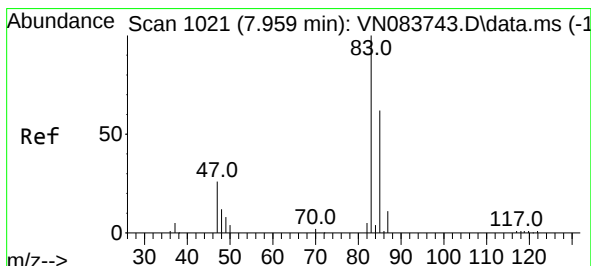
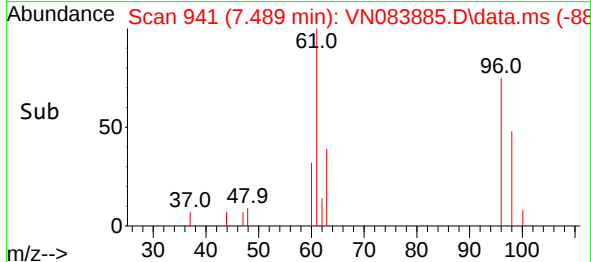
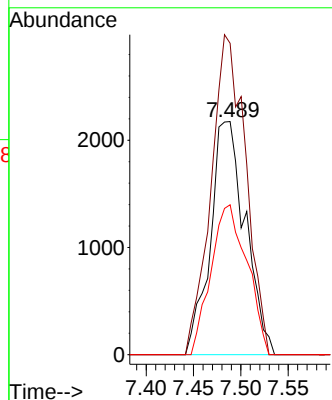
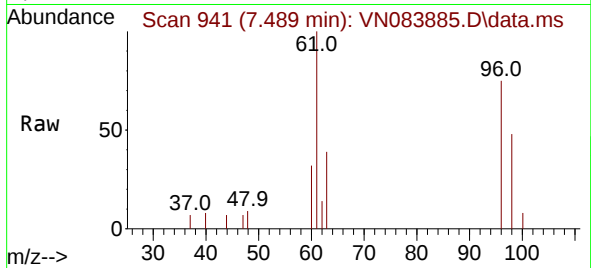




#27
 cis-1,2-Dichloroethene
 Concen: 2.664 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

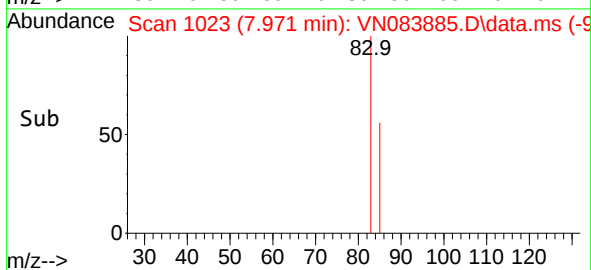
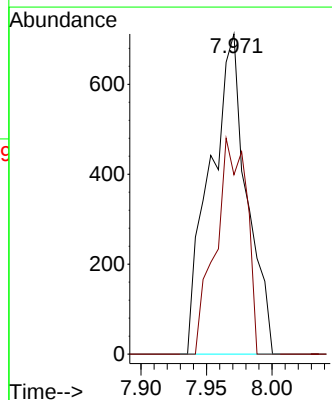
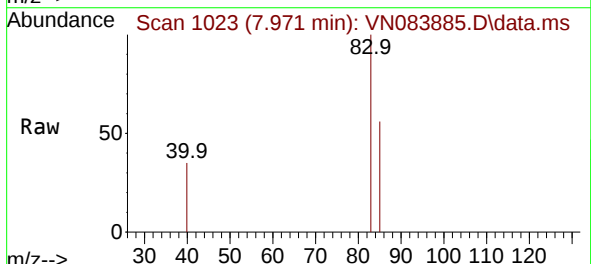
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20240909RE

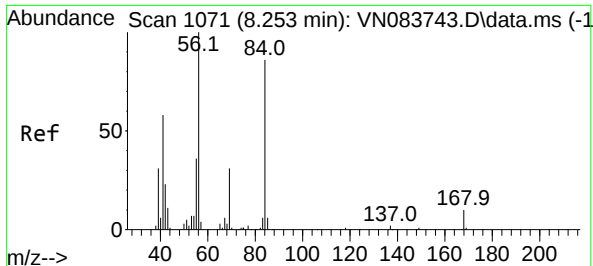
Tgt Ion: 96 Resp: 5595
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 306.2
 98 66.2 0.0 128.6



#30
 Chloroform
 Concen: 0.373 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.012 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

Tgt Ion: 83 Resp: 1383
 Ion Ratio Lower Upper
 83 100
 85 56.0 52.8 79.2

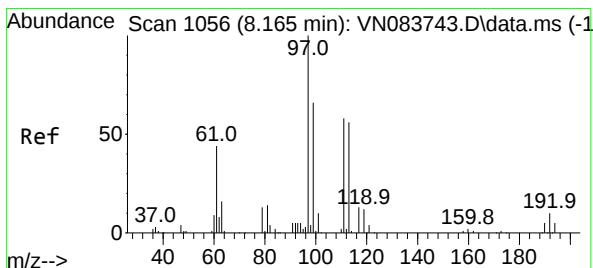
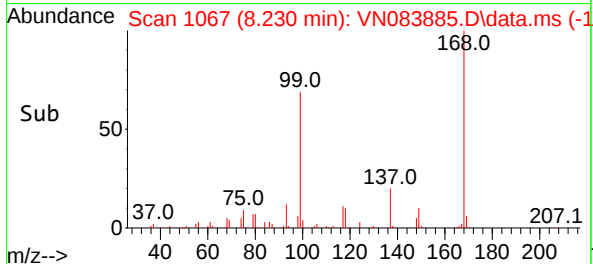
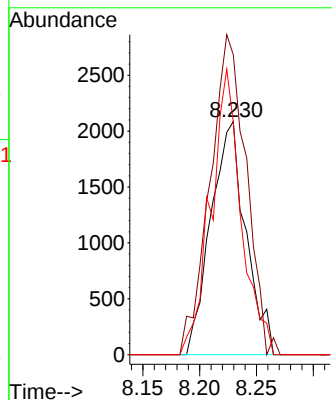
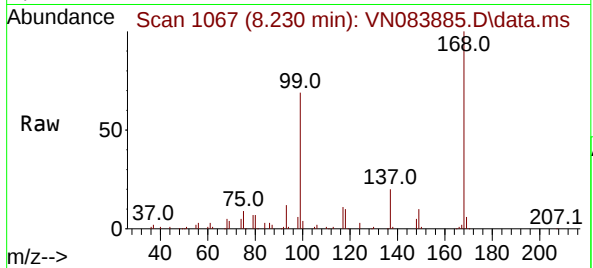




#31
Cyclohexane
Concen: 1.344 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

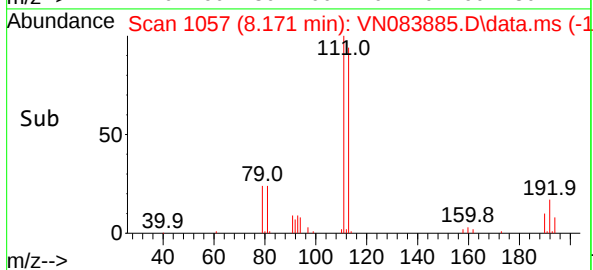
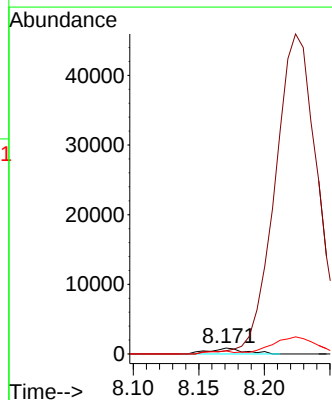
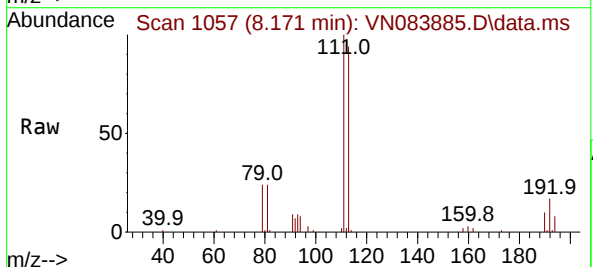
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

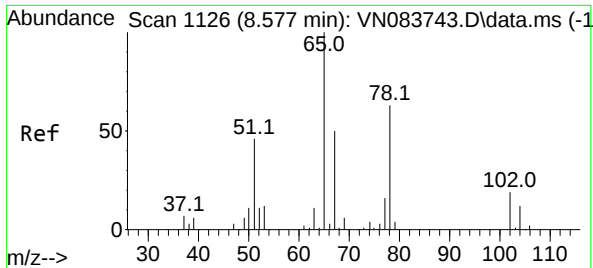
Tgt Ion: 56 Resp: 4469
Ion Ratio Lower Upper
56 100
69 128.7 26.9 40.3#
84 99.6 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 0.462 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion: 97 Resp: 1572
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 34.3 38.2 57.2#

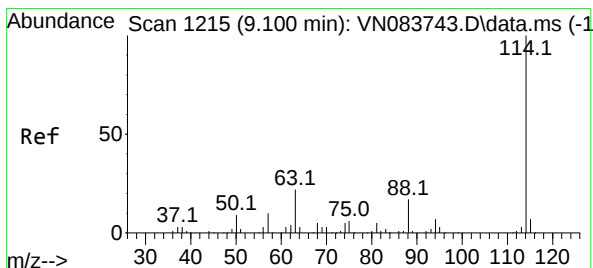
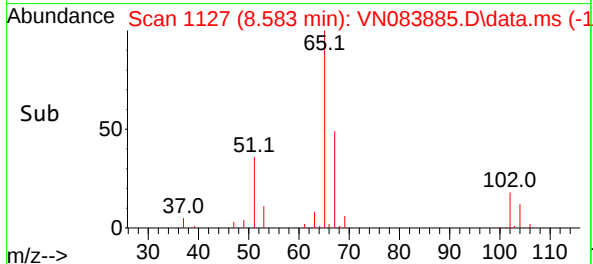
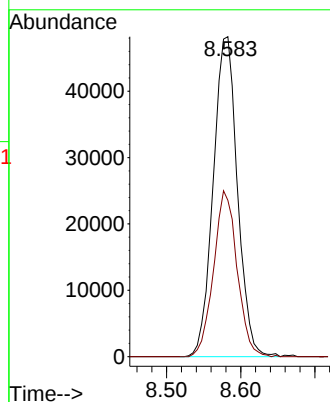
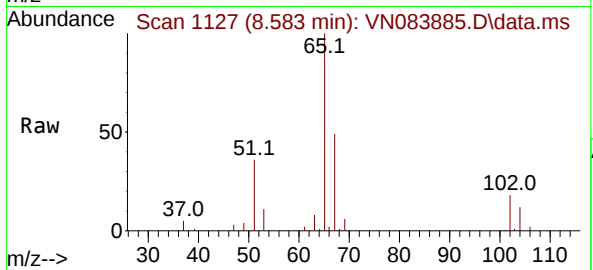




#33
 1,2-Dichloroethane-d4
 Concen: 47.520 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

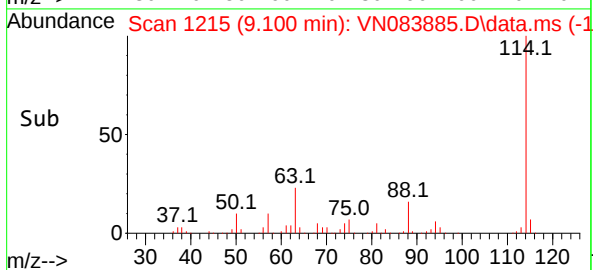
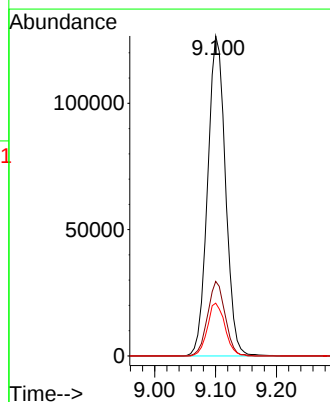
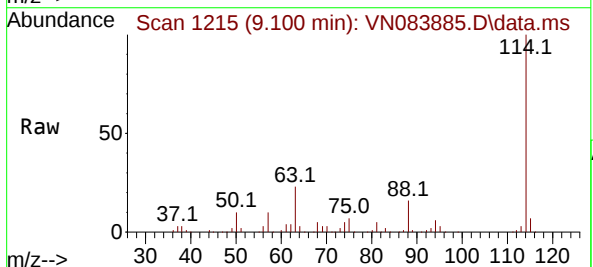
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20240909RE

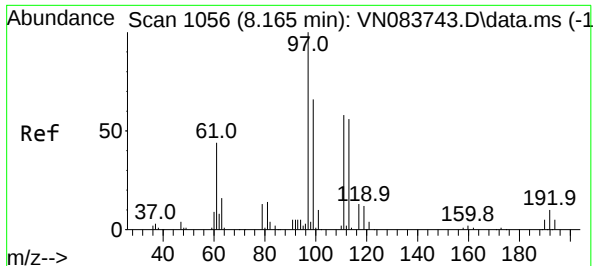
Tgt Ion: 65 Resp: 109368
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

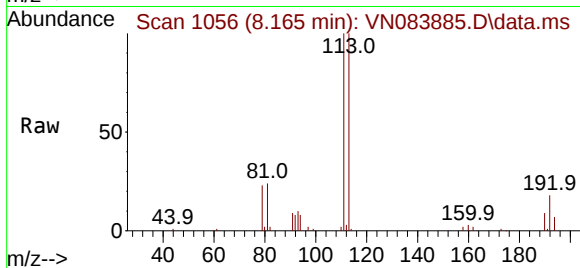
Tgt Ion: 114 Resp: 257997
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.4
 88 16.5 0.0 32.6



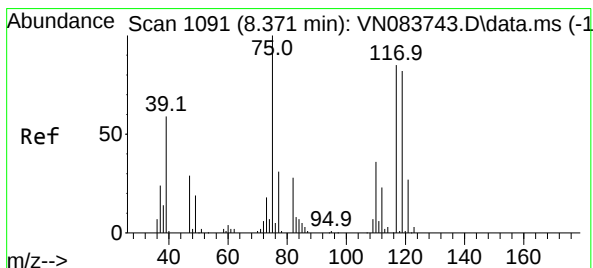
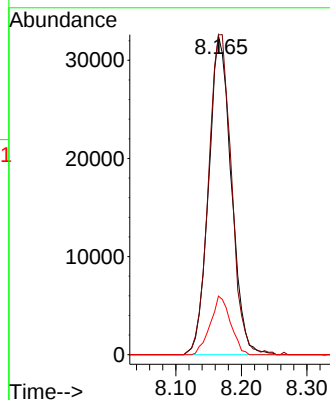
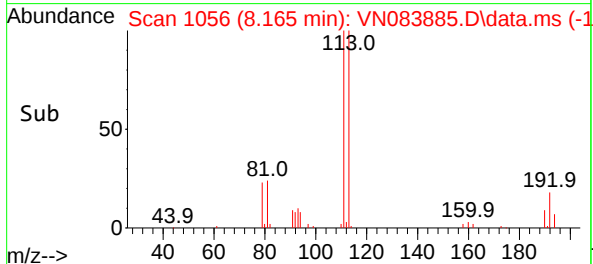


#35
Dibromofluoromethane
Concen: 47.176 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

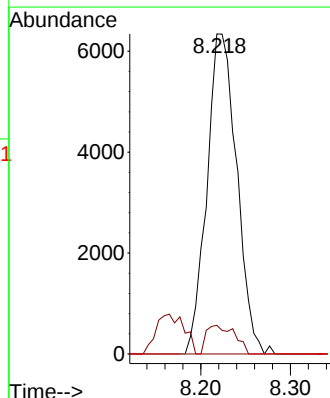
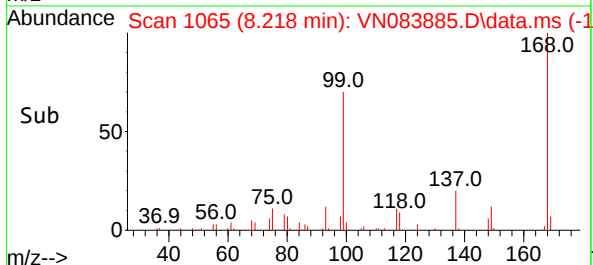
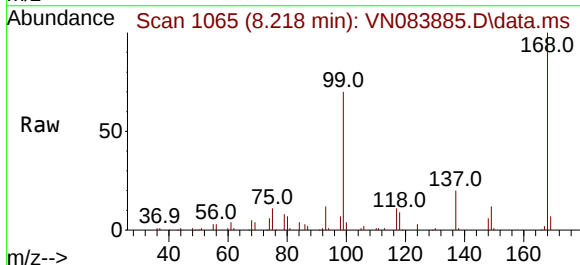


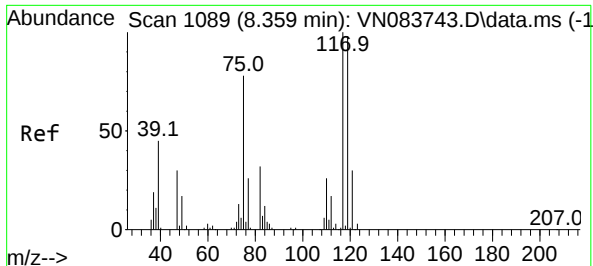
Tgt Ion:113 Resp: 77919
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 16.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.898 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion: 75 Resp: 14663
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.0 25.2 37.8#

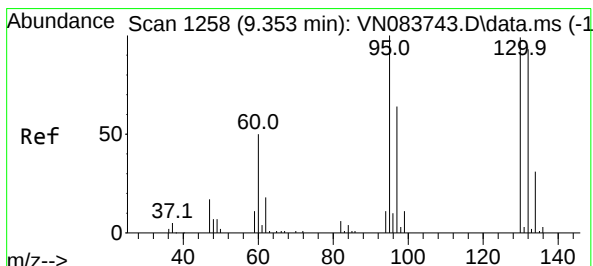
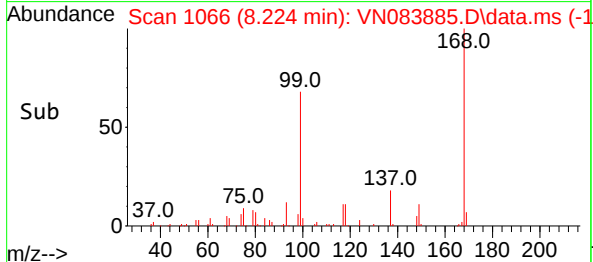
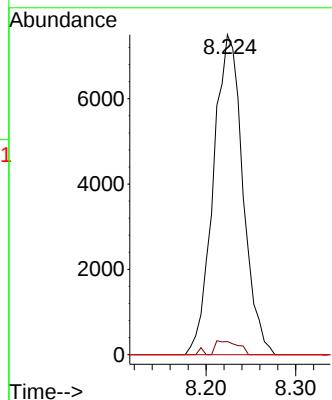
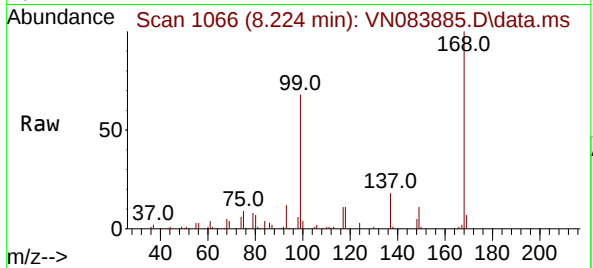




#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

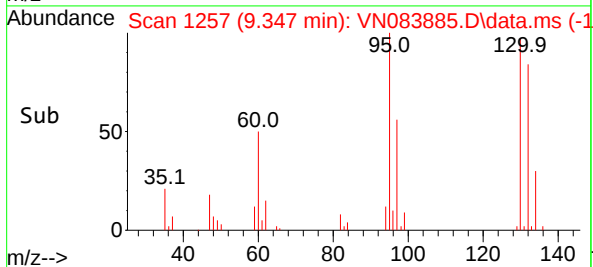
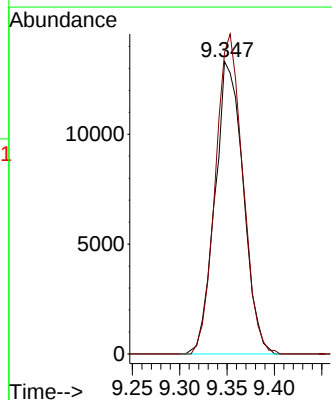
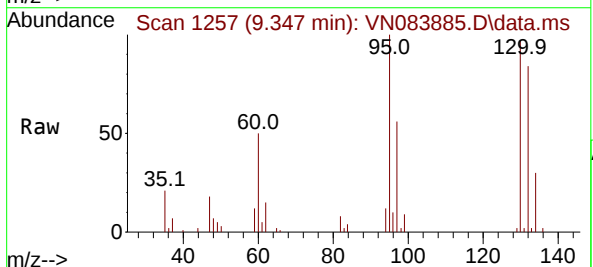
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

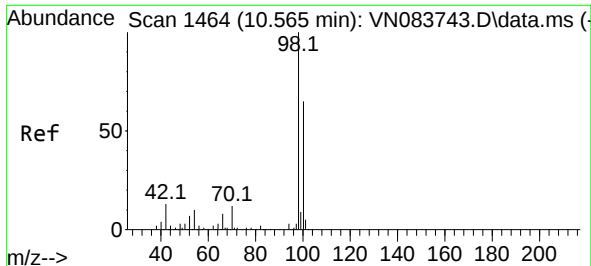
Tgt Ion:117 Resp: 17131
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 15.941 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion:130 Resp: 27622
Ion Ratio Lower Upper
130 100
95 103.0 0.0 200.4

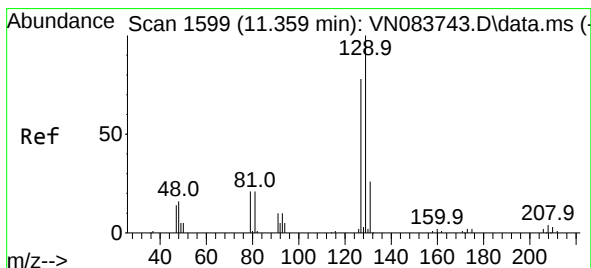
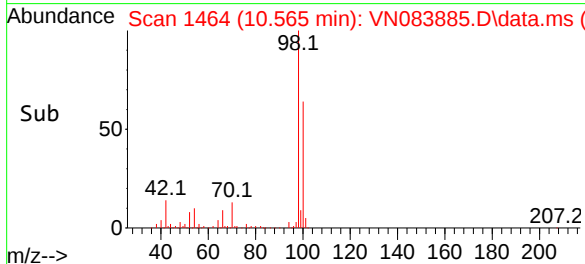
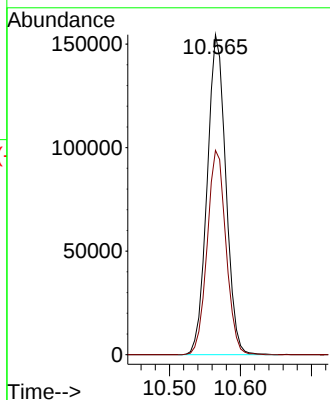
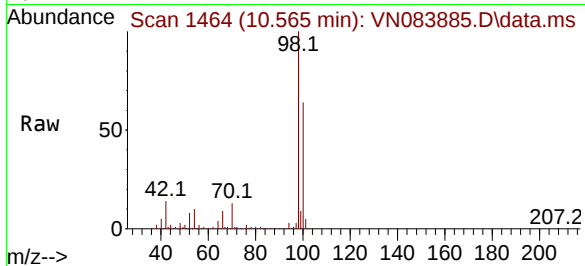




#50
Toluene-d8
Concen: 49.389 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

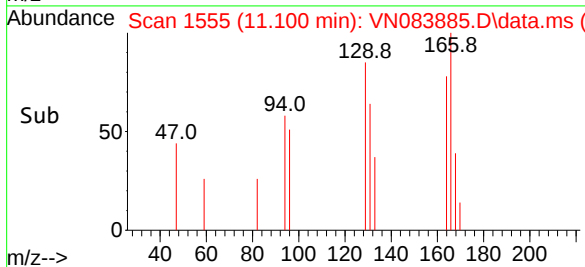
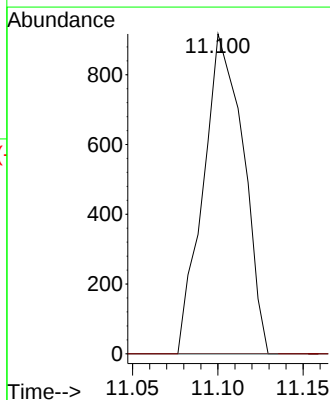
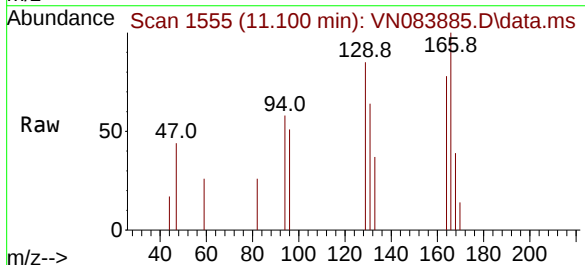
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

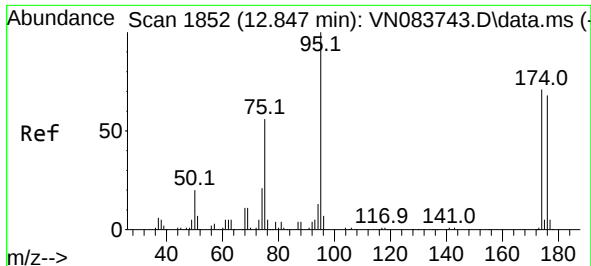
Tgt Ion: 98 Resp: 282007
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#60
Dibromochloromethane
Concen: 0.785 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion:129 Resp: 1501
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

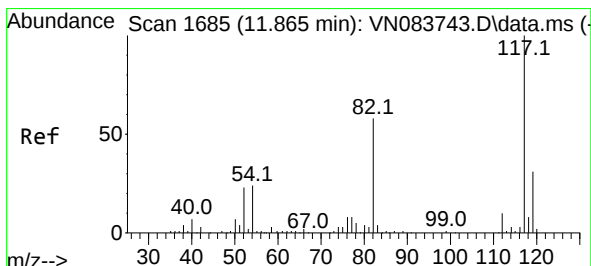
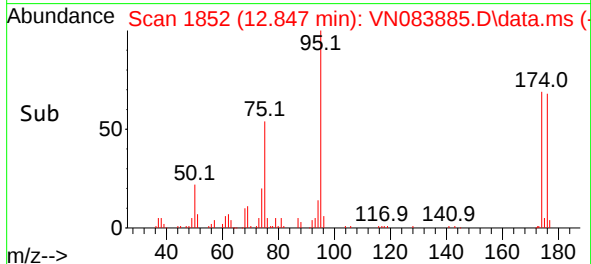
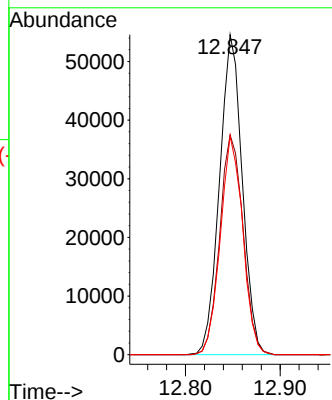
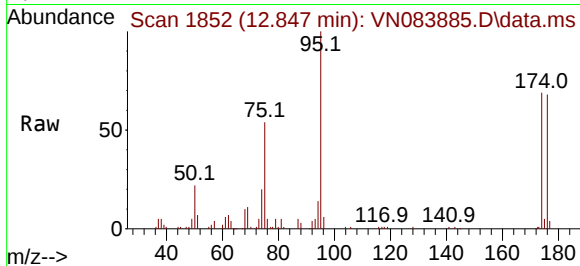




#62
4-Bromofluorobenzene
Concen: 38.647 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

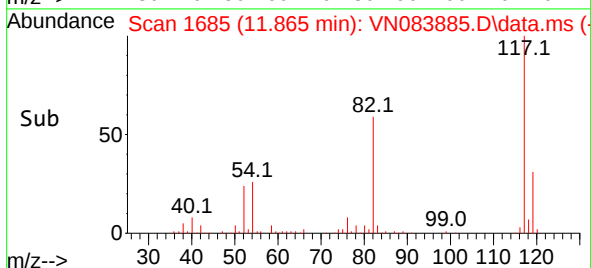
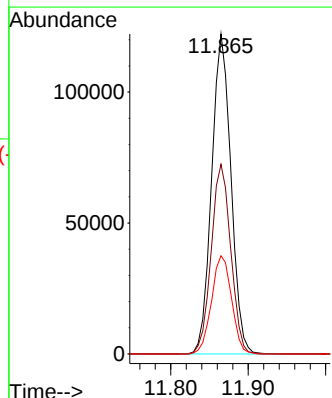
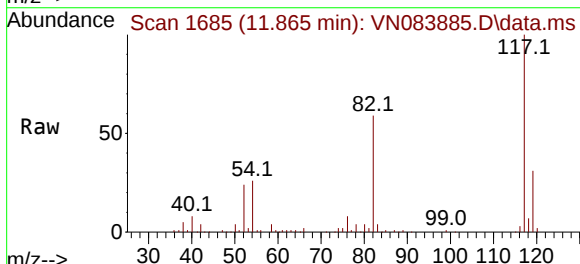
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

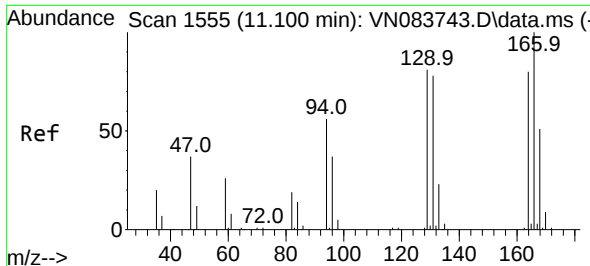
Tgt Ion: 95 Resp: 91044
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 67.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion: 117 Resp: 211657
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.0
119 30.7 26.3 39.5

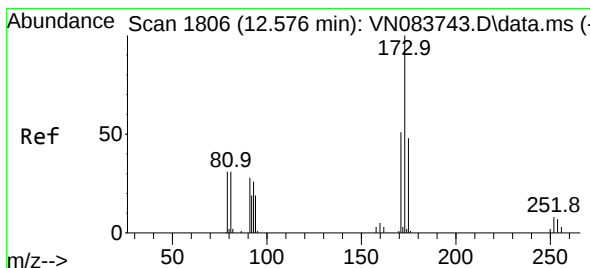
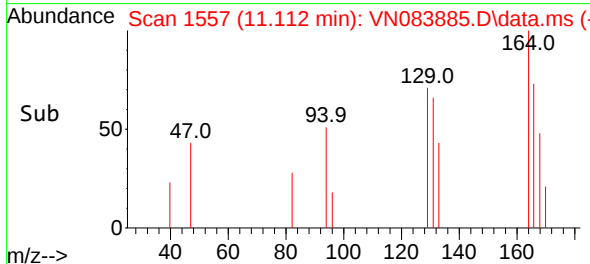
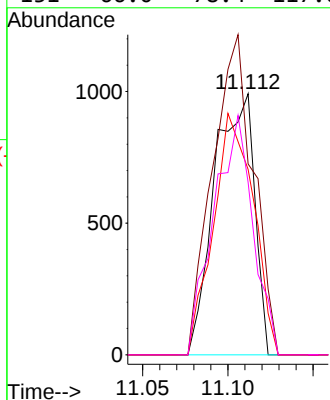
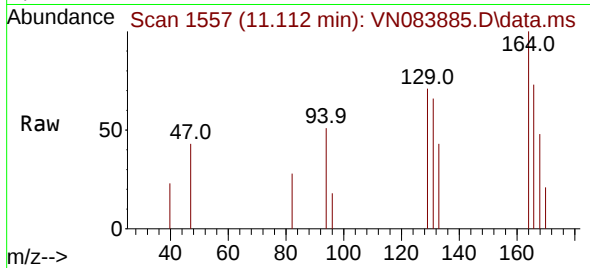




#64
Tetrachloroethene
Concen: 1.146 ug/l
RT: 11.112 min Scan# 1111
Delta R.T. 0.012 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

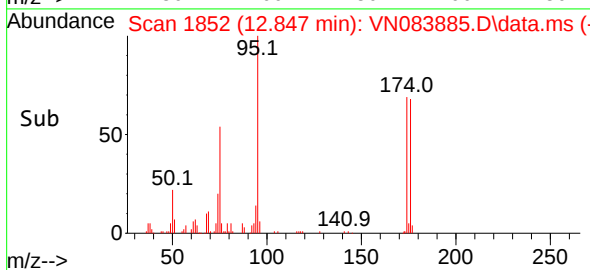
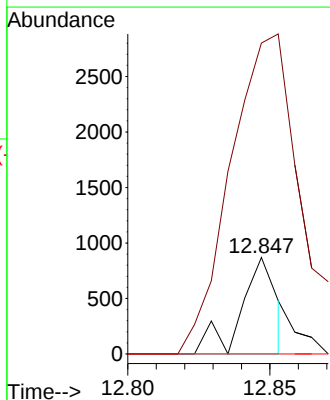
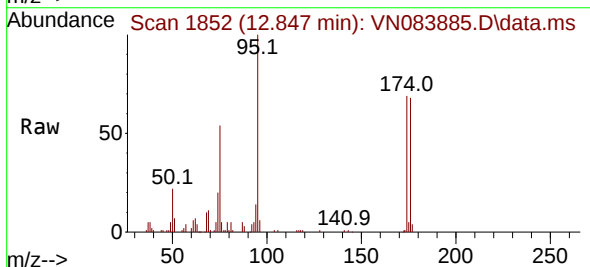
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

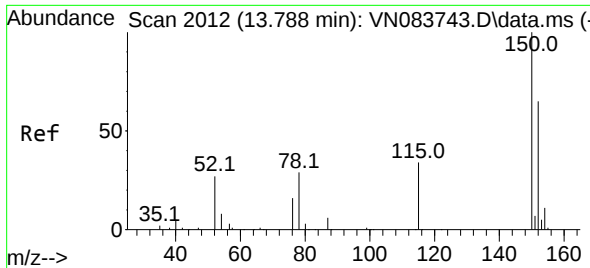
Tgt Ion:164 Resp: 1613
Ion Ratio Lower Upper
164 100
166 73.1 103.7 155.5#
129 71.0 79.9 119.9#
131 66.0 78.4 117.6#



#71
Bromoform
Concen: 0.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion:173 Resp: 759
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

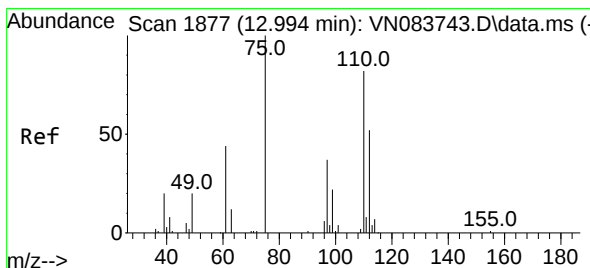
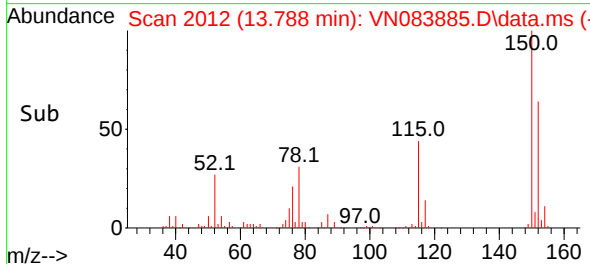
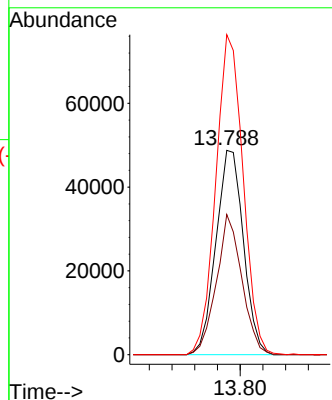
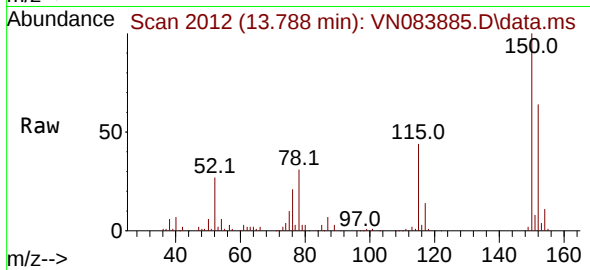




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

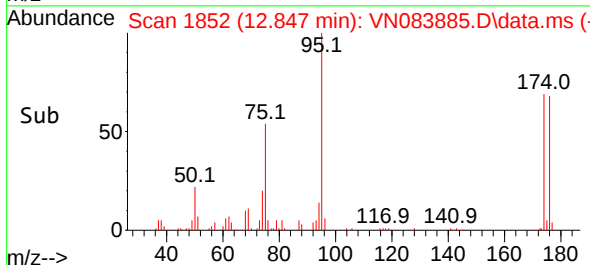
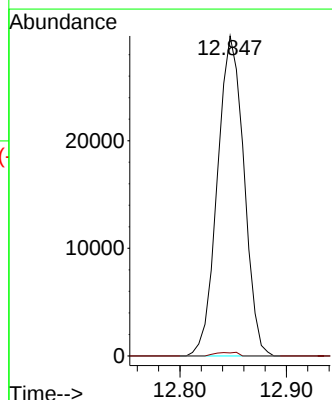
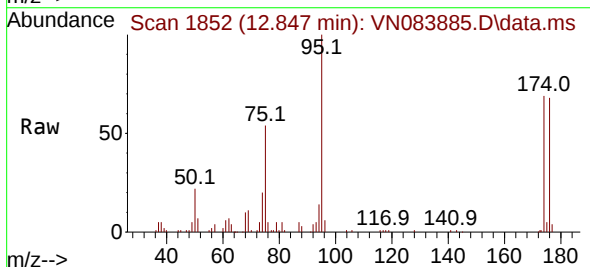
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

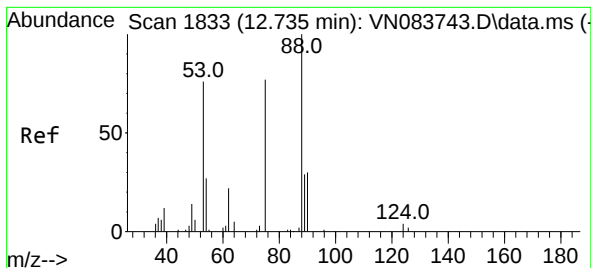
Tgt Ion:152 Resp: 82026
Ion Ratio Lower Upper
152 100
115 63.4 32.2 96.6
150 155.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 31.097 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion: 75 Resp: 51469
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#

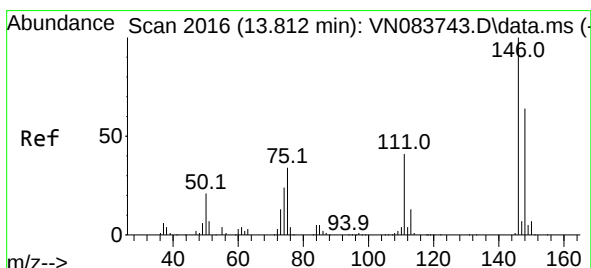
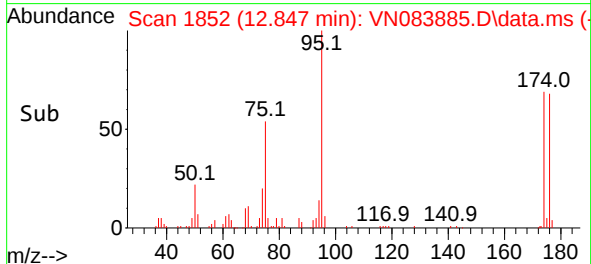
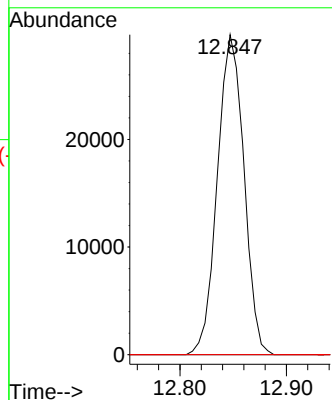
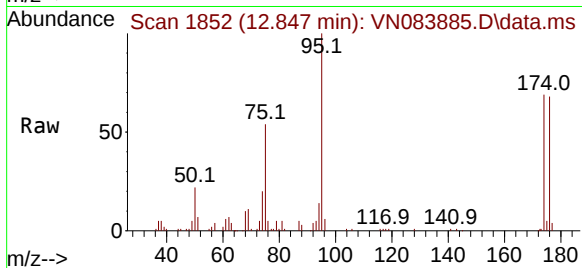




#81
trans-1,4-Dichloro-2-butene
Concen: 81.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

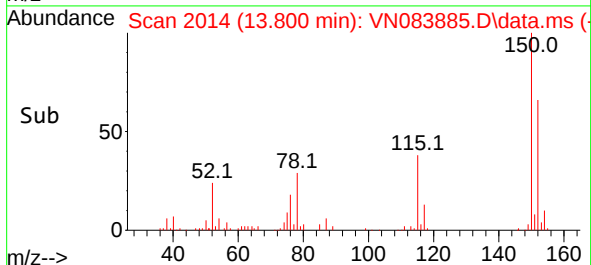
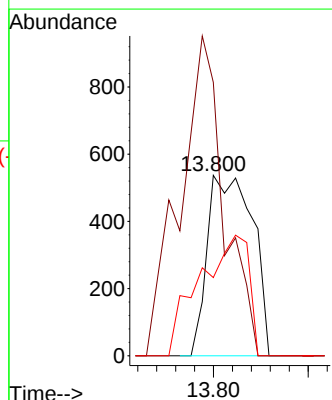
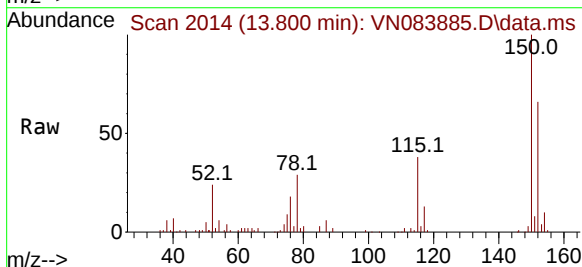
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

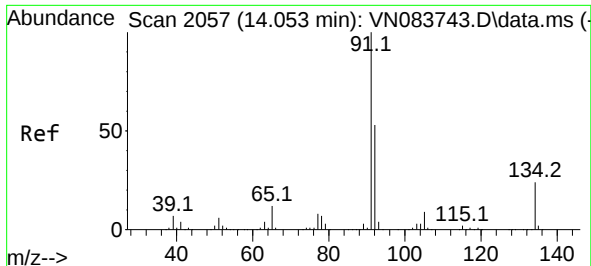
Tgt Ion: 75 Resp: 51469
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 0.306 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.012 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion:146 Resp: 892
Ion Ratio Lower Upper
146 100
111 172.4 21.3 64.0#
148 73.1 32.0 96.2

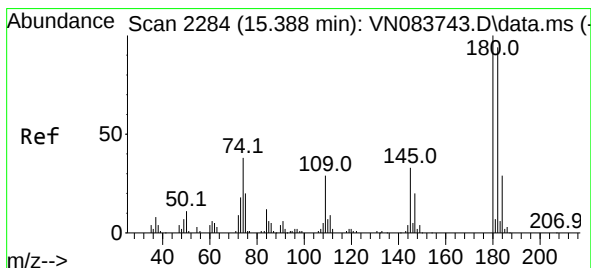
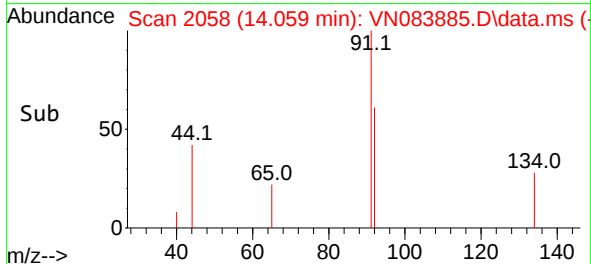
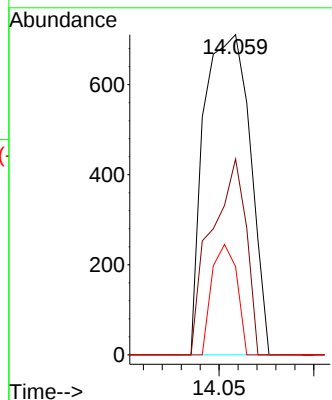
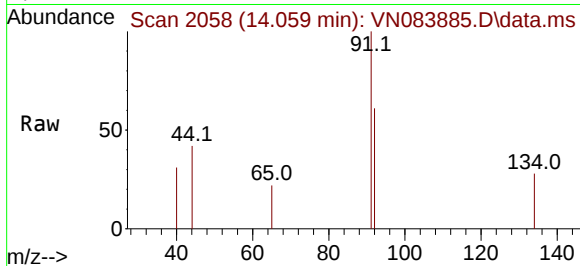




#89
n-Butylbenzene
Concen: 0.257 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

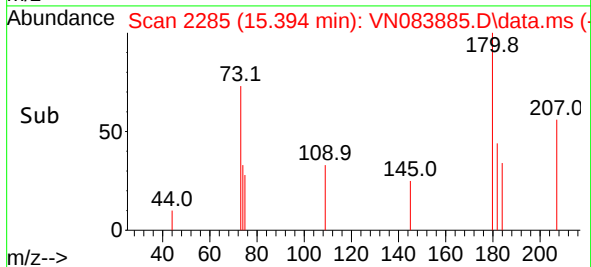
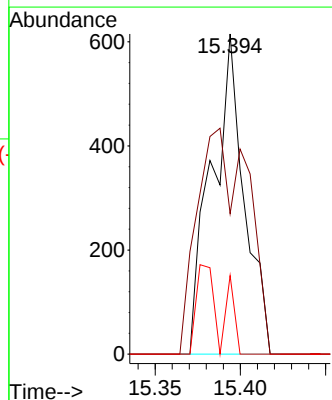
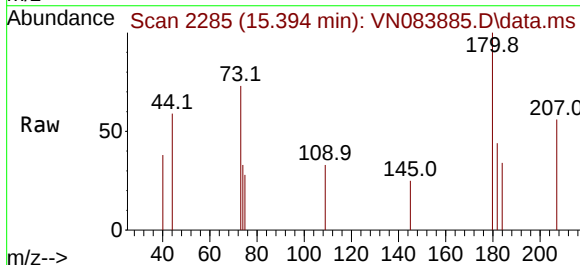
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20240909RE

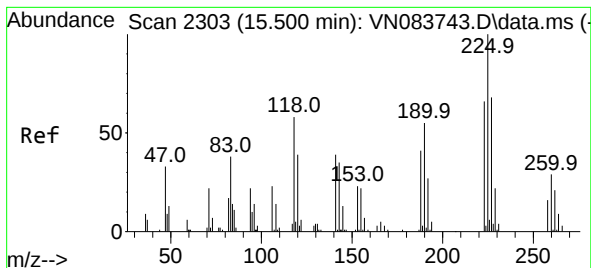
Tgt Ion:	91	Resp:	1202
Ion	Ratio	Lower	Upper
91	100		
92	46.4	26.7	80.1
134	18.7	12.2	36.4



#93
1,2,4-Trichlorobenzene
Concen: 0.546 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN083885.D
Acq: 14 Sep 2024 13:08

Tgt Ion:	180	Resp:	815
Ion	Ratio	Lower	Upper
180	100		
182	109.9	48.1	144.3
145	21.2	16.9	50.7





#94

Hexachlorobutadiene

Concen: 0.628 ug/l

RT: 15.500 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083885.D

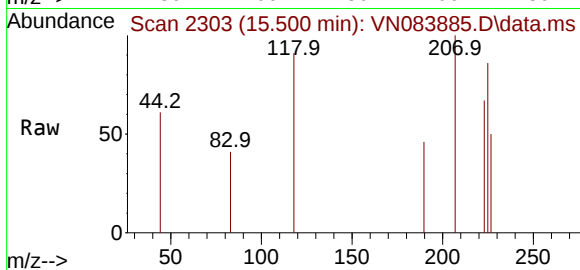
Acq: 14 Sep 2024 13:08

Instrument :

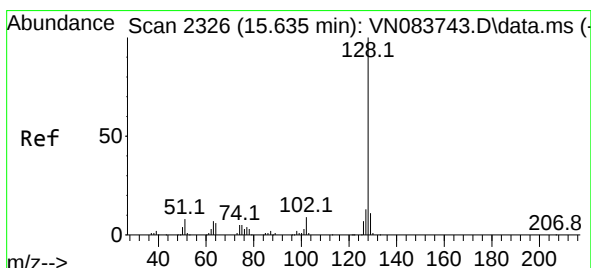
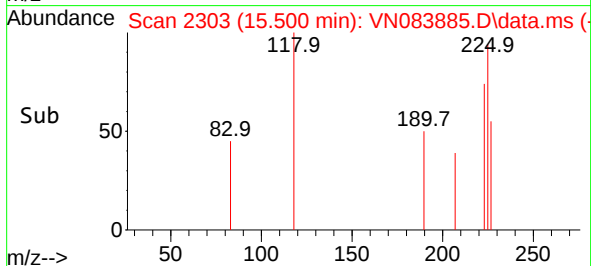
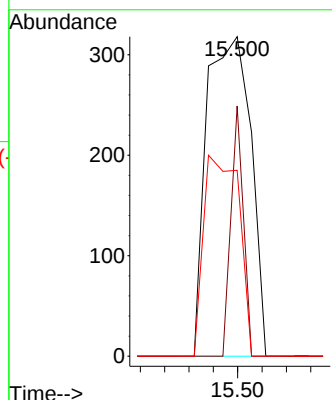
MSVOA_N

ClientSampleId :

MW203D-20240909RE



Tgt Ion	Ratio	Lower	Upper
225	100		
223	22.1	31.9	95.5#
227	50.5	32.0	96.2



#95

Naphthalene

Concen: 0.592 ug/l

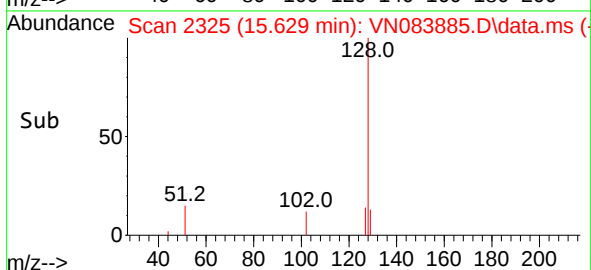
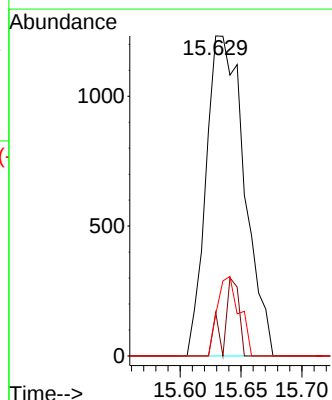
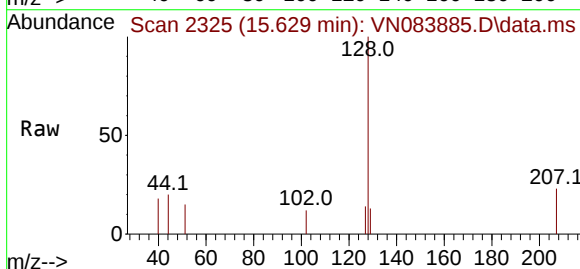
RT: 15.629 min Scan# 2325

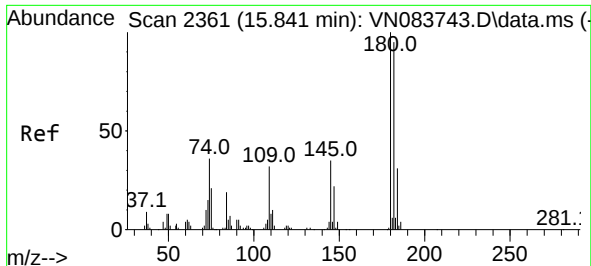
Delta R.T. -0.006 min

Lab File: VN083885.D

Acq: 14 Sep 2024 13:08

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.2	15.2#
129	14.3	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.574 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN083885.D
 Acq: 14 Sep 2024 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20240909RE

Tgt Ion:	180	Resp:	819
Ion	Ratio	Lower	Upper
180	100		
182	112.2	47.1	141.4
145	42.1	17.8	53.5

