

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068523.D
 Acq On : 17 Sep 2021 16:35
 Operator : JC/MD
 Sample : M3781-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20210915

Quant Time: Sep 20 03:58:23 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)

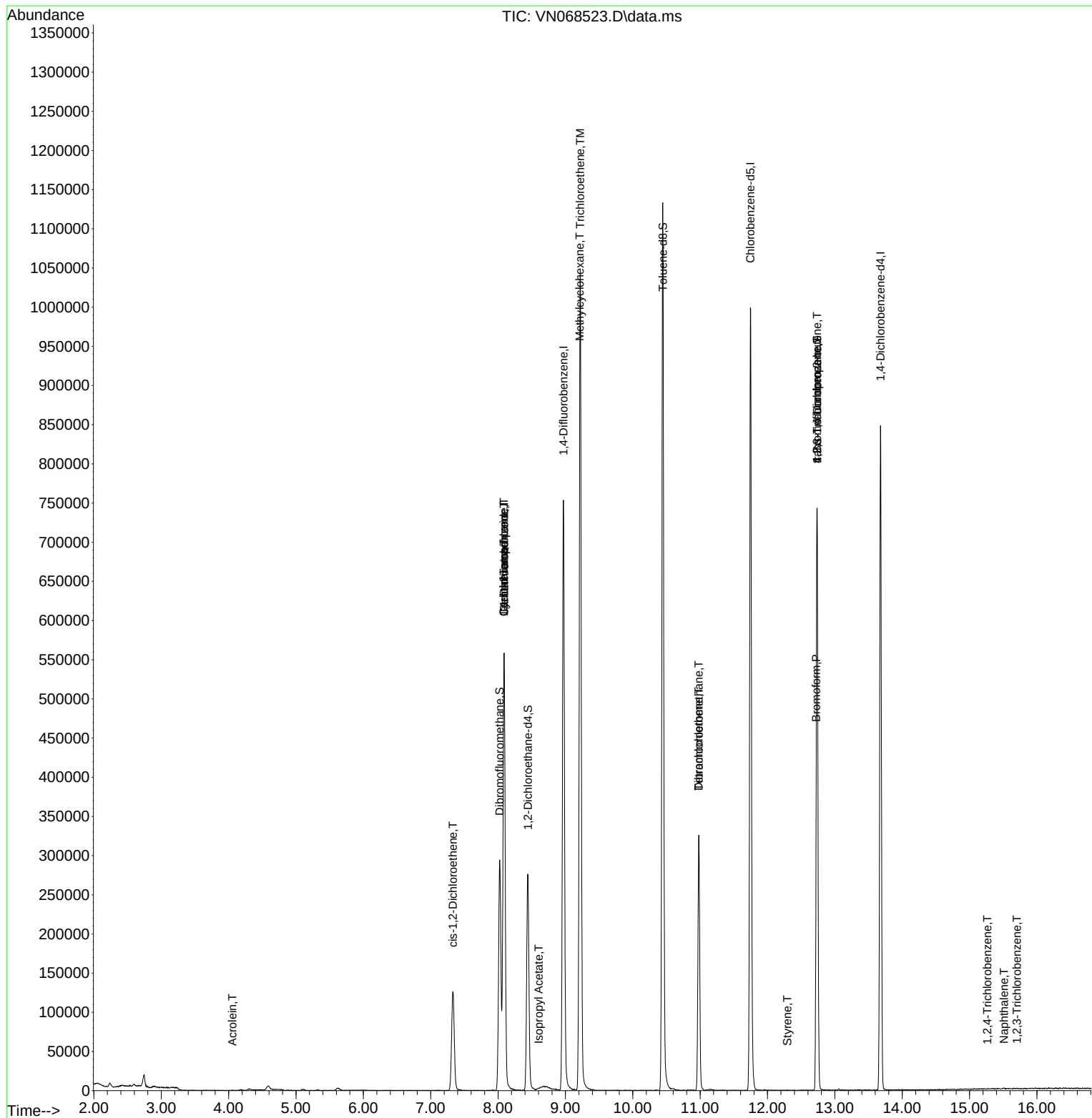
Internal Standards						
1) Pentafluorobenzene	8.091	168	471670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	753907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	670573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	262604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	240292	55.538	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.080%			
35) Dibromofluoromethane	8.024	113	220878	48.576	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.160%			
50) Toluene-d8	10.446	98	865482	46.665	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.340%			
62) 4-Bromofluorobenzene	12.736	95	251151	41.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.240%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	811	Below Cal	#	42
5) Bromomethane	2.834	94	137	Below Cal	#	3
11) Tert butyl alcohol	5.347	59	90	Below Cal	#	84
13) Acrolein	4.055	56	83	0.258 ug/l	#	14
16) Acetone	4.296	43	1435	Below Cal	#	84
18) Methyl Acetate	4.867	43	581	Below Cal	#	45
20) Methylene Chloride	5.098	84	784	Below Cal	#	83
27) cis-1,2-Dichloroethene	7.329	96	86019	17.311 ug/l		91
31) Cyclohexane	8.086	56	7931	1.210 ug/l	#	35
36) 1,1-Dichloropropene	8.086	75	29743	4.732 ug/l	#	48
38) Carbon Tetrachloride	8.086	117	44146	5.863 ug/l	#	15
39) Methylcyclohexane	9.212	83	4918	0.618 ug/l	#	1
43) Isopropyl Acetate	8.603	43	1695	0.201 ug/l	#	51
44) Trichloroethene	9.220	130	422864	71.785 ug/l		98
60) Dibromochloromethane	10.979	129	71647	12.092 ug/l	#	11
64) Tetrachloroethene	10.979	164	82534	13.887 ug/l		98
70) Styrene	12.296	104	82	1.759 ug/l	#	27
71) Bromoform	12.723	173	426	2.605 ug/l	#	29
76) 1,2,3-Trichloropropane	12.736	75	124217	34.047 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.736	75	124217	104.830 ug/l	#	13
93) 1,2,4-Trichlorobenzene	15.265	180	93	2.977 ug/l	#	11
95) Naphthalene	15.512	128	809	3.569 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.702	180	134	3.001 ug/l	#	72

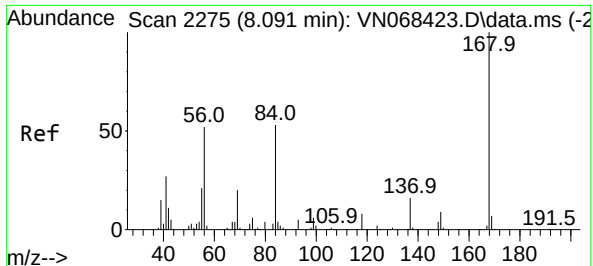
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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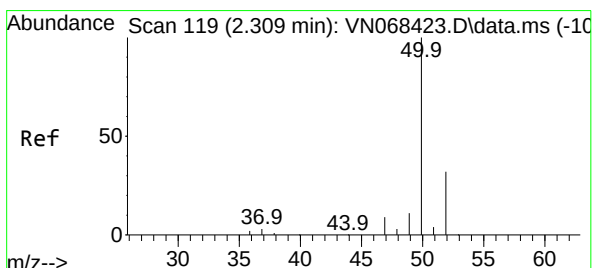
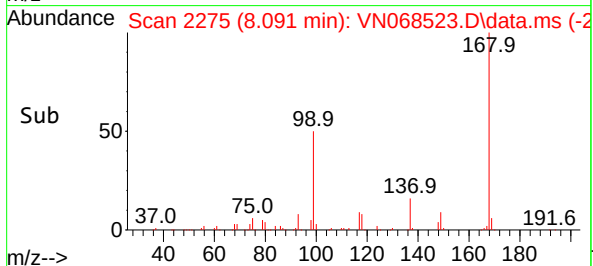
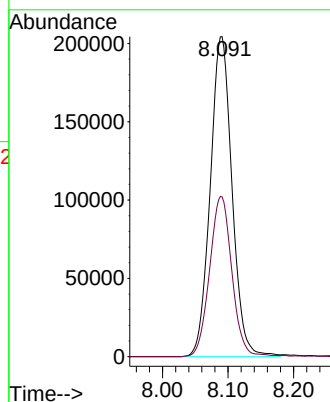
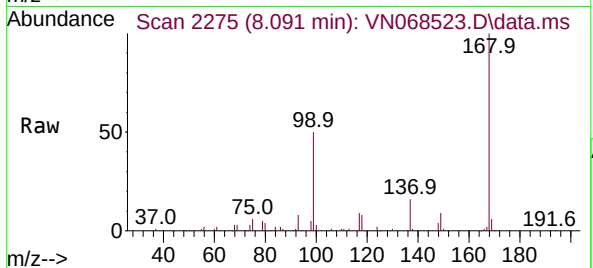




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

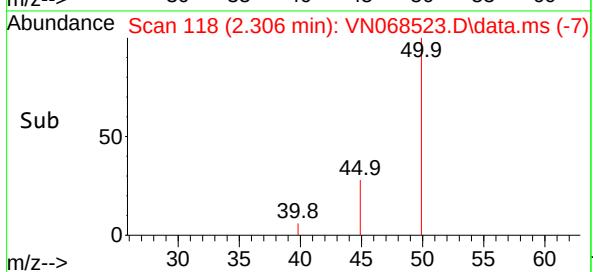
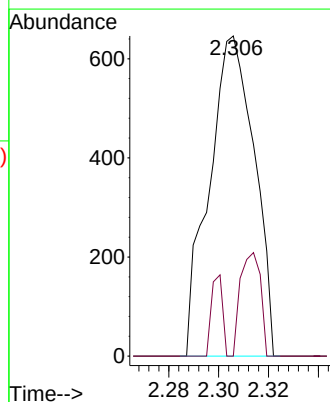
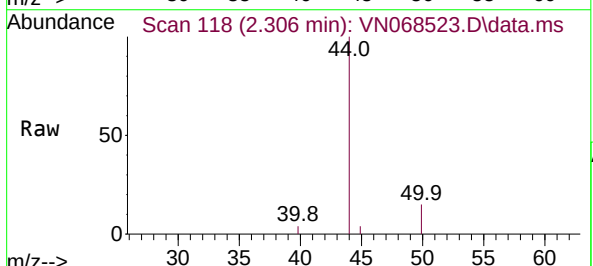
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

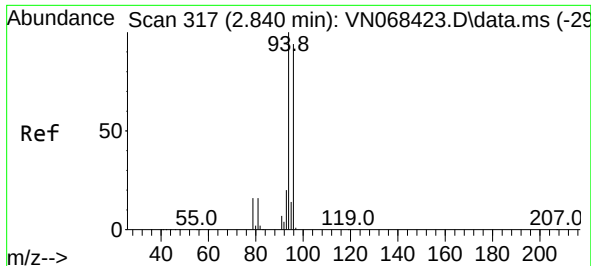
Tgt Ion:168 Resp: 471670
Ion Ratio Lower Upper
168 100
99 49.9 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 50 Resp: 811
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

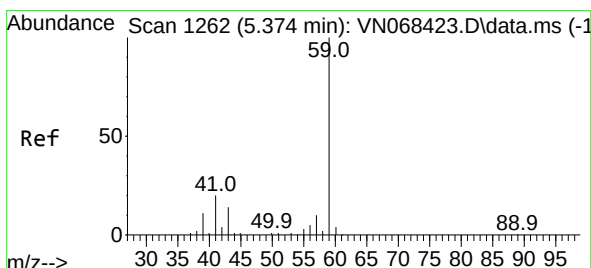
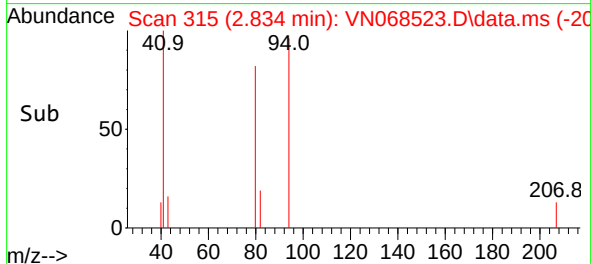
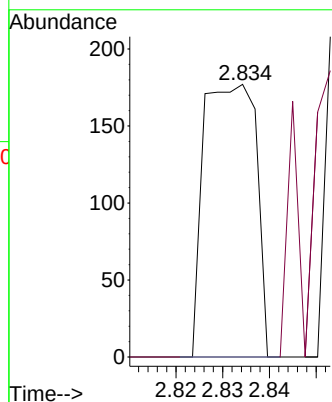
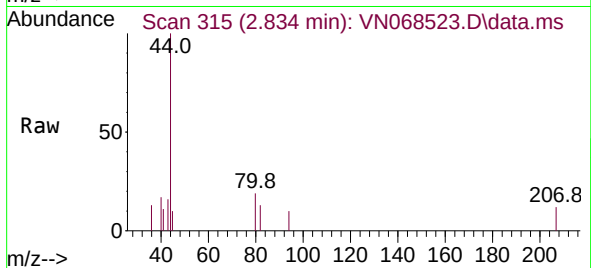




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 315
Delta R.T. -0.006 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

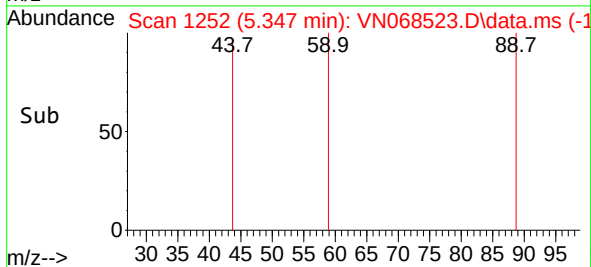
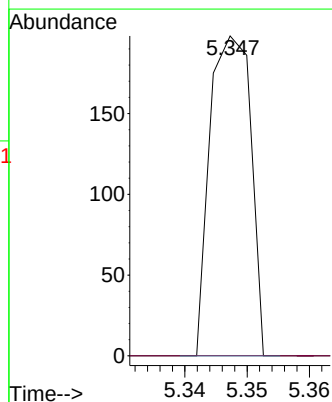
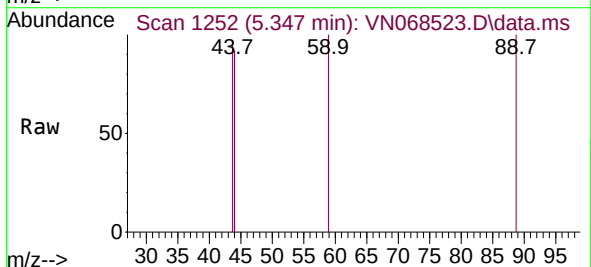
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

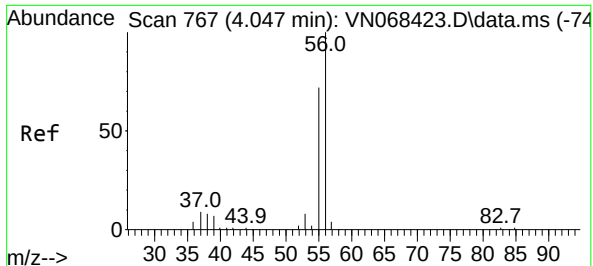
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.347 min Scan# 1252
Delta R.T. -0.027 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

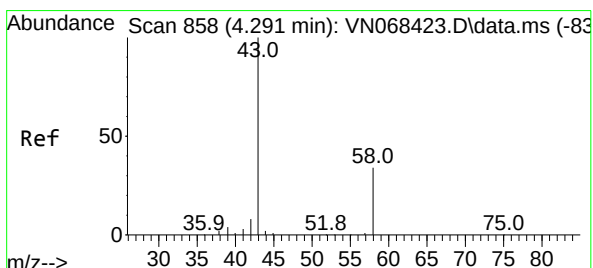
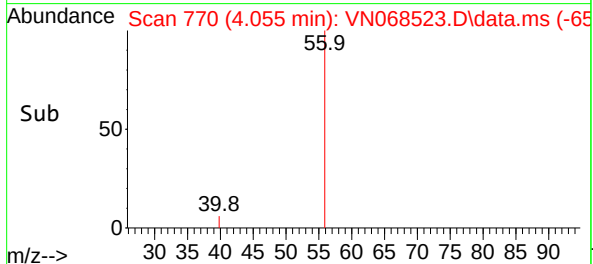
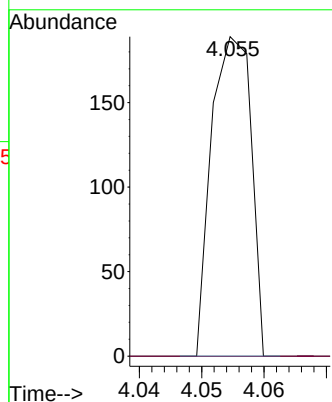
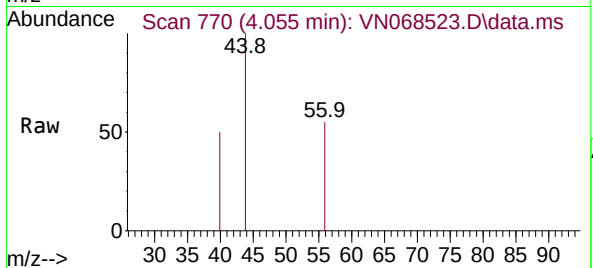




#13
Acrolein
Concen: 0.258 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.008 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

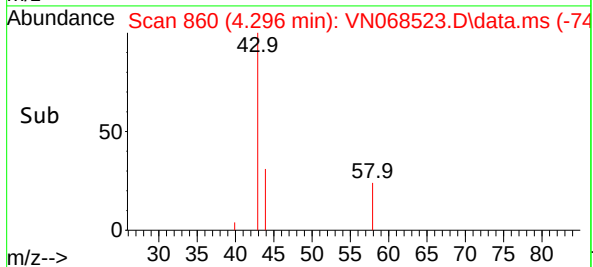
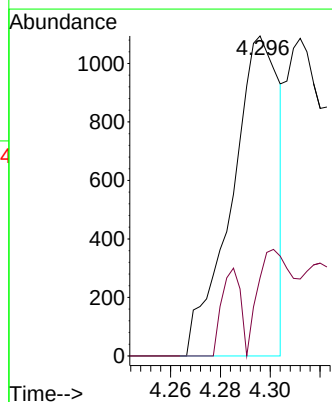
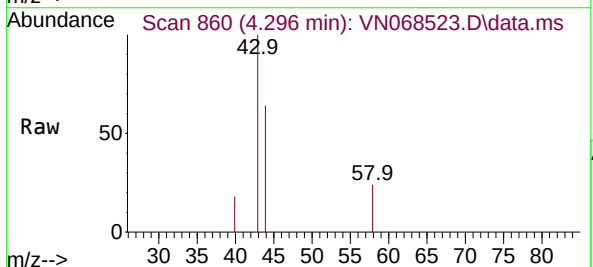
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

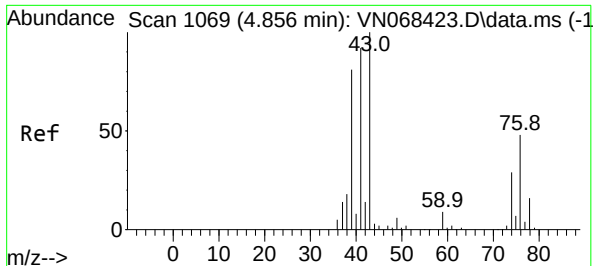
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 24.4 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.867 min Scan# 1073

Delta R.T. 0.011 min

Lab File: VN068523.D

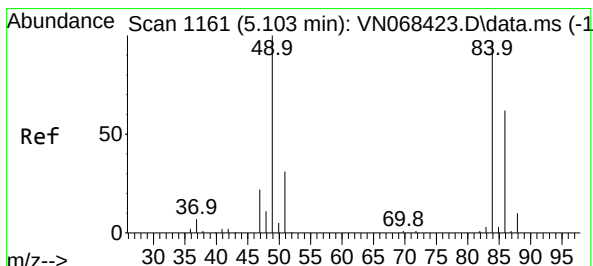
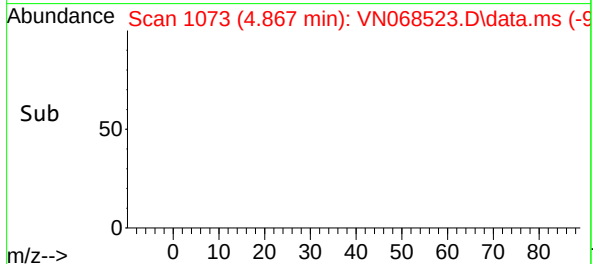
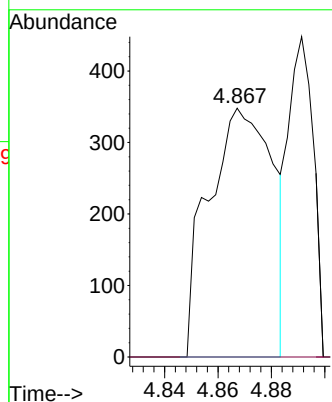
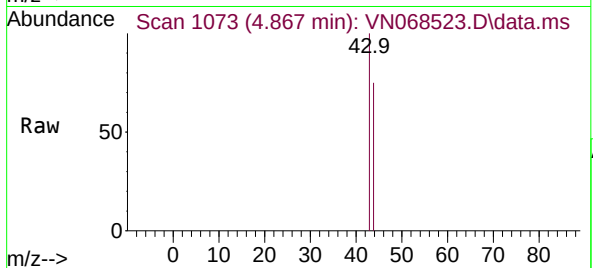
Acq: 17 Sep 2021 16:35

Tgt Ion: 43 Resp: 581

Ion Ratio Lower Upper

43 100

74 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.098 min Scan# 1159

Delta R.T. -0.005 min

Lab File: VN068523.D

Acq: 17 Sep 2021 16:35

Tgt Ion: 84 Resp: 784

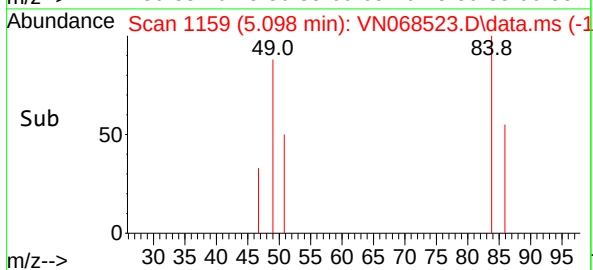
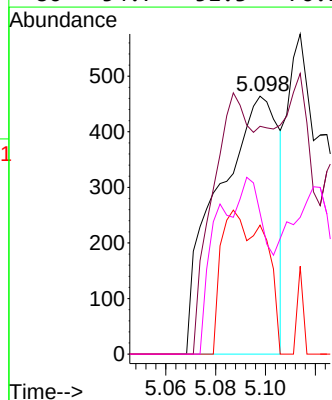
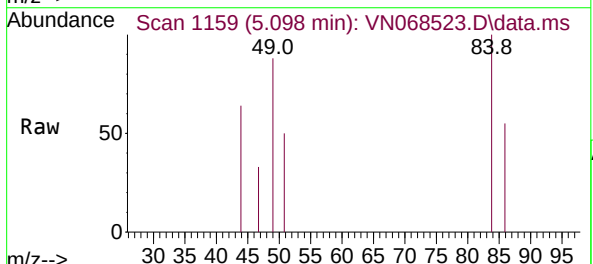
Ion Ratio Lower Upper

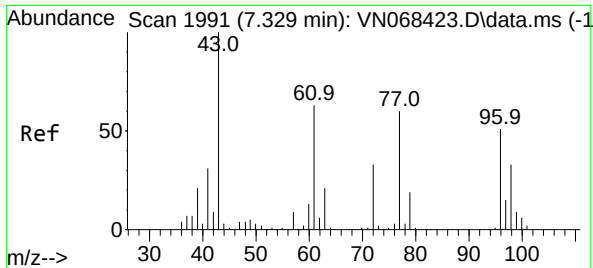
84 100

49 88.4 83.0 124.6

51 50.0 25.4 38.0#

86 54.7 51.3 76.9

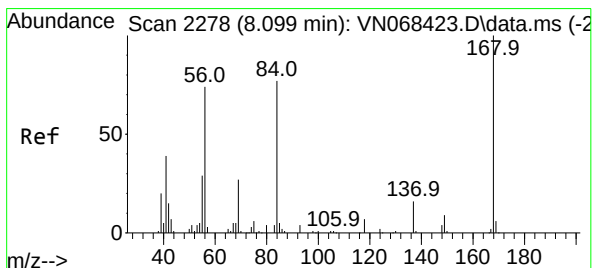
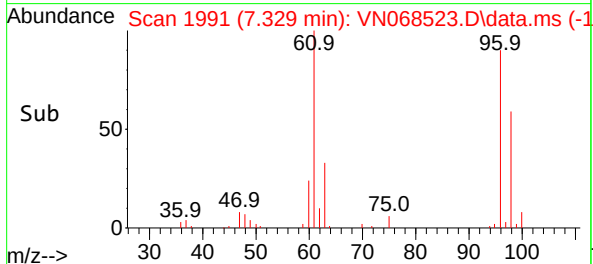
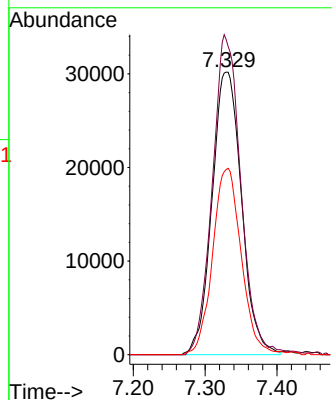
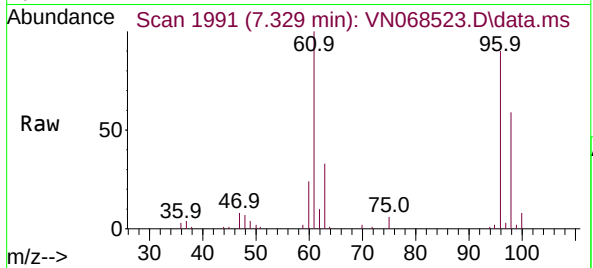




#27
 cis-1,2-Dichloroethene
 Concen: 17.311 ug/l
 RT: 7.329 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: VN068523.D
 Acq: 17 Sep 2021 16:35

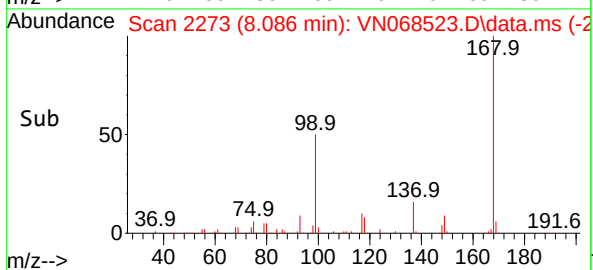
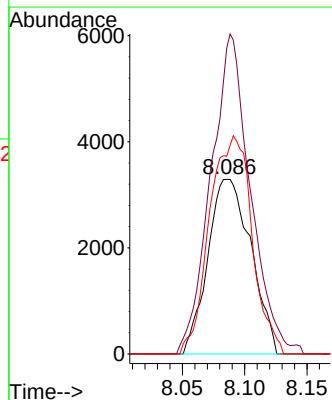
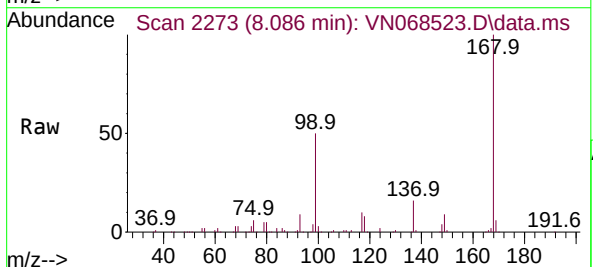
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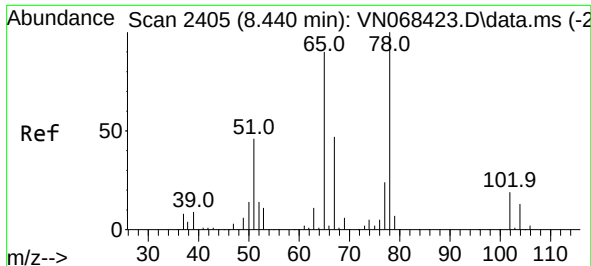
Tgt Ion:	96	Resp:	86019
Ion	Ratio	Lower	Upper
96	100		
61	108.1	0.0	246.4
98	63.7	0.0	130.4



#31
 Cyclohexane
 Concen: 1.210 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.013 min
 Lab File: VN068523.D
 Acq: 17 Sep 2021 16:35

Tgt Ion:	56	Resp:	7931
Ion	Ratio	Lower	Upper
56	100		
69	170.2	29.4	44.0#
84	113.3	83.6	125.4

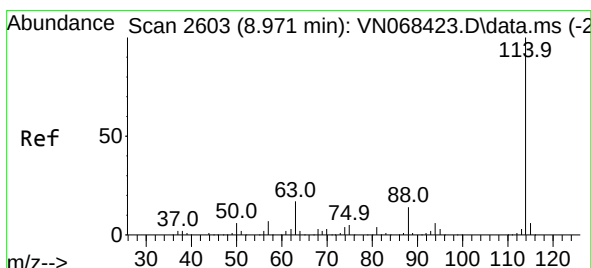
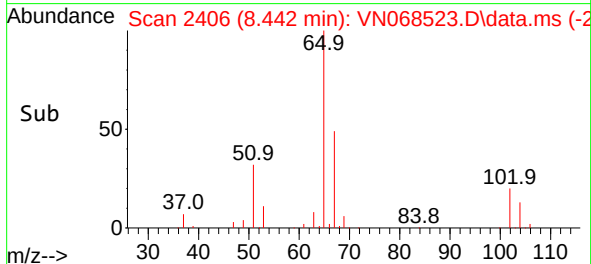
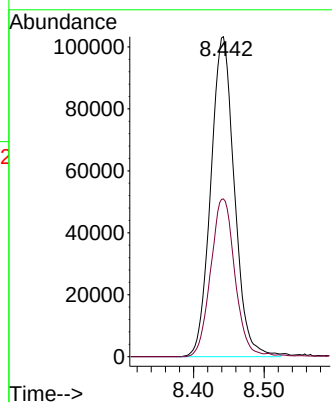
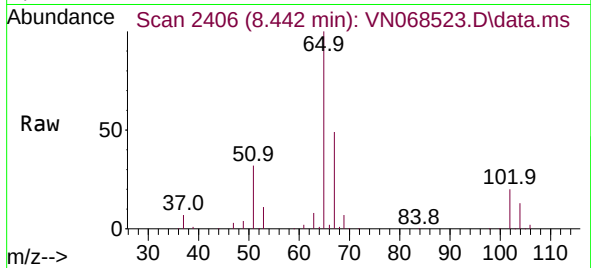




#33
 1,2-Dichloroethane-d4
 Concen: 55.538 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN068523.D
 Acq: 17 Sep 2021 16:35

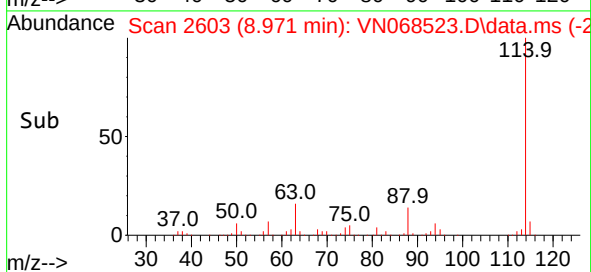
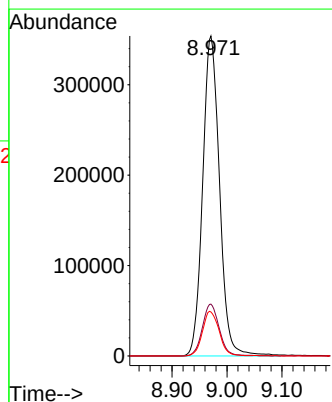
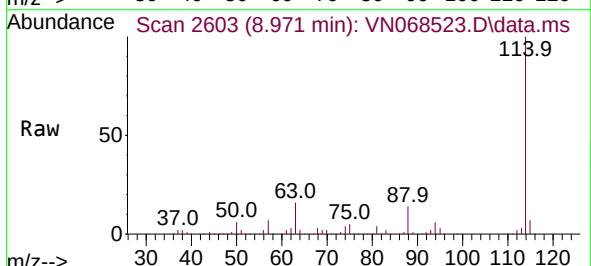
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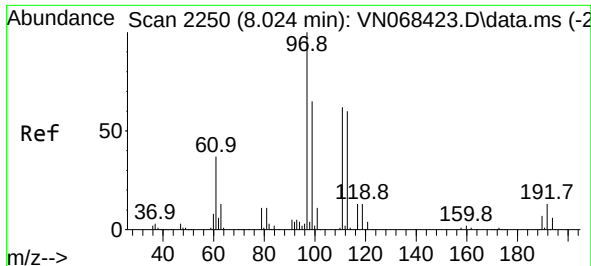
Tgt Ion: 65 Resp: 240292
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068523.D
 Acq: 17 Sep 2021 16:35

Tgt Ion: 114 Resp: 753907
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 33.2
 88 13.7 0.0 28.4

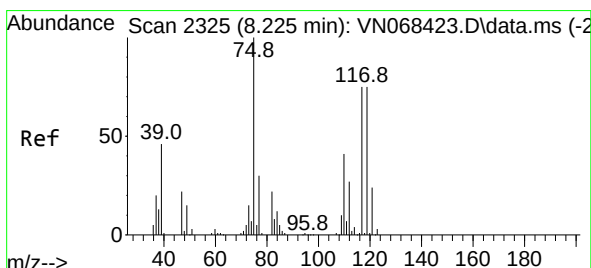
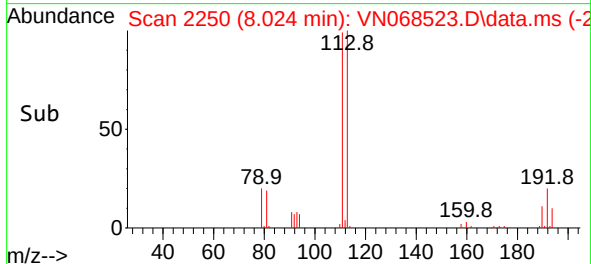
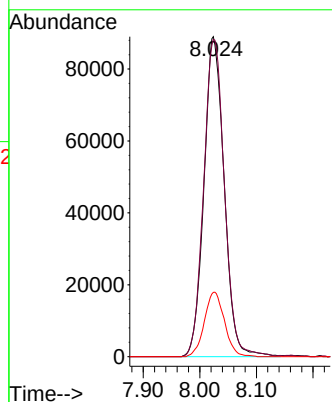
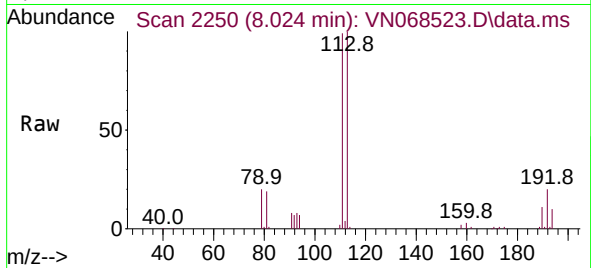




#35
Dibromofluoromethane
Concen: 48.576 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

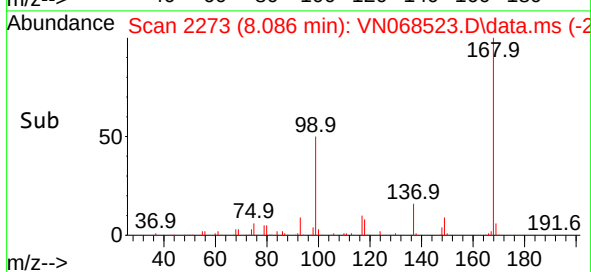
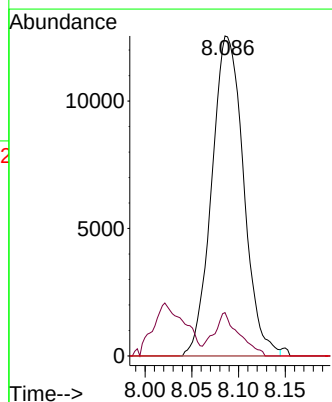
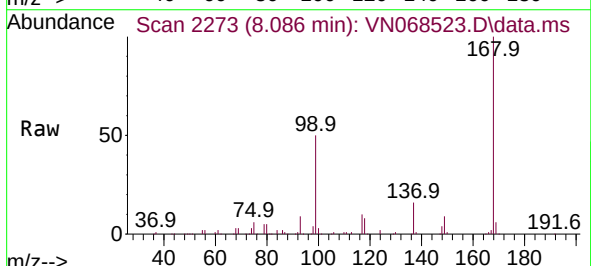
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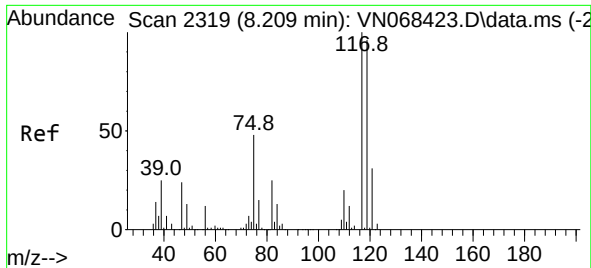
Tgt Ion:113 Resp: 220878
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 20.1 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 75 Resp: 29743
Ion Ratio Lower Upper
75 100
110 10.7 20.8 62.5#
77 0.0 25.0 37.6#

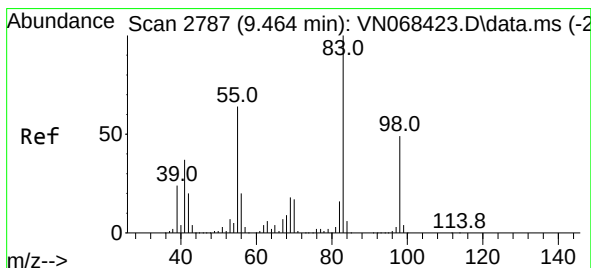
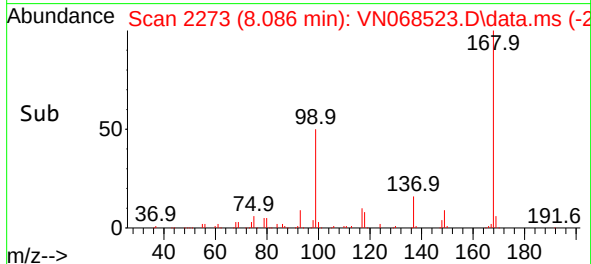
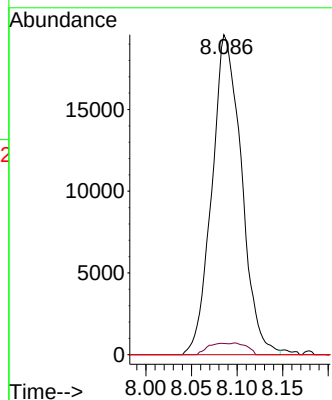
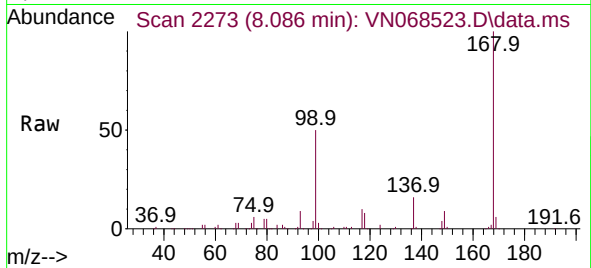




#38
Carbon Tetrachloride
Concen: 5.863 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

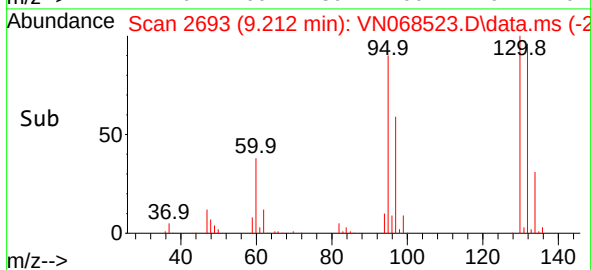
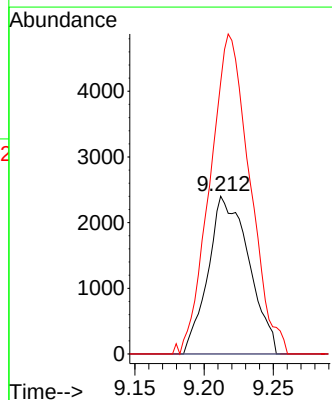
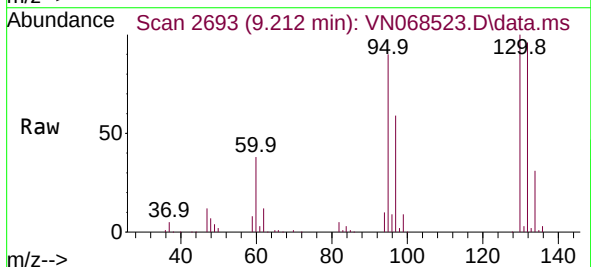
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

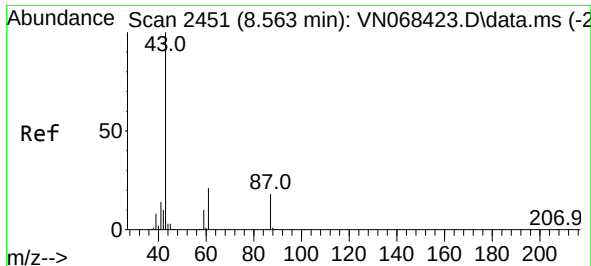
Tgt Ion:117 Resp: 44146
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.618 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.252 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

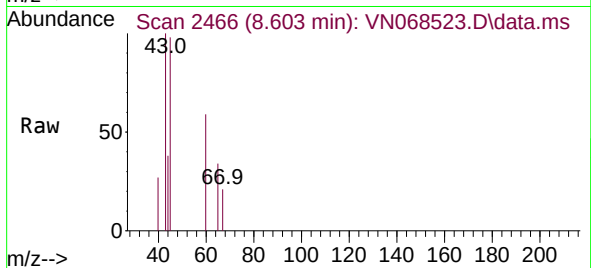
Tgt Ion: 83 Resp: 4918
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 159.3 39.5 59.3#



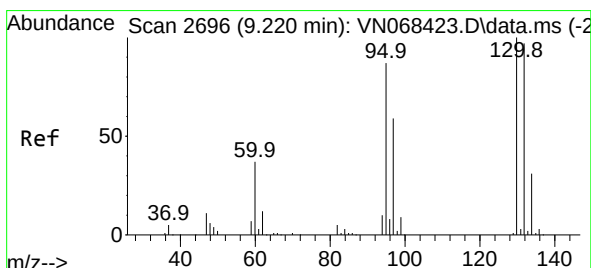
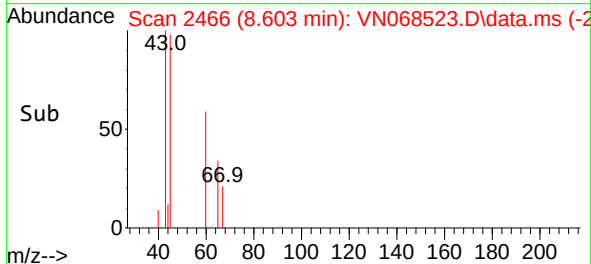
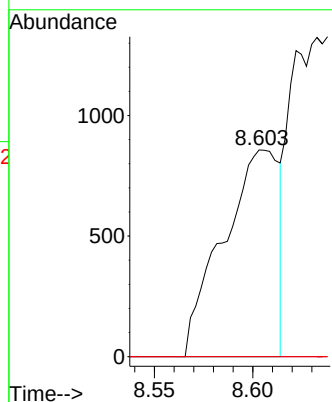


#43
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 8.603 min Scan# 2466
Delta R.T. 0.040 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

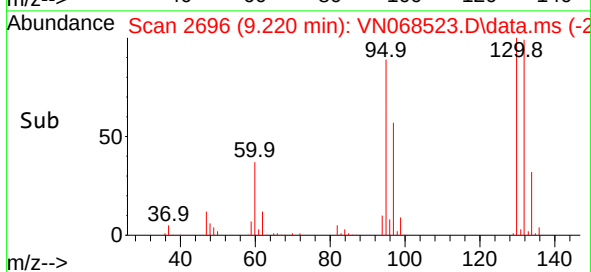
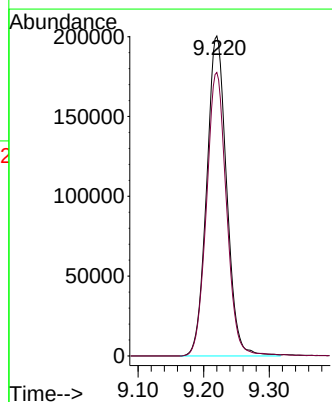
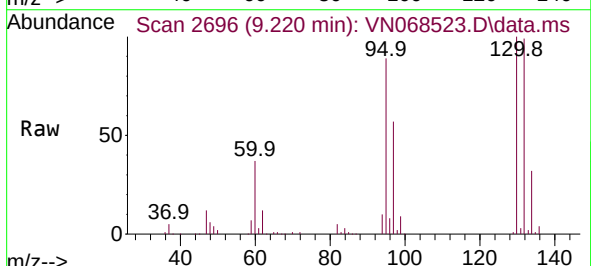


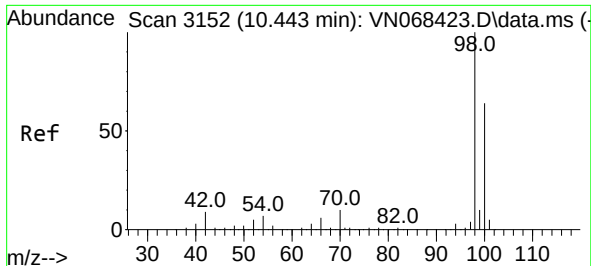
Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#



#44
Trichloroethene
Concen: 71.785 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 130 Resp: 422864
Ion Ratio Lower Upper
130 100
95 88.6 0.0 173.8

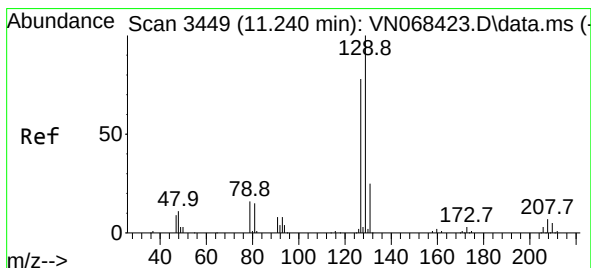
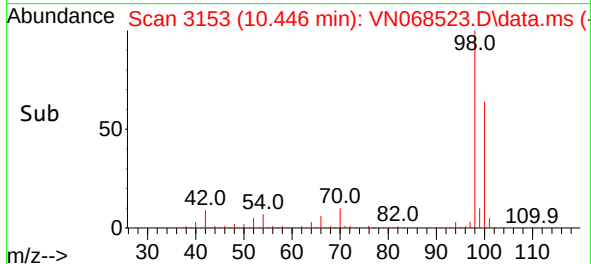
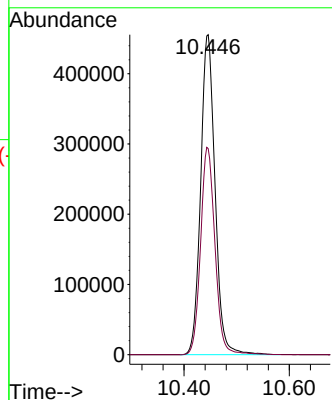
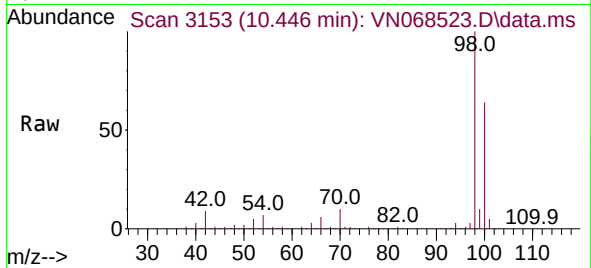




#50
Toluene-d8
Concen: 46.665 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

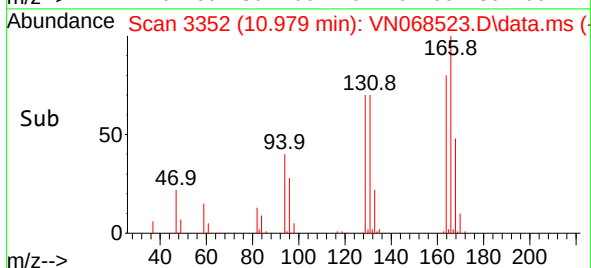
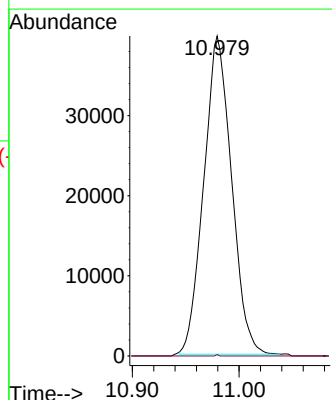
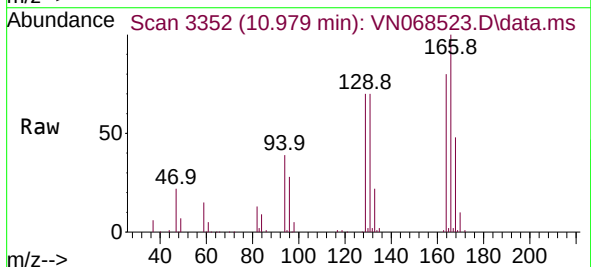
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

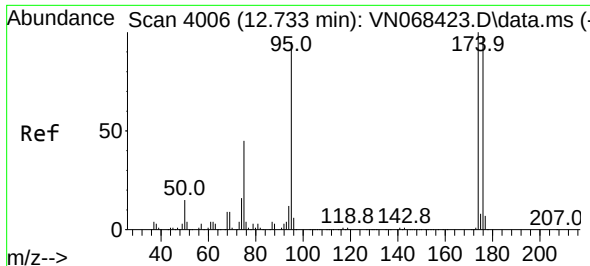
Tgt Ion: 98 Resp: 865482
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



#60
Dibromochloromethane
Concen: 12.092 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 129 Resp: 71647
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

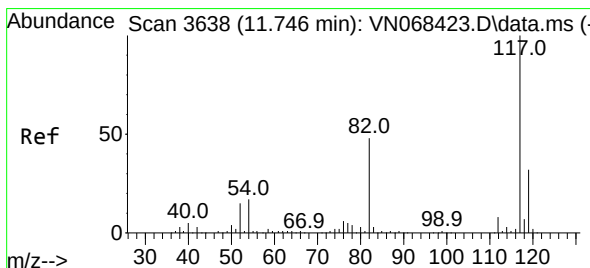
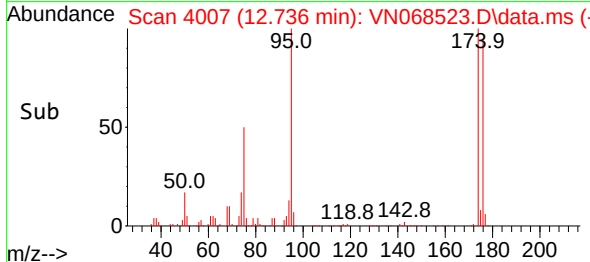
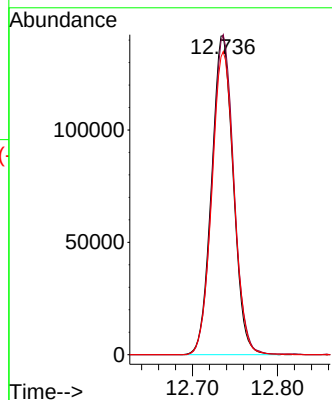
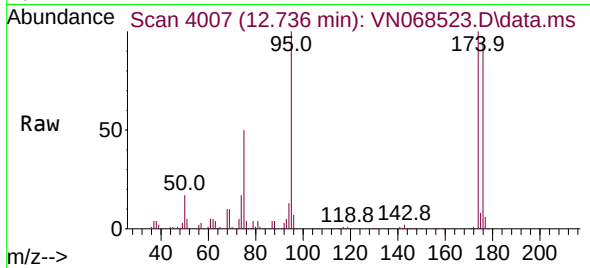




#62
4-Bromofluorobenzene
Concen: 41.615 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

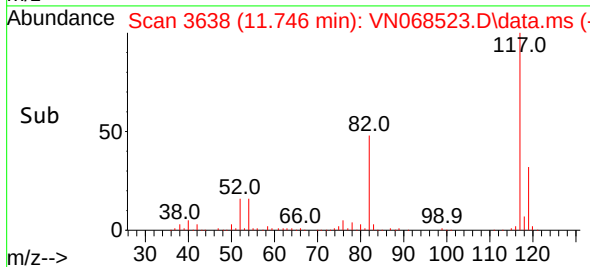
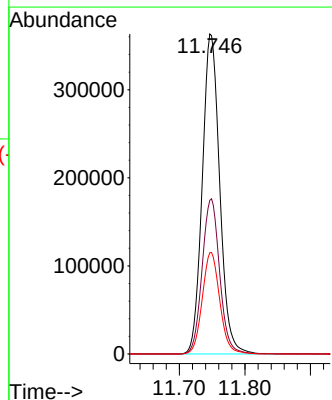
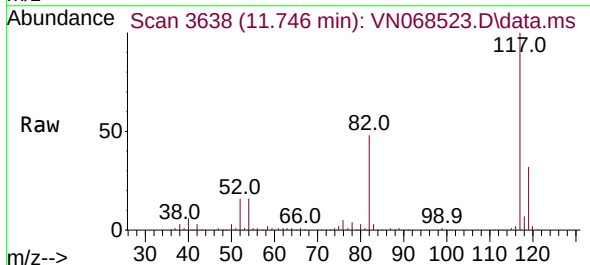
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

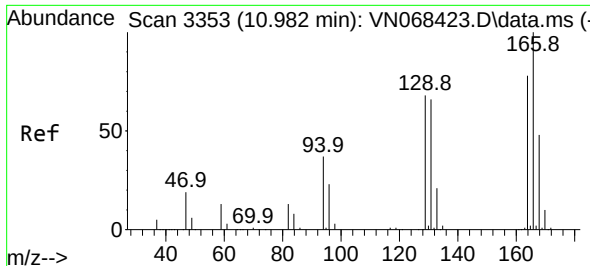
Tgt Ion: 95 Resp: 251151
Ion Ratio Lower Upper
95 100
174 100.8 0.0 214.0
176 97.0 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 117 Resp: 670573
Ion Ratio Lower Upper
117 100
82 48.0 38.7 58.1
119 31.6 25.5 38.3

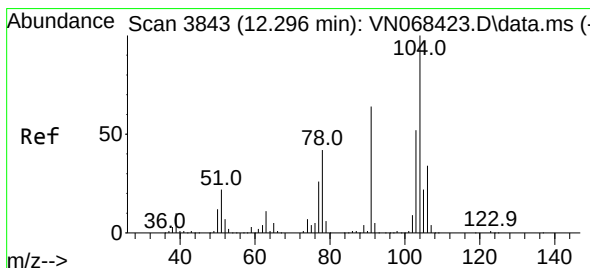
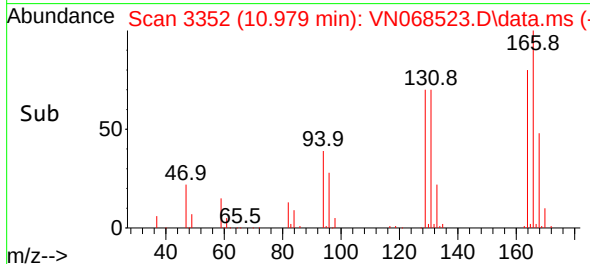
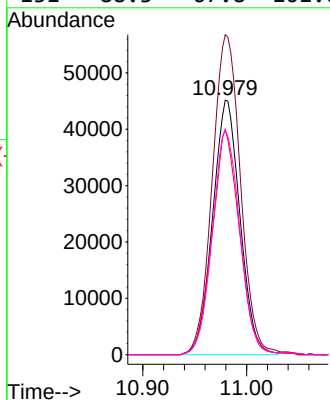
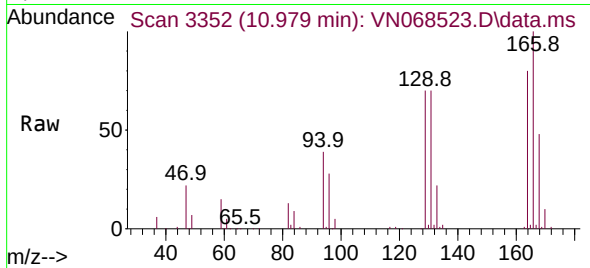




#64
Tetrachloroethene
Concen: 13.887 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

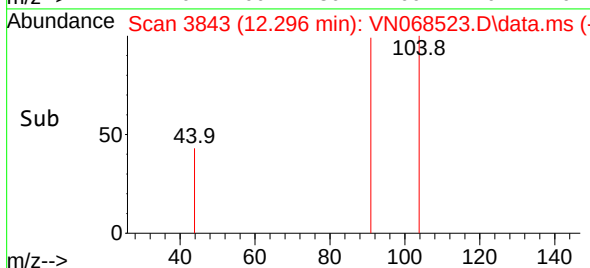
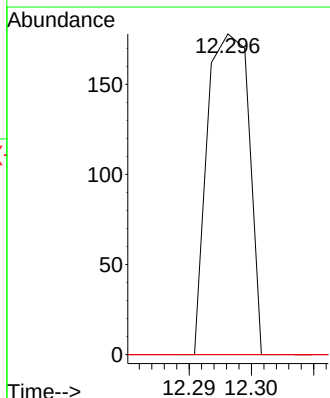
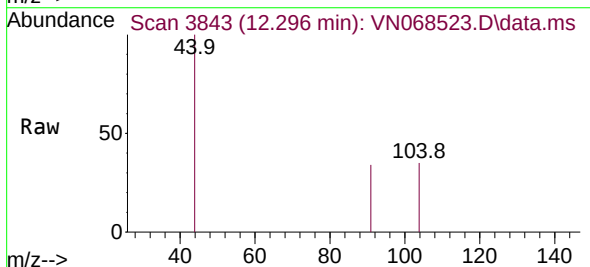
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

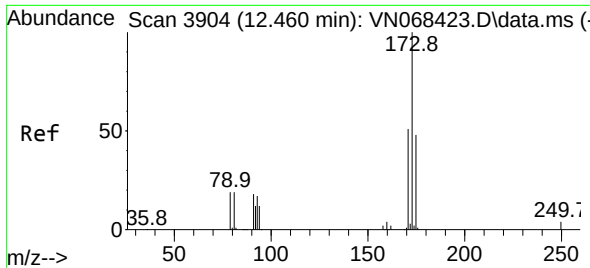
Tgt Ion:164 Resp: 82534
Ion Ratio Lower Upper
164 100
166 125.7 102.9 154.3
129 88.4 70.1 105.1
131 88.3 67.8 101.6



#70
Styrene
Concen: 1.759 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion:104 Resp: 82
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#

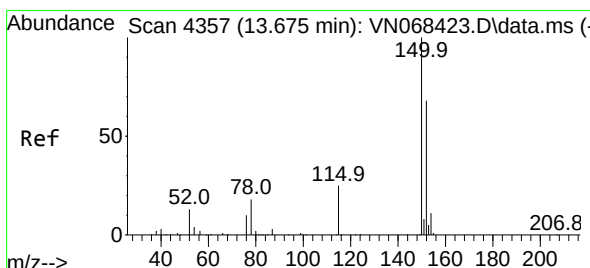
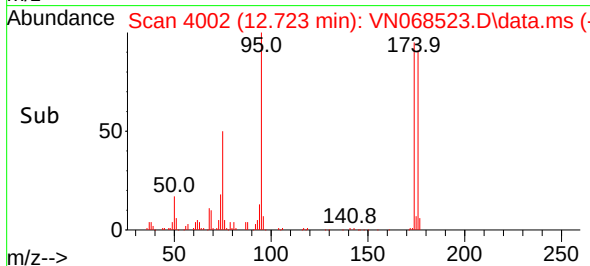
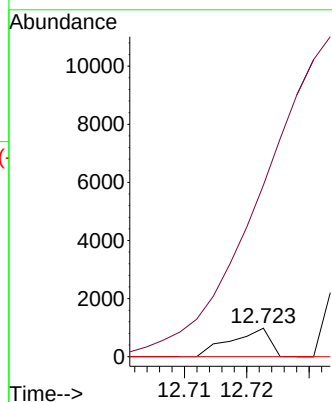
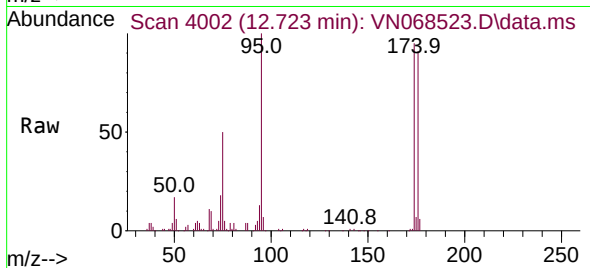




#71
Bromoform
Concen: 2.605 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

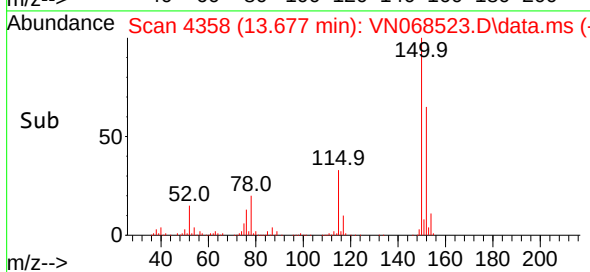
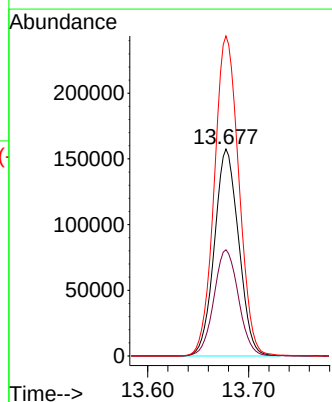
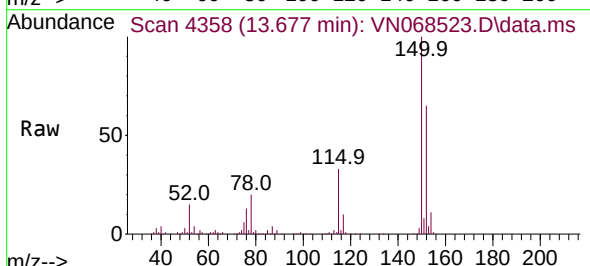
Instrument :
MSVOA_N
ClientSampleId :
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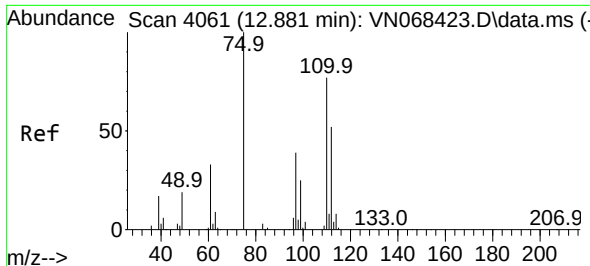
Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion:152 Resp: 262604
Ion Ratio Lower Upper
152 100
115 52.1 25.6 76.6
150 156.7 0.0 346.8

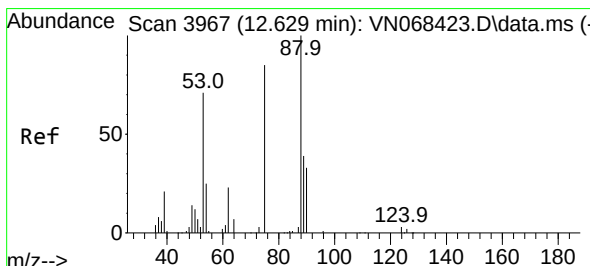
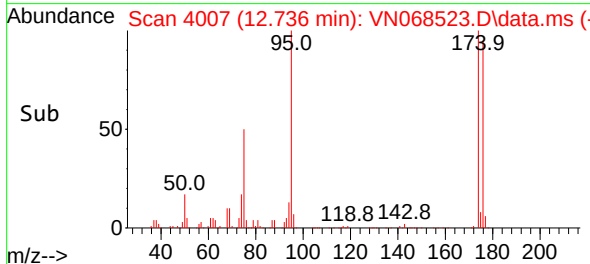
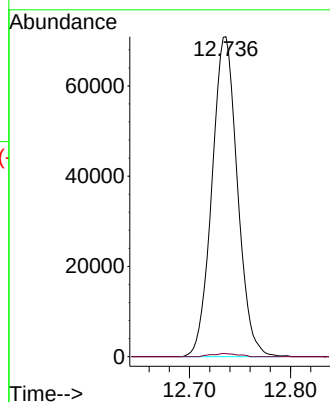
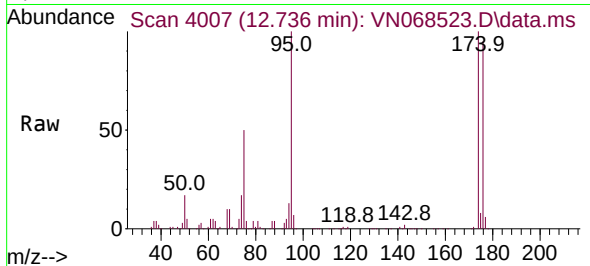




#76
1,2,3-Trichloropropane
Concen: 34.047 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

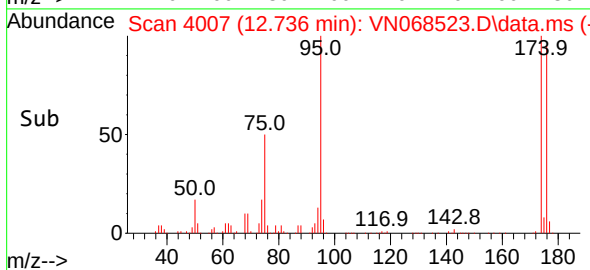
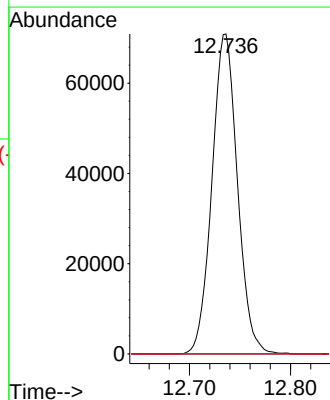
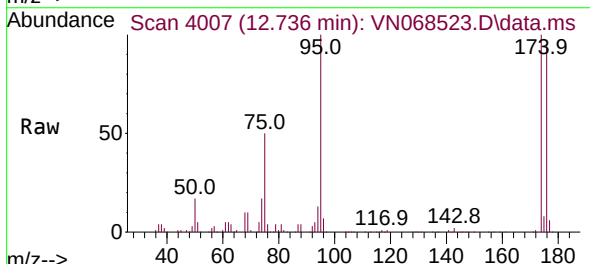
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

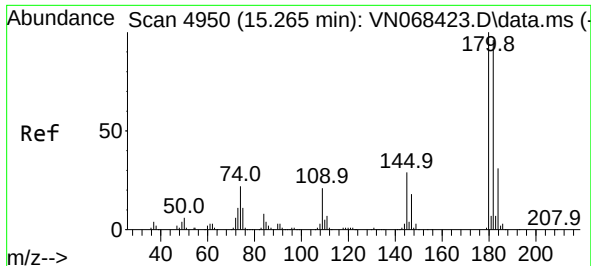
Tgt Ion: 75 Resp: 124217
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.830 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion: 75 Resp: 124217
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

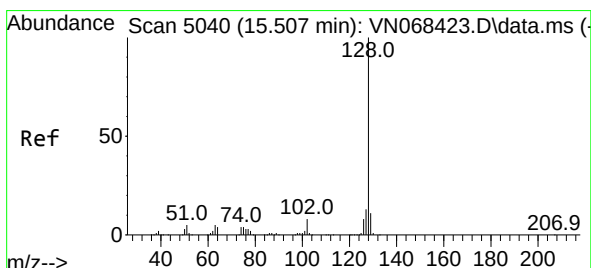
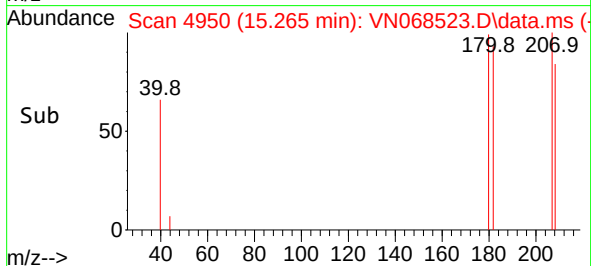
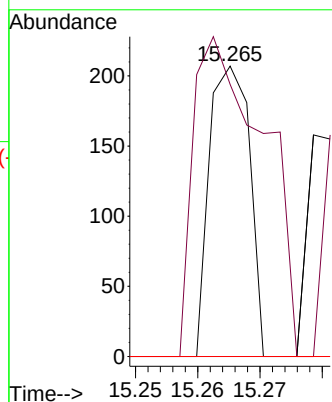
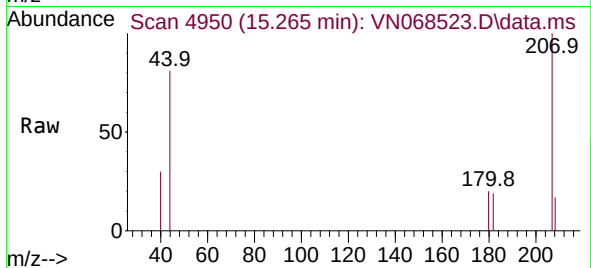




#93
1,2,4-Trichlorobenzene
Concen: 2.977 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

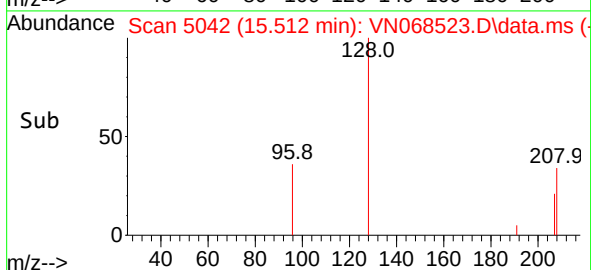
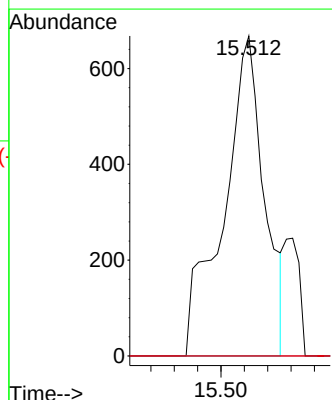
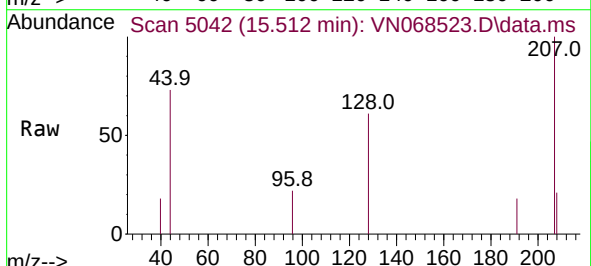
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20210915

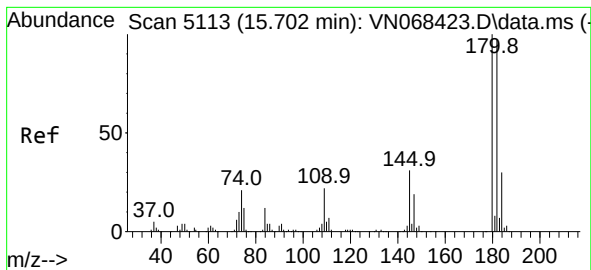
Tgt Ion:	180	Resp:	93
Ion	Ratio	Lower	Upper
180	100		
182	191.4	47.5	142.6#
145	0.0	14.1	42.4#



#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068523.D
Acq: 17 Sep 2021 16:35

Tgt Ion:	128	Resp:	809
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: 3.001 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068523.D
 Acq: 17 Sep 2021 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20210915

Tgt Ion:	180	Resp:	134
Ion	Ratio	Lower	Upper
180	100		
182	114.9	47.9	143.6
145	0.0	15.2	45.5#

