

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068522.D
 Acq On : 17 Sep 2021 16:09
 Operator : JC/MD
 Sample : M3781-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW180D1-20210915

Quant Time: Sep 20 03:58:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

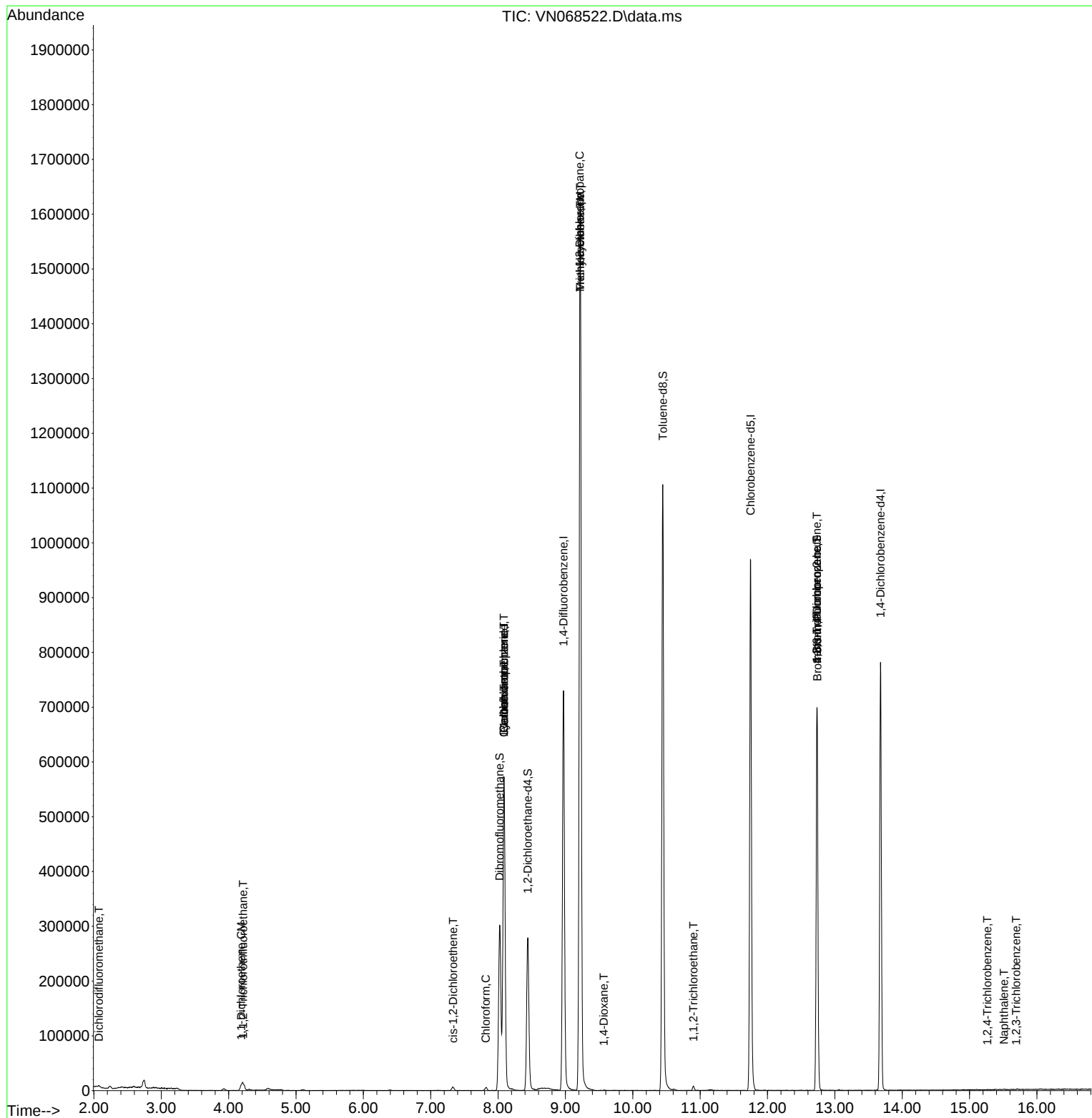
Internal Standards						
1) Pentafluorobenzene	8.088	168	473434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	718380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	625336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	230812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241105	55.518	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 111.040%		
35) Dibromofluoromethane	8.024	113	224288	51.766	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 103.540%		
50) Toluene-d8	10.446	98	846836	47.822	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 95.640%		
62) 4-Bromofluorobenzene	12.734	95	237567	41.342	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 82.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.075	85	2454	0.635	ug/l	95
3) Chloromethane	2.301	50	938	Below Cal		91
5) Bromomethane	2.829	94	86	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	4.213	101	4664	1.148	ug/l #	81
12) 1,1-Dichloroethene	4.189	96	4175	1.122	ug/l	95
16) Acetone	4.301	43	3824	Below Cal	#	83
18) Methyl Acetate	4.859	43	336	Below Cal	#	45
20) Methylene Chloride	5.093	84	857	Below Cal	#	47
27) cis-1,2-Dichloroethene	7.332	96	4404	0.883	ug/l	84
30) Chloroform	7.817	83	5452	0.665	ug/l #	79
31) Cyclohexane	8.086	56	8039	1.222	ug/l #	38
36) 1,1-Dichloropropene	8.086	75	30171	5.038	ug/l #	47
38) Carbon Tetrachloride	8.088	117	44470	6.198	ug/l #	17
39) Methylcyclohexane	9.217	83	7590	1.002	ug/l #	1
44) Trichloroethene	9.217	130	641494	114.285	ug/l	96
45) 1,2-Dichloropropane	9.212	63	1724	0.407	ug/l #	1
49) 1,4-Dioxane	9.571	88	601	7.805	ug/l #	59
55) 1,1,2-Trichloroethane	10.899	97	2790	0.598	ug/l	94
71) Bromoform	12.739	173	2080	2.941	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	122388	38.302	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	122388	117.514	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.265	180	51	2.970	ug/l #	1
95) Naphthalene	15.509	128	1314	3.630	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	162	3.012	ug/l #	24

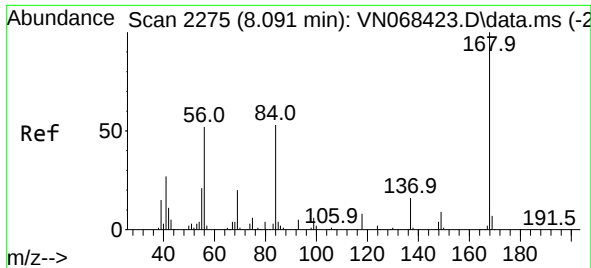
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

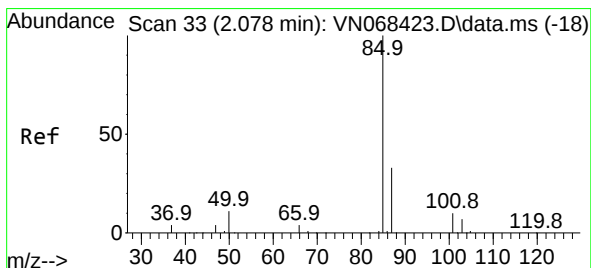
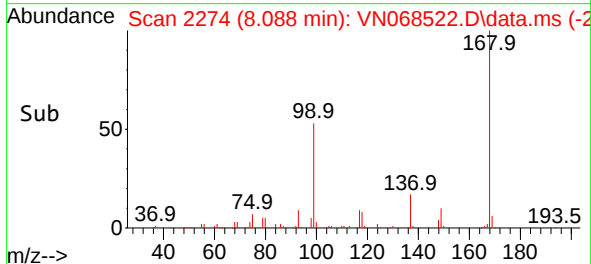
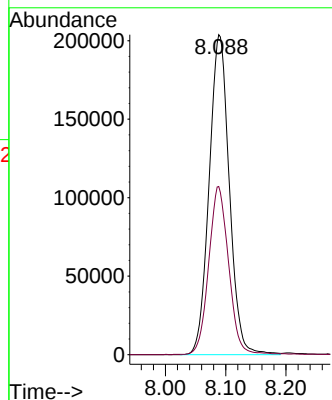
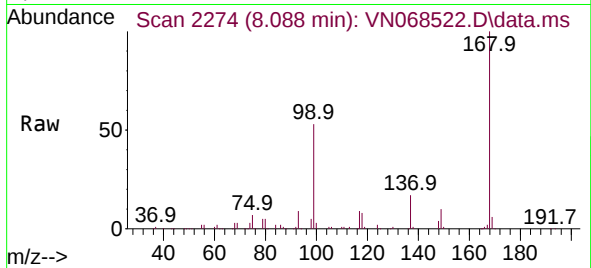




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

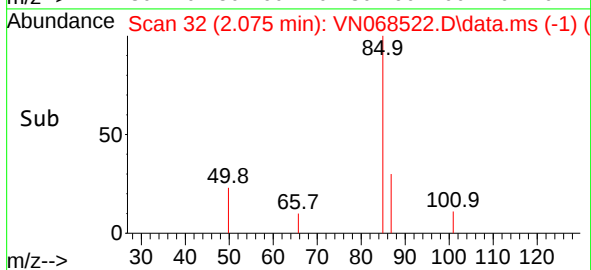
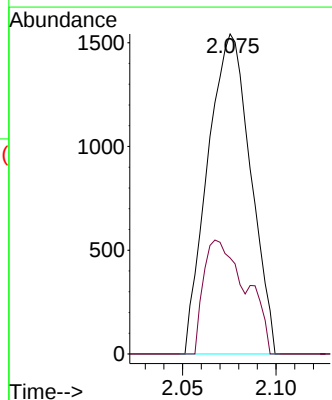
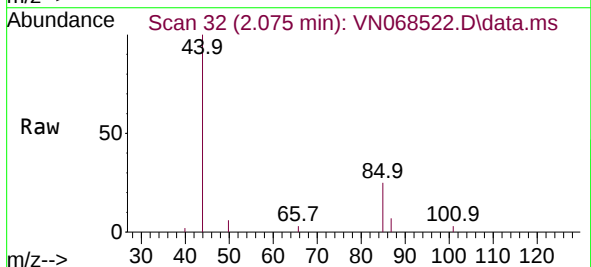
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

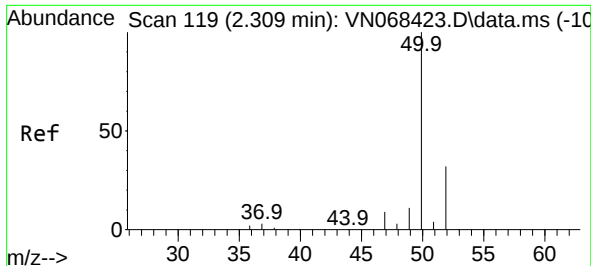
Tgt Ion:168 Resp: 473434
Ion Ratio Lower Upper
168 100
99 52.5 38.2 57.4



#2
Dichlorodifluoromethane
Concen: 0.635 ug/l
RT: 2.075 min Scan# 32
Delta R.T. -0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 85 Resp: 2454
Ion Ratio Lower Upper
85 100
87 30.0 16.5 49.5





#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.008 min

Lab File: VN068522.D

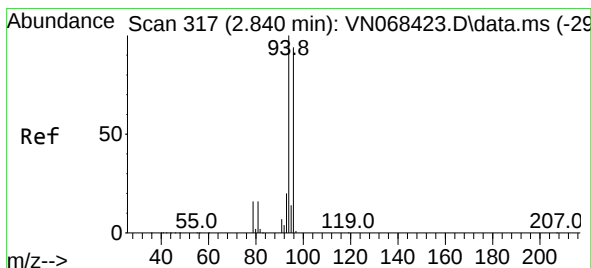
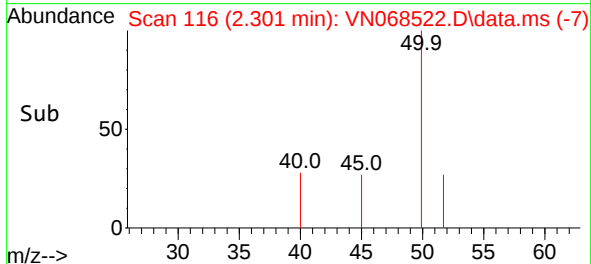
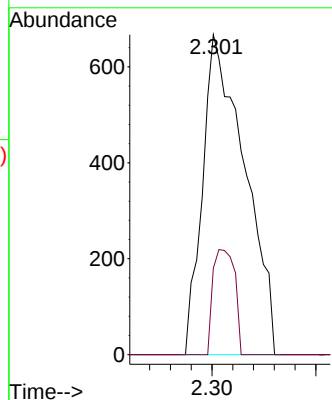
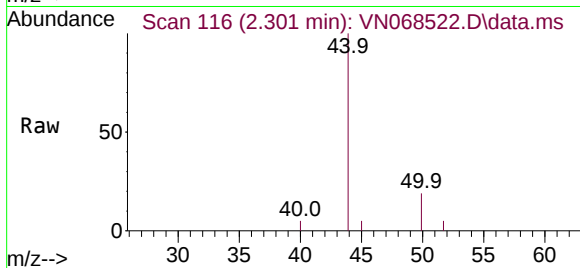
Acq: 17 Sep 2021 16:09

Tgt Ion: 50 Resp: 938

Ion Ratio Lower Upper

50 100

52 27.0 25.8 38.6



#5

Bromomethane

Concen: Below Cal

RT: 2.829 min Scan# 313

Delta R.T. -0.011 min

Lab File: VN068522.D

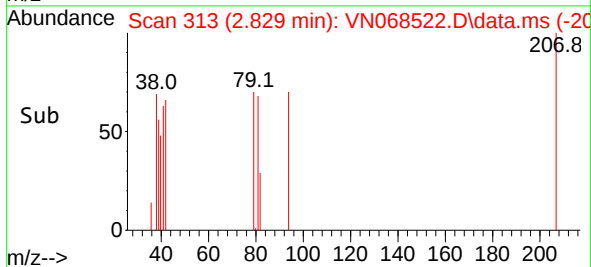
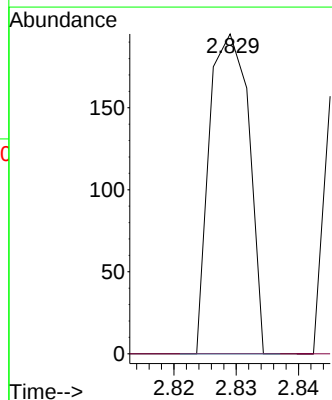
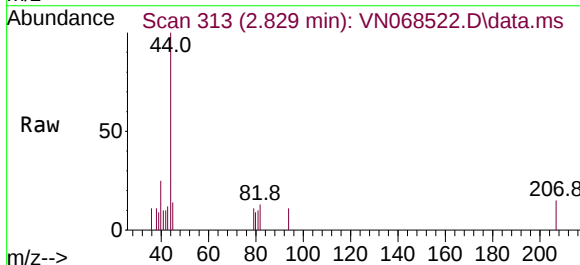
Acq: 17 Sep 2021 16:09

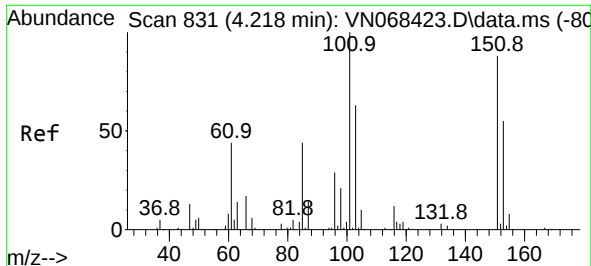
Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.0#

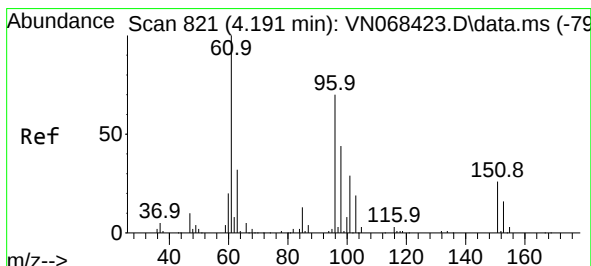
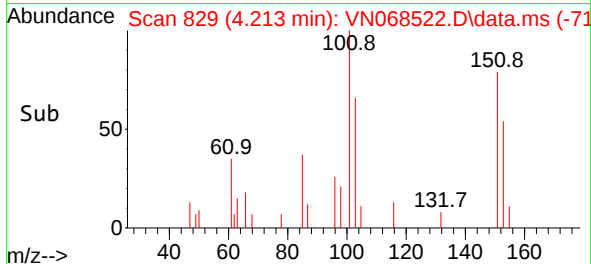
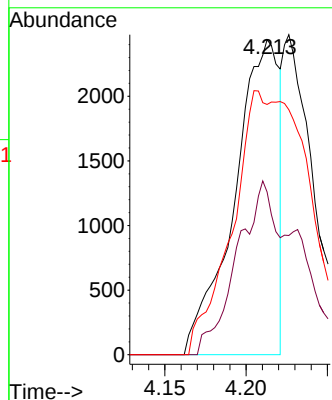
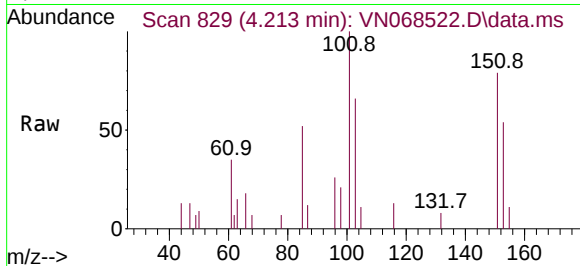




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.148 ug/l
RT: 4.213 min Scan# 829
Delta R.T. -0.005 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

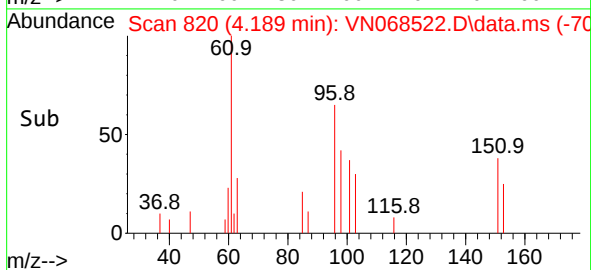
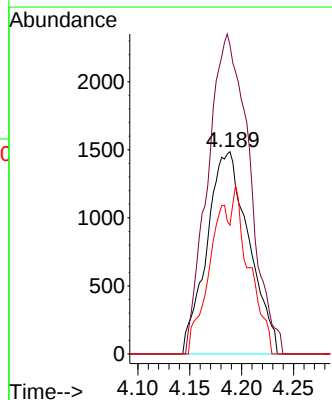
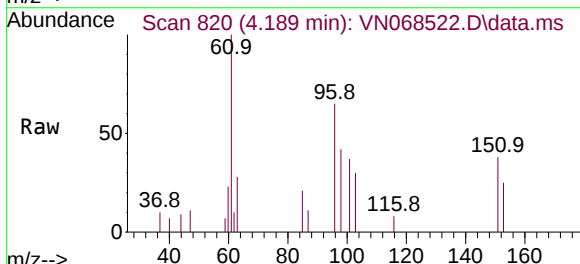
Instrument :
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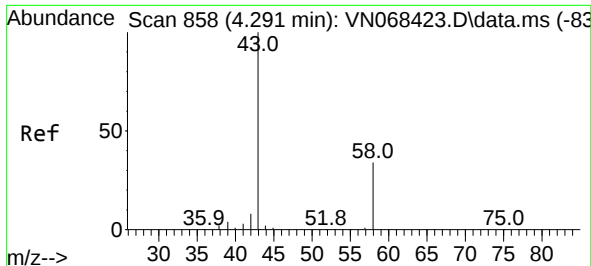
Tgt Ion:101 Resp: 4664
Ion Ratio Lower Upper
101 100
85 48.1 35.7 53.5
151 66.0 71.6 107.4#



#12
1,1-Dichloroethene
Concen: 1.122 ug/l
RT: 4.189 min Scan# 820
Delta R.T. -0.002 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 96 Resp: 4175
Ion Ratio Lower Upper
96 100
61 152.8 114.7 172.1
98 63.7 50.9 76.3

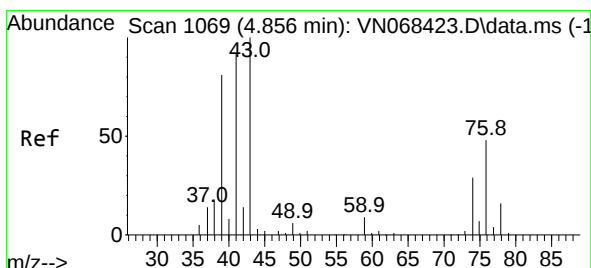
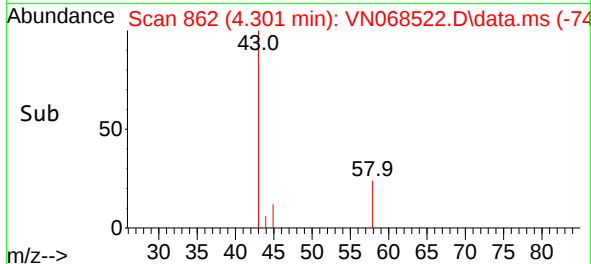
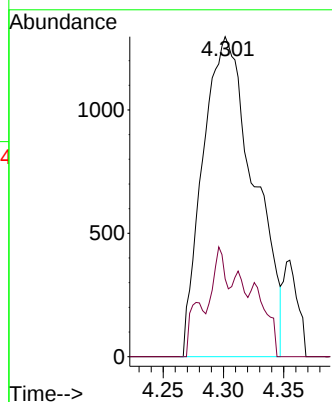
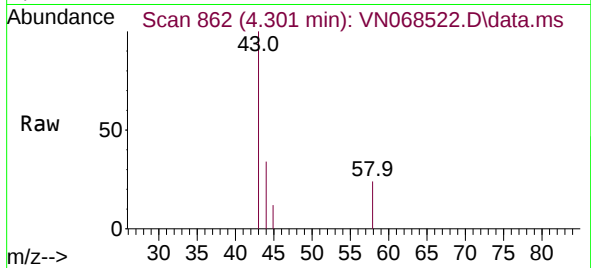




#16
Acetone
Concen: Below Cal
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

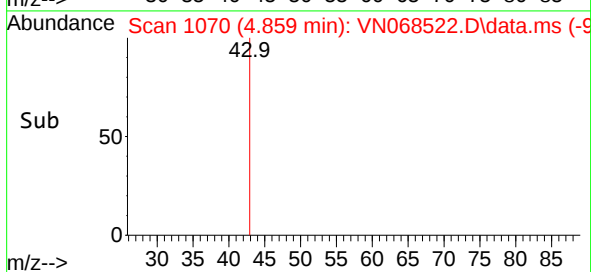
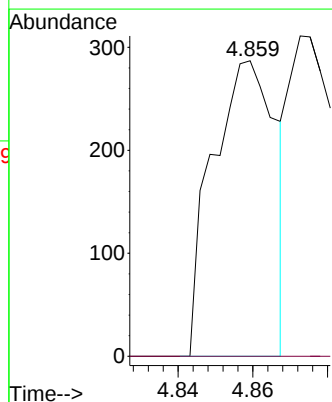
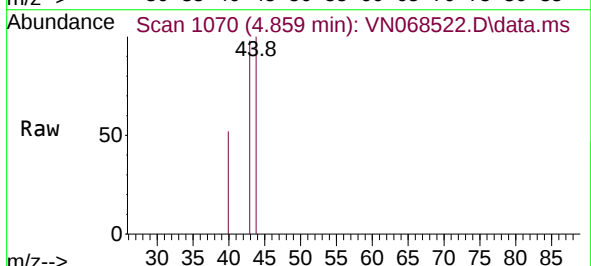
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

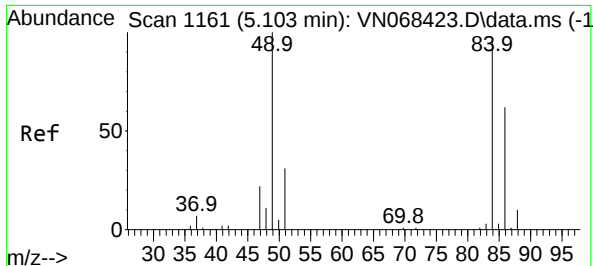
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
58 24.3 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

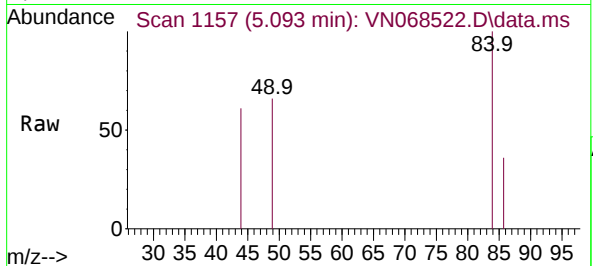
Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





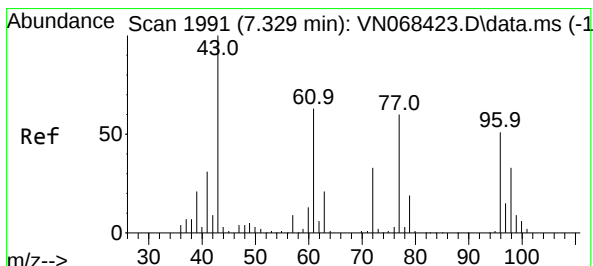
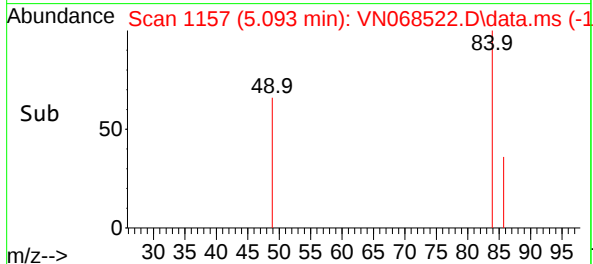
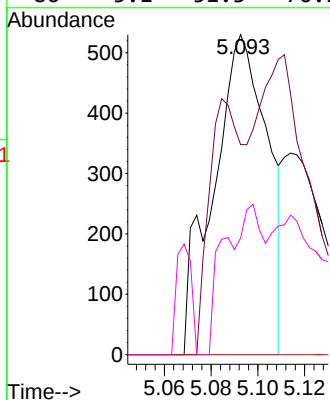
#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.010 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915



Tgt Ion: 84 Resp: 857

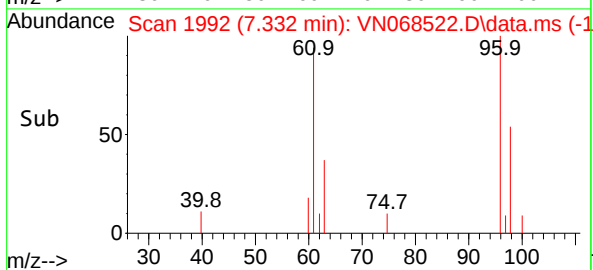
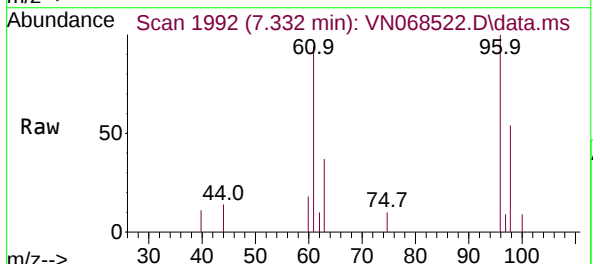
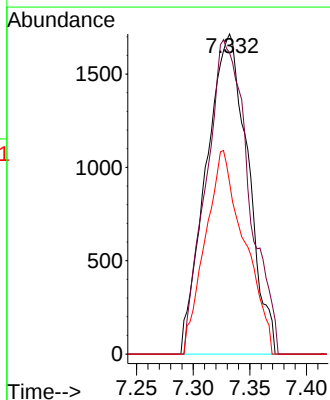
Ion	Ratio	Lower	Upper
84	100		
49	65.7	83.0	124.6#
51	0.0	25.4	38.0#
86	5.1	51.3	76.9#

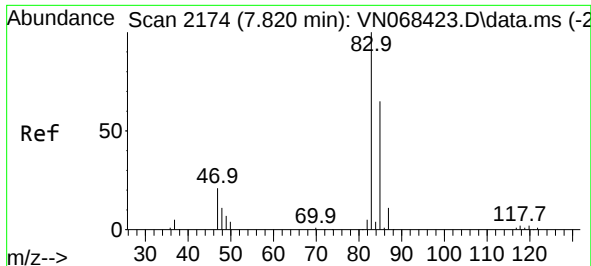


#27
cis-1,2-Dichloroethene
Concen: 0.883 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. 0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 96 Resp: 4404

Ion	Ratio	Lower	Upper
96	100		
61	100.1	0.0	246.4
98	59.4	0.0	130.4





#30

Chloroform

Concen: 0.665 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN068522.D

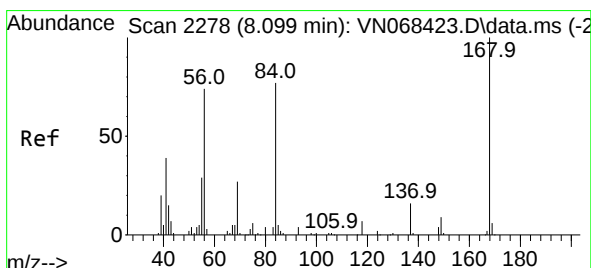
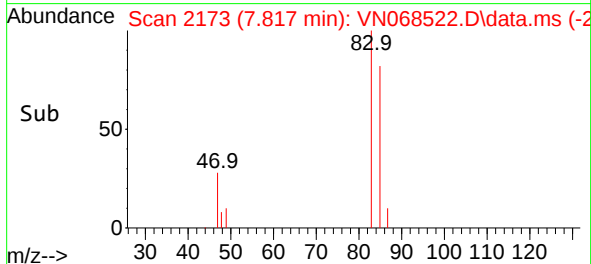
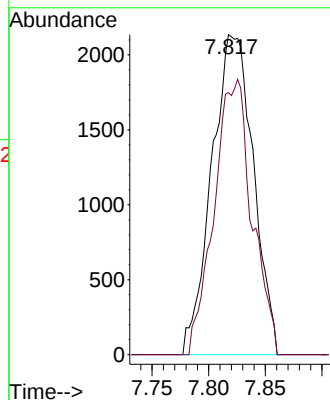
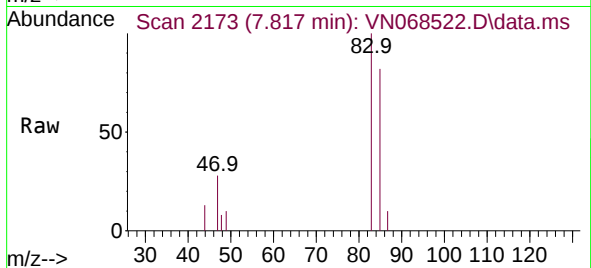
Acq: 17 Sep 2021 16:09

Tgt Ion: 83 Resp: 5452

Ion Ratio Lower Upper

83 100

85 81.9 52.2 78.4#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.013 min

Lab File: VN068522.D

Acq: 17 Sep 2021 16:09

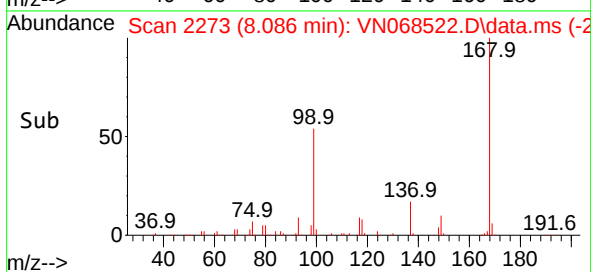
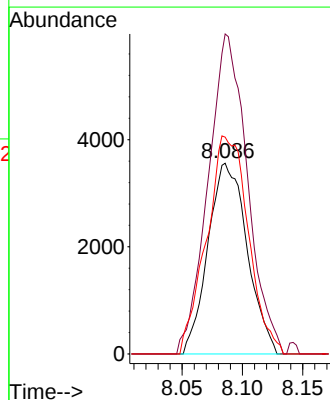
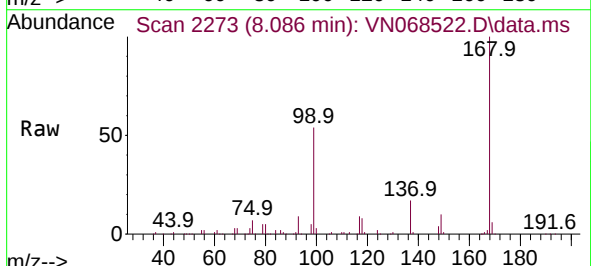
Tgt Ion: 56 Resp: 8039

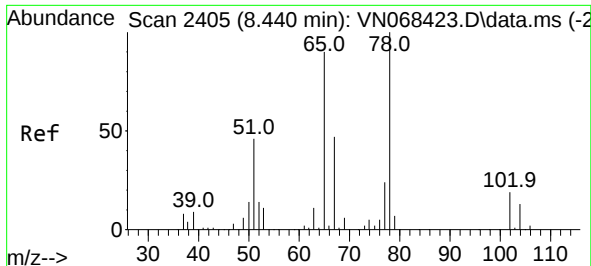
Ion Ratio Lower Upper

56 100

69 162.7 29.4 44.0#

84 113.7 83.6 125.4

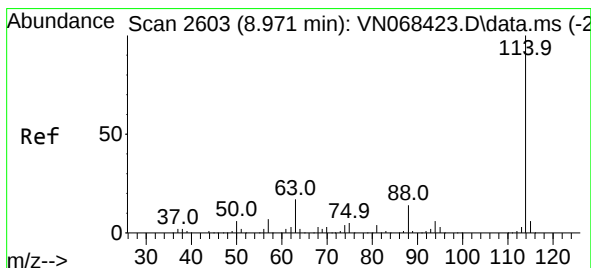
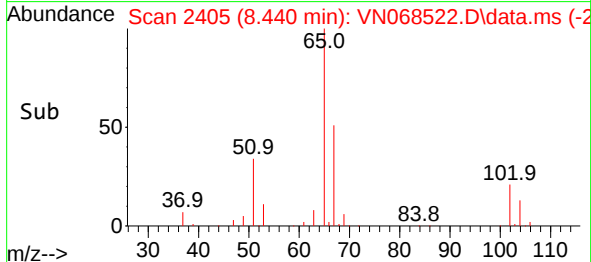
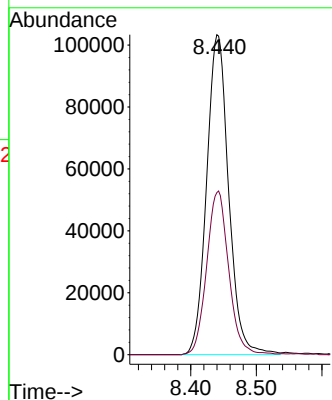
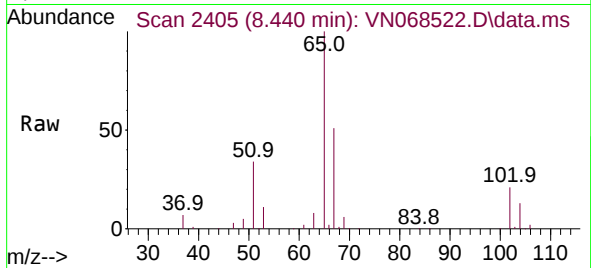




#33
1,2-Dichloroethane-d4
Concen: 55.518 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

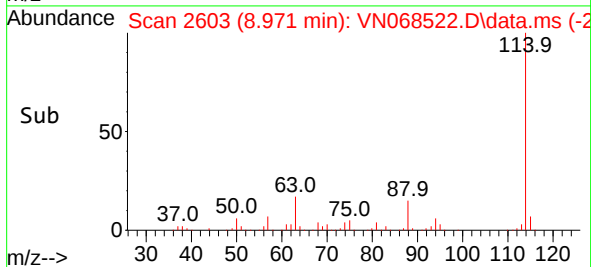
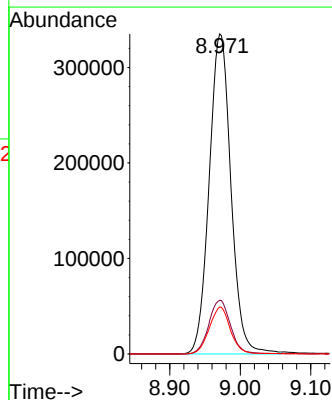
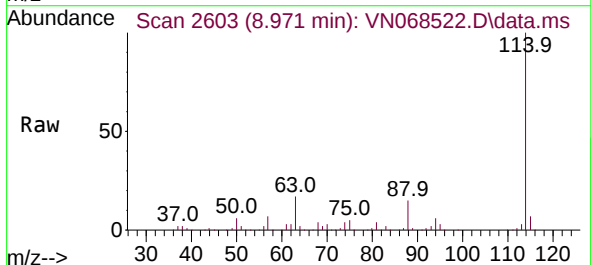
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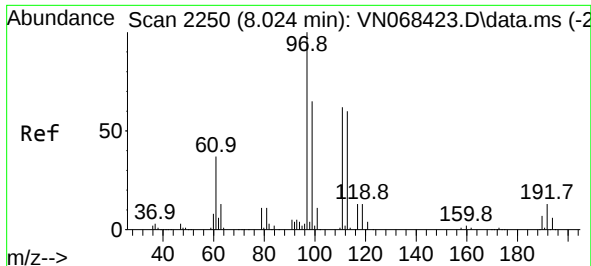
Tgt Ion: 65 Resp: 241105
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 114 Resp: 718380
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.2
88 14.7 0.0 28.4

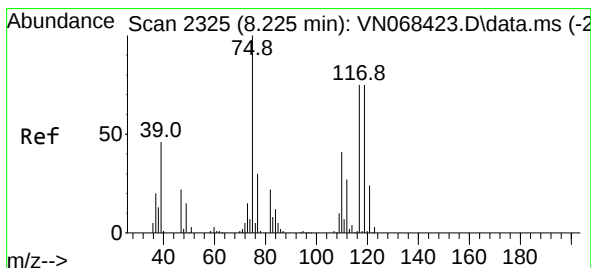
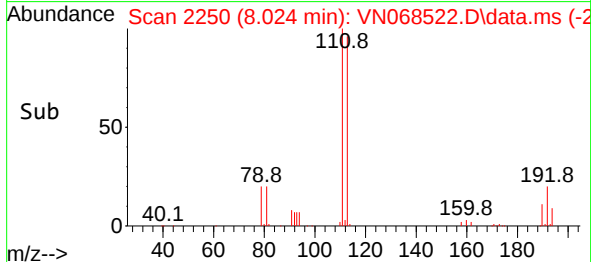
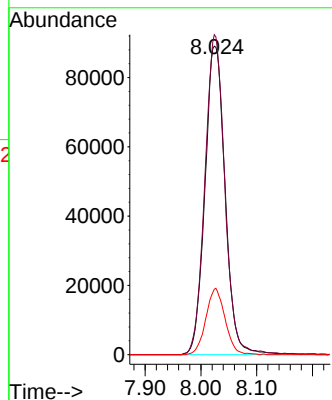
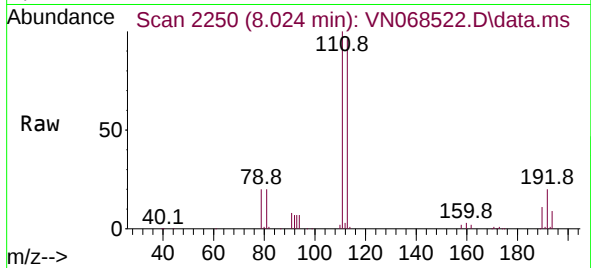




#35
Dibromofluoromethane
Concen: 51.766 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

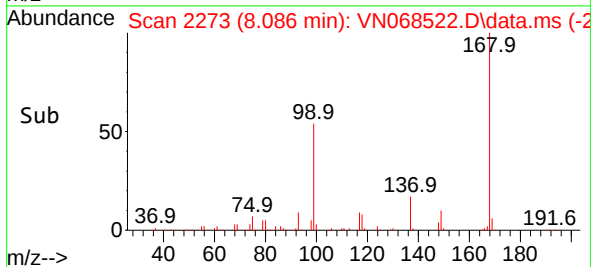
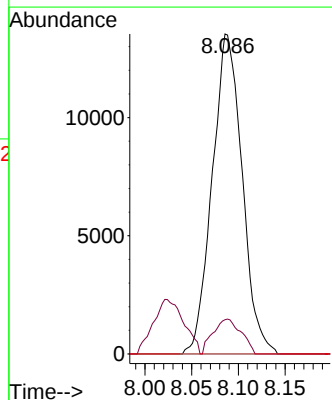
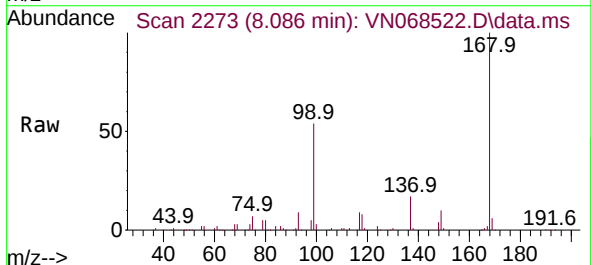
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

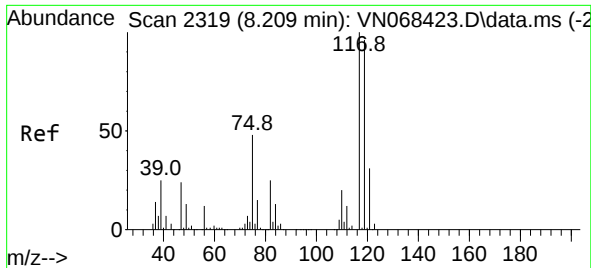
Tgt Ion:113 Resp: 224288
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 20.5 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 75 Resp: 30171
Ion Ratio Lower Upper
75 100
110 10.2 20.8 62.5#
77 0.0 25.0 37.6#

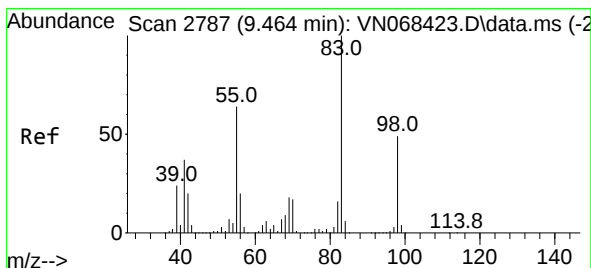
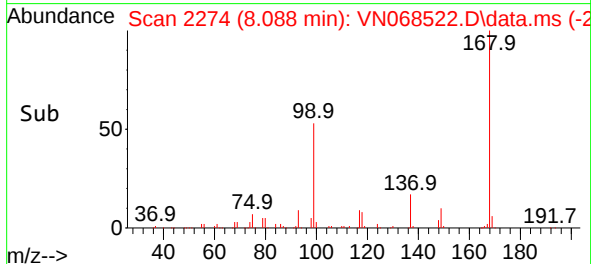
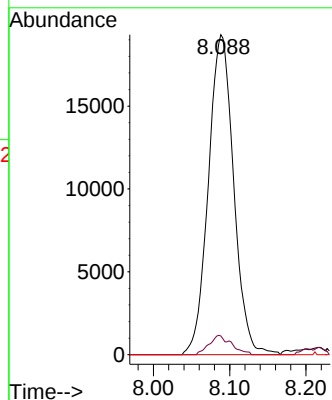
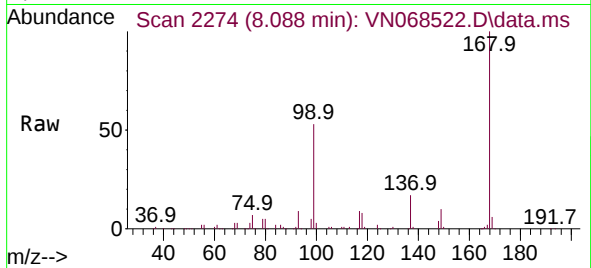




#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

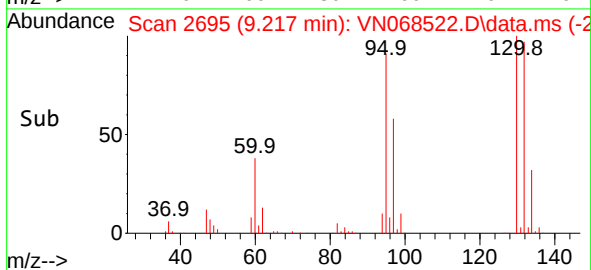
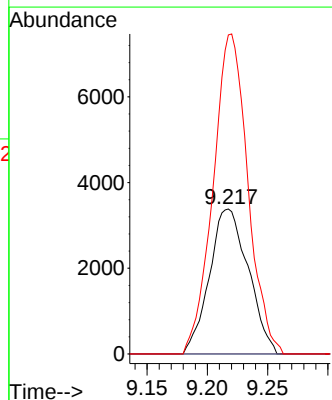
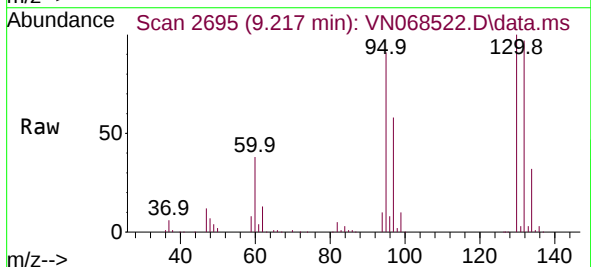
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

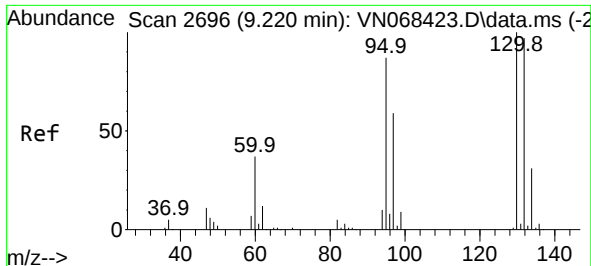
Tgt Ion:117 Resp: 44470
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.002 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.247 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 83 Resp: 7590
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 220.1 39.5 59.3#

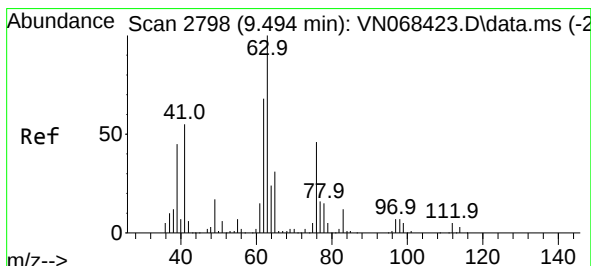
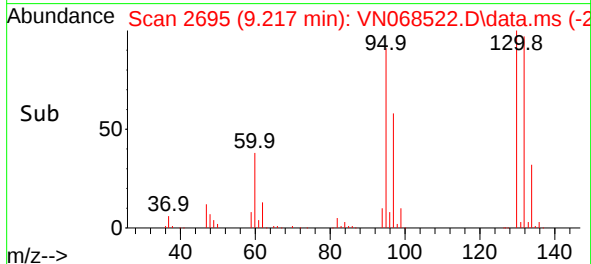
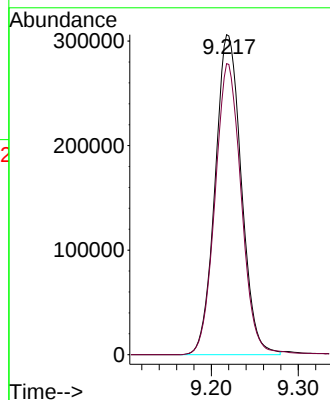
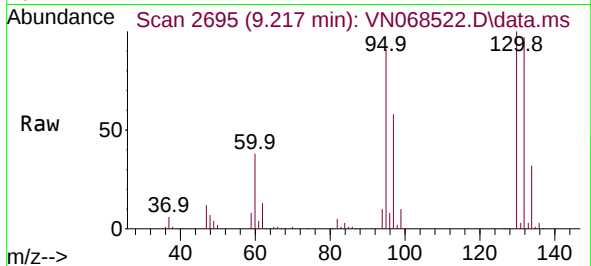




#44
Trichloroethene
Concen: 114.285 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

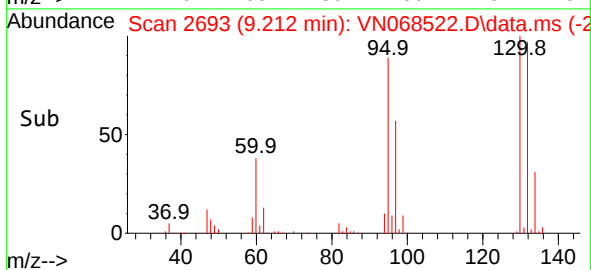
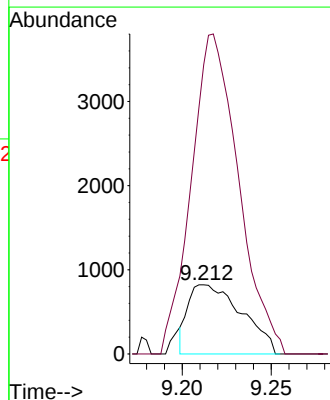
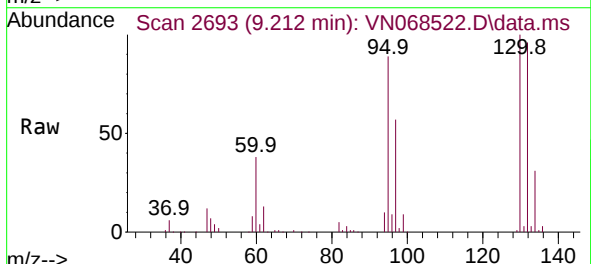
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

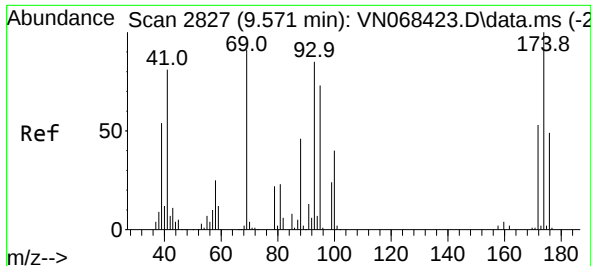
Tgt Ion:130 Resp: 641494
Ion Ratio Lower Upper
130 100
95 91.0 0.0 173.8



#45
1,2-Dichloropropane
Concen: 0.407 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.282 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 63 Resp: 1724
Ion Ratio Lower Upper
63 100
65 397.2 24.8 37.2#

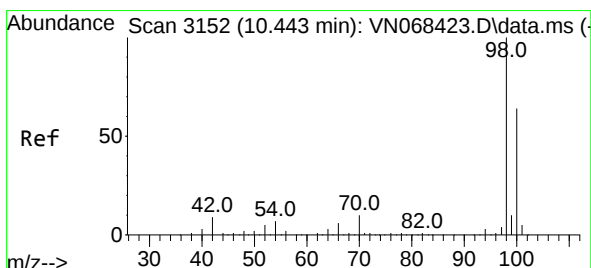
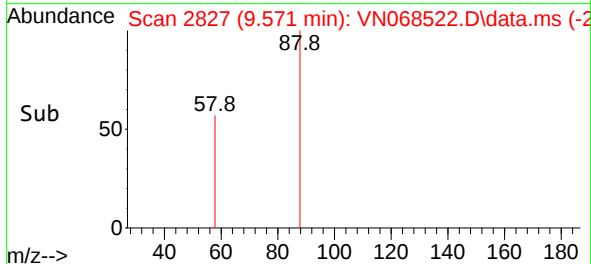
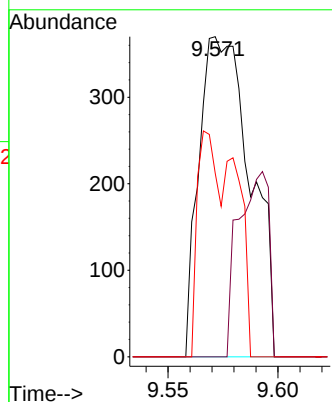
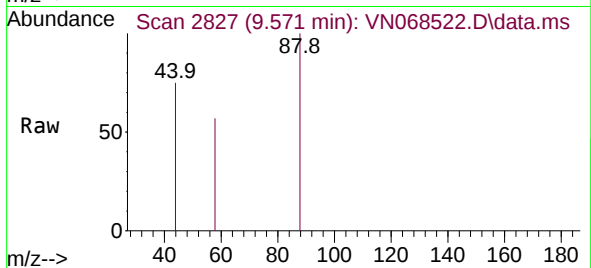




#49
1,4-Dioxane
Concen: 7.805 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

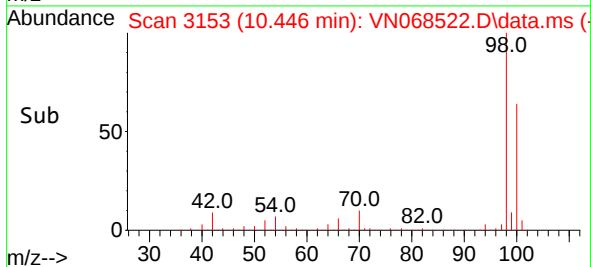
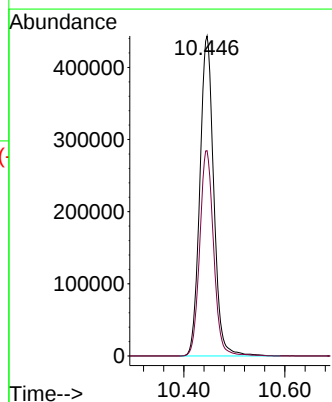
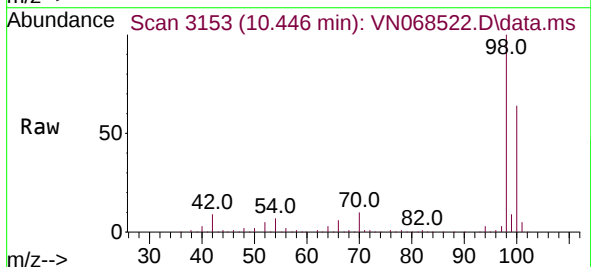
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

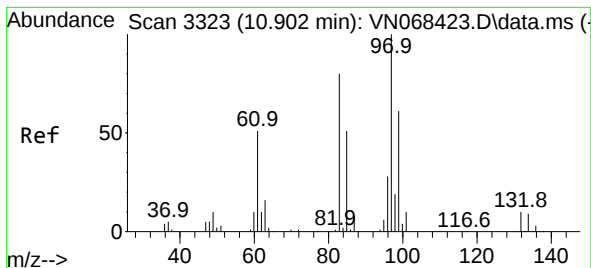
Tgt Ion: 88 Resp: 601
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 29.8 46.6 69.8#



#50
Toluene-d8
Concen: 47.822 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 98 Resp: 846836
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.6

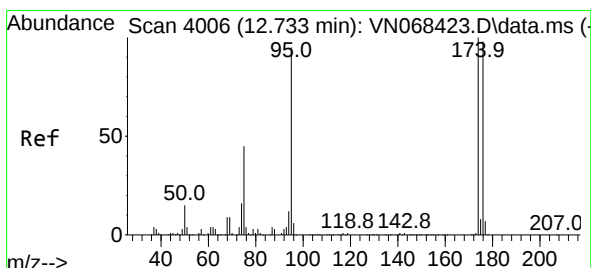
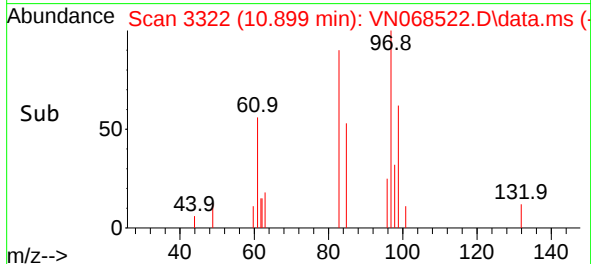
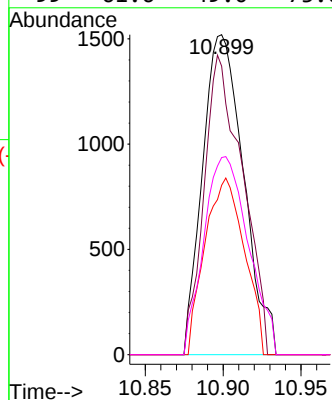
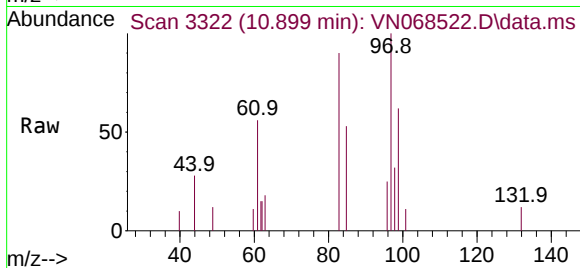




#55
1,1,2-Trichloroethane
Concen: 0.598 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. -0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

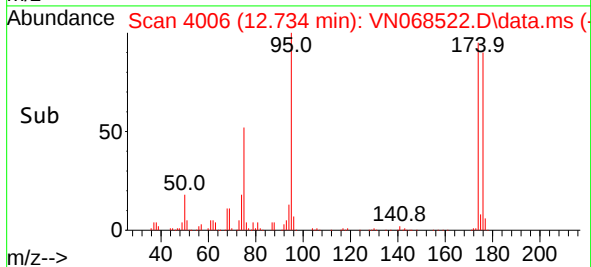
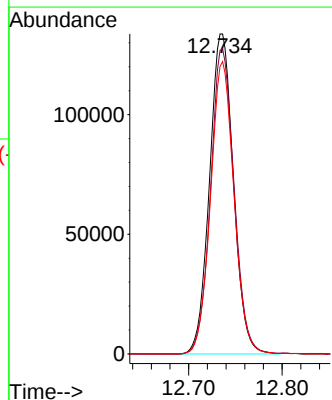
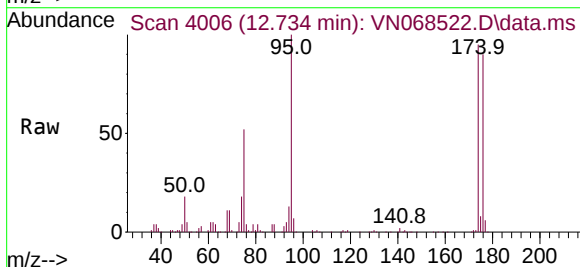
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

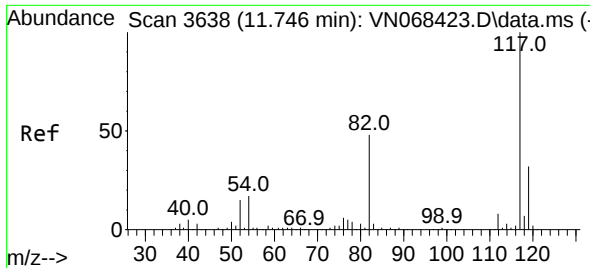
Tgt Ion:	97	Resp:	2790
Ion	Ratio	Lower	Upper
97	100		
83	90.1	63.7	95.5
85	53.0	40.7	61.1
99	61.6	49.0	73.6



#62
4-Bromofluorobenzene
Concen: 41.342 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion:	95	Resp:	237567
Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	214.0
176	89.5	0.0	205.4

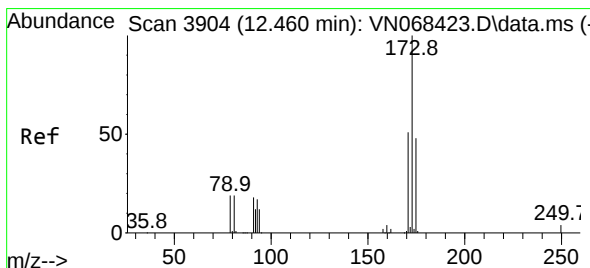
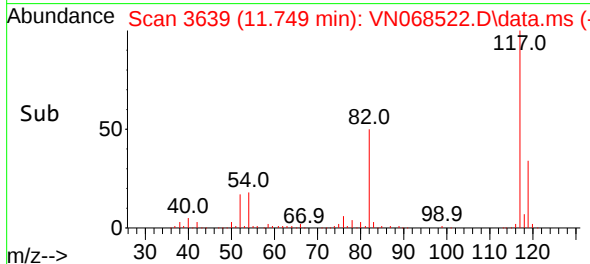
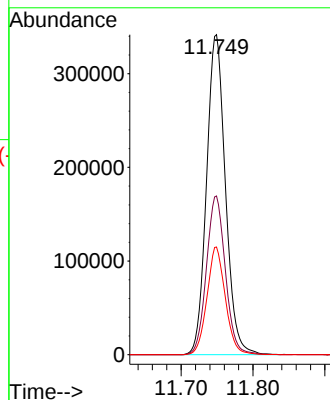
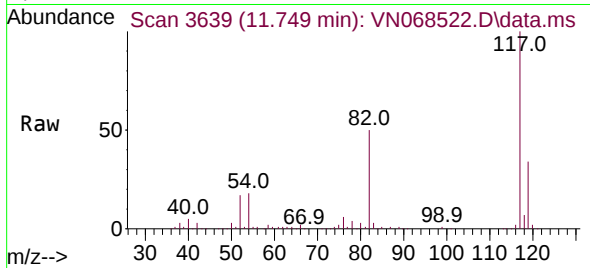




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

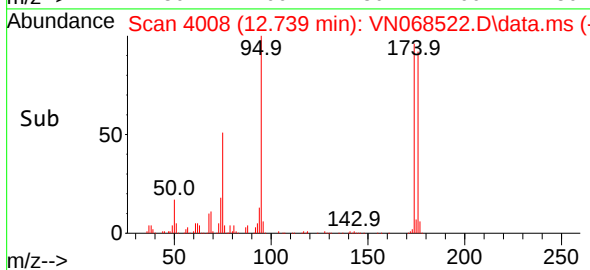
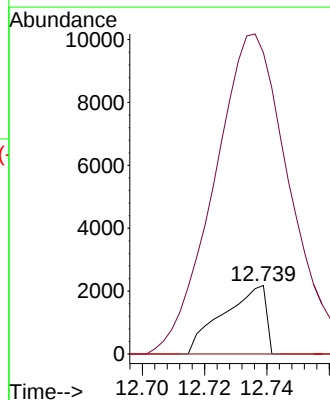
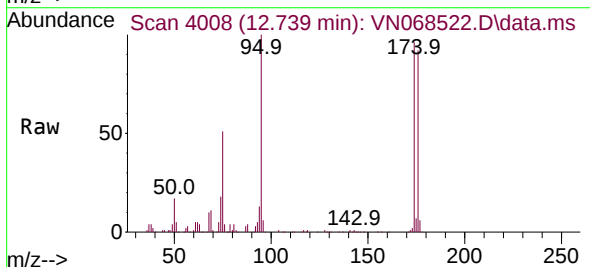
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

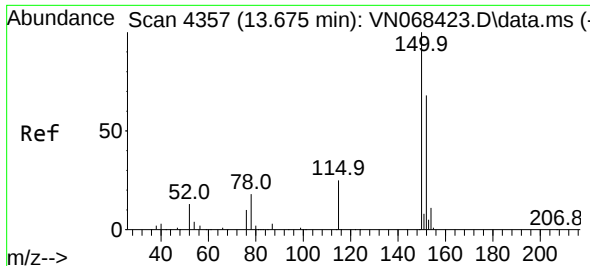
Tgt Ion:117 Resp: 625336
Ion Ratio Lower Upper
117 100
82 49.6 38.7 58.1
119 33.7 25.5 38.3



#71
Bromoform
Concen: 2.941 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion:173 Resp: 2080
Ion Ratio Lower Upper
173 100
175 747.0 24.1 72.3#
254 0.0 0.0 0.0

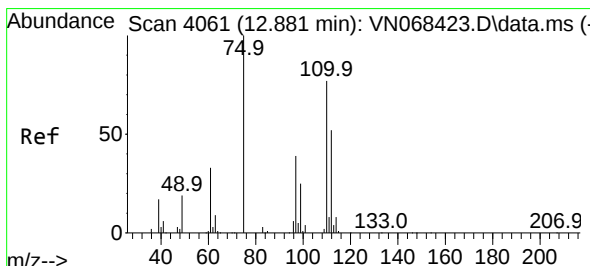
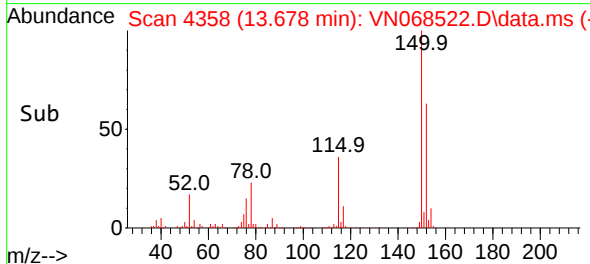
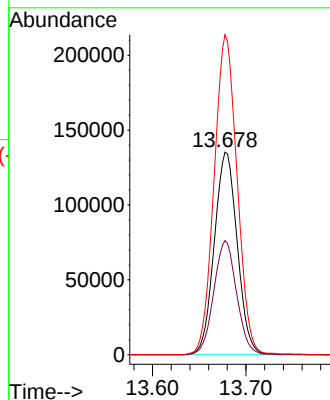
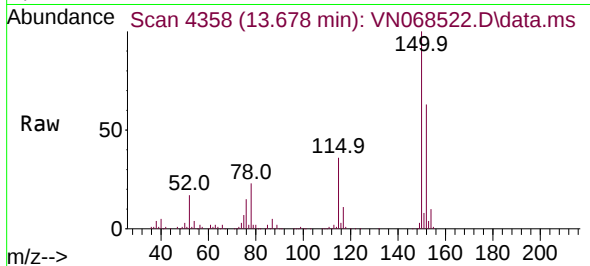




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

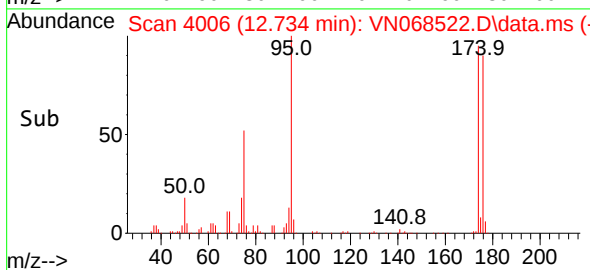
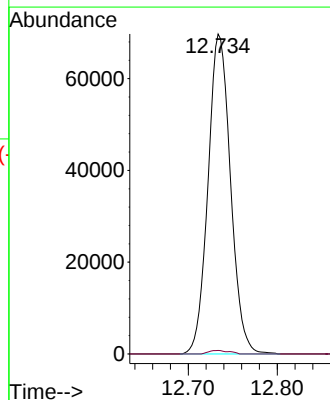
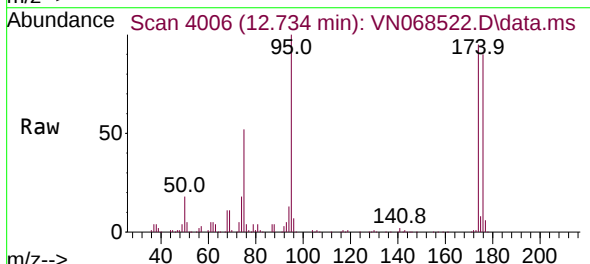
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

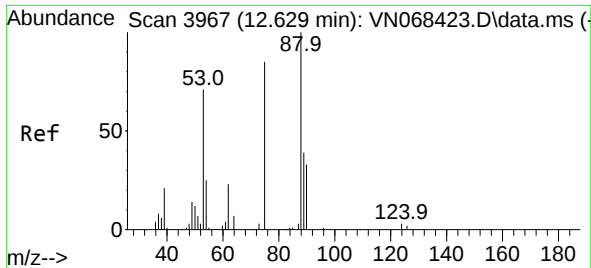
Tgt Ion:152 Resp: 230812
Ion Ratio Lower Upper
152 100
115 56.0 25.6 76.6
150 158.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 38.302 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion: 75 Resp: 122388
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

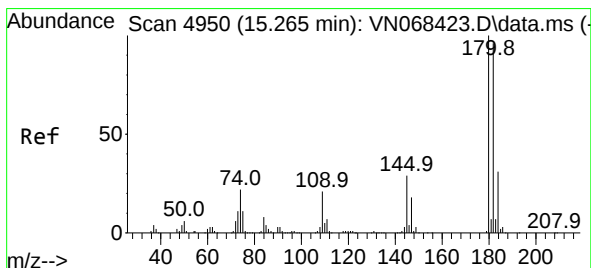
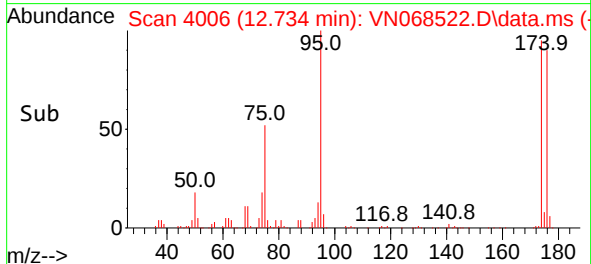
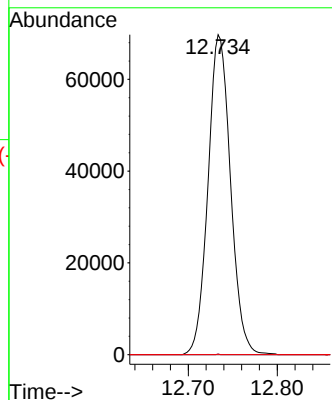
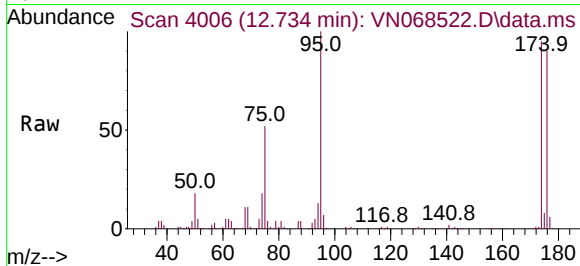




#81
trans-1,4-Dichloro-2-butene
Concen: 117.514 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

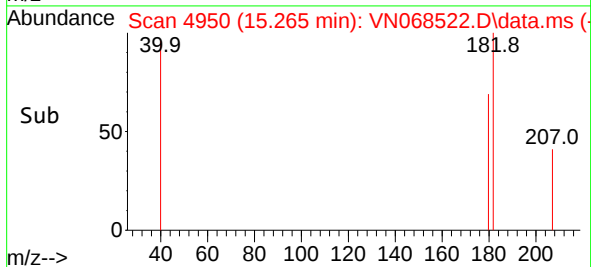
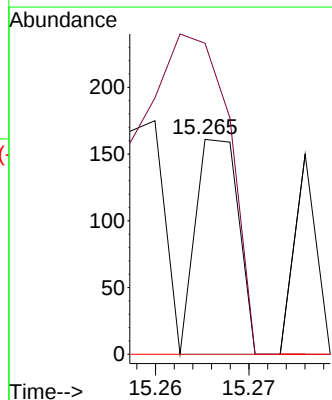
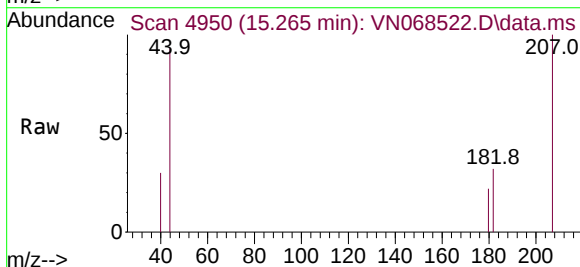
Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

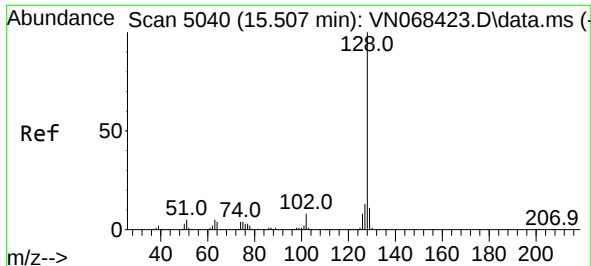
Tgt Ion: 75 Resp: 122388
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.970 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 364.7 47.5 142.6#
145 0.0 14.1 42.4#

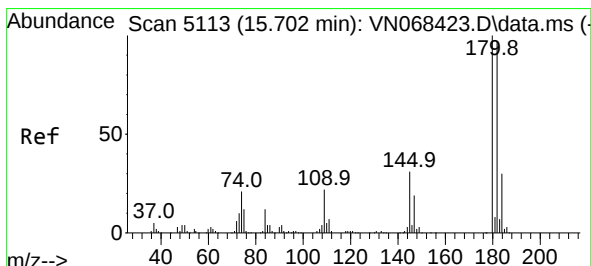
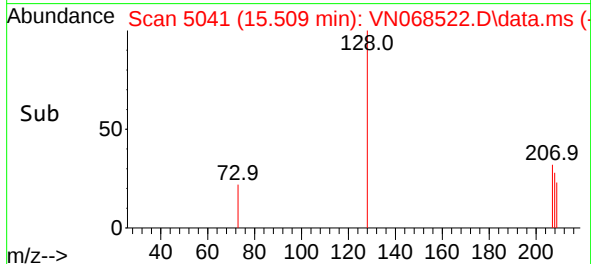
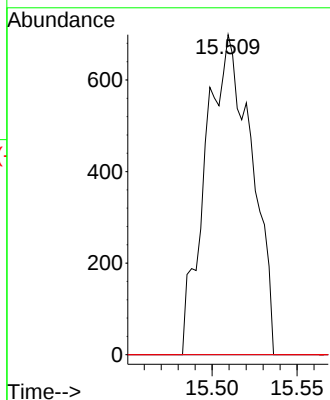
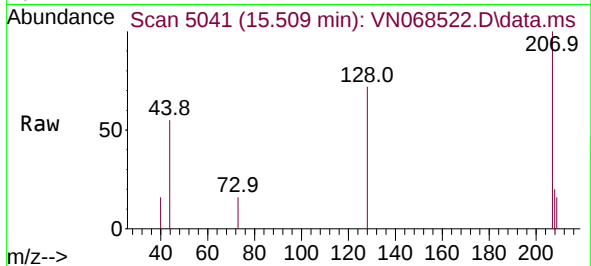




#95
Naphthalene
Concen: 3.630 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :
MW180D1-20210915

Tgt Ion:128 Resp: 1314
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.012 ug/l
RT: 15.692 min Scan# 5109
Delta R.T. -0.010 min
Lab File: VN068522.D
Acq: 17 Sep 2021 16:09

Tgt Ion:180 Resp: 162
Ion Ratio Lower Upper
180 100
182 175.9 47.9 143.6#
145 0.0 15.2 45.5#

