

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068524.D
 Acq On : 17 Sep 2021 17:00
 Operator : JC/MD
 Sample : M3781-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20210915

Quant Time: Sep 20 03:58:40 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)

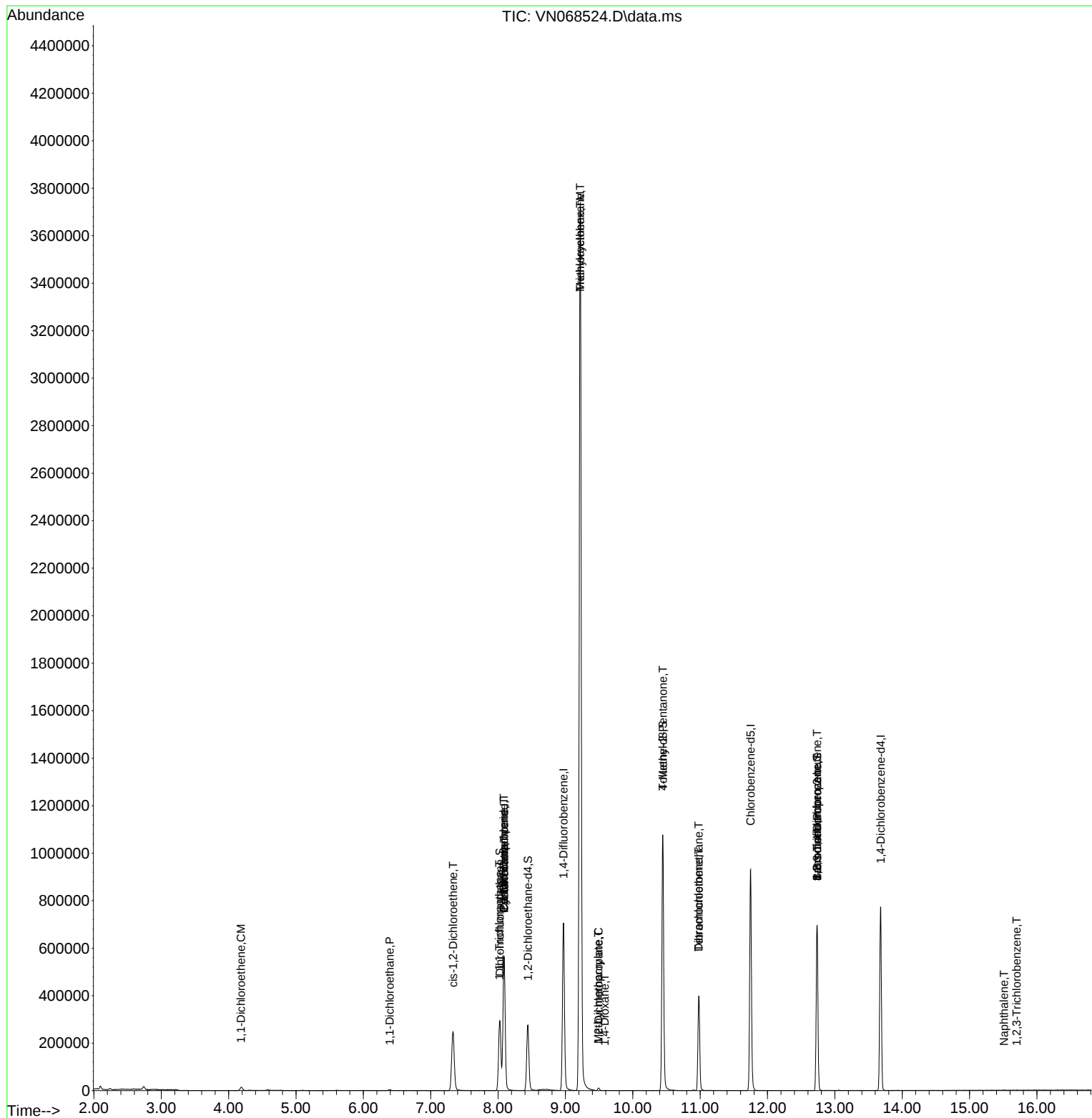
Internal Standards						
1) Pentafluorobenzene	8.091	168	476858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	680750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	608045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	237852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	238556	54.537	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.080%			
35) Dibromofluoromethane	8.027	113	218248	53.156	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.320%			
50) Toluene-d8	10.446	98	817883	48.672	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.736	95	240637	43.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.800%			
Target Compounds						Qvalue
3) Chloromethane	2.306	50	959	Below Cal		98
5) Bromomethane	2.829	94	52	Below Cal	#	3
12) 1,1-Dichloroethene	4.183	96	9214	2.459	ug/l	91
16) Acetone	4.304	43	3164	Below Cal	#	78
18) Methyl Acetate	4.862	43	355	Below Cal	#	45
20) Methylene Chloride	5.103	84	754	Below Cal	#	69
24) 1,1-Dichloroethane	6.391	63	6131	0.878	ug/l #	82
27) cis-1,2-Dichloroethene	7.332	96	170996	34.038	ug/l	91
31) Cyclohexane	8.091	56	7837	1.182	ug/l #	22
32) 1,1,1-Trichloroethane	8.019	97	5147	0.672	ug/l #	47
36) 1,1-Dichloropropene	8.088	75	30492	5.373	ug/l #	48
38) Carbon Tetrachloride	8.088	117	45062	6.628	ug/l #	17
39) Methylcyclohexane	9.220	83	15997	2.228	ug/l #	1
44) Trichloroethene	9.220	130	1474666	277.241	ug/l	95
45) 1,2-Dichloropropane	9.491	63	4388	1.094	ug/l	99
48) Methyl methacrylate	9.488	41	2546	0.800	ug/l #	21
49) 1,4-Dioxane	9.582	88	82	1.124	ug/l #	23
51) 4-Methyl-2-Pentanone	10.446	43	2844	0.654	ug/l #	1
60) Dibromochloromethane	10.979	129	90099	16.133	ug/l #	11
64) Tetrachloroethene	10.979	164	97278	18.051	ug/l	94
71) Bromoform	12.736	173	2619	3.063	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	120908	36.673	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	120908	112.656	ug/l #	13
95) Naphthalene	15.512	128	781	3.574	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	81	2.992	ug/l #	12

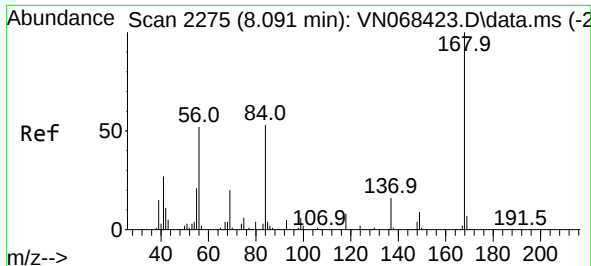
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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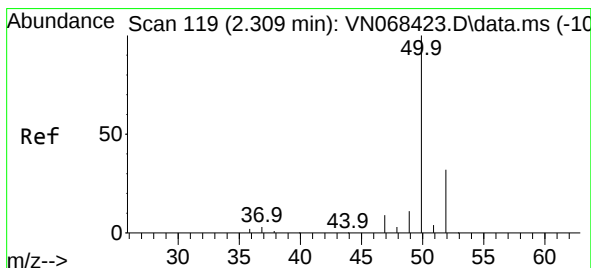
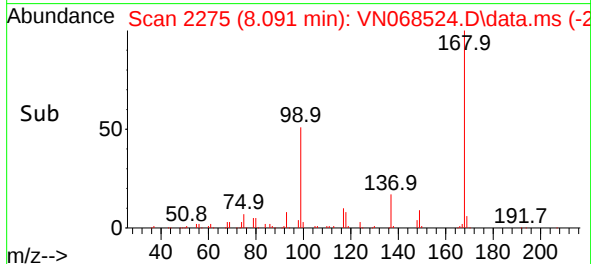
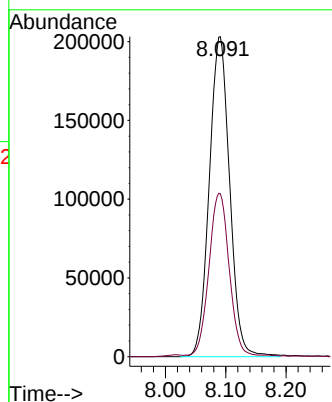
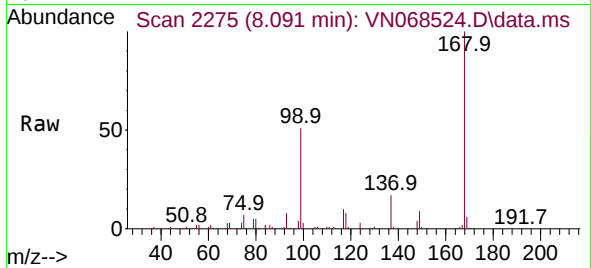




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

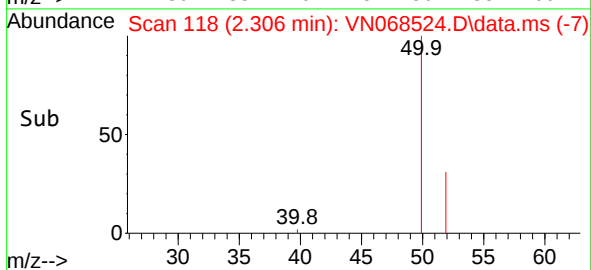
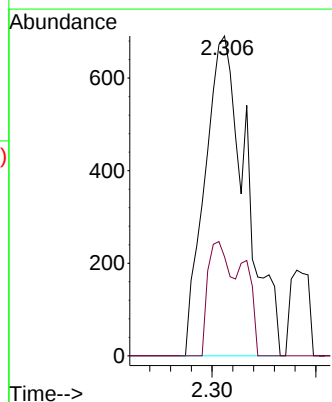
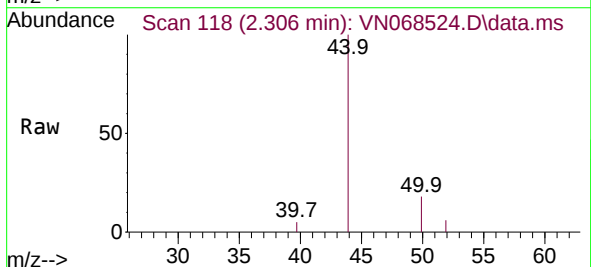
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

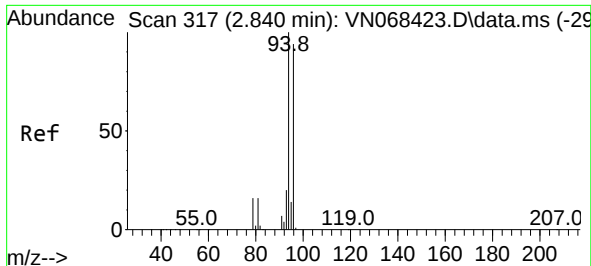
Tgt Ion:168 Resp: 476858
Ion Ratio Lower Upper
168 100
99 50.6 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 50 Resp: 959
Ion Ratio Lower Upper
50 100
52 31.0 25.8 38.6

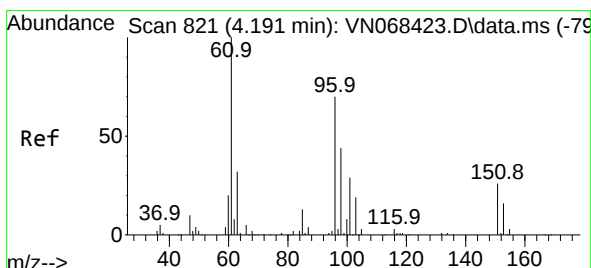
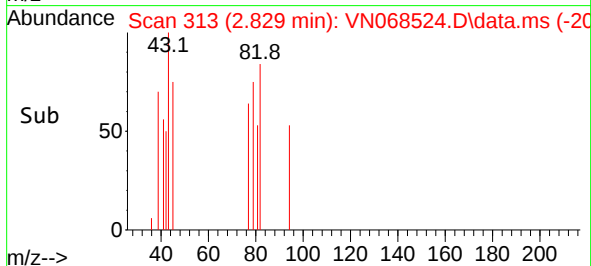
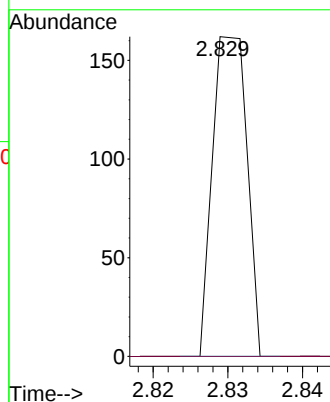
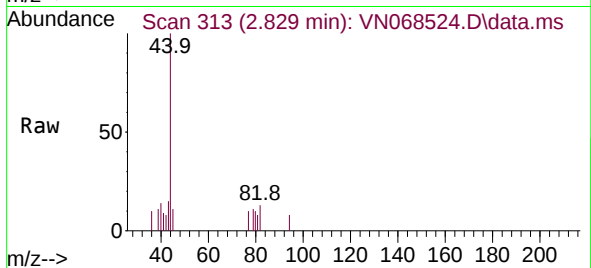




#5
Bromomethane
Concen: Below Cal
RT: 2.829 min Scan# 313
Delta R.T. -0.011 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

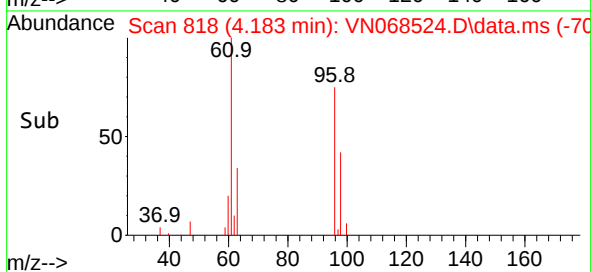
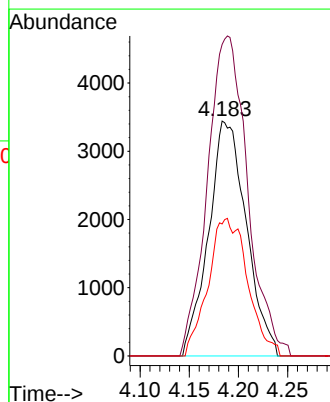
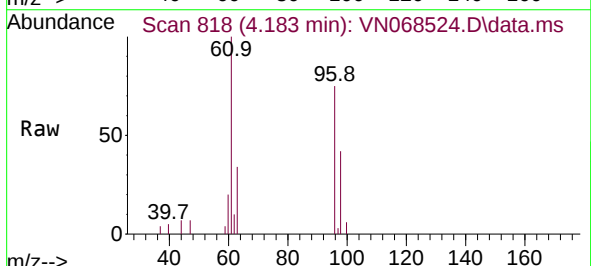
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

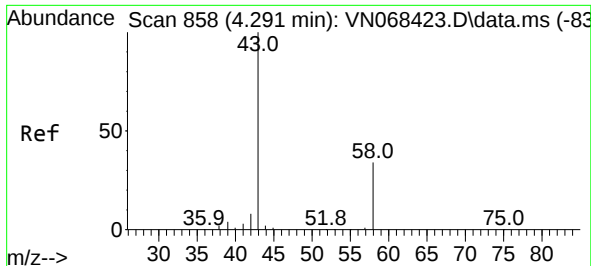
Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#12
1,1-Dichloroethene
Concen: 2.459 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.008 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 96 Resp: 9214
Ion Ratio Lower Upper
96 100
61 132.7 114.7 172.1
98 56.2 50.9 76.3

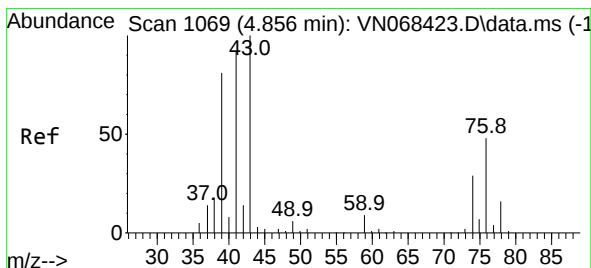
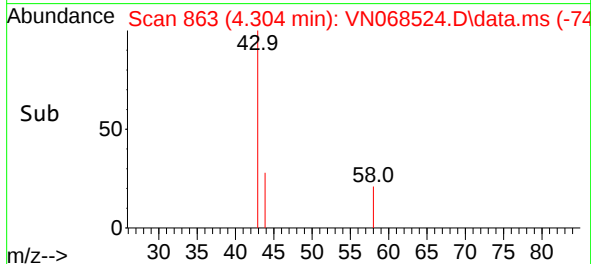
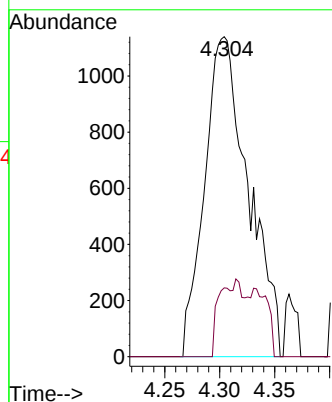
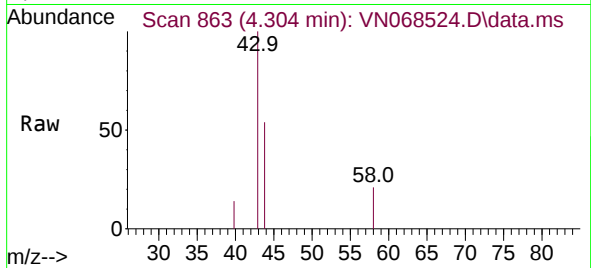




#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

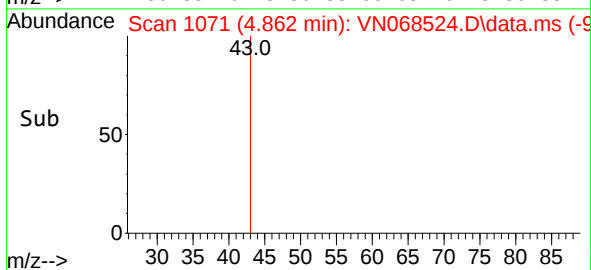
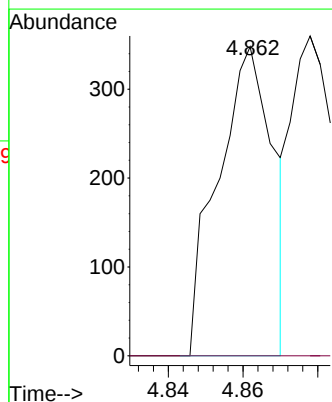
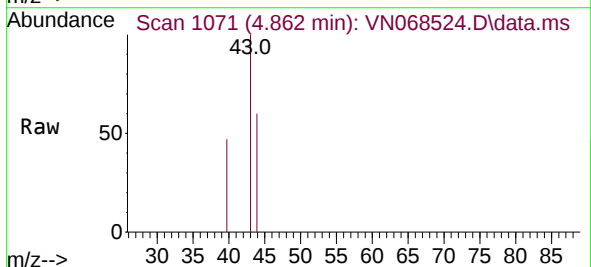
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

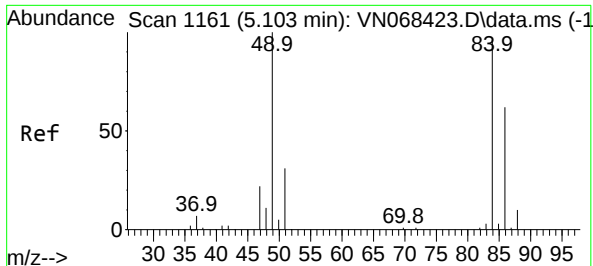
Tgt Ion: 43 Resp: 3164
Ion Ratio Lower Upper
43 100
58 21.5 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



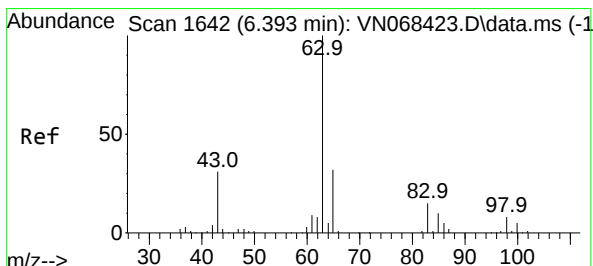
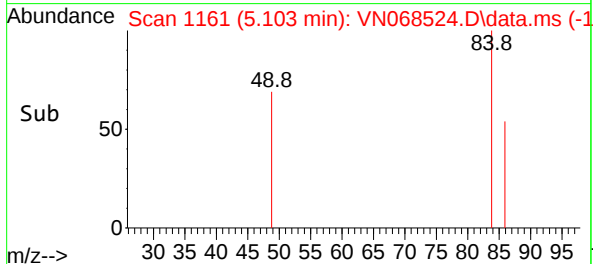
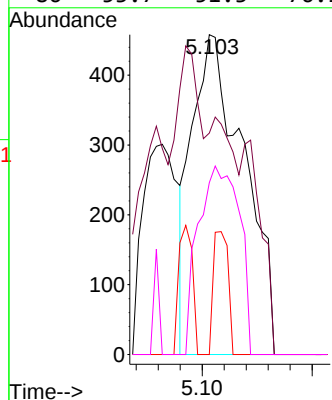
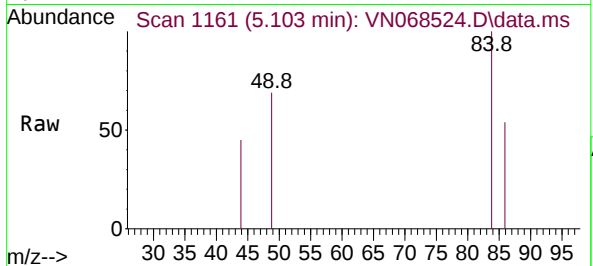


#20
Methylene Chloride
Concen: Below Cal
RT: 5.103 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

Tgt Ion: 84 Resp: 754

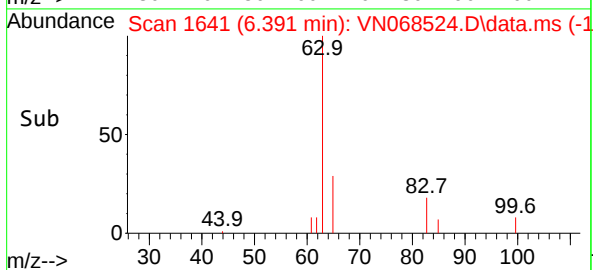
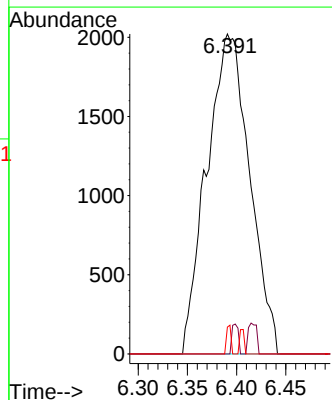
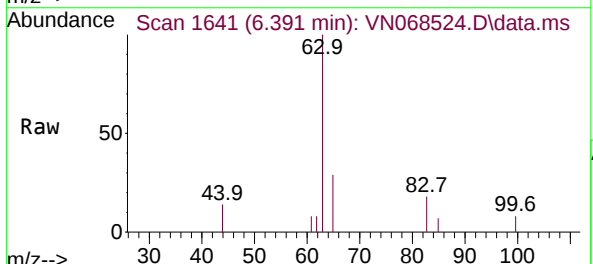
Ion	Ratio	Lower	Upper
84	100		
49	69.2	83.0	124.6#
51	0.0	25.4	38.0#
86	53.7	51.3	76.9

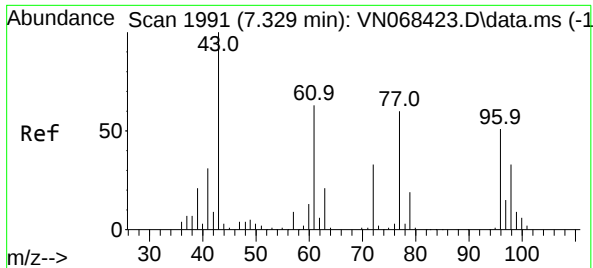


#24
1,1-Dichloroethane
Concen: 0.878 ug/l
RT: 6.391 min Scan# 1641
Delta R.T. -0.002 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 63 Resp: 6131

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	8.4	2.4	7.2#

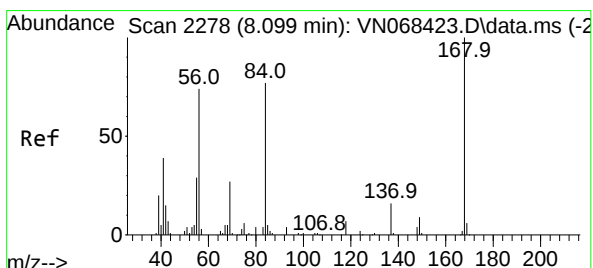
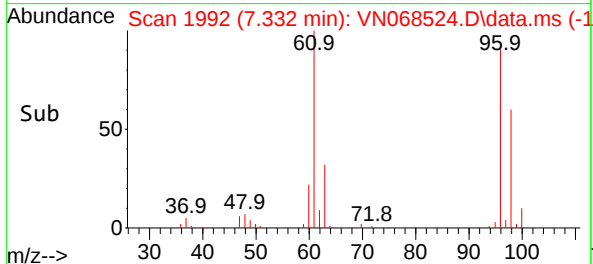
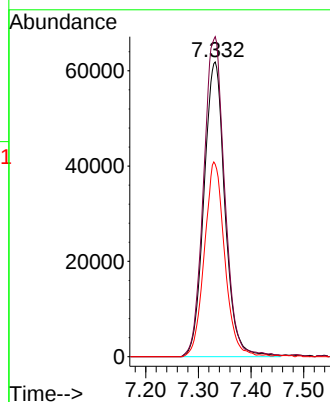
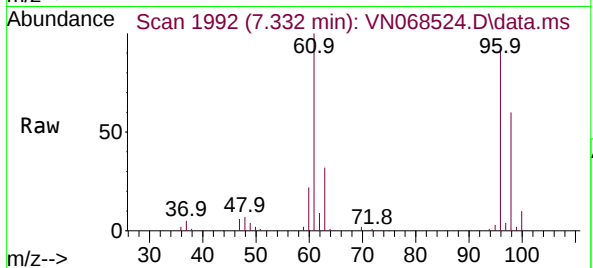




#27
cis-1,2-Dichloroethene
Concen: 34.038 ug/l
RT: 7.332 min Scan# 1992
Delta R.T. 0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

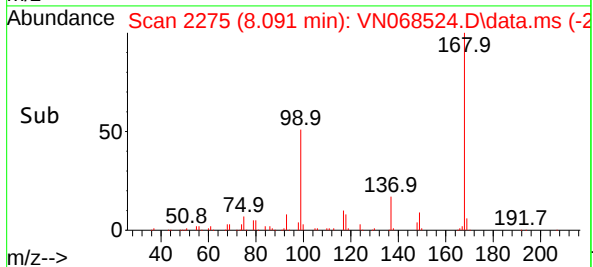
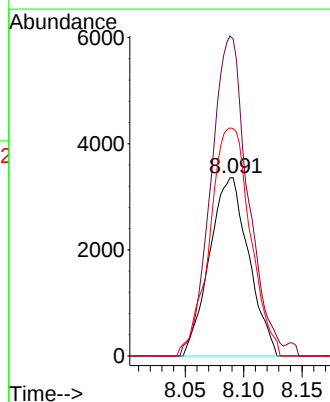
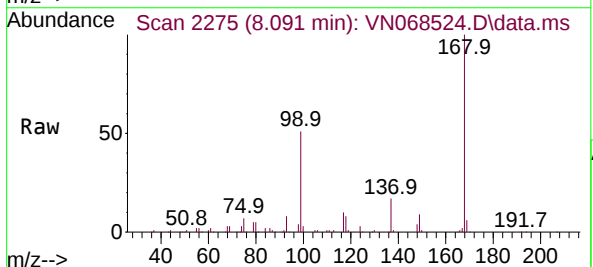
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ClientSampleId :
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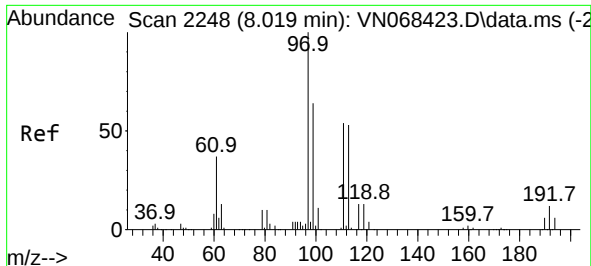
Tgt Ion:	96	Resp:	170996
Ion	Ratio	Lower	Upper
96	100		
61	108.9	0.0	246.4
98	63.9	0.0	130.4



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion:	56	Resp:	7837
Ion	Ratio	Lower	Upper
56	100		
69	177.7	29.4	44.0#
84	127.6	83.6	125.4#

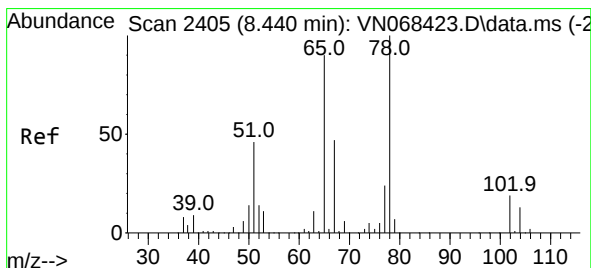
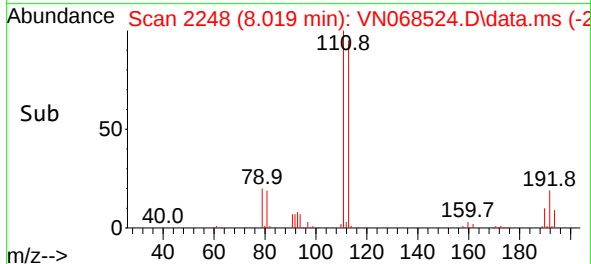
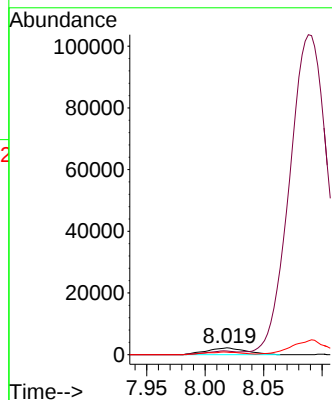
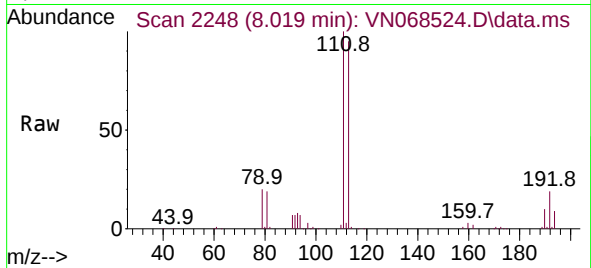




#32
1,1,1-Trichloroethane
Concen: 0.672 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.000 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

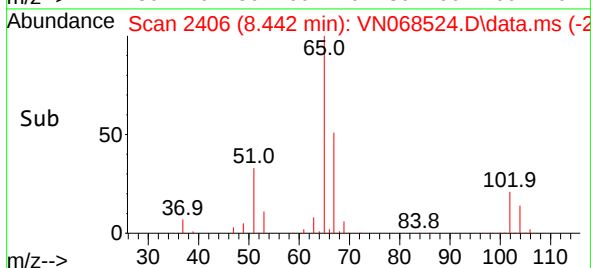
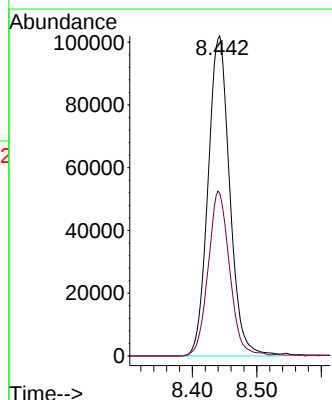
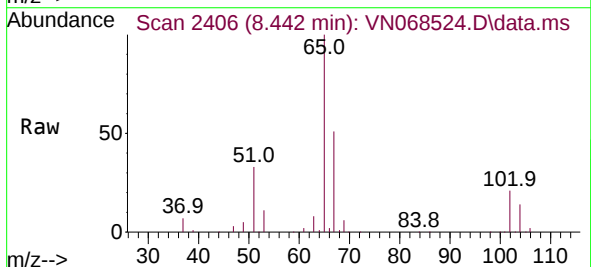
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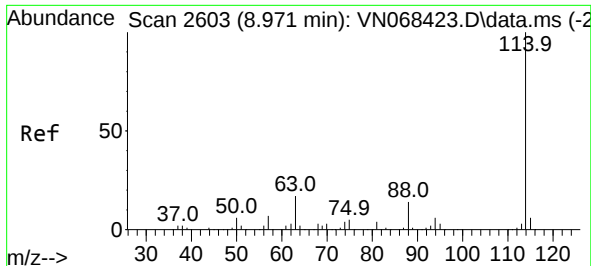
Tgt Ion: 97 Resp: 5147
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 35.8 30.3 45.5



#33
1,2-Dichloroethane-d4
Concen: 54.537 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 65 Resp: 238556
Ion Ratio Lower Upper
65 100
67 50.9 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: VN068524.D

Acq: 17 Sep 2021 17:00

Tgt Ion:114 Resp: 680750

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

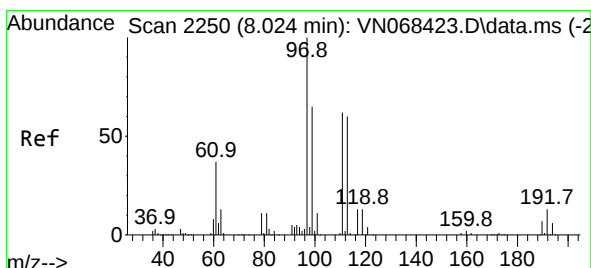
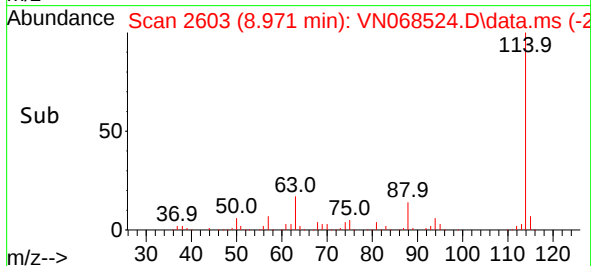
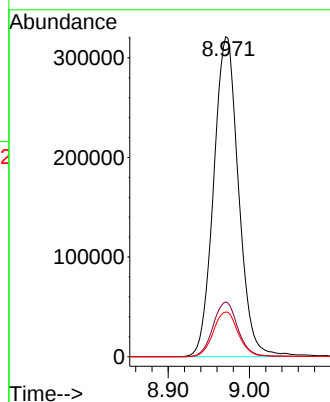
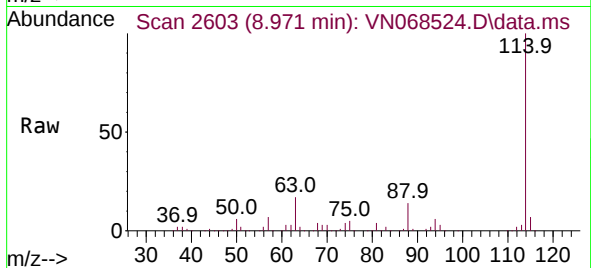
88 14.0 0.0 28.4

Instrument :

MSVOA_N

ClientSampleId :

MW179D2-20210915



#35

Dibromofluoromethane

Concen: 53.156 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VN068524.D

Acq: 17 Sep 2021 17:00

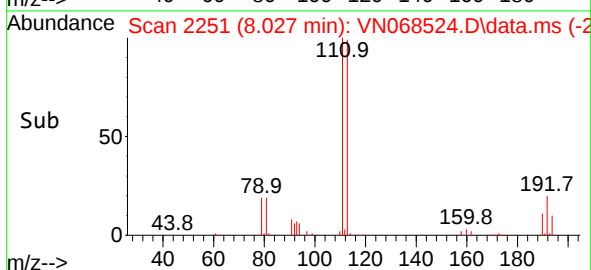
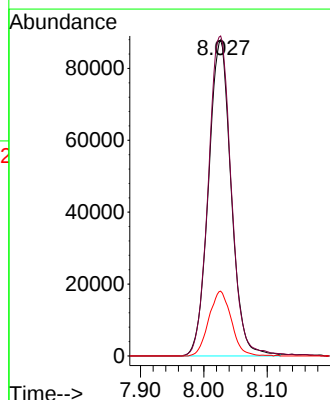
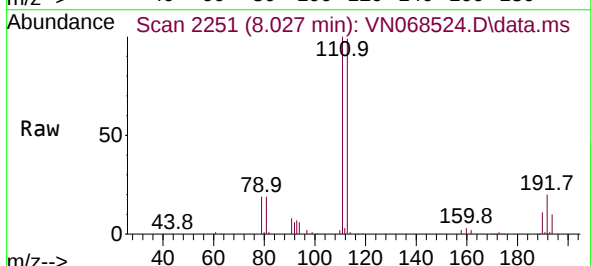
Tgt Ion:113 Resp: 218248

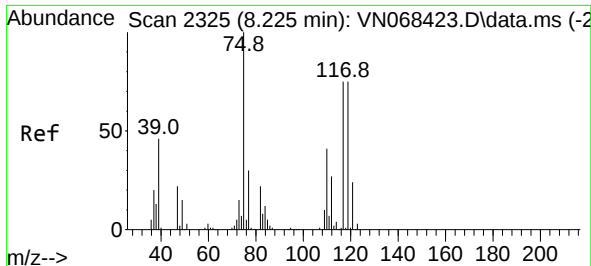
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 20.4 17.7 26.5

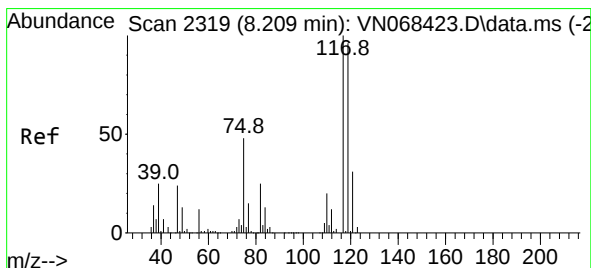
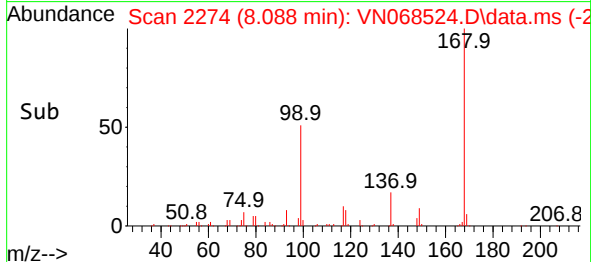
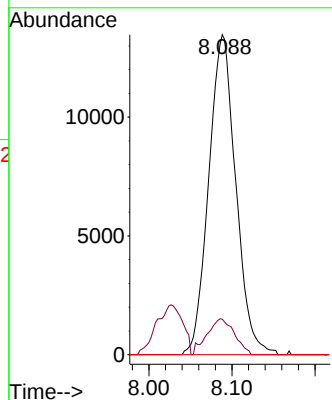
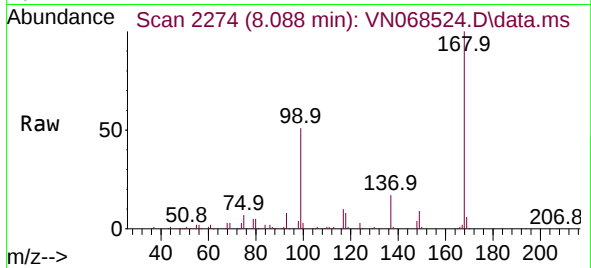




#36
1,1-Dichloropropene
Concen: 5.373 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

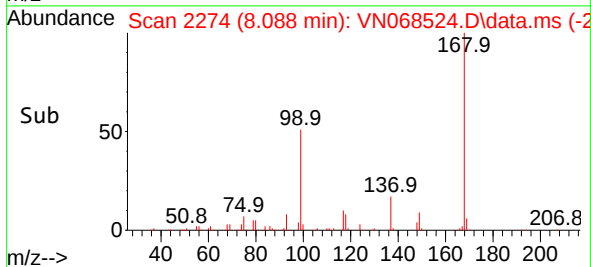
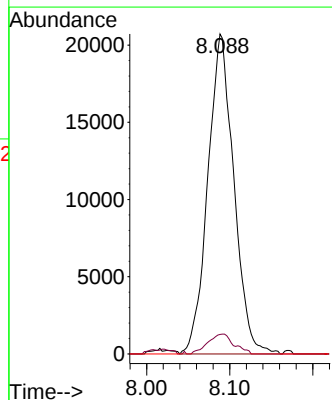
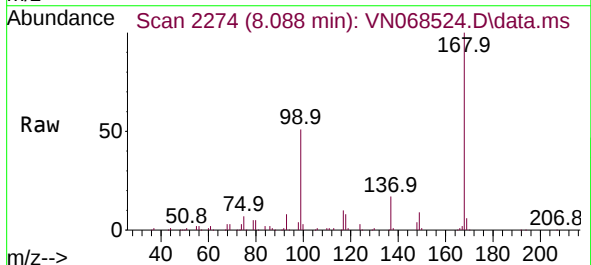
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

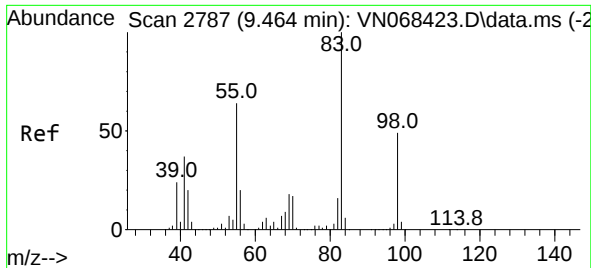
Tgt Ion: 75 Resp: 30492
Ion Ratio Lower Upper
75 100
110 11.3 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.628 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 117 Resp: 45062
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.5 36.7#

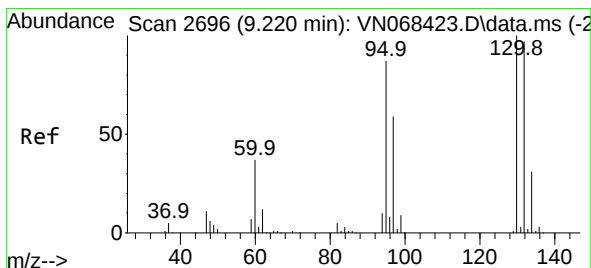
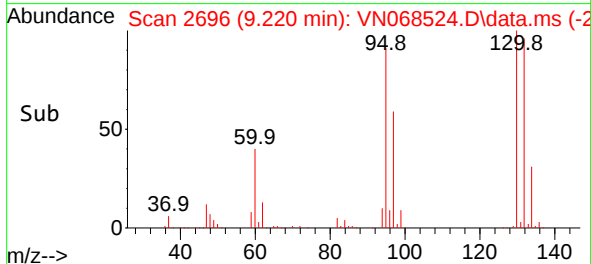
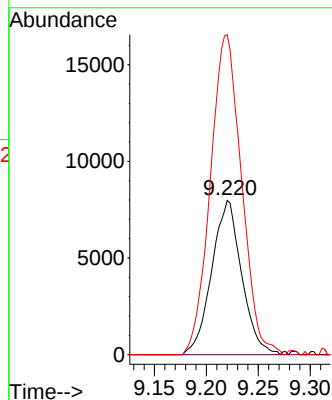
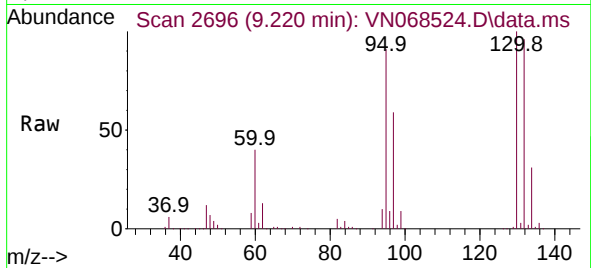




#39
Methylcyclohexane
Concen: 2.228 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.244 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

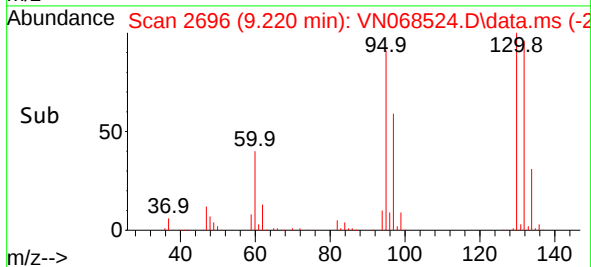
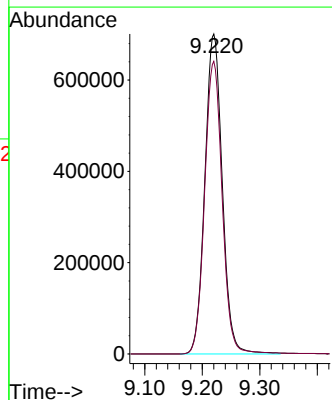
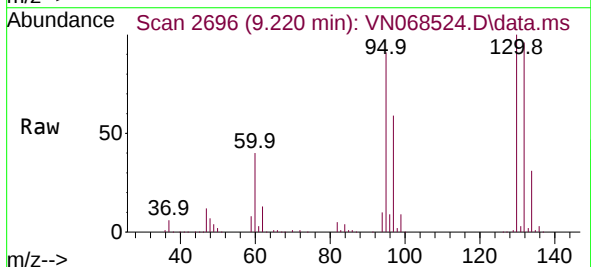
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

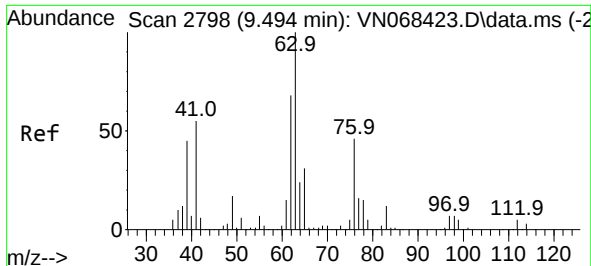
Tgt Ion: 83 Resp: 15997
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 207.4 39.5 59.3#



#44
Trichloroethene
Concen: 277.241 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion:130 Resp: 1474666
Ion Ratio Lower Upper
130 100
95 91.4 0.0 173.8



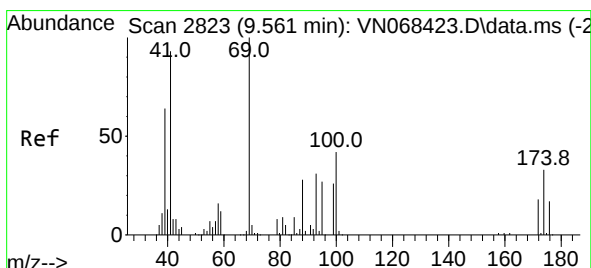
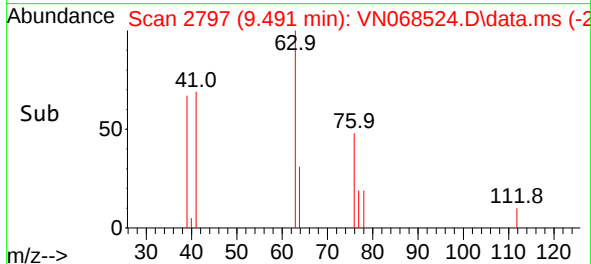
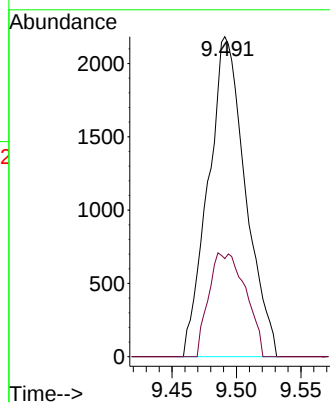
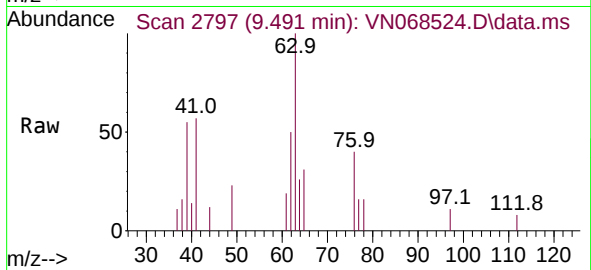


#45

1,2-Dichloropropane
Concen: 1.094 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

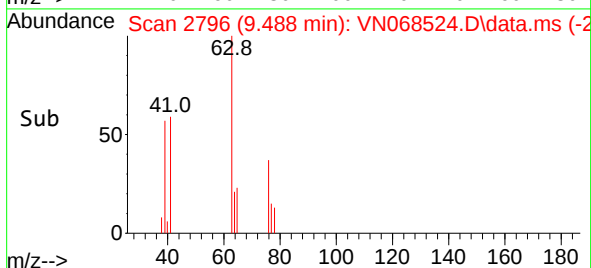
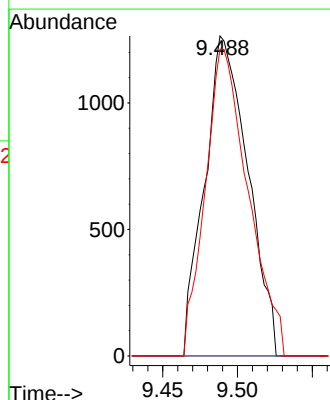
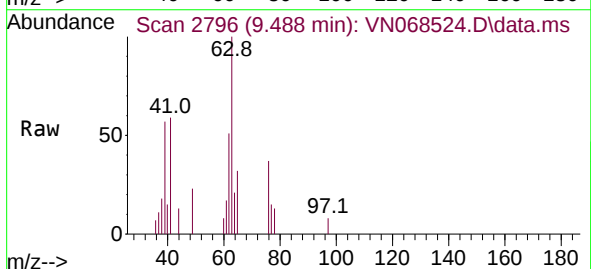
Tgt Ion: 63 Resp: 4388
Ion Ratio Lower Upper
63 100
65 30.6 24.8 37.2

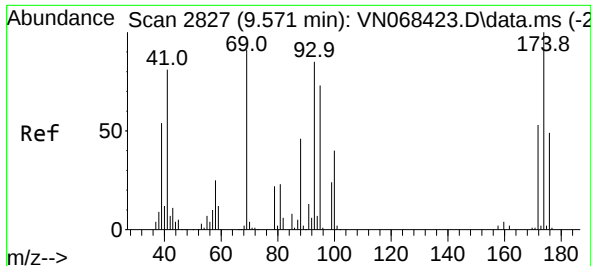


#48

Methyl methacrylate
Concen: 0.800 ug/l
RT: 9.488 min Scan# 2796
Delta R.T. -0.073 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 41 Resp: 2546
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 95.1 50.3 75.5#





#49

1,4-Dioxane

Concen: 1.124 ug/l

RT: 9.582 min Scan# 2831

Delta R.T. 0.011 min

Lab File: VN068524.D

Acq: 17 Sep 2021 17:00

Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 59.8 18.9 28.3#

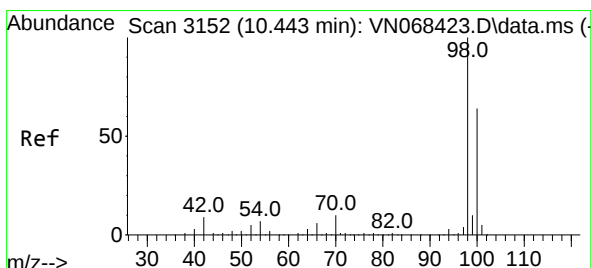
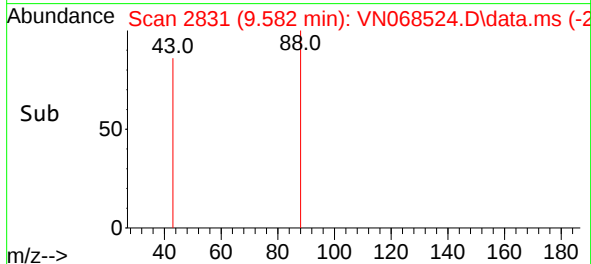
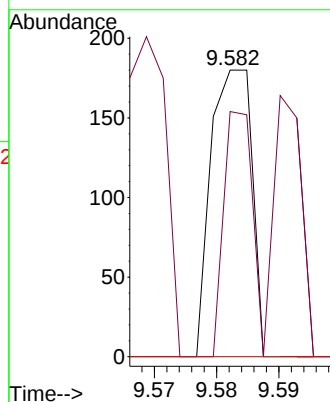
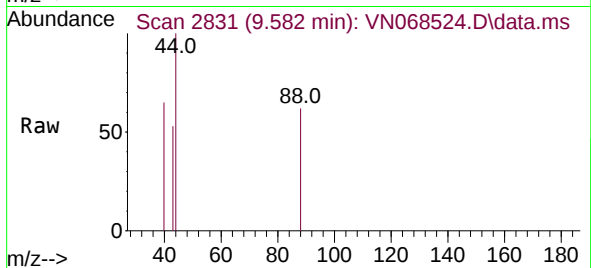
58 0.0 46.6 69.8#

Instrument :

MSVOA_N

ClientSampleId :

MW179D2-20210915



#50

Toluene-d8

Concen: 48.672 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068524.D

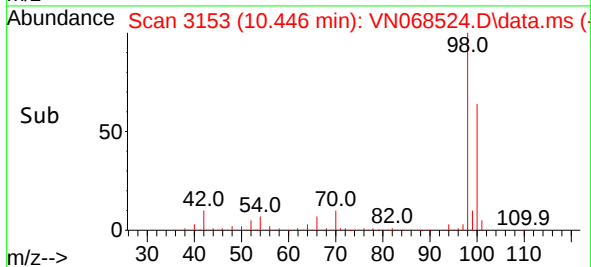
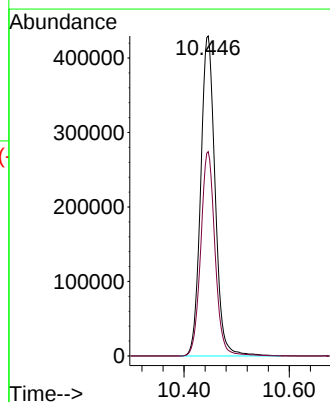
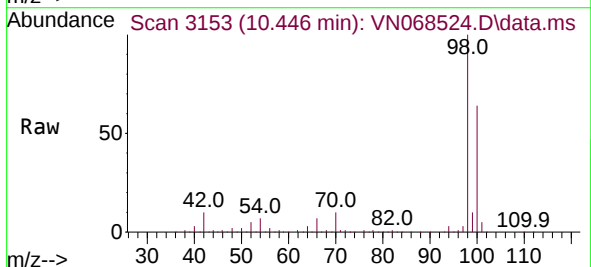
Acq: 17 Sep 2021 17:00

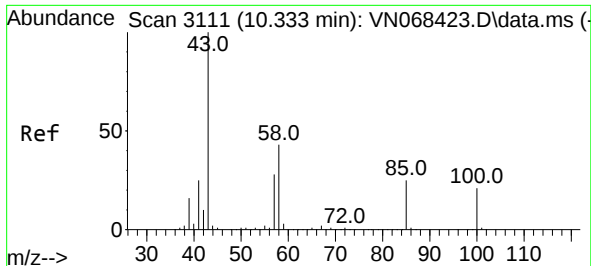
Tgt Ion: 98 Resp: 817883

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6

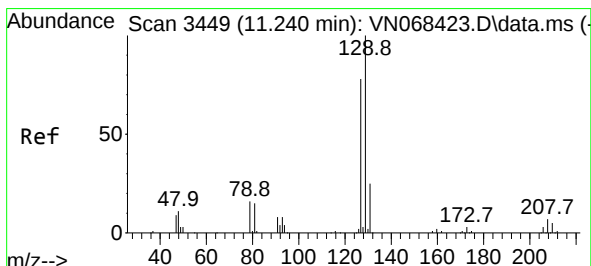
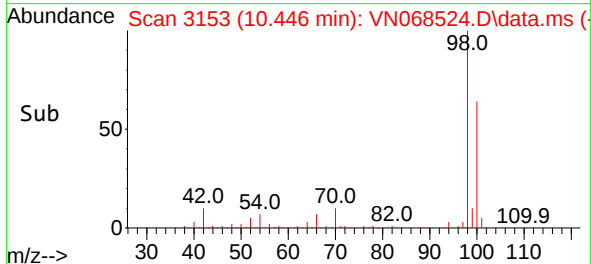
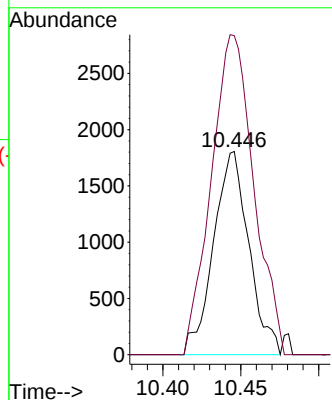
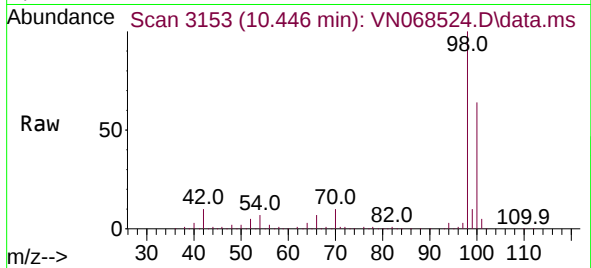




#51
4-Methyl-2-Pentanone
Concen: 0.654 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.113 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

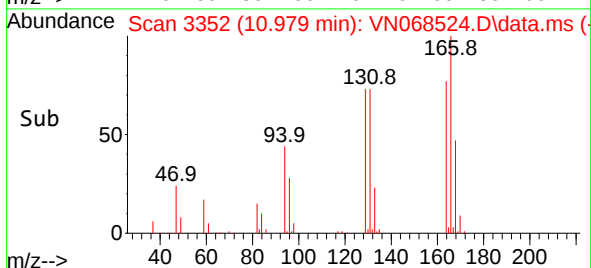
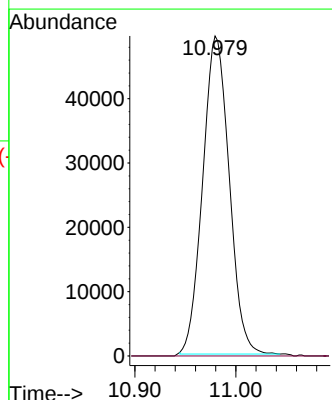
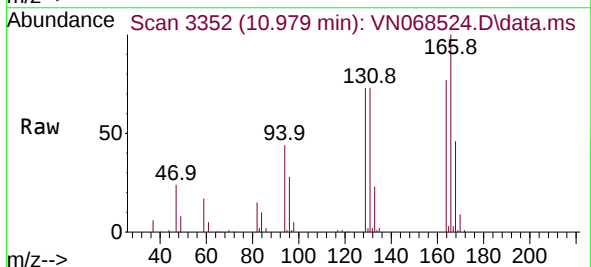
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

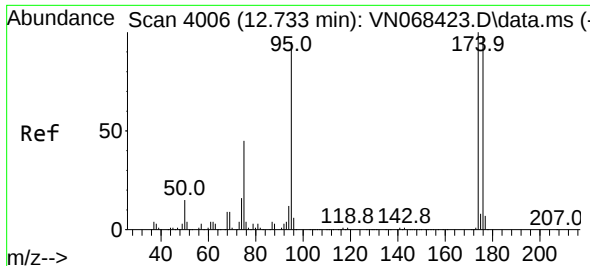
Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
58 189.7 34.3 51.5#



#60
Dibromochloromethane
Concen: 16.133 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 129 Resp: 90099
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

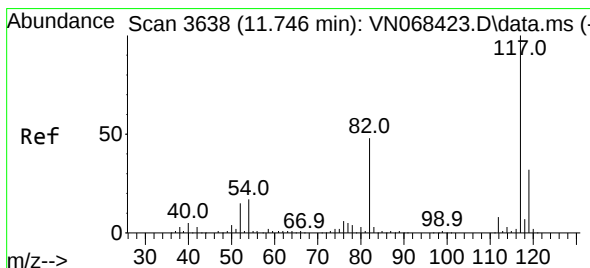
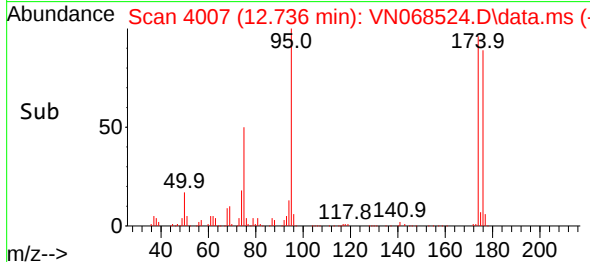
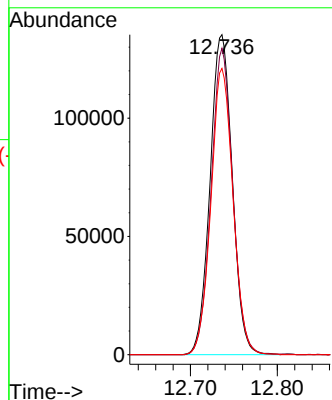
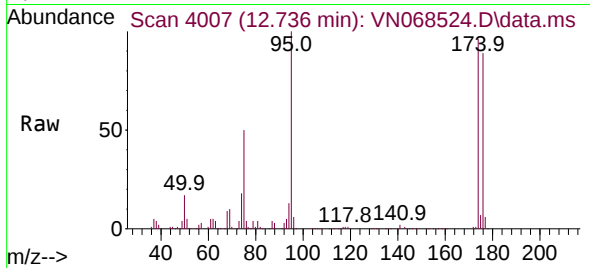




#62
4-Bromofluorobenzene
Concen: 43.904 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

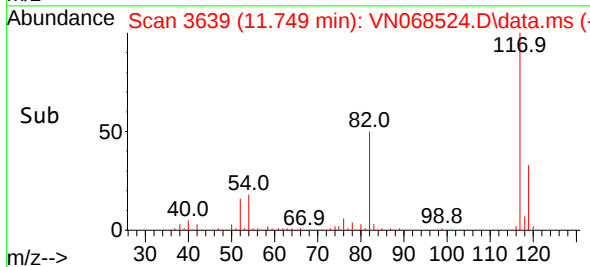
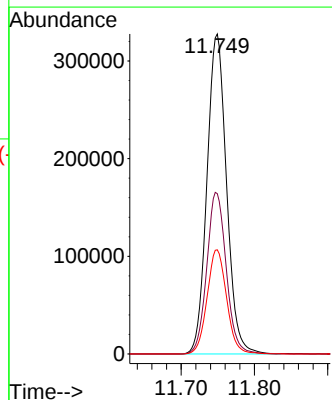
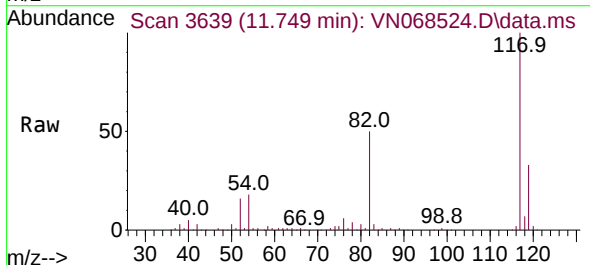
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

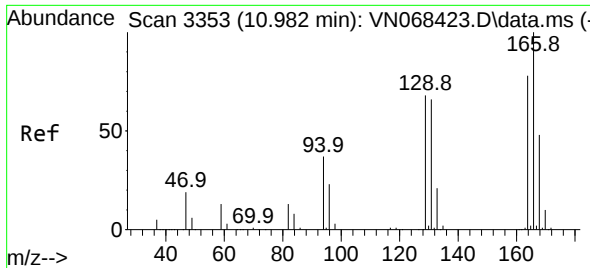
Tgt Ion: 95 Resp: 240637
Ion Ratio Lower Upper
95 100
174 93.1 0.0 214.0
176 88.9 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 117 Resp: 608045
Ion Ratio Lower Upper
117 100
82 50.1 38.7 58.1
119 32.5 25.5 38.3

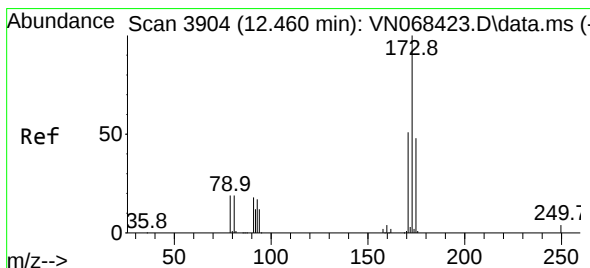
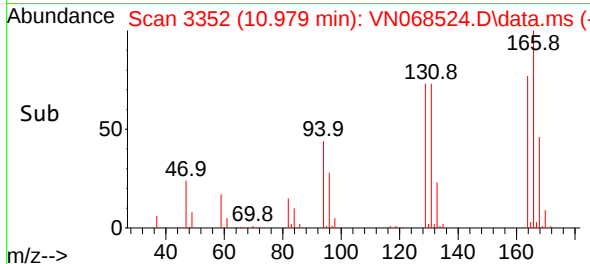
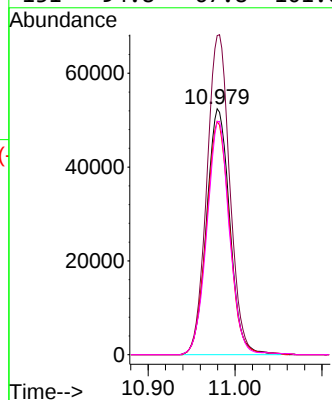
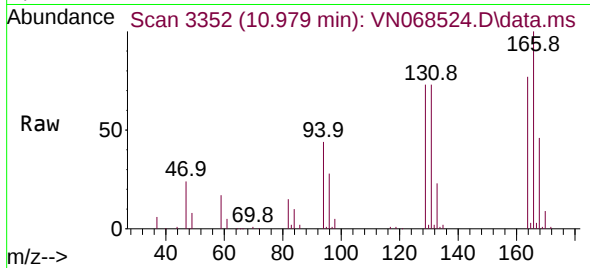




#64
Tetrachloroethene
Concen: 18.051 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

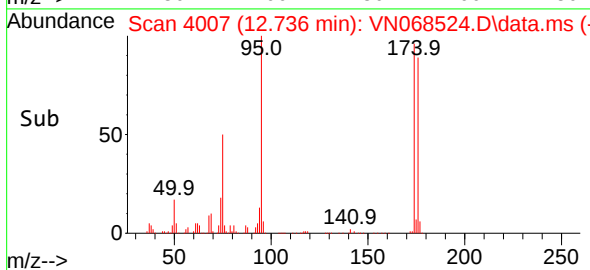
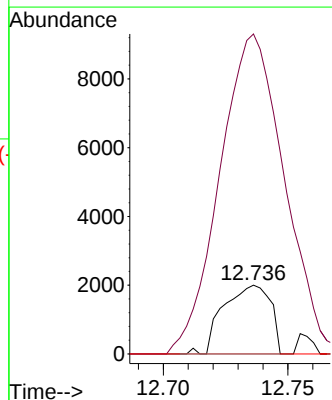
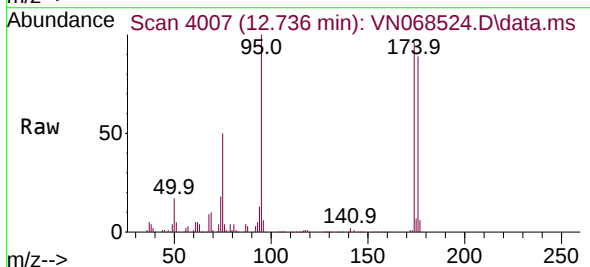
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

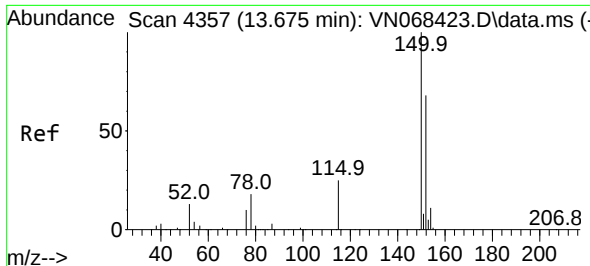
Tgt Ion:164 Resp: 97278
Ion Ratio Lower Upper
164 100
166 129.7 102.9 154.3
129 94.9 70.1 105.1
131 94.8 67.8 101.6



#71
Bromoform
Concen: 3.063 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

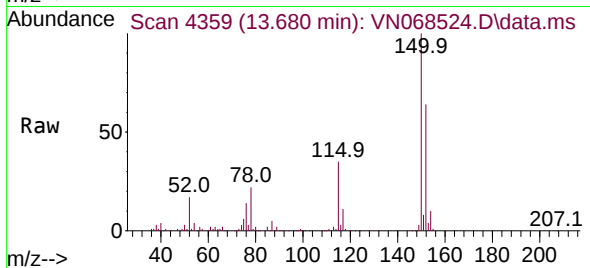
Tgt Ion:173 Resp: 2619
Ion Ratio Lower Upper
173 100
175 568.4 24.1 72.3#
254 0.0 0.0 0.0



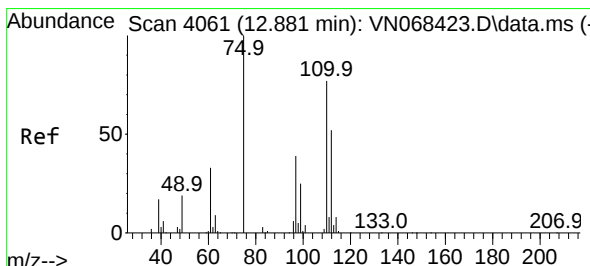
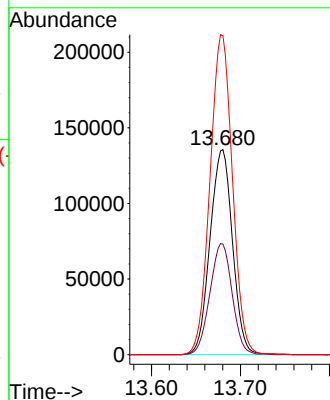
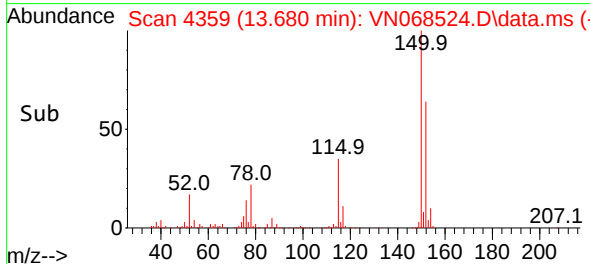


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

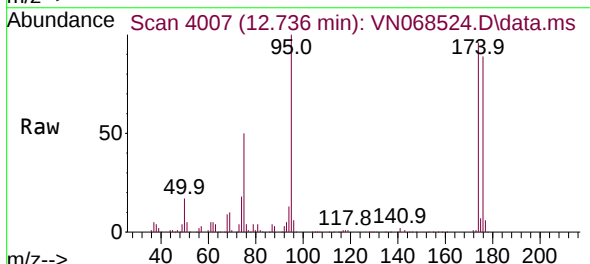
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915



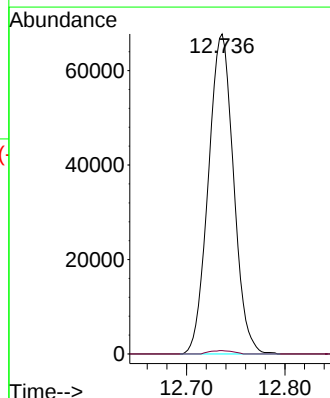
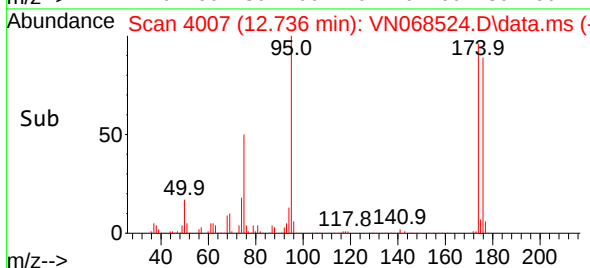
Tgt Ion:152 Resp: 237852
Ion Ratio Lower Upper
152 100
115 53.7 25.6 76.6
150 155.8 0.0 346.8

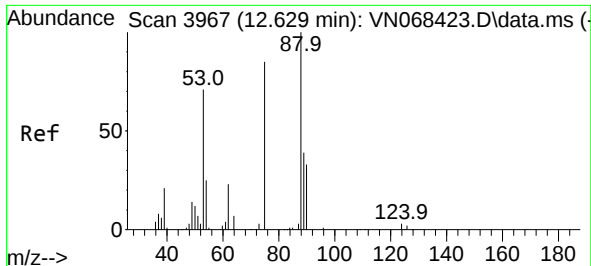


#76
1,2,3-Trichloropropane
Concen: 36.673 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00



Tgt Ion: 75 Resp: 120908
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

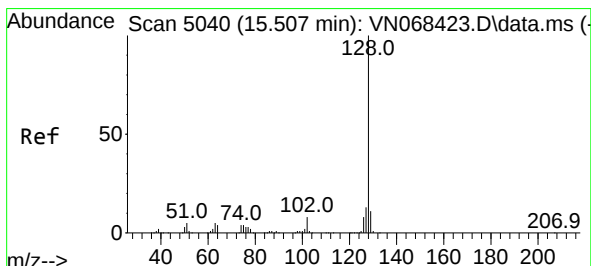
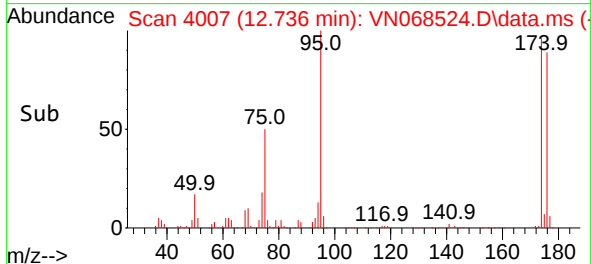
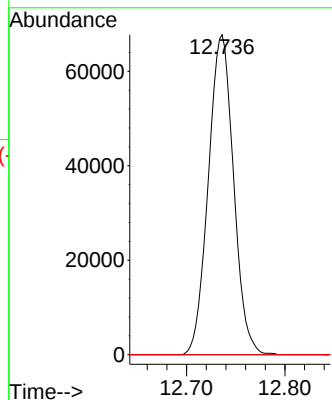
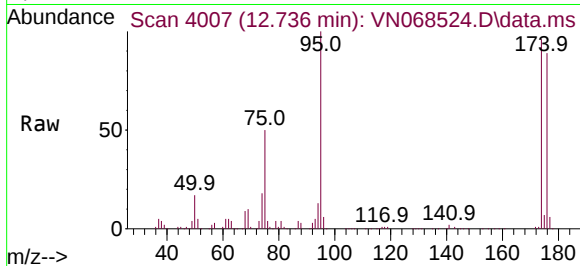




#81
trans-1,4-Dichloro-2-butene
Concen: 112.656 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

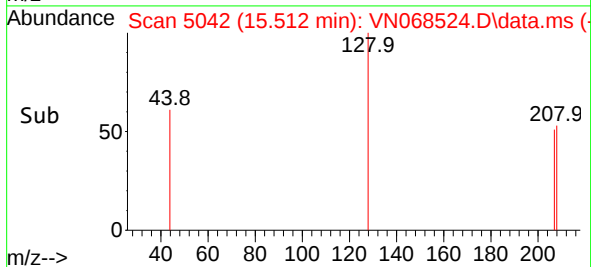
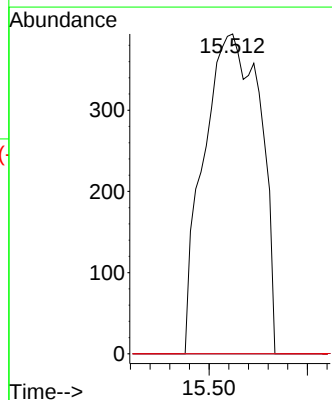
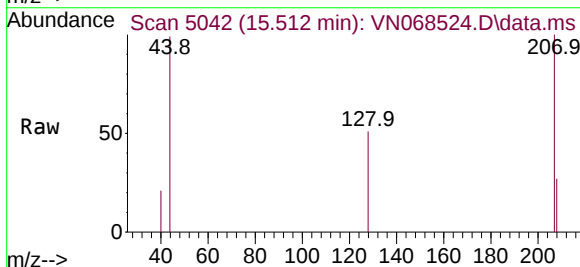
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20210915

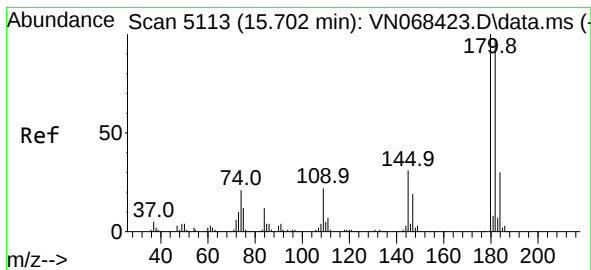
Tgt Ion: 75 Resp: 120908
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 3.574 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068524.D
Acq: 17 Sep 2021 17:00

Tgt Ion: 128 Resp: 781
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: 2.992 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN068524.D
 Acq: 17 Sep 2021 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20210915

Tgt Ion:180 Resp: 81
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 0.0 15.2 45.5#

