

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068766.D
 Acq On : 30 Sep 2021 16:39
 Operator : JC/MD
 Sample : M3915-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

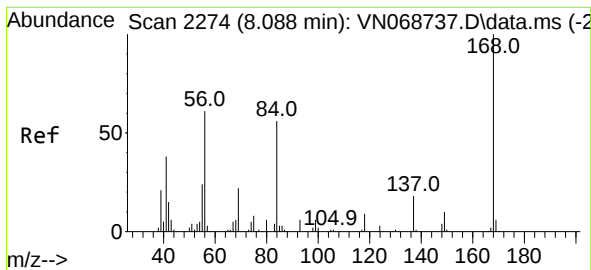
Instrument :
 MSVOA_N
 ClientSampleId :
 RW3-MW1-20210921RE

Quant Time: Oct 01 01:56:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	521488	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	888243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	701300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	257634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	361092	49.696	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.400%		
35) Dibromofluoromethane	8.024	113	279646	50.671	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.340%		
50) Toluene-d8	10.443	98	1051071	52.118	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.240%		
62) 4-Bromofluorobenzene	12.731	95	278740	39.777	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	79.560%		
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	1151	Below Cal	#	74
5) Bromomethane	2.869	94	1640	Below Cal	#	74
6) Chloroethane	3.014	64	633	Below Cal	#	44
7) Trichlorofluoromethane	3.180	101	24	Below Cal	#	18
10) Methyl Iodide	4.419	142	178	1.384	ug/l #	33
13) Acrolein	4.039	56	62	Below Cal	#	14
16) Acetone	4.299	43	3070	Below Cal	#	82
17) Carbon Disulfide	4.529	76	663	Below Cal	#	74
20) Methylene Chloride	5.103	84	2344	0.372	ug/l #	62
31) Cyclohexane	8.088	56	13913	Below Cal	#	22
36) 1,1-Dichloropropene	8.086	75	45988	5.505	ug/l #	52
38) Carbon Tetrachloride	8.091	117	57202	5.764	ug/l #	16
44) Trichloroethene	9.217	130	51072	7.522	ug/l	86
49) 1,4-Dioxane	9.563	88	121	1.224	ug/l #	1
51) 4-Methyl-2-Pentanone	10.325	43	2062	0.234	ug/l #	75
56) Ethyl methacrylate	10.768	69	307	1.851	ug/l #	80
59) 2-Hexanone	11.095	43	3747	0.617	ug/l	94
60) Dibromochloromethane	10.982	129	2518	0.331	ug/l #	11
64) Tetrachloroethene	10.979	164	2629	0.502	ug/l #	87
74) N-amyl acetate	12.396	43	2396	0.323	ug/l #	84
76) 1,2,3-Trichloropropane	12.731	75	163465	28.530	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.731	75	163465	82.938	ug/l #	6
91) 1,2-Dichlorobenzene	13.994	146	2057	0.220	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.611	75	284	0.234	ug/l	72
93) 1,2,4-Trichlorobenzene	15.268	180	2972	0.699	ug/l	83
95) Naphthalene	15.507	128	10935	2.321	ug/l	97
96) 1,2,3-Trichlorobenzene	15.694	180	1853	0.455	ug/l #	24

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068766.D

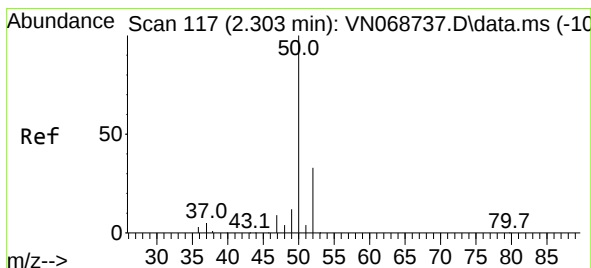
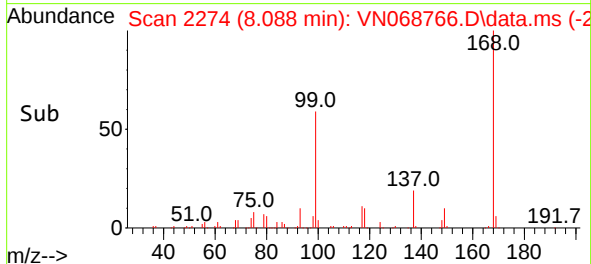
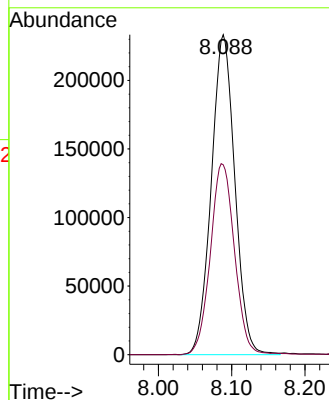
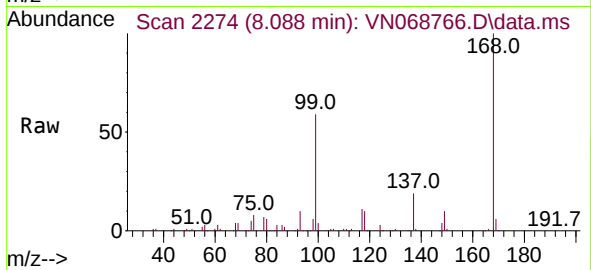
Acq: 30 Sep 2021 16:39

Tgt Ion:168 Resp: 521488

Ion Ratio Lower Upper

168 100

99 59.4 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

Lab File: VN068766.D

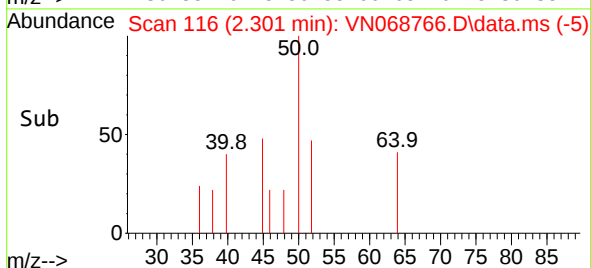
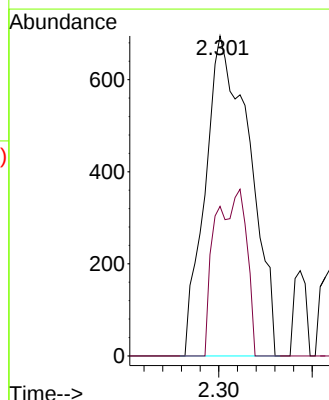
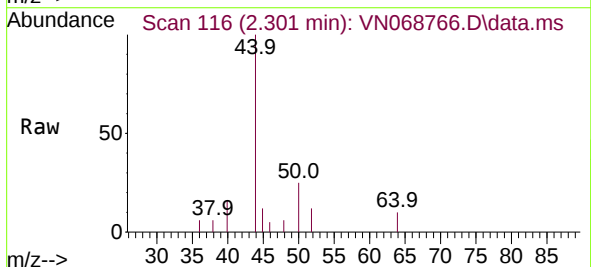
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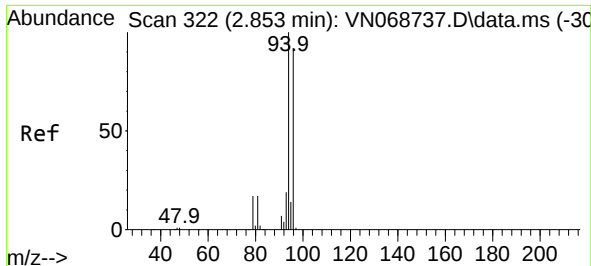
Tgt Ion: 50 Resp: 1151

Ion Ratio Lower Upper

50 100

52 46.8 25.6 38.4#

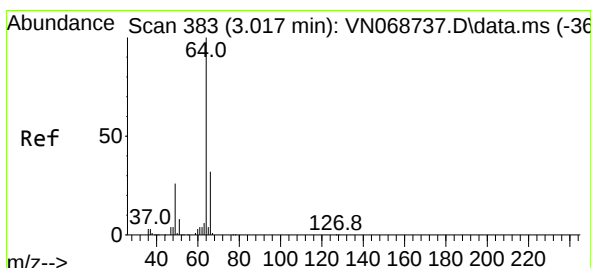
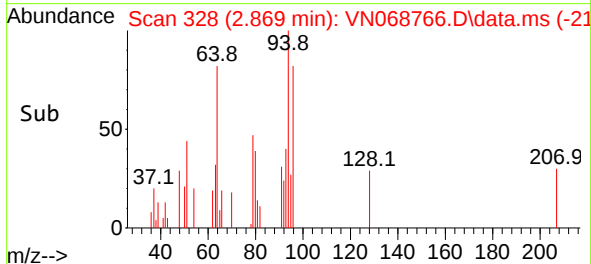
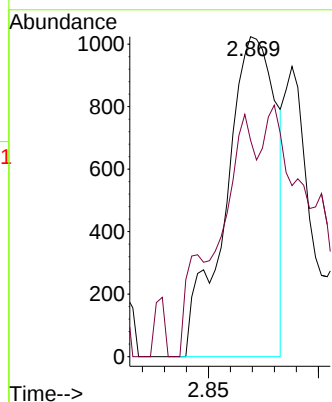
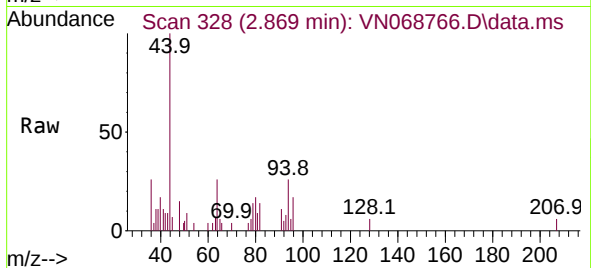




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 328
Delta R.T. 0.016 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

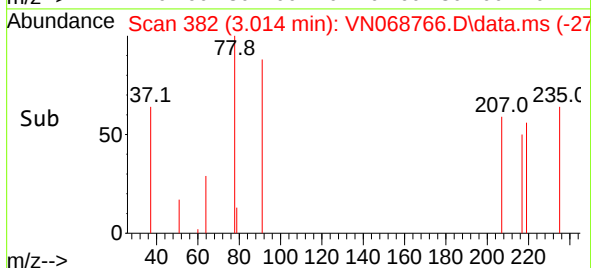
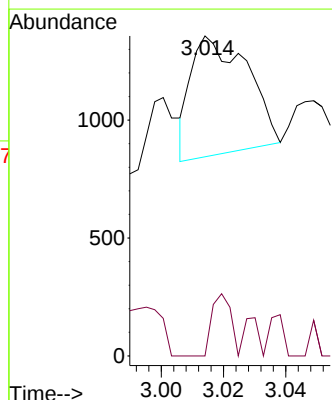
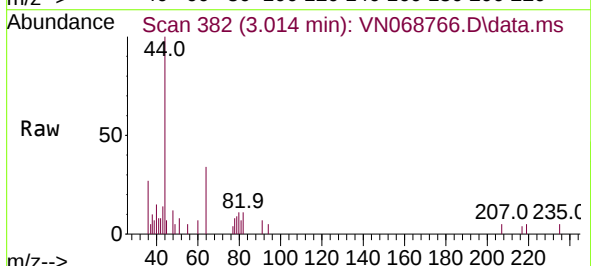
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

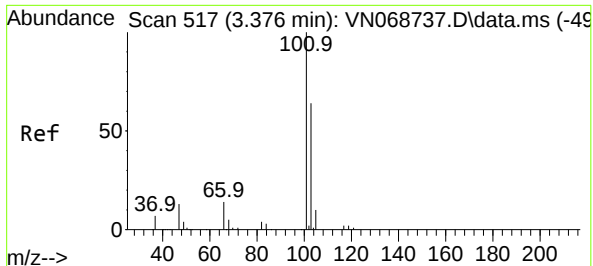
Tgt Ion: 94 Resp: 1640
Ion Ratio Lower Upper
94 100
96 67.6 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. -0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

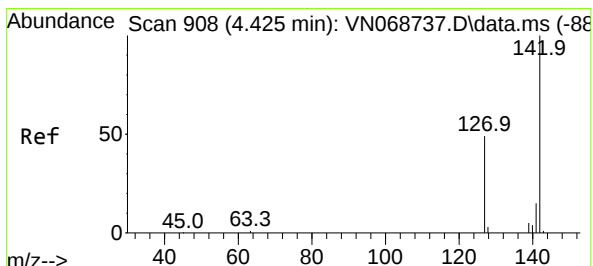
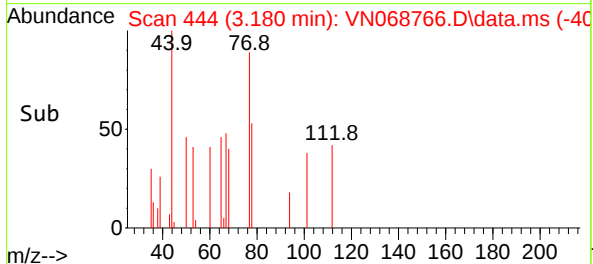
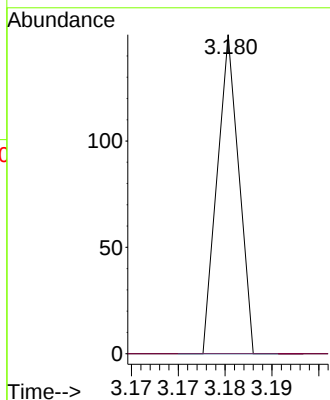
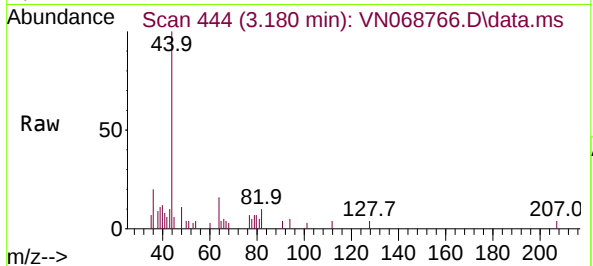




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.180 min Scan# 444
Delta R.T. -0.196 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

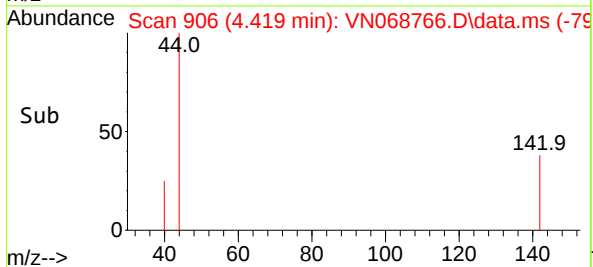
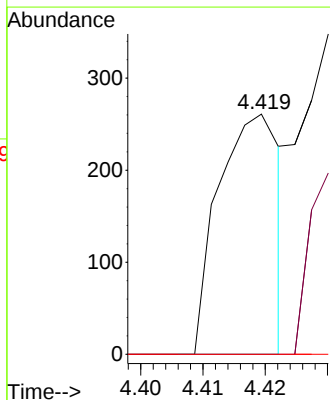
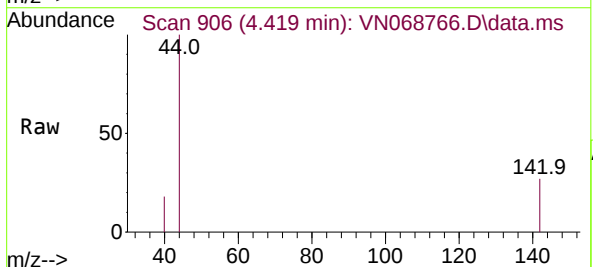
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

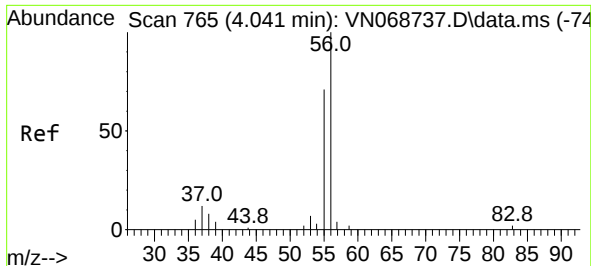
Tgt Ion:101 Resp: 24
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#10
Methyl Iodide
Concen: 1.384 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

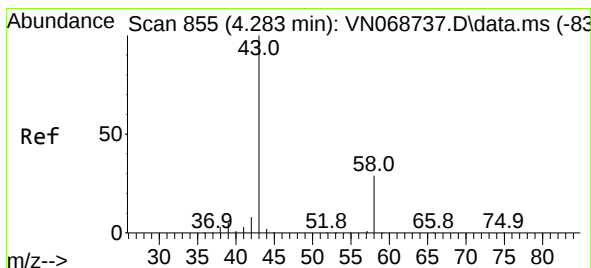
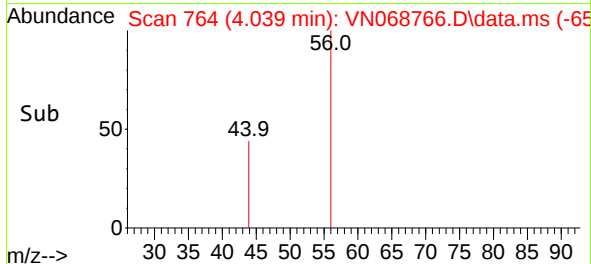
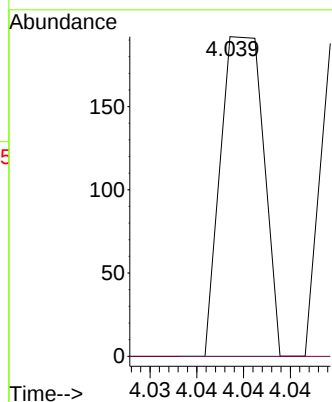
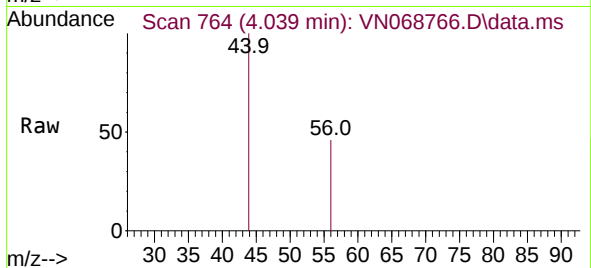




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

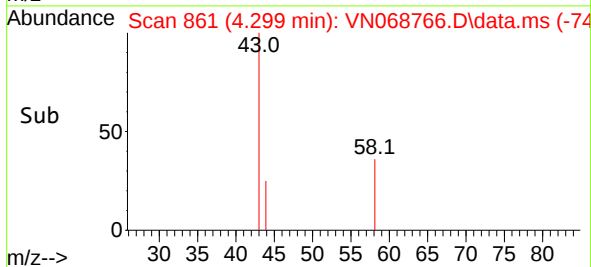
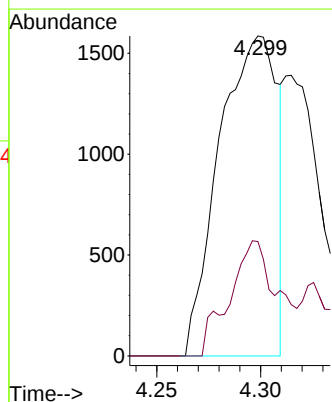
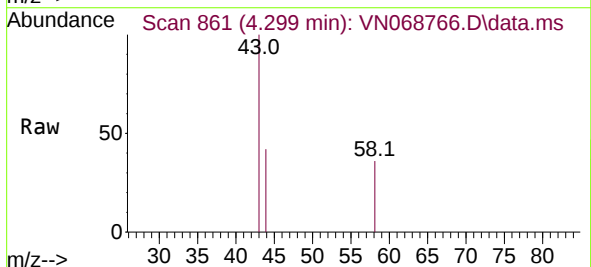
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

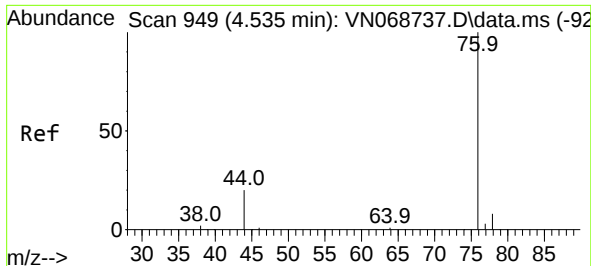
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 43 Resp: 3070
Ion Ratio Lower Upper
43 100
58 35.8 21.2 31.8#

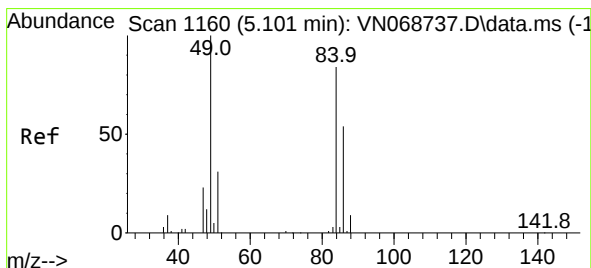
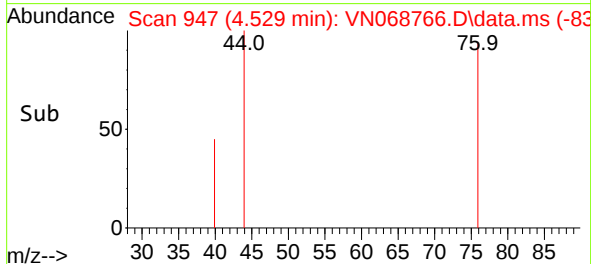
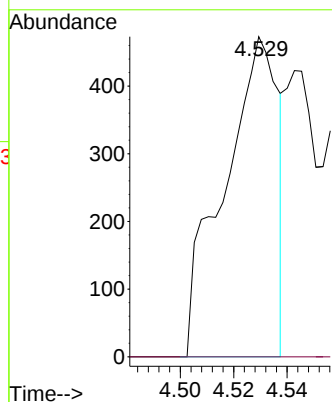
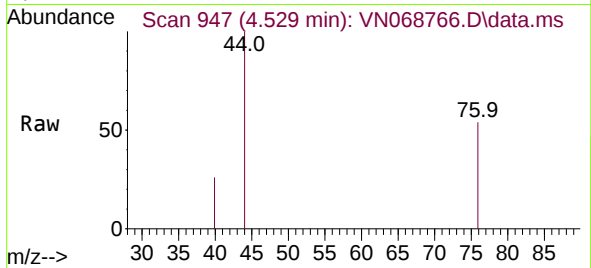




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

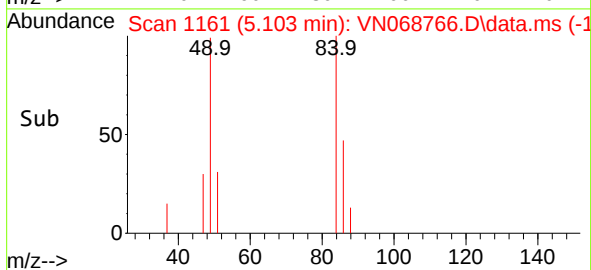
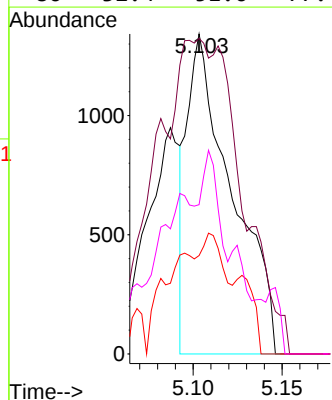
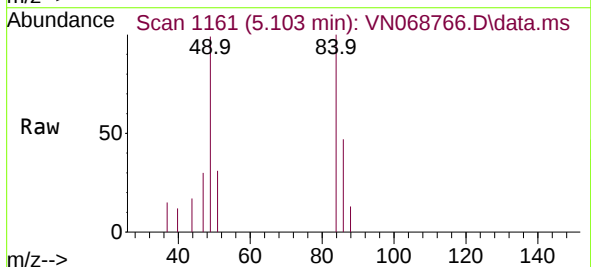
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

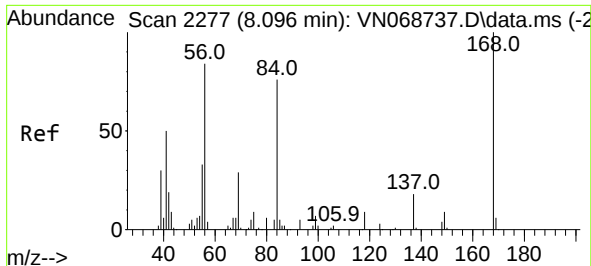
Tgt Ion: 76 Resp: 663
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 84 Resp: 2344
Ion Ratio Lower Upper
84 100
49 86.5 110.9 166.3#
51 30.8 32.6 49.0#
86 32.4 51.6 77.4#

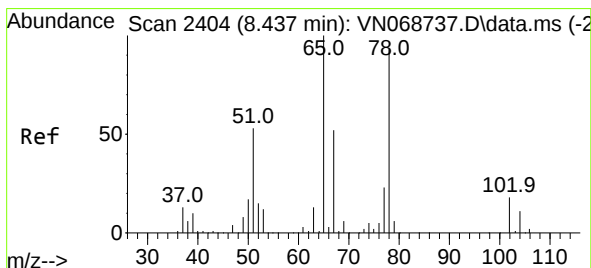
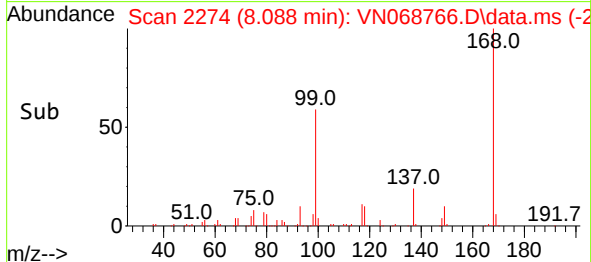
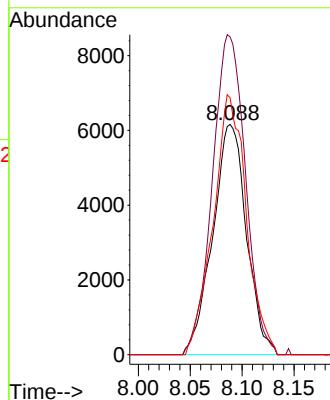
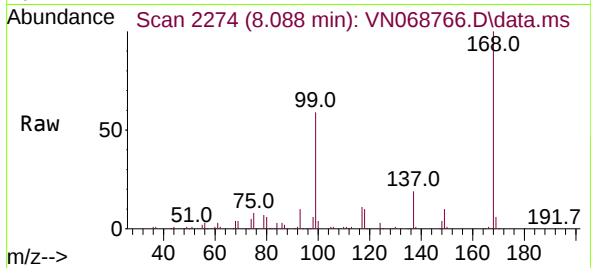




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

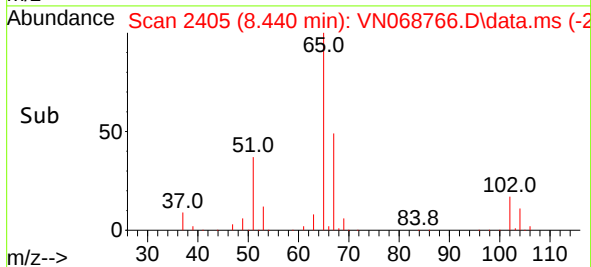
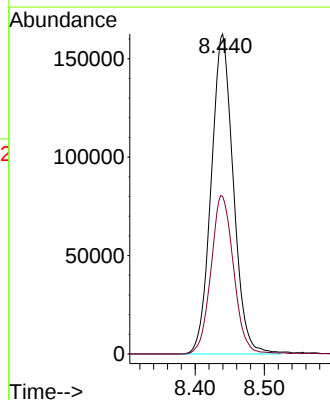
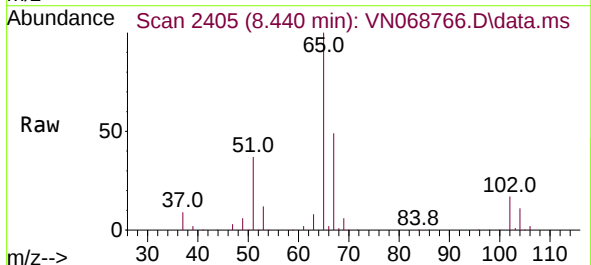
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RW3-MW1-20210921RE

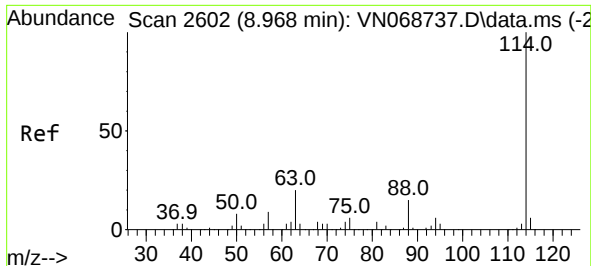
Tgt Ion:	56	Resp:	13913
Ion	Ratio	Lower	Upper
56	100		
69	138.1	27.3	40.9#
84	111.5	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.696 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion:	65	Resp:	361092
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	98.6

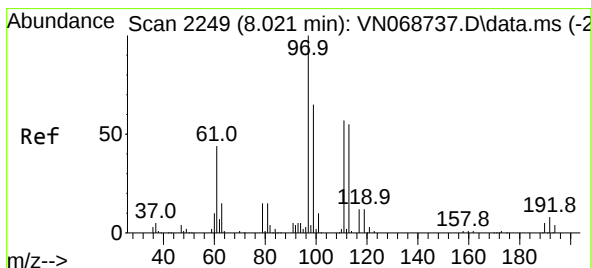
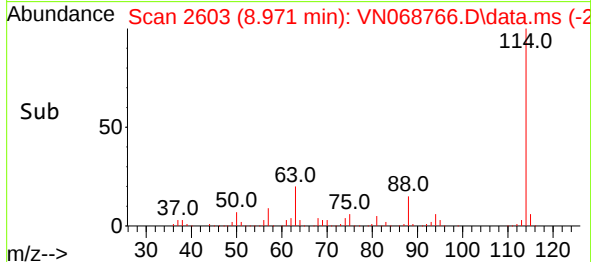
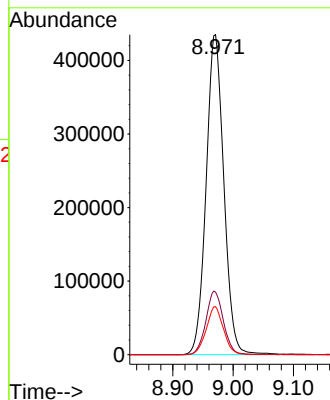
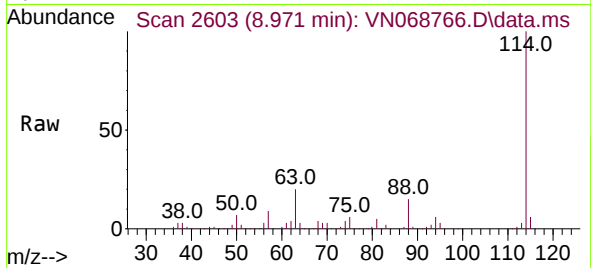




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

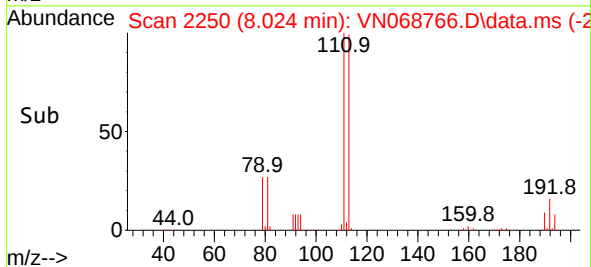
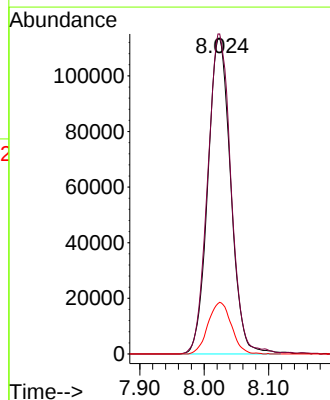
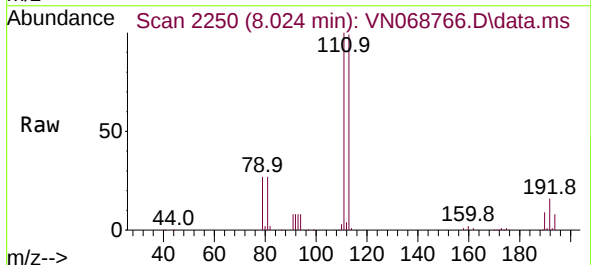
Instrument :
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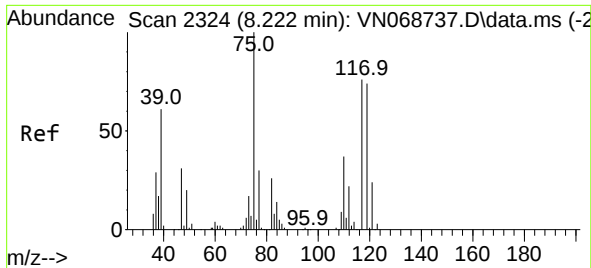
Tgt Ion:114 Resp: 888243
Ion Ratio Lower Upper
114 100
63 19.5 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.671 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion:113 Resp: 279646
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.8
192 16.6 13.4 20.0

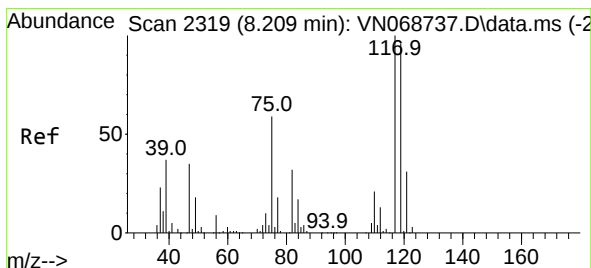
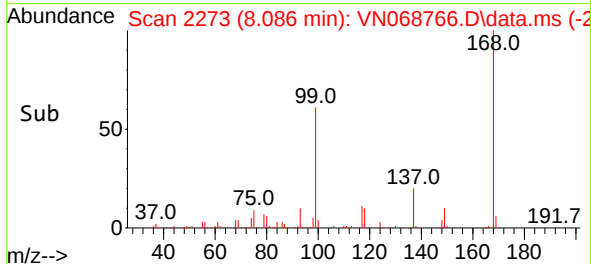
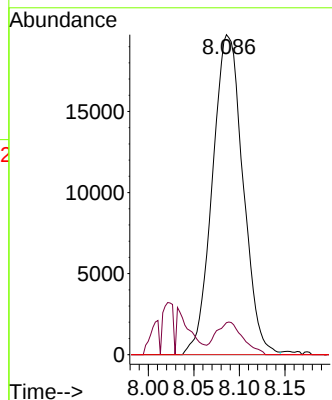
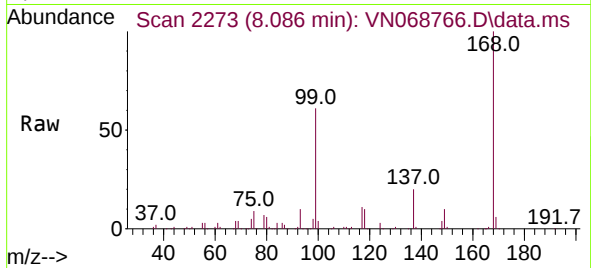




#36
1,1-Dichloropropene
Concen: 5.505 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

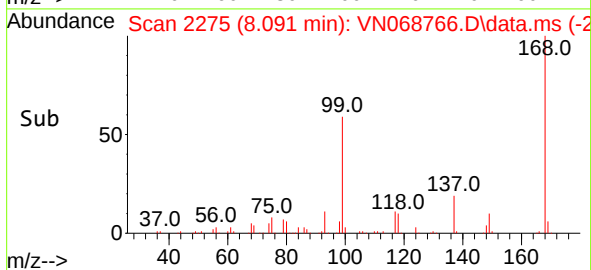
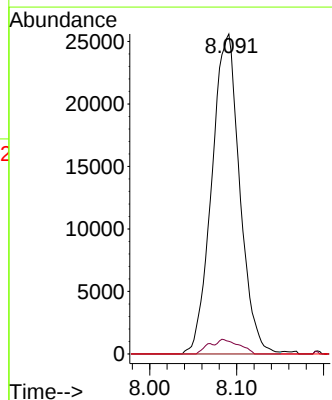
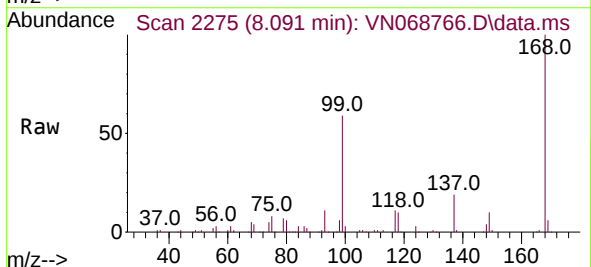
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

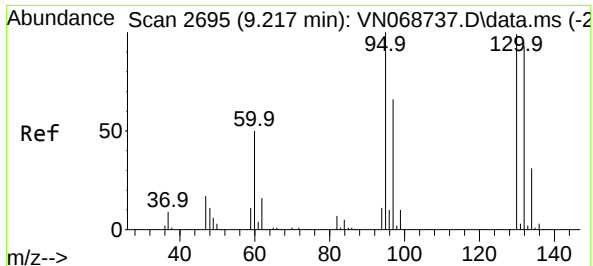
Tgt Ion: 75 Resp: 45988
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 117 Resp: 57202
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.2#
121 0.0 23.5 35.3#

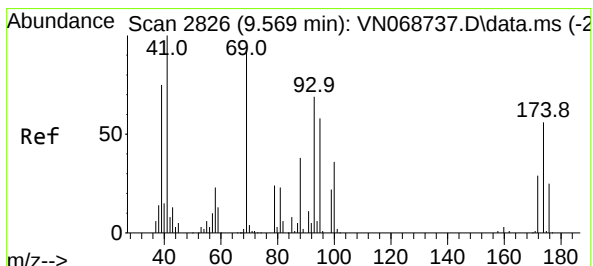
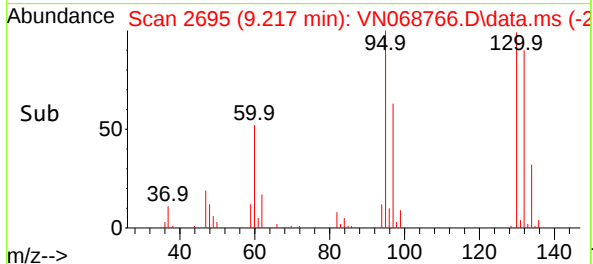
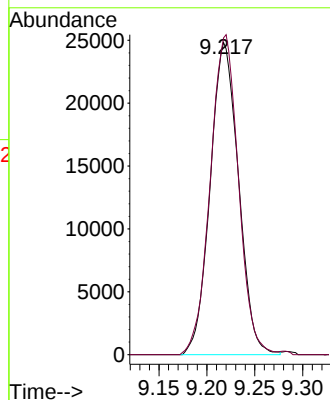
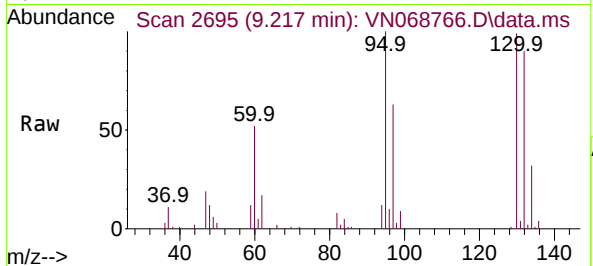




#44
Trichloroethene
Concen: 7.522 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

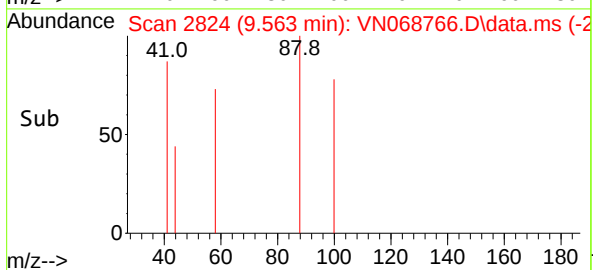
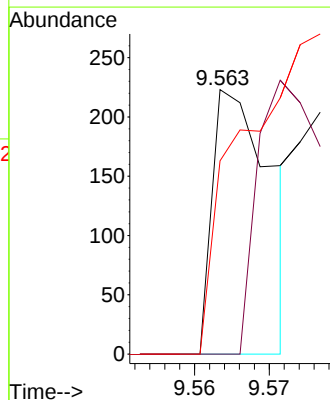
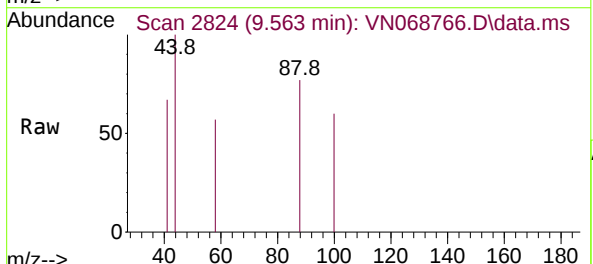
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

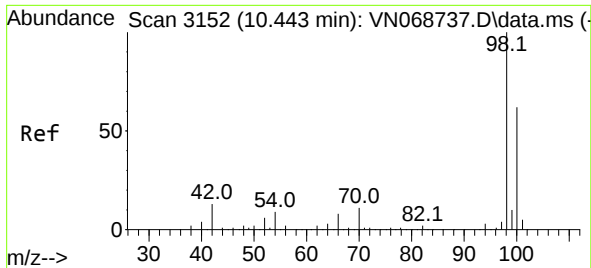
Tgt Ion:130 Resp: 51072
Ion Ratio Lower Upper
130 100
95 101.5 0.0 234.4



#49
1,4-Dioxane
Concen: 1.224 ug/l
RT: 9.563 min Scan# 2824
Delta R.T. -0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 106.6 28.8 43.2#
58 277.7 60.4 90.6#

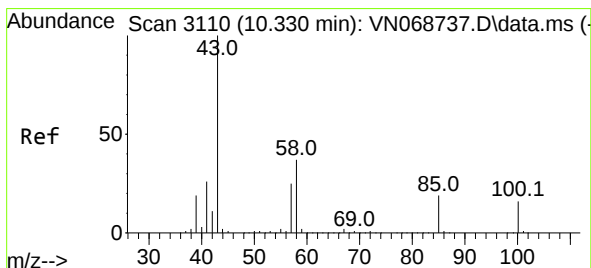
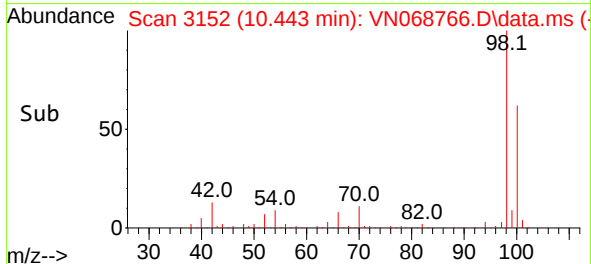
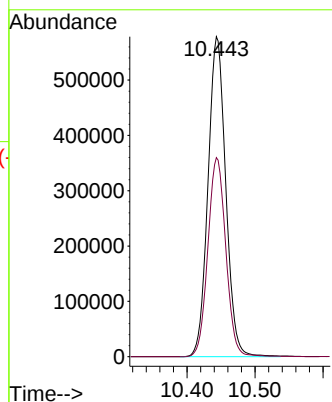
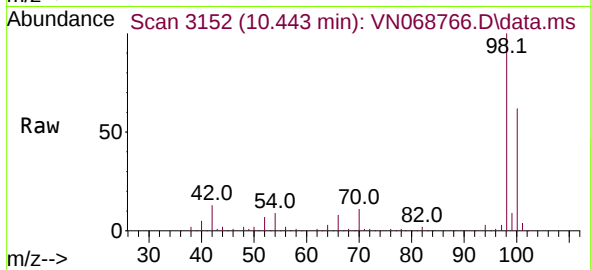




#50
Toluene-d8
Concen: 52.118 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

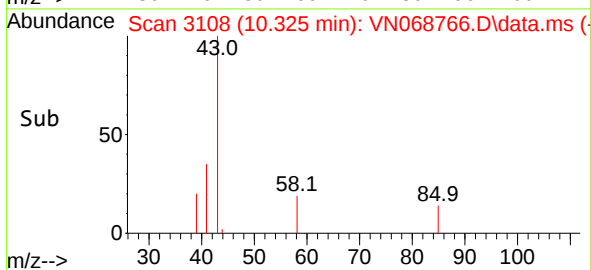
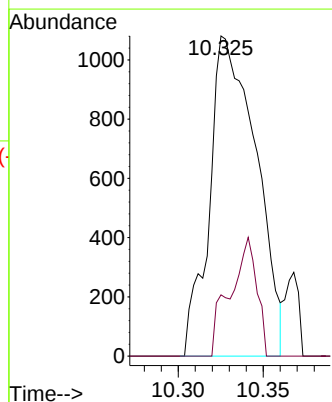
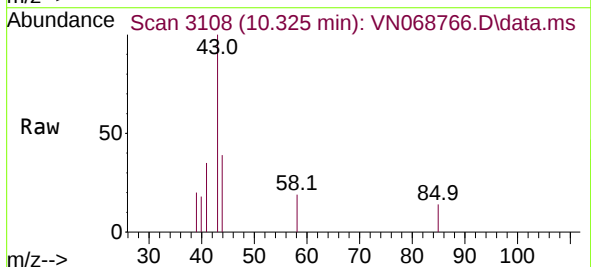
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

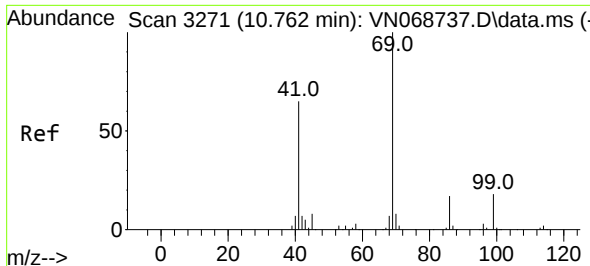
Tgt Ion: 98 Resp: 1051071
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.325 min Scan# 3108
Delta R.T. -0.005 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 21.3 28.6 43.0#

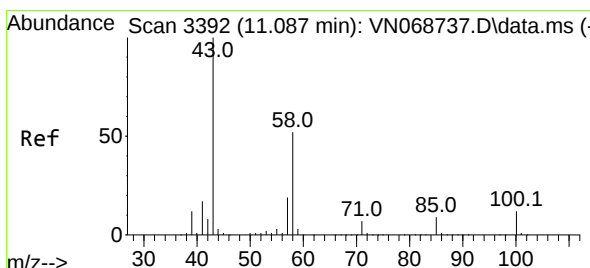
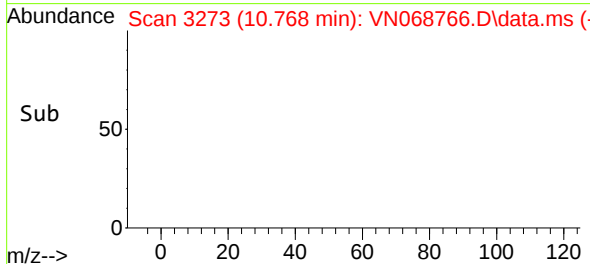
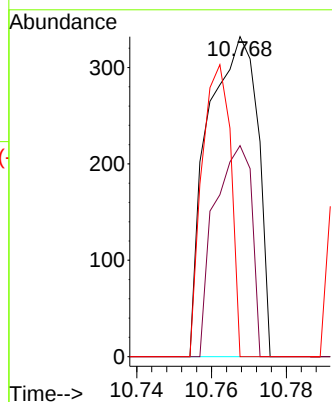
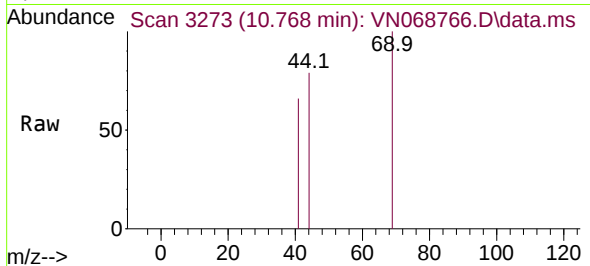




#56
Ethyl methacrylate
Concen: 1.851 ug/l
RT: 10.768 min Scan# 3273
Delta R.T. 0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

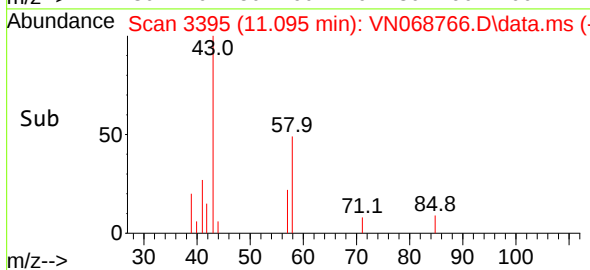
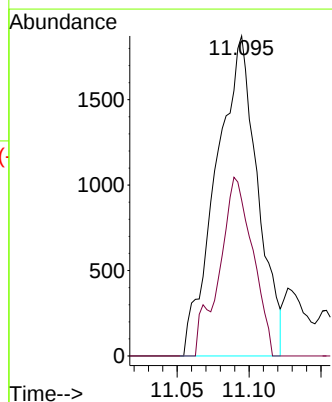
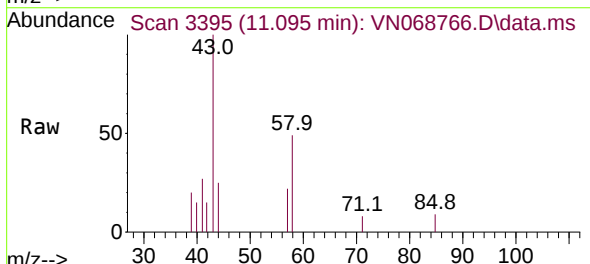
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

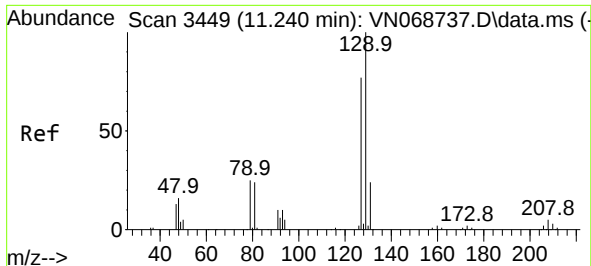
Tgt Ion: 69	Resp: 307
Ion Ratio	Lower Upper
69	100
41	48.9 58.6 88.0#
39	52.4 38.3 57.5



#59
2-Hexanone
Concen: 0.617 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 43	Resp: 3747
Ion Ratio	Lower Upper
43	100
58	45.1 24.7 74.1

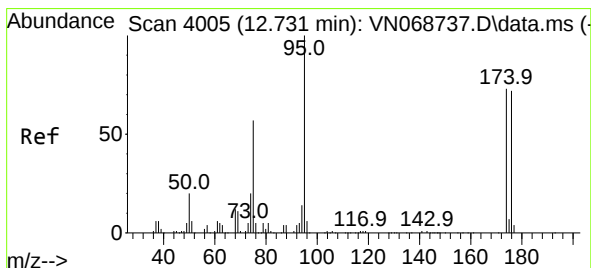
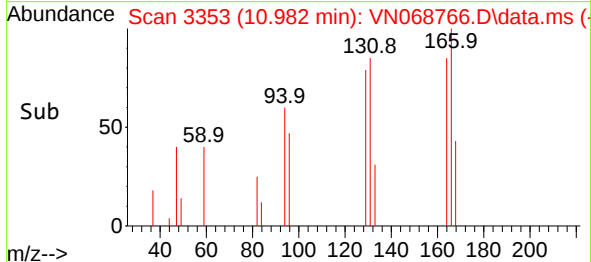
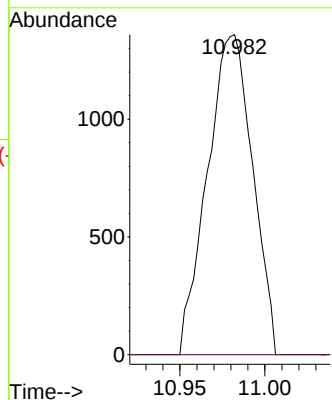
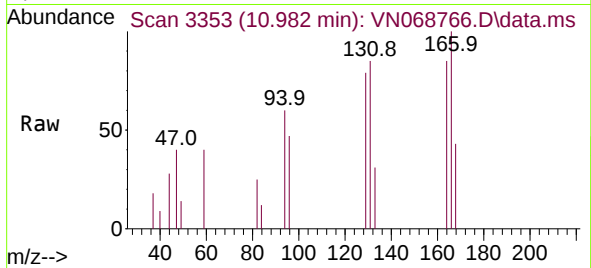




#60
Dibromochloromethane
Concen: 0.331 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

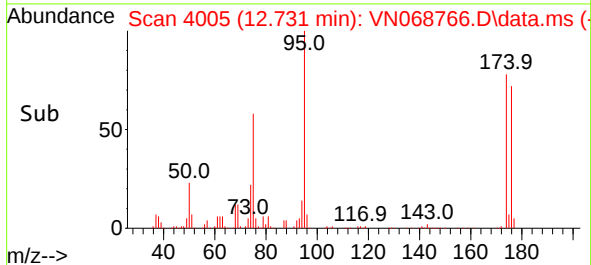
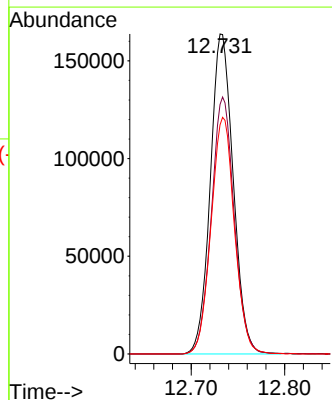
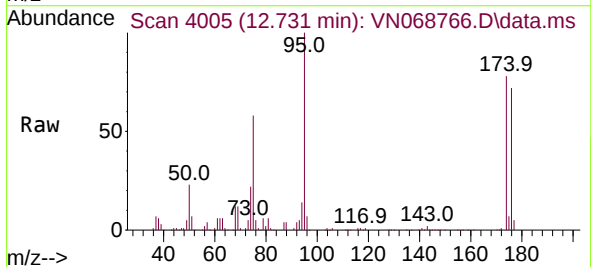
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

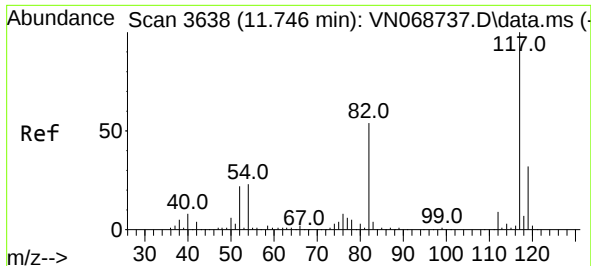
Tgt Ion:129 Resp: 2518
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 39.777 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 95 Resp: 278740
Ion Ratio Lower Upper
95 100
174 80.4 0.0 122.0
176 75.5 0.0 117.6

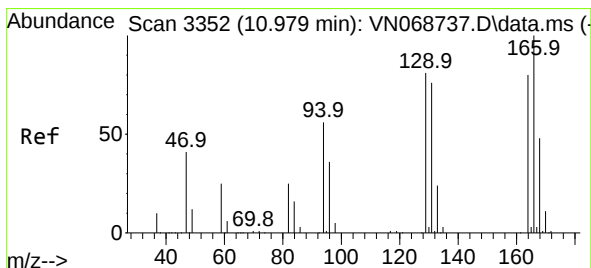
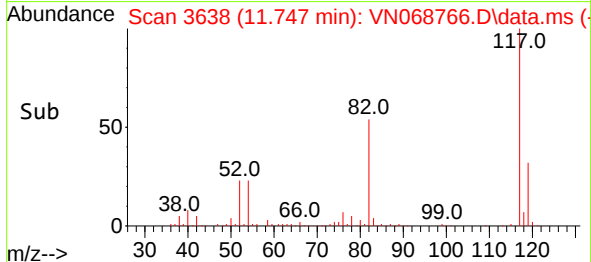
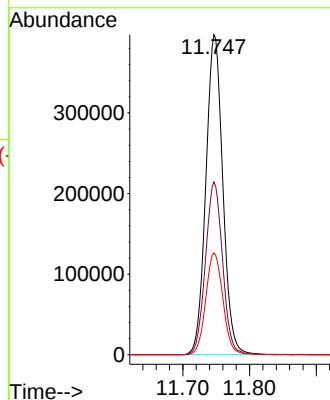
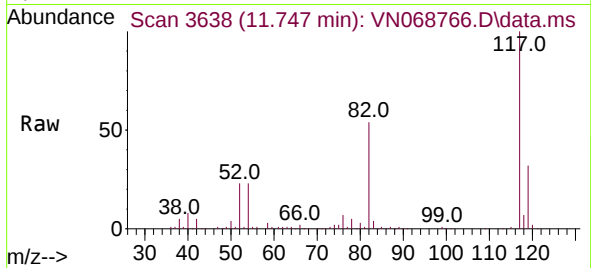




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

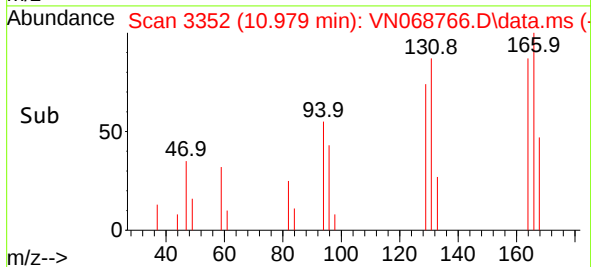
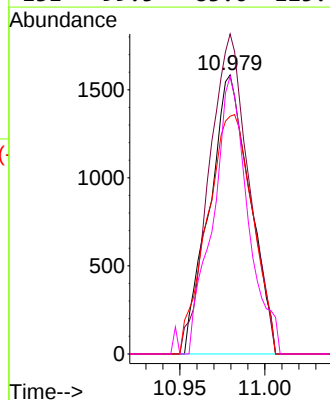
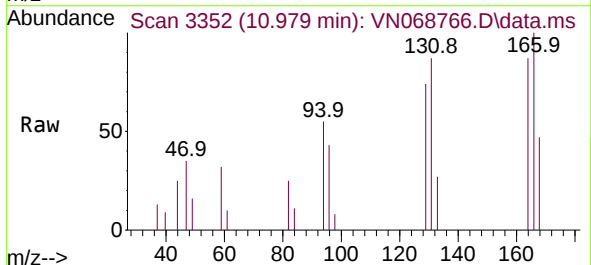
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

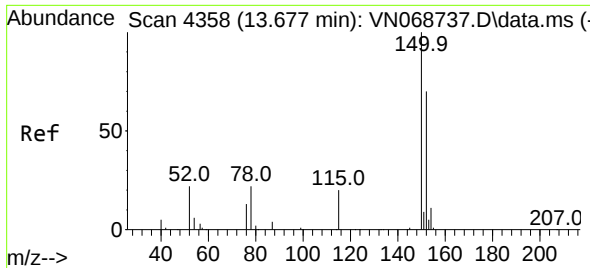
Tgt Ion:117 Resp: 701300
Ion Ratio Lower Upper
117 100
82 53.9 53.1 79.7
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.502 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion:164 Resp: 2629
Ion Ratio Lower Upper
164 100
166 114.7 102.1 153.1
129 85.2 86.9 130.3#
131 99.5 83.6 125.4

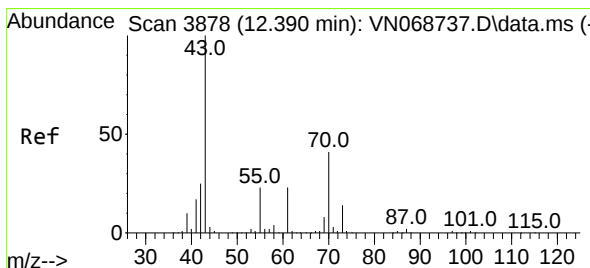
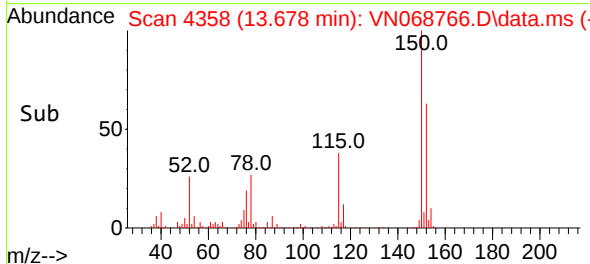
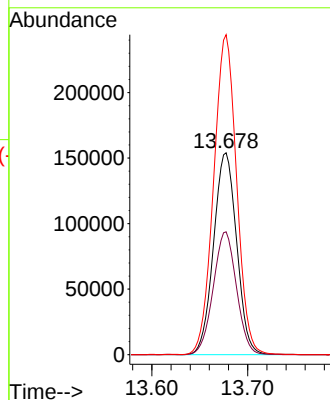
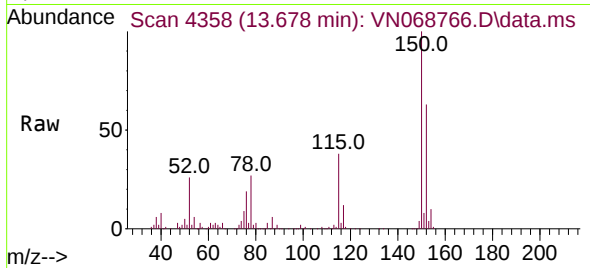




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

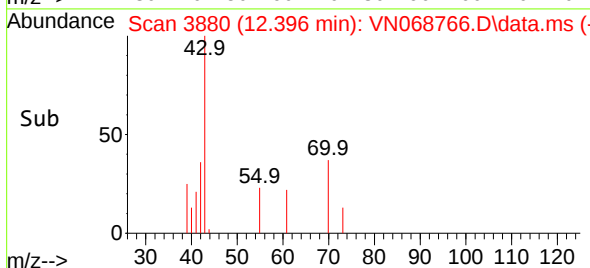
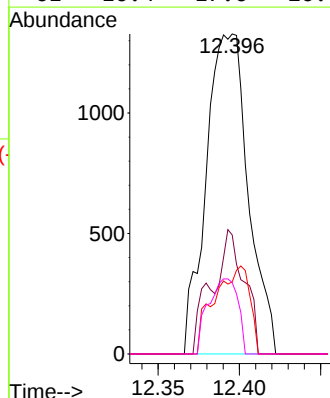
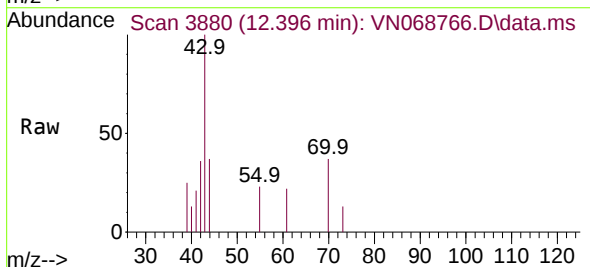
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

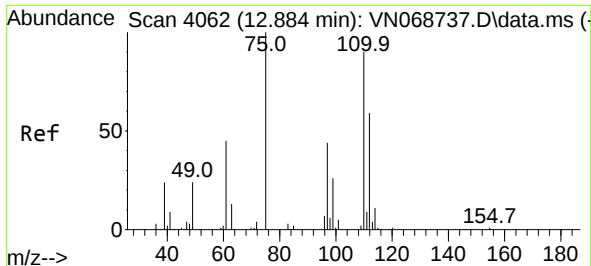
Tgt Ion:152 Resp: 257634
Ion Ratio Lower Upper
152 100
115 61.3 36.1 108.5
150 157.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.323 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
70 21.3 29.4 44.2#
55 23.0 17.0 25.4
61 16.4 17.6 26.4#

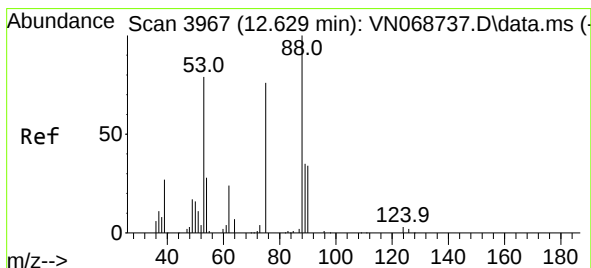
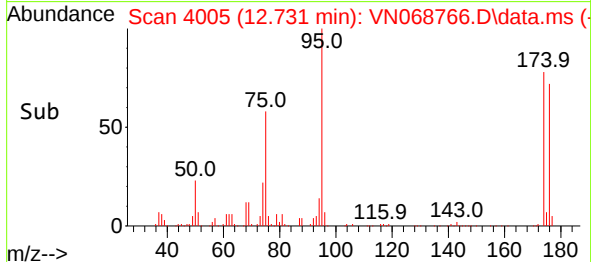
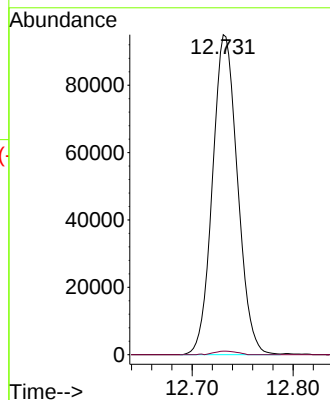
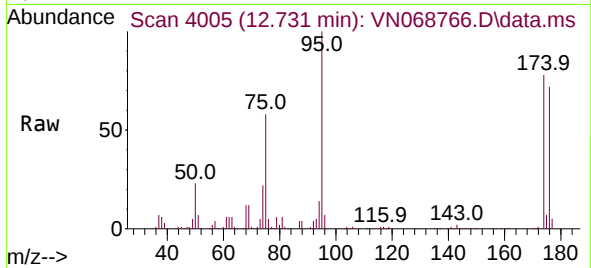




#76
1,2,3-Trichloropropane
Concen: 28.530 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.153 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

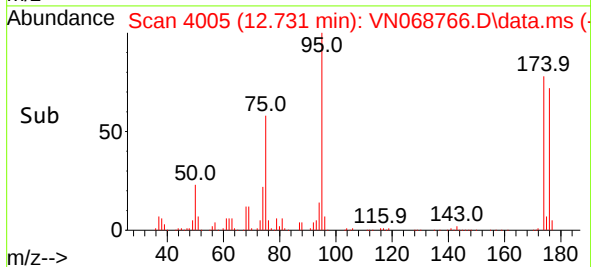
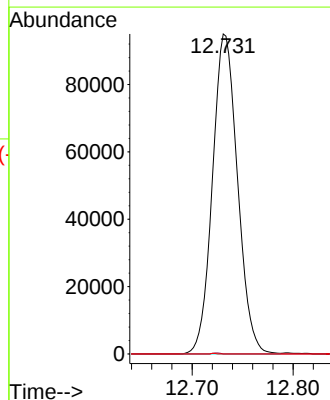
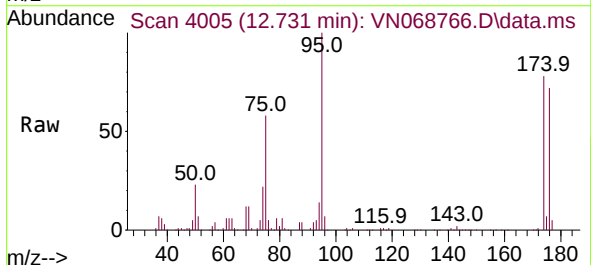
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

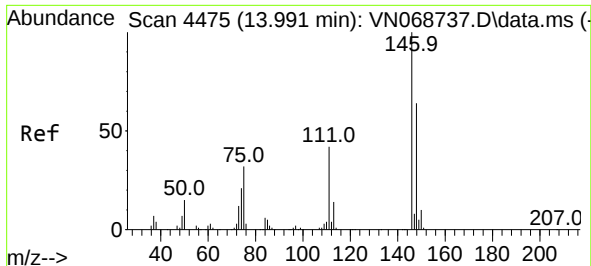
Tgt Ion: 75 Resp: 163465
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.938 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.102 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 75 Resp: 163465
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

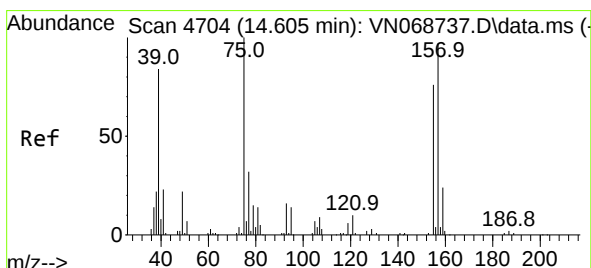
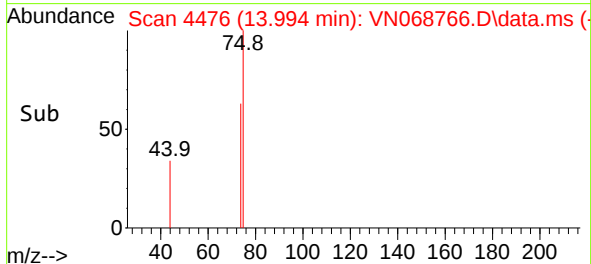
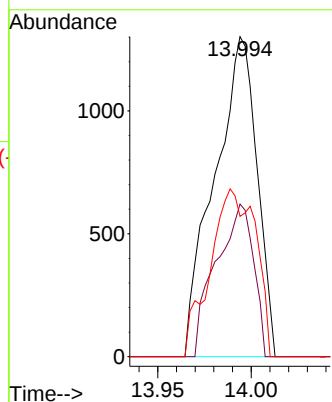
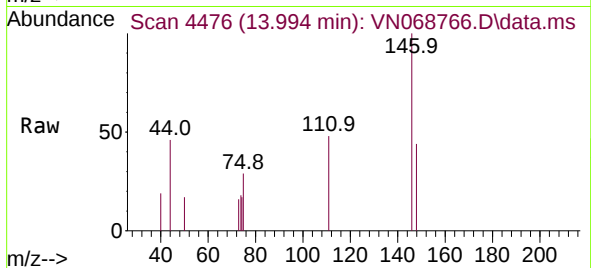




#91
1,2-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

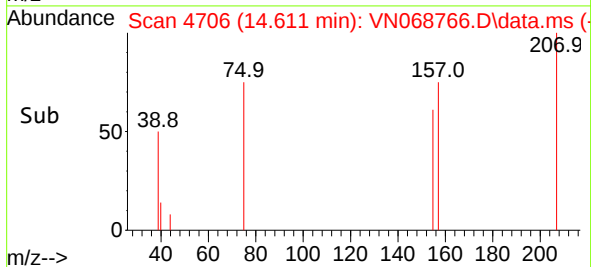
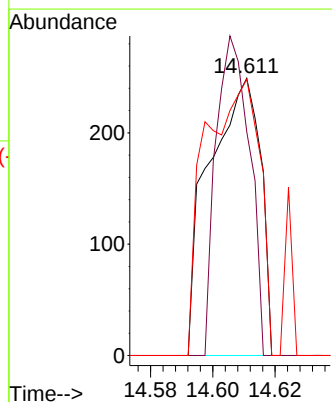
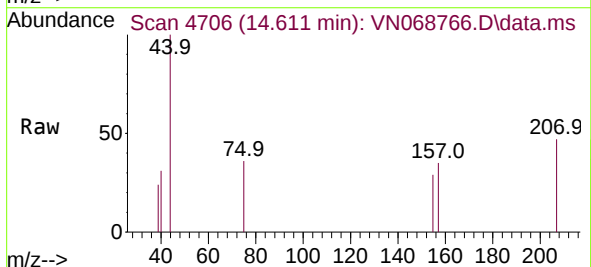
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

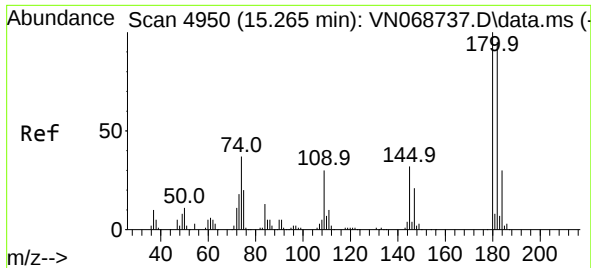
Tgt Ion:146 Resp: 2057
Ion Ratio Lower Upper
146 100
111 42.1 24.9 74.6
148 56.2 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.234 ug/l
RT: 14.611 min Scan# 4706
Delta R.T. 0.006 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

Tgt Ion: 75 Resp: 284
Ion Ratio Lower Upper
75 100
155 75.0 29.8 89.5
157 104.9 37.6 112.8

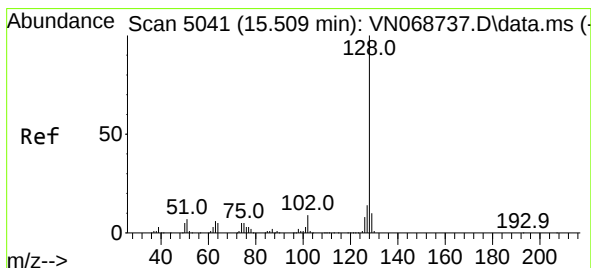
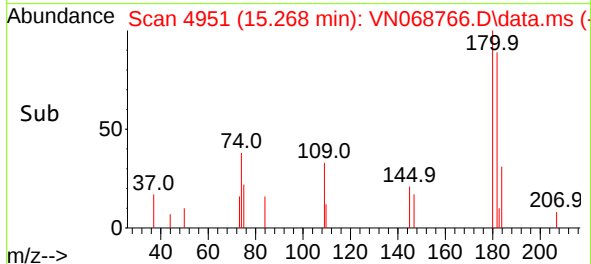
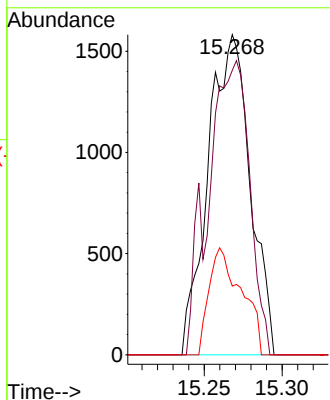
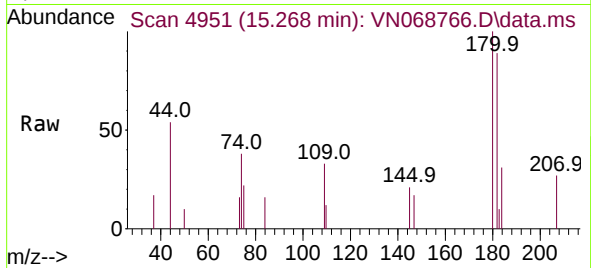




#93
1,2,4-Trichlorobenzene
Concen: 0.699 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

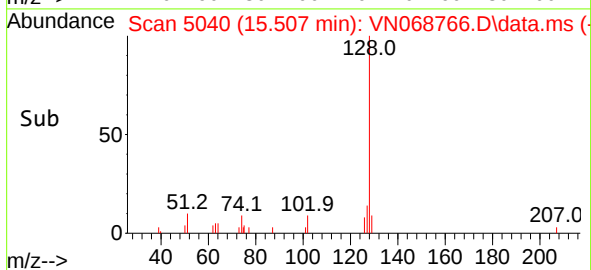
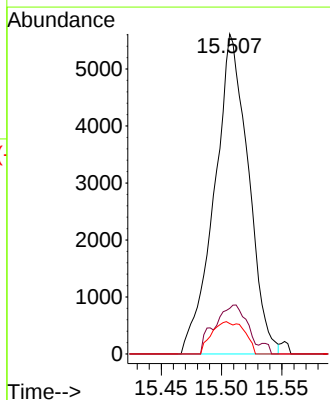
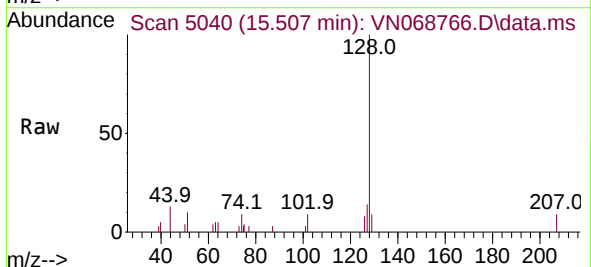
Instrument :
MSVOA_N
ClientSampleId :
RW3-MW1-20210921RE

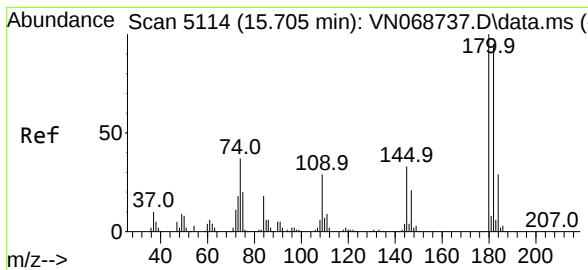
Tgt Ion:	180	Resp:	2972
Ion Ratio	Lower	Upper	
180	100		
182	78.4	47.5	142.5
145	25.8	17.2	51.6



#95
Naphthalene
Concen: 2.321 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068766.D
Acq: 30 Sep 2021 16:39

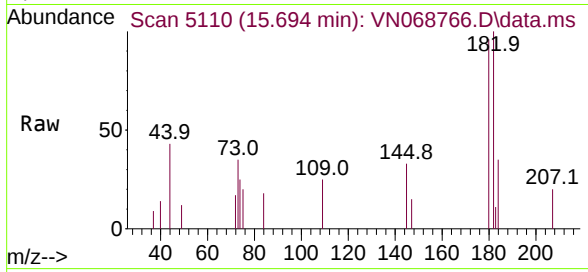
Tgt Ion:	128	Resp:	10935
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.6	15.8
129	9.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.455 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.011 min
 Lab File: VN068766.D
 Acq: 30 Sep 2021 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 RW3-MW1-20210921RE



Tgt Ion:180 Resp: 1853
 Ion Ratio Lower Upper
 180 100
 182 183.7 47.8 143.3#
 145 59.0 18.2 54.6#

