

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068584.D
 Acq On : 21 Sep 2021 16:01
 Operator : JC/MD
 Sample : M3781-08DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 16:36:45 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)

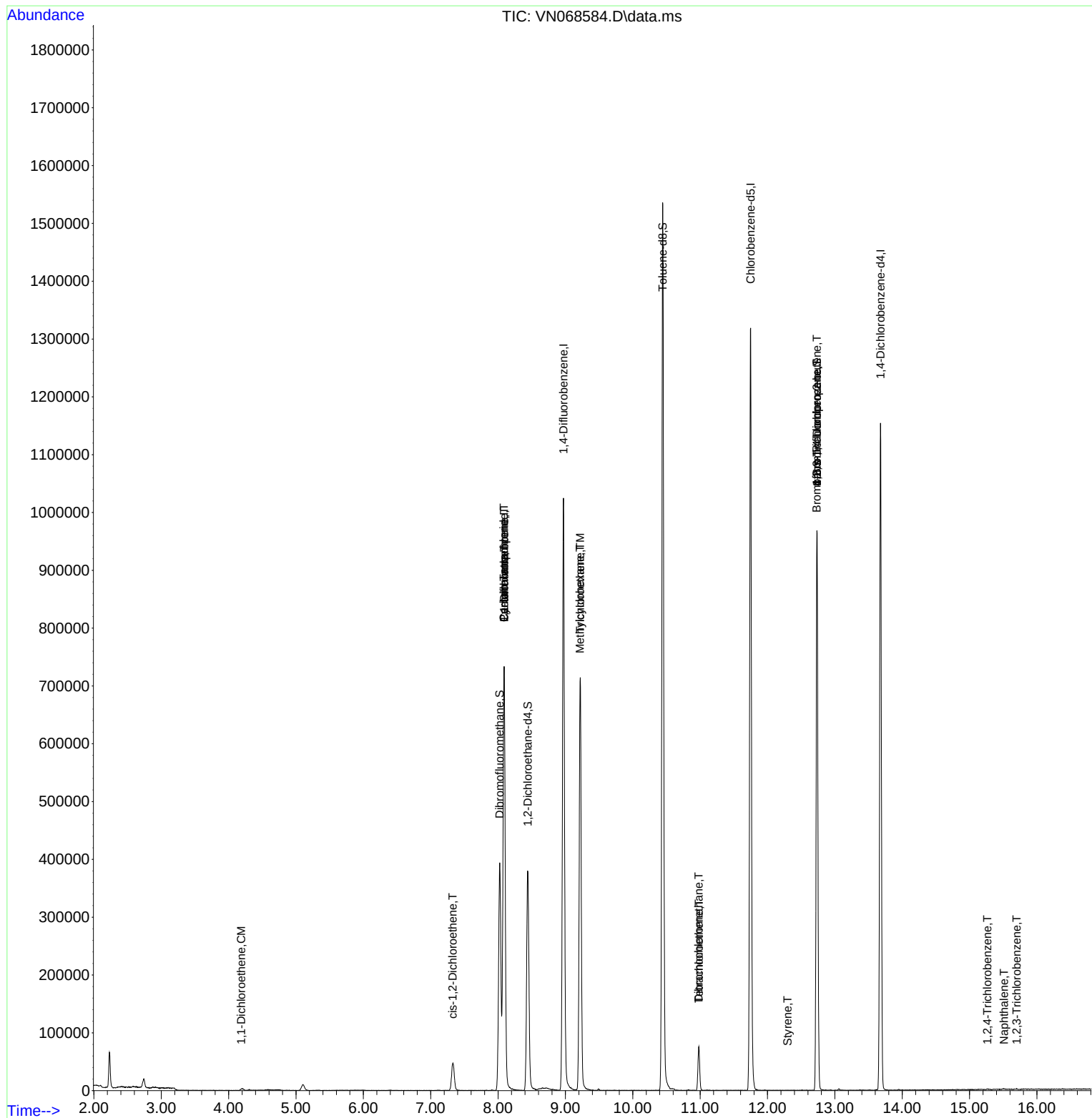
Internal Standards						
1) Pentafluorobenzene	8.091	168	602798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	982411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	851317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	348210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	328167	59.349	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.700%			
35) Dibromofluoromethane	8.024	113	285879	48.248	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.500%			
50) Toluene-d8	10.443	98	1157009	47.781	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.734	95	334363	42.427	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.860%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	484	Below Cal	#	79
5) Bromomethane	2.853	94	133	Below Cal	#	3
11) Tert butyl alcohol	5.350	59	119	Below Cal	#	84
12) 1,1-Dichloroethene	4.186	96	1143	0.241 ug/l	#	68
16) Acetone	4.304	43	1296	Below Cal		100
18) Methyl Acetate	4.851	43	387	Below Cal	#	45
20) Methylene Chloride	5.098	84	4586	Below Cal		91
27) cis-1,2-Dichloroethene	7.327	96	31648	4.984 ug/l		96
31) Cyclohexane	8.091	56	11168	1.333 ug/l	#	24
36) 1,1-Dichloropropene	8.091	75	41287	5.041 ug/l	#	47
38) Carbon Tetrachloride	8.088	117	58672	5.980 ug/l	#	16
39) Methylcyclohexane	9.215	83	3164	0.305 ug/l	#	1
44) Trichloroethene	9.220	130	281767	36.707 ug/l		92
60) Dibromochloromethane	10.980	129	17830	3.768 ug/l	#	11
64) Tetrachloroethene	10.982	164	18258	2.420 ug/l		93
70) Styrene	12.299	104	61	1.757 ug/l	#	27
71) Bromoform	12.731	173	3083	2.977 ug/l	#	1
76) 1,2,3-Trichloropropane	12.734	75	170194	35.218 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.734	75	170194	108.321 ug/l	#	13
93) 1,2,4-Trichlorobenzene	15.265	180	532	3.036 ug/l	#	56
95) Naphthalene	15.512	128	1550	3.601 ug/l	#	73
96) 1,2,3-Trichlorobenzene	15.700	180	156	2.998 ug/l	#	1

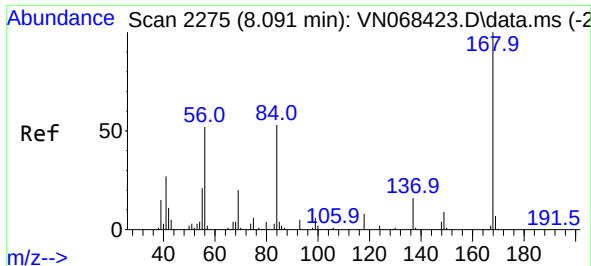
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 17 11:02:11 2021
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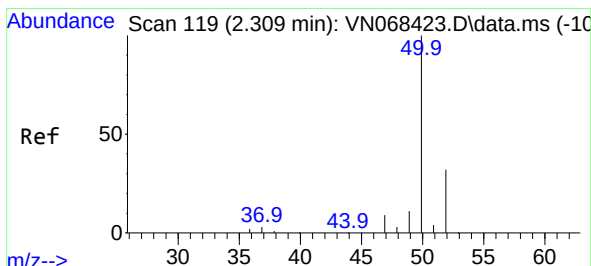
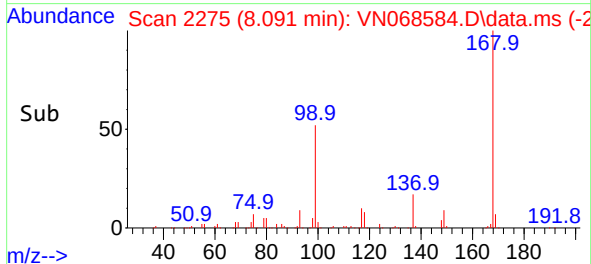
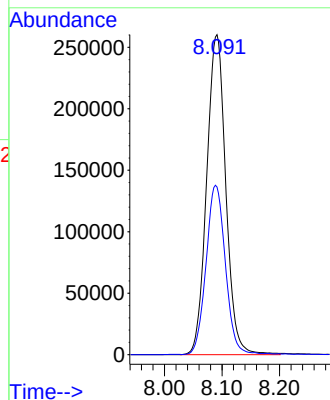
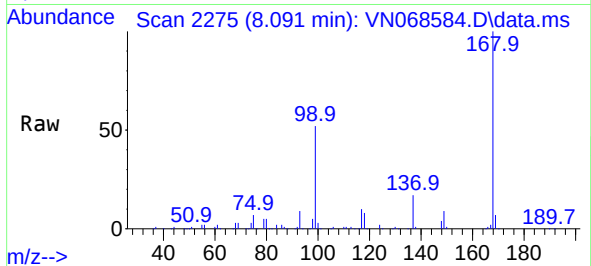




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

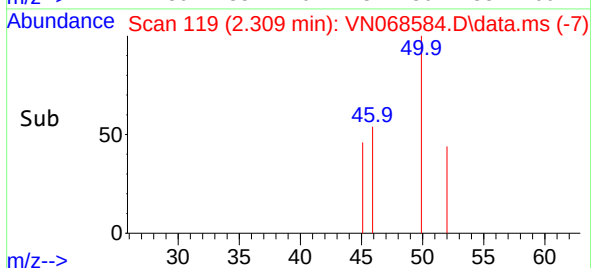
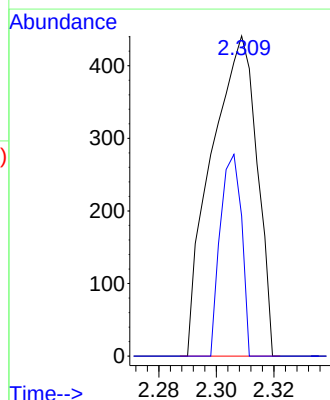
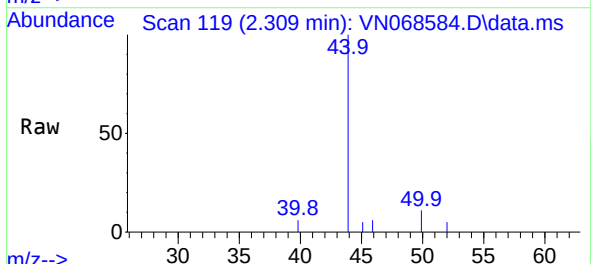
Instrument :
MSVOA_N
ClientSampled :

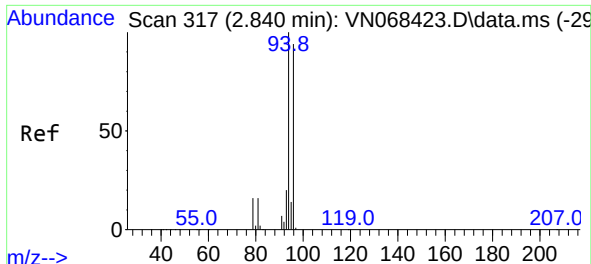
Tgt Ion:168 Resp: 602798
Ion Ratio Lower Upper
168 100
99 52.3 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. -0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

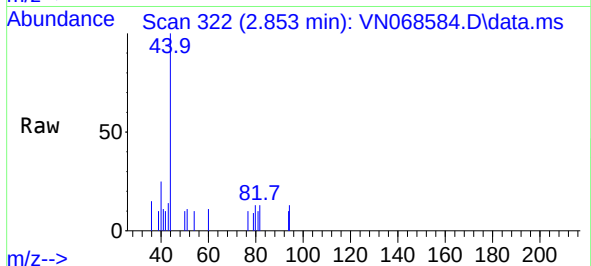
Tgt Ion: 50 Resp: 484
Ion Ratio Lower Upper
50 100
52 43.8 25.8 38.6#



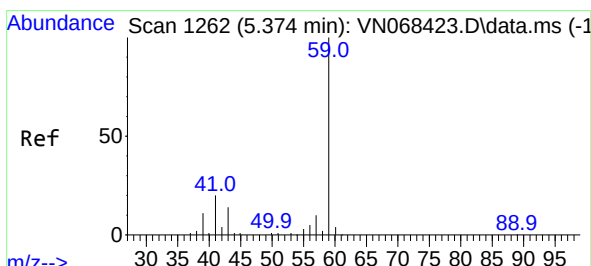
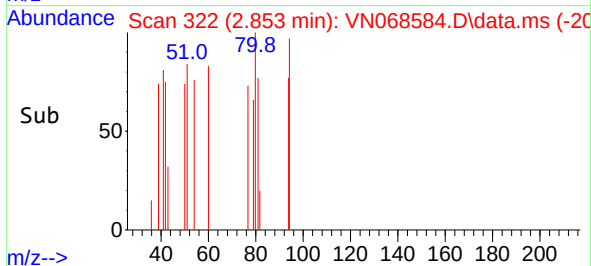
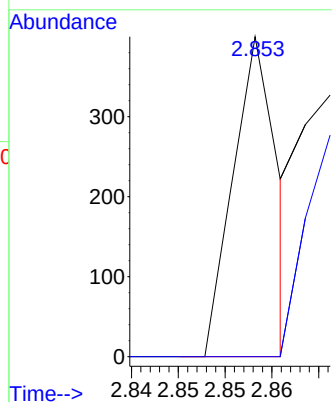


#5
Bromomethane
Concen: Below Cal
RT: 2.853 min Scan# 322
Delta R.T. 0.013 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Instrument :
MSVOA_N
ClientSampled :

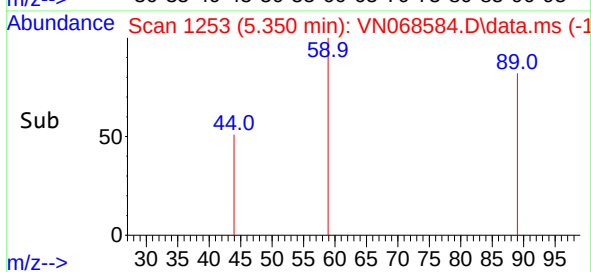
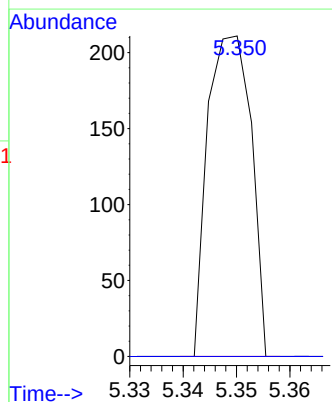
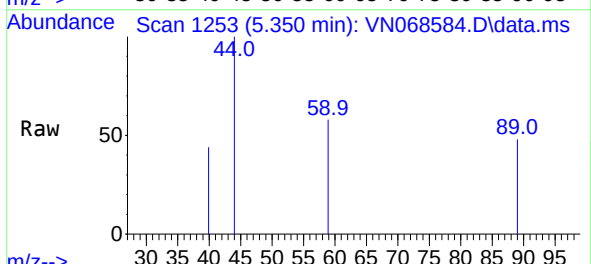


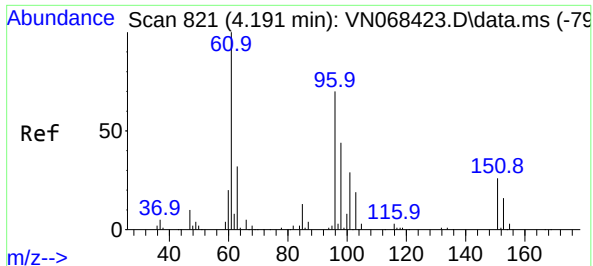
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.350 min Scan# 1253
Delta R.T. -0.024 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#





#12

1,1-Dichloroethene

Concen: 0.241 ug/l

RT: 4.186 min Scan# 819

Delta R.T. -0.005 min

Lab File: VN068584.D

Acq: 21 Sep 2021 16:01

Tgt Ion: 96 Resp: 1143

Ion Ratio Lower Upper

96 100

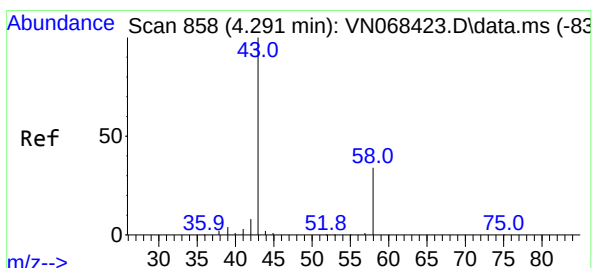
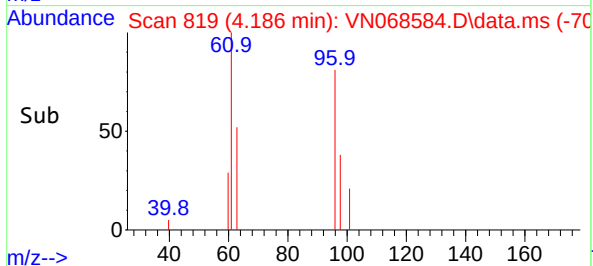
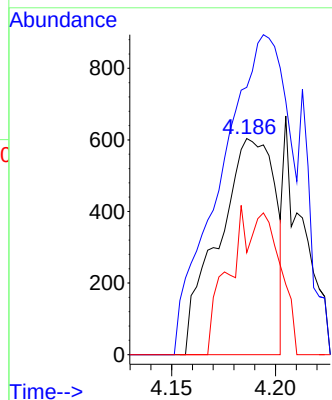
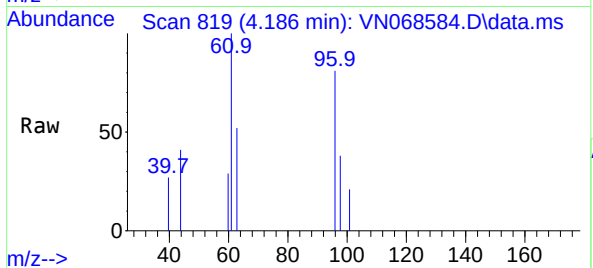
61 98.7 114.7 172.1#

98 47.2 50.9 76.3#

Instrument :

MSVOA_N

ClientSampleId :



#16

Acetone

Concen: Below Cal

RT: 4.304 min Scan# 863

Delta R.T. 0.013 min

Lab File: VN068584.D

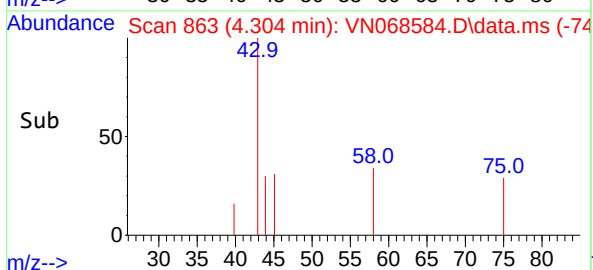
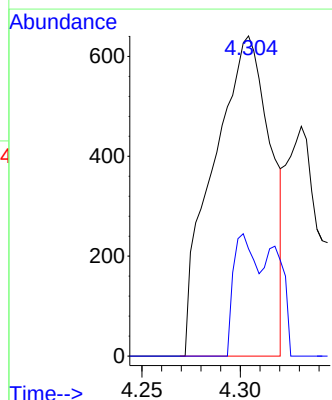
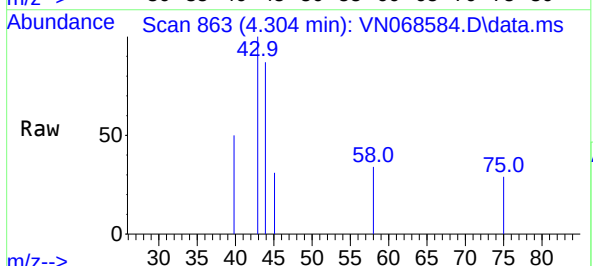
Acq: 21 Sep 2021 16:01

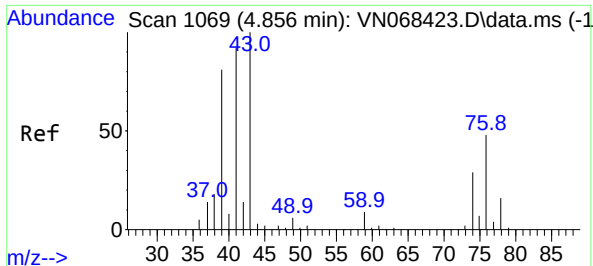
Tgt Ion: 43 Resp: 1296

Ion Ratio Lower Upper

43 100

58 33.5 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.851 min Scan# 1067

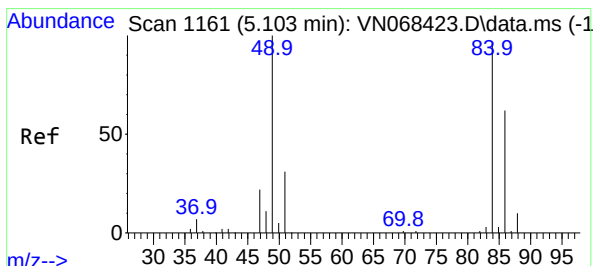
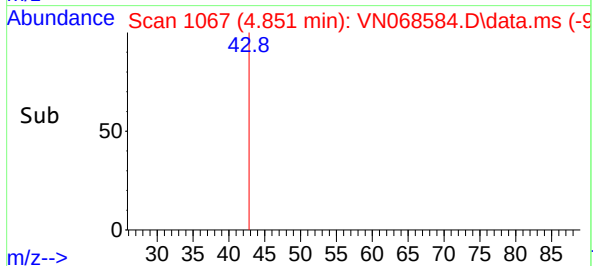
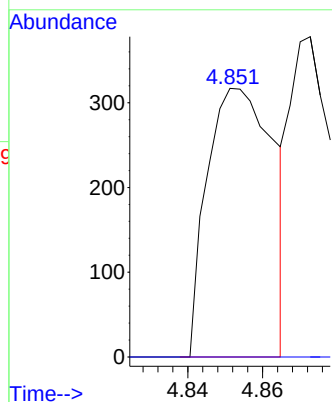
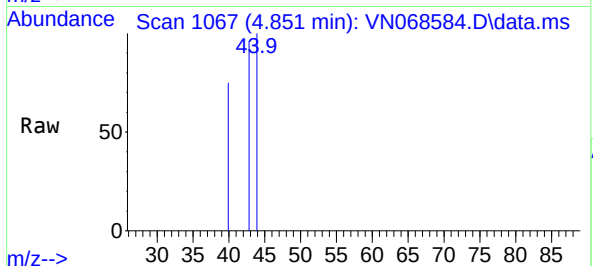
Delta R.T. -0.005 min

Lab File: VN068584.D

Acq: 21 Sep 2021 16:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: Below Cal

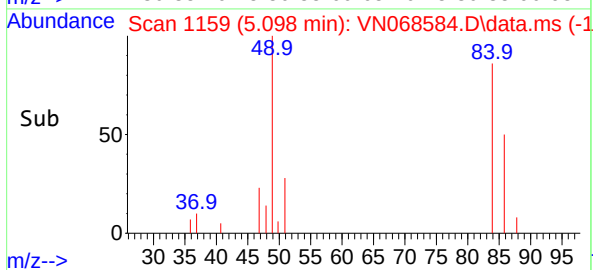
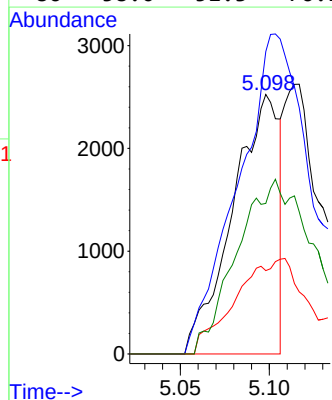
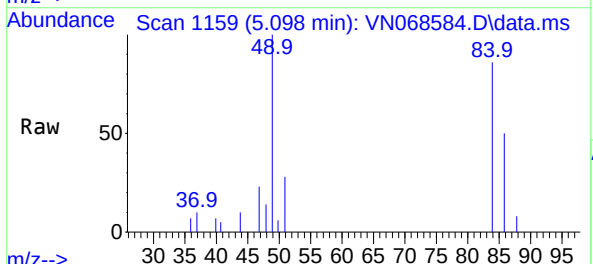
RT: 5.098 min Scan# 1159

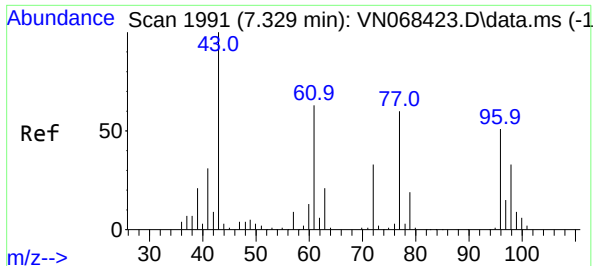
Delta R.T. -0.005 min

Lab File: VN068584.D

Acq: 21 Sep 2021 16:01

Tgt Ion: 84 Resp: 4586
Ion Ratio Lower Upper
84 100
49 116.6 83.0 124.6
51 32.1 25.4 38.0
86 58.0 51.3 76.9



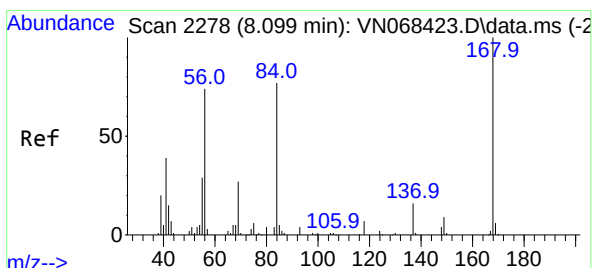
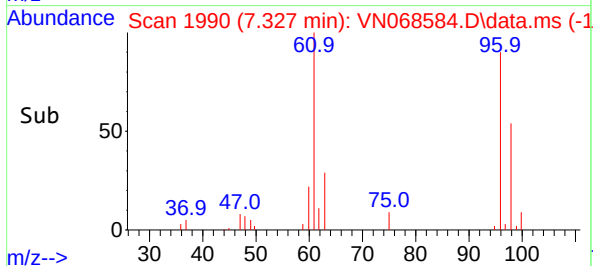
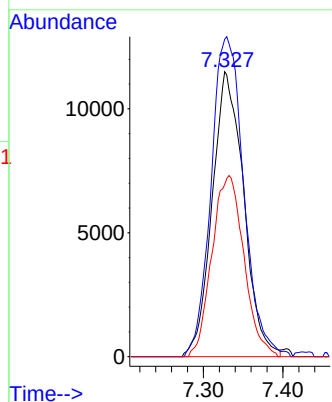
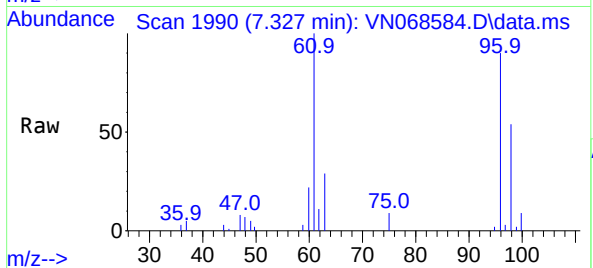


#27
cis-1,2-Dichloroethene
Concen: 4.984 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.002 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 96 Resp: 31648

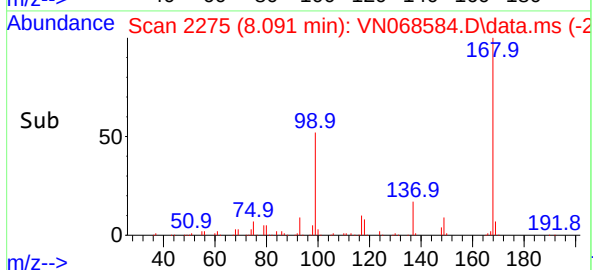
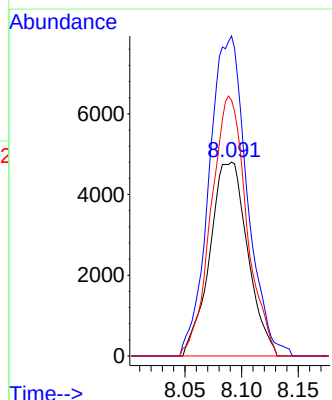
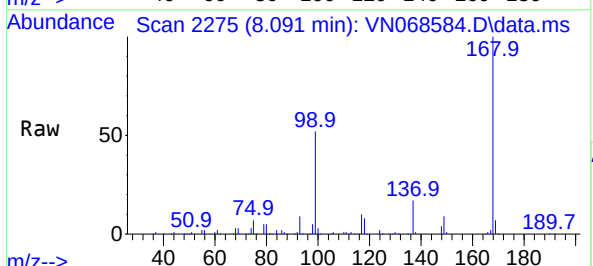
Ion	Ratio	Lower	Upper
96	100		
61	116.2	0.0	246.4
98	64.6	0.0	130.4

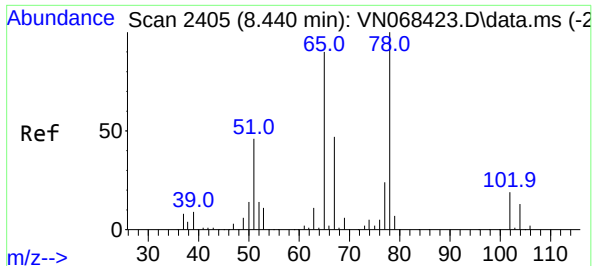


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion: 56 Resp: 11168

Ion	Ratio	Lower	Upper
56	100		
69	165.0	29.4	44.0#
84	131.9	83.6	125.4#

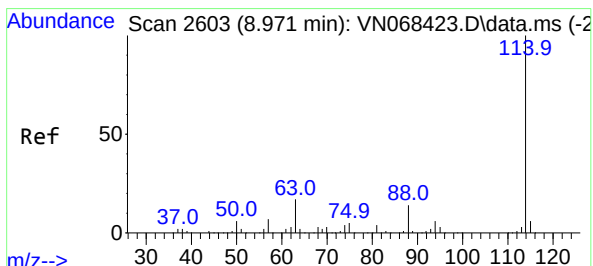
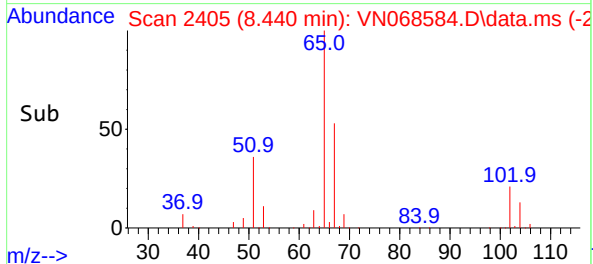
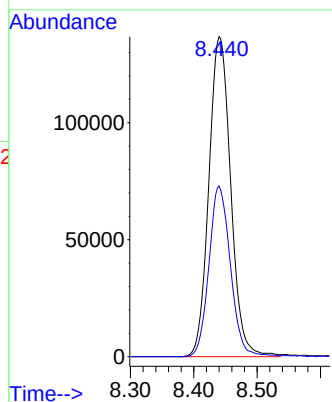
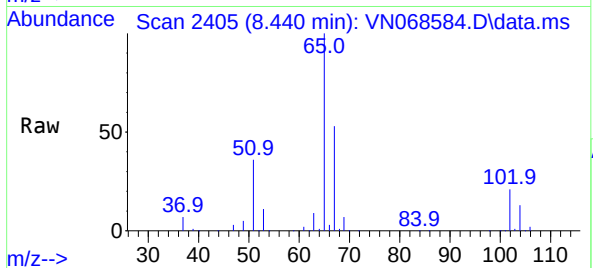




#33
 1,2-Dichloroethane-d4
 Concen: 59.349 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068584.D
 Acq: 21 Sep 2021 16:01

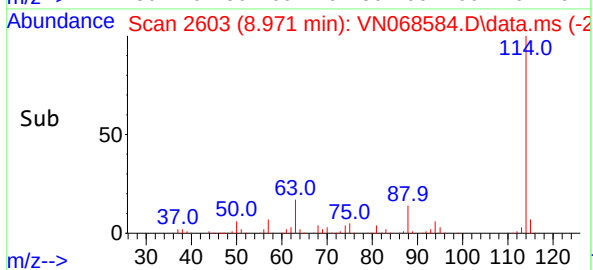
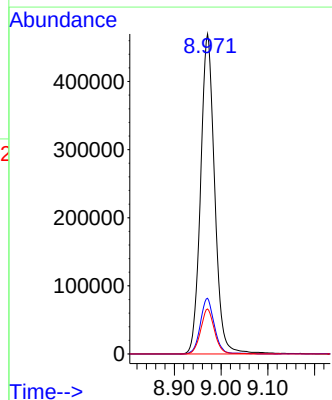
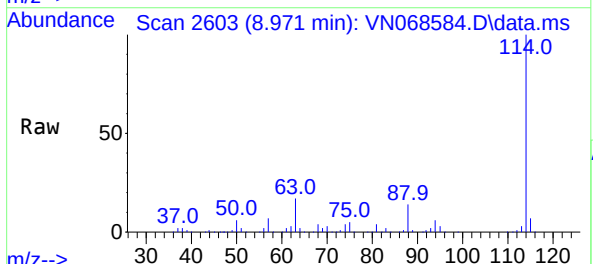
Instrument :
 MSVOA_N
 ClientSampled :

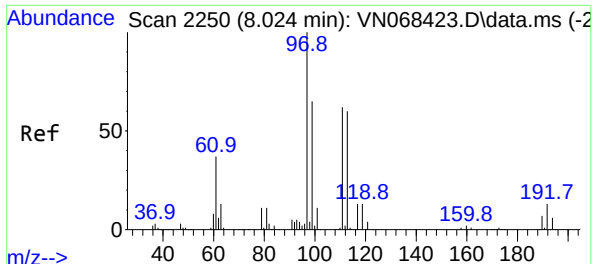
Tgt Ion: 65 Resp: 328167
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068584.D
 Acq: 21 Sep 2021 16:01

Tgt Ion: 114 Resp: 982411
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.2
 88 14.1 0.0 28.4

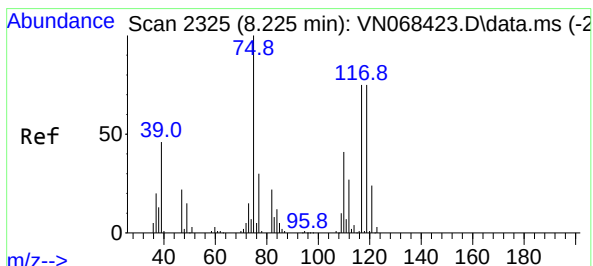
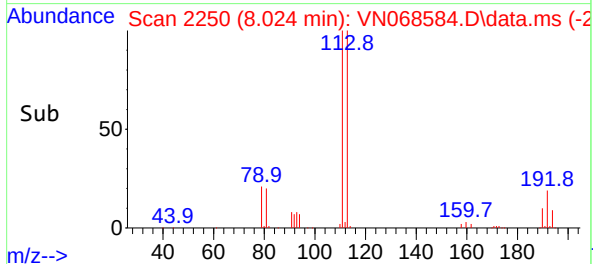
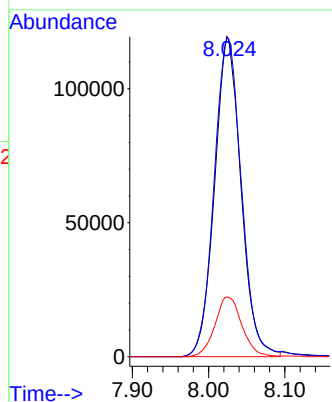
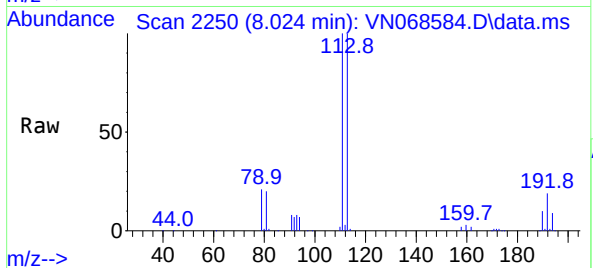




#35
Dibromofluoromethane
Concen: 48.248 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

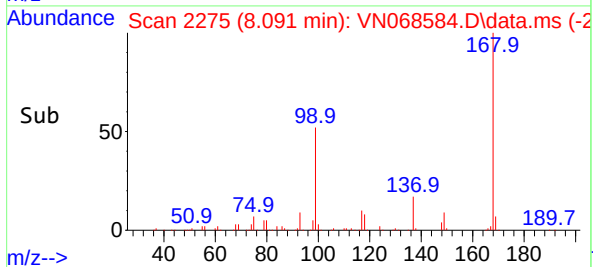
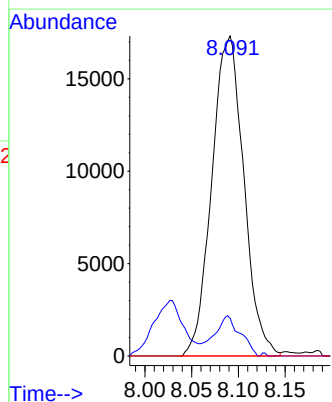
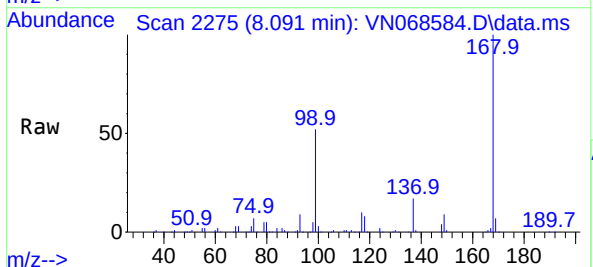
Instrument :
MSVOA_N
ClientSampled :

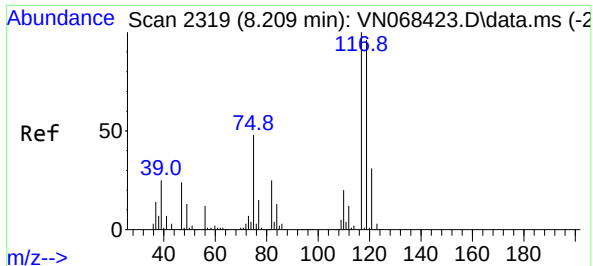
Tgt Ion:113 Resp: 285879
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 19.2 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.041 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

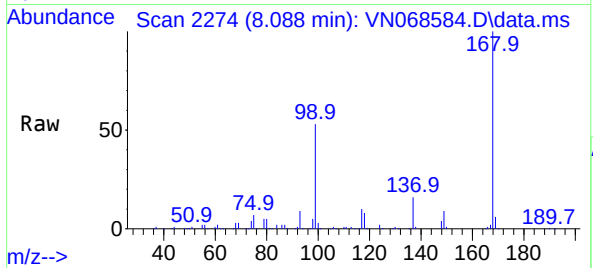
Tgt Ion: 75 Resp: 41287
Ion Ratio Lower Upper
75 100
110 10.0 20.8 62.5#
77 0.0 25.0 37.6#



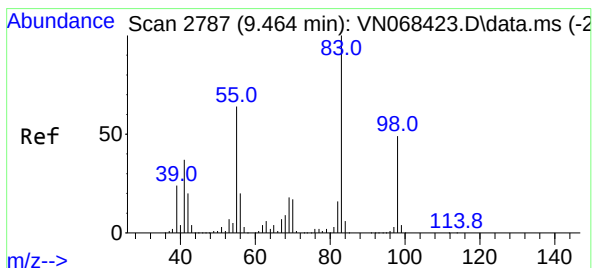
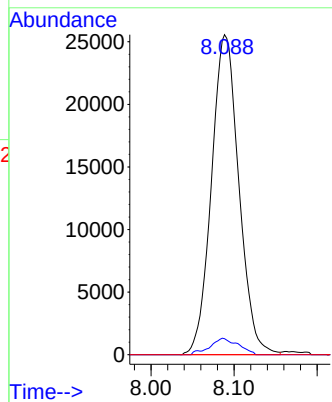
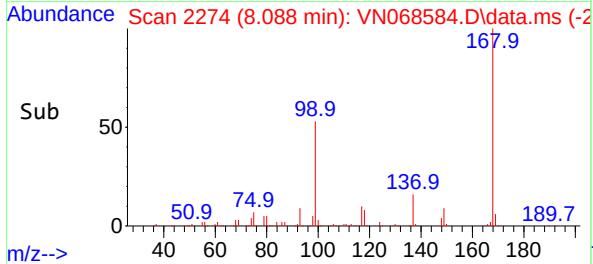


#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

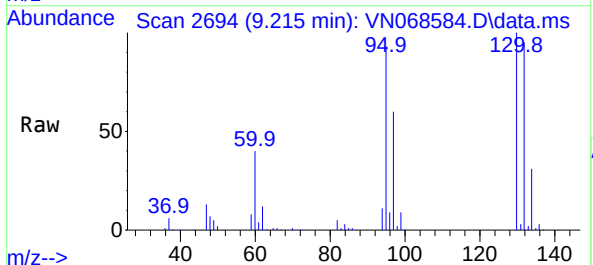
Instrument :
MSVOA_N
ClientSampled :



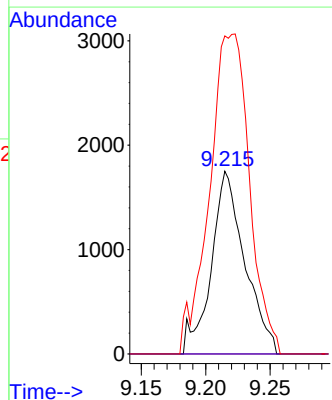
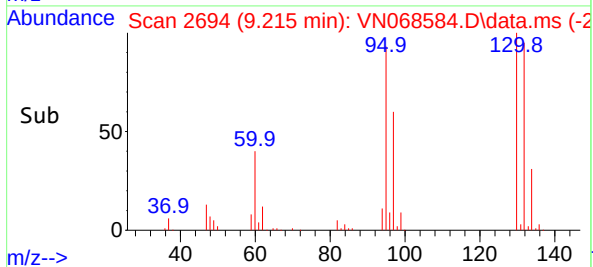
Tgt Ion:117 Resp: 58672
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 24.5 36.7#

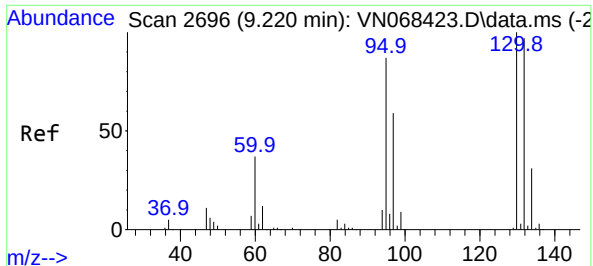


#39
Methylcyclohexane
Concen: 0.305 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.249 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01



Tgt Ion: 83 Resp: 3164
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 174.1 39.5 59.3#

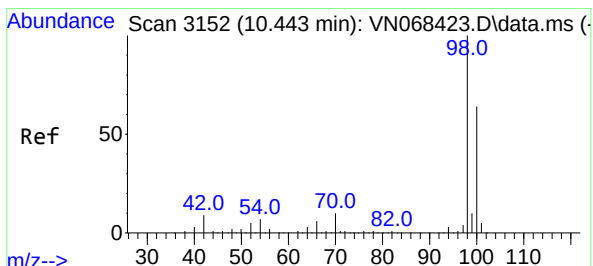
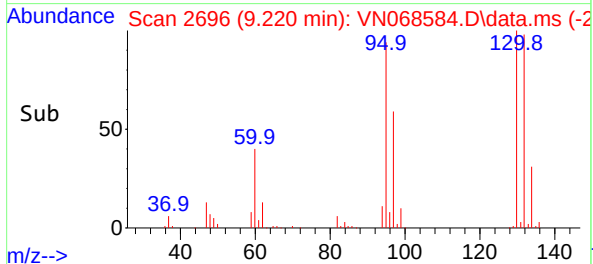
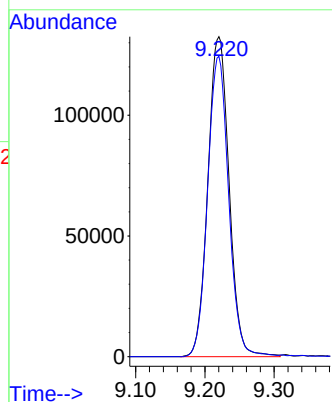
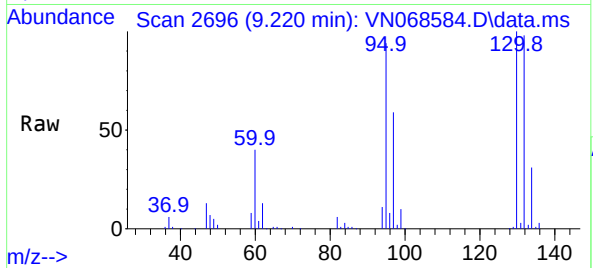




#44
Trichloroethene
Concen: 36.707 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

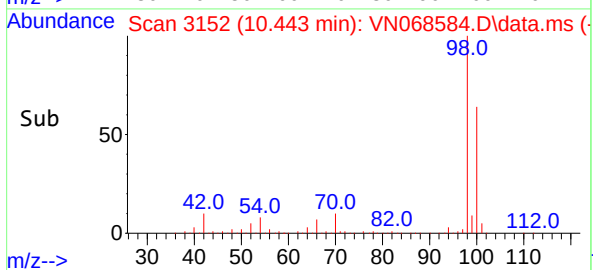
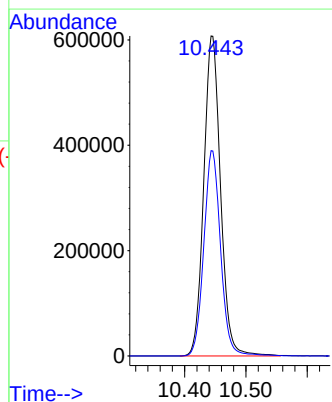
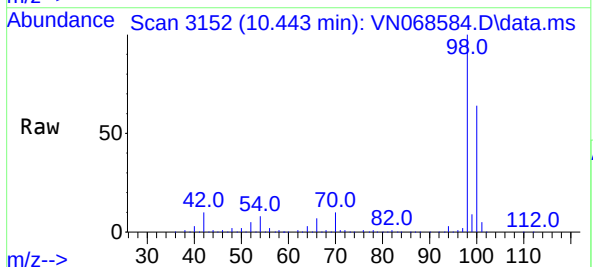
Instrument :
MSVOA_N
ClientSampled :

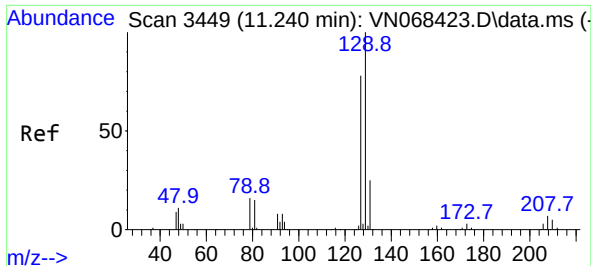
Tgt Ion:130 Resp: 281767
Ion Ratio Lower Upper
130 100
95 93.8 0.0 173.8



#50
Toluene-d8
Concen: 47.781 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion: 98 Resp: 1157009
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6

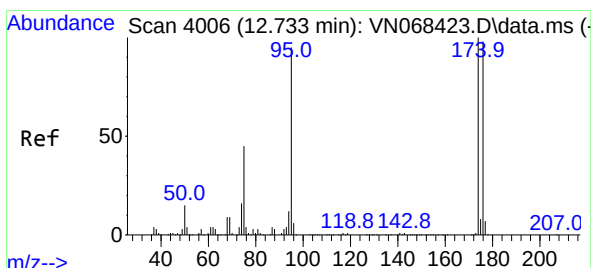
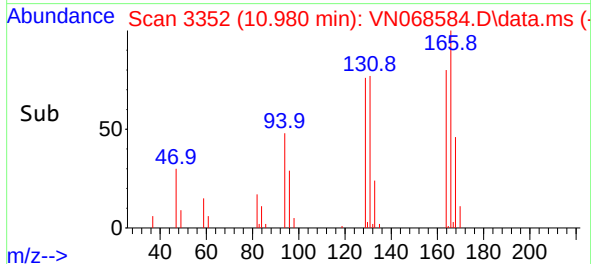
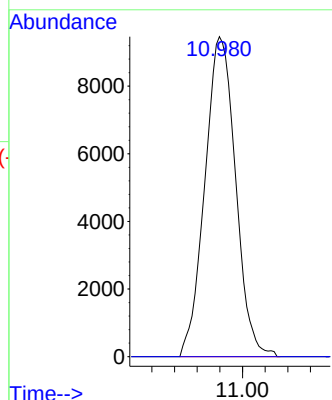
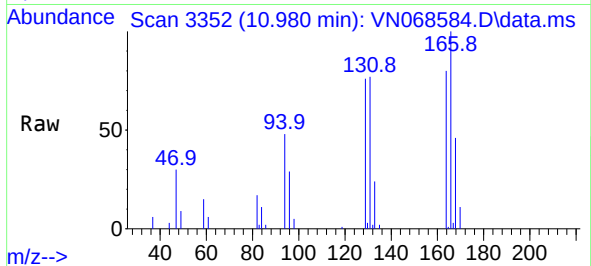




#60
Dibromochloromethane
Concen: 3.768 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

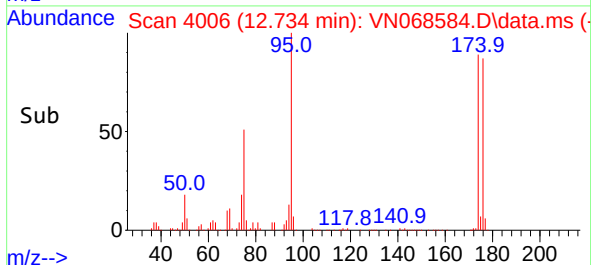
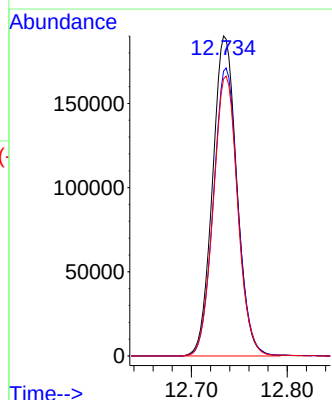
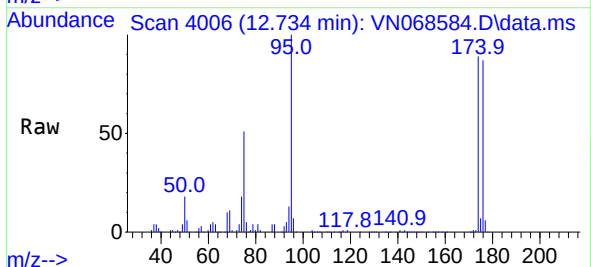
Instrument :
MSVOA_N
ClientSampled :

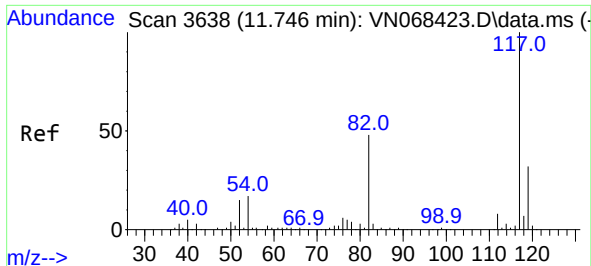
Tgt Ion:129 Resp: 17830
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 42.427 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion: 95 Resp: 334363
Ion Ratio Lower Upper
95 100
174 90.6 0.0 214.0
176 87.8 0.0 205.4

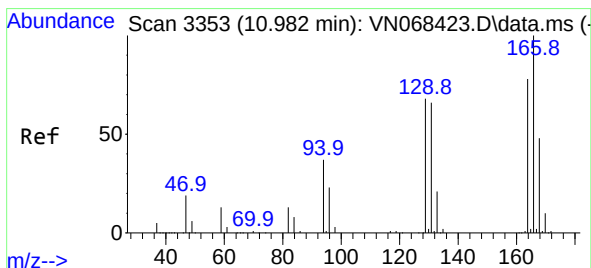
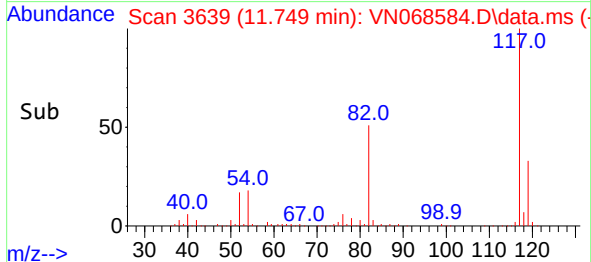
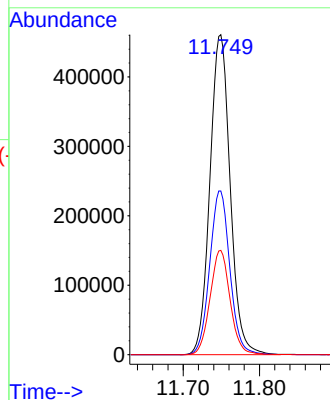
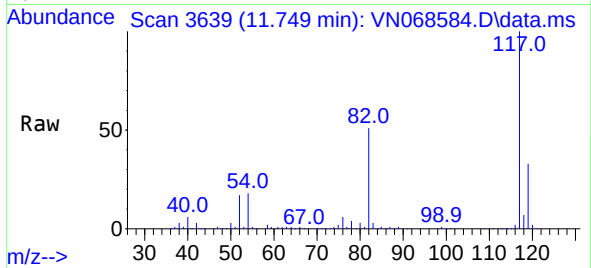




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

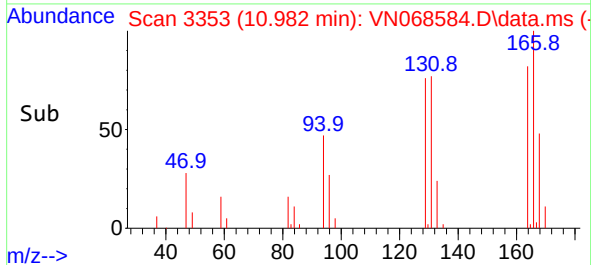
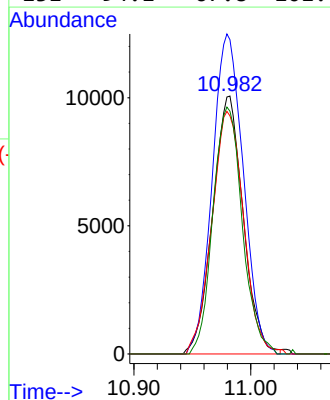
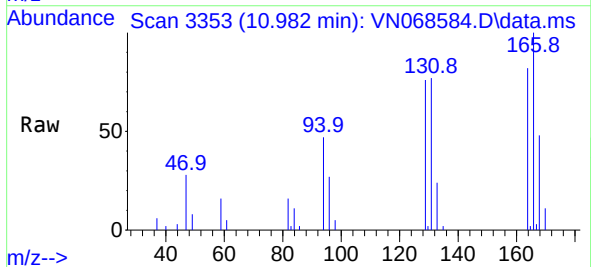
Instrument :
MSVOA_N
ClientSampled :

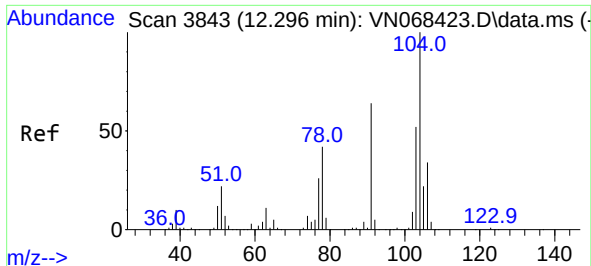
Tgt Ion:117 Resp: 851317
Ion Ratio Lower Upper
117 100
82 51.2 38.7 58.1
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 2.420 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion:164 Resp: 18258
Ion Ratio Lower Upper
164 100
166 121.8 102.9 154.3
129 92.3 70.1 105.1
131 94.1 67.8 101.6

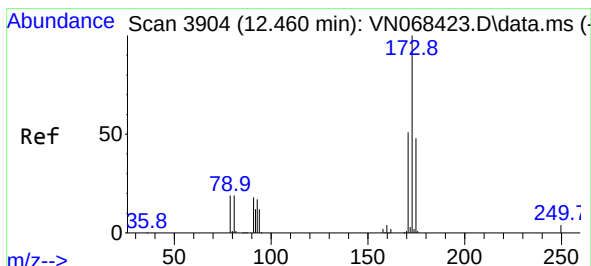
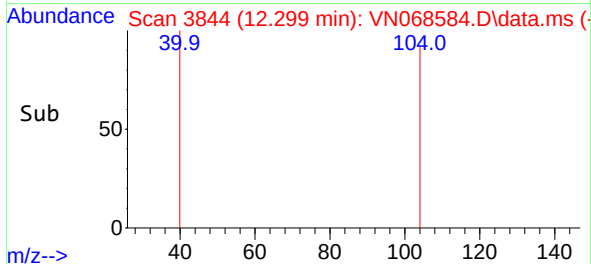
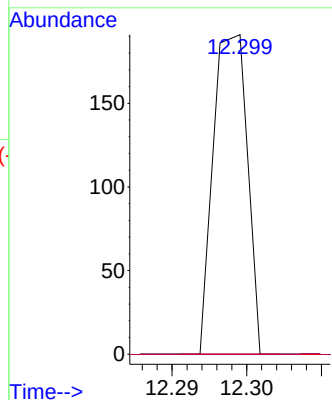
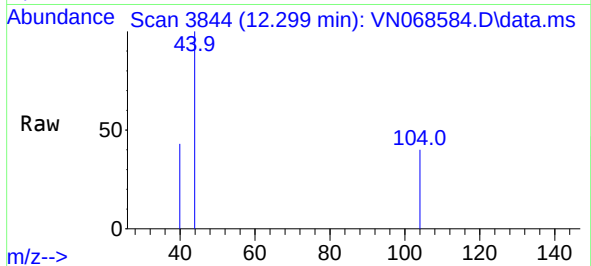




#70
Styrene
Concen: 1.757 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

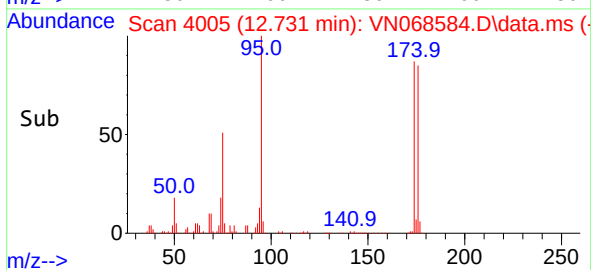
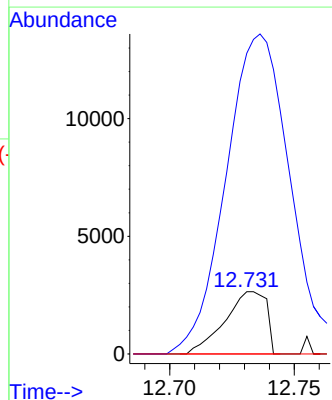
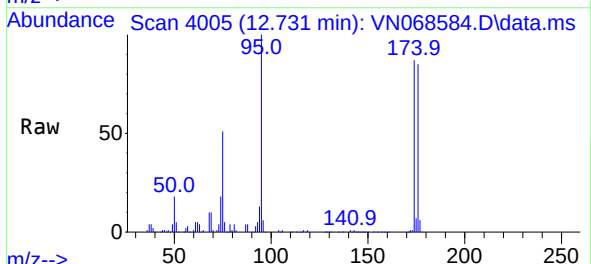
Instrument :
MSVOA_N
ClientSampled :

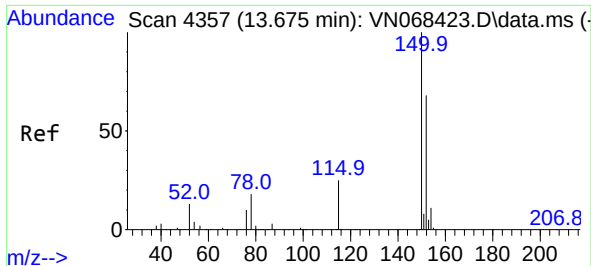
Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.977 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion:173 Resp: 3083
Ion Ratio Lower Upper
173 100
175 713.0 24.1 72.3#
254 0.0 0.0 0.0

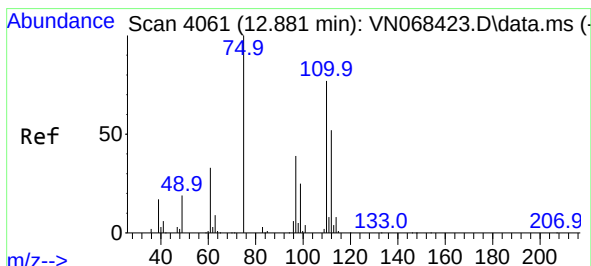
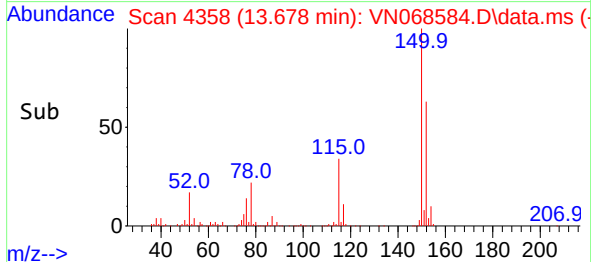
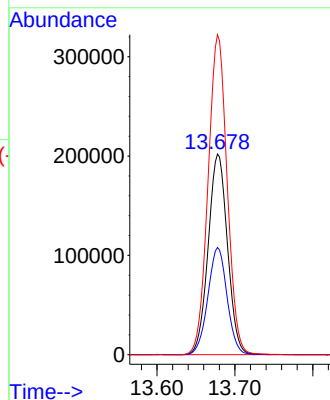
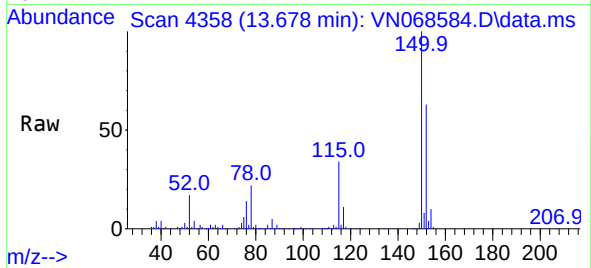




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

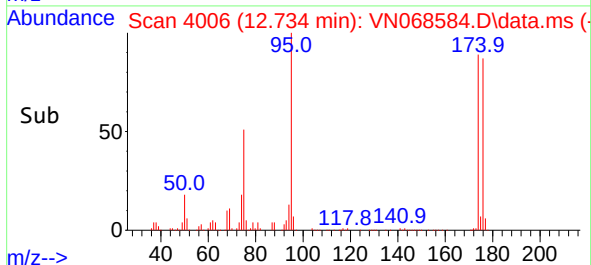
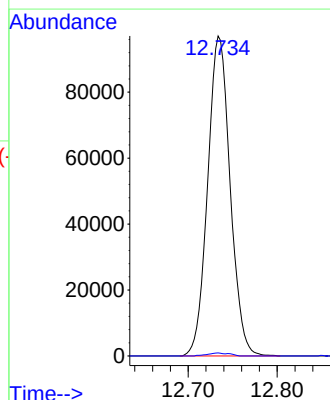
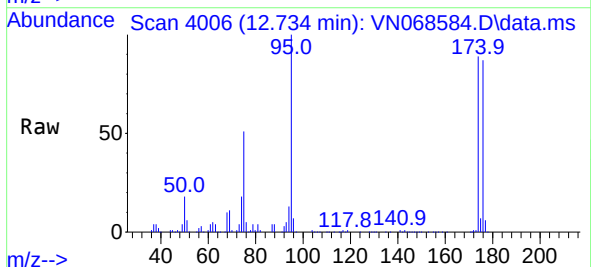
Instrument :
MSVOA_N
ClientSampled :

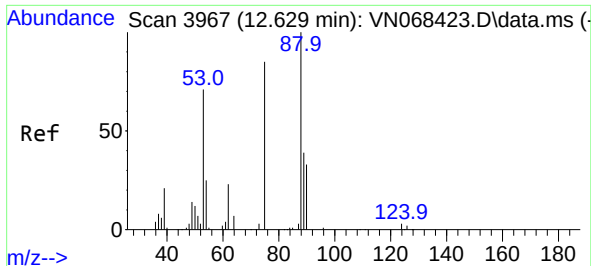
Tgt Ion:152 Resp: 348210
Ion Ratio Lower Upper
152 100
115 53.2 25.6 76.6
150 157.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 35.218 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

Tgt Ion: 75 Resp: 170194
Ion Ratio Lower Upper
75 100
77 0.7 100.9 302.7#

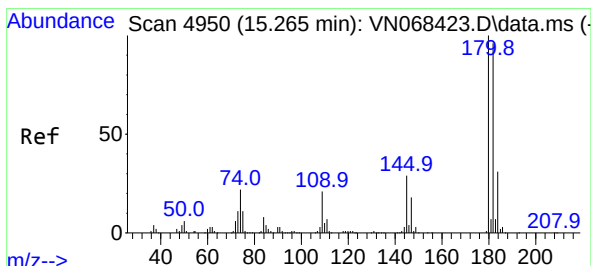
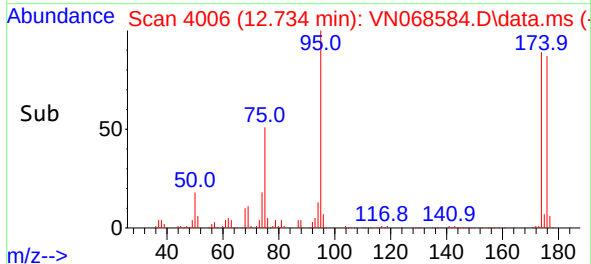
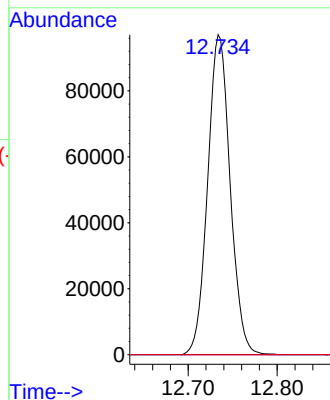
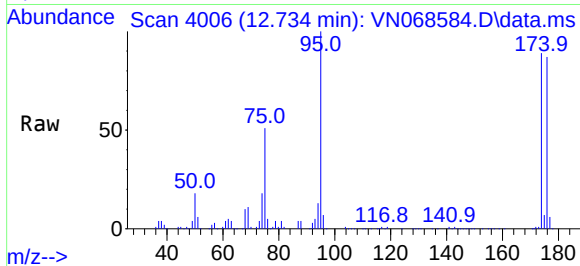




#81
trans-1,4-Dichloro-2-butene
Concen: 108.321 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

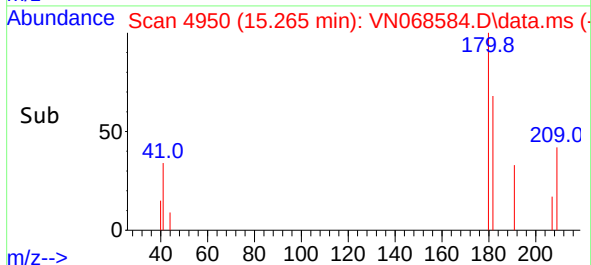
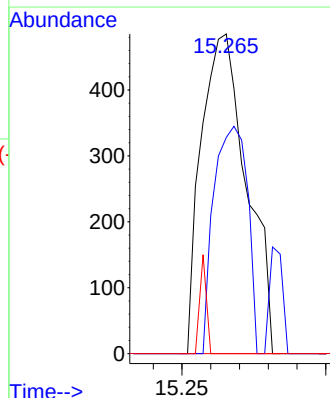
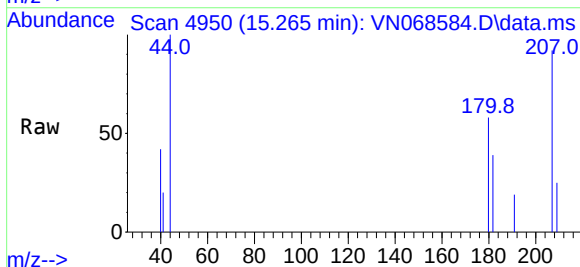
Instrument :
MSVOA_N
ClientSampled :

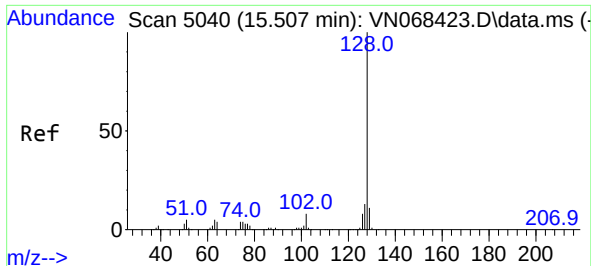
Tgt Ion: 75 Resp: 170194
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.036 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

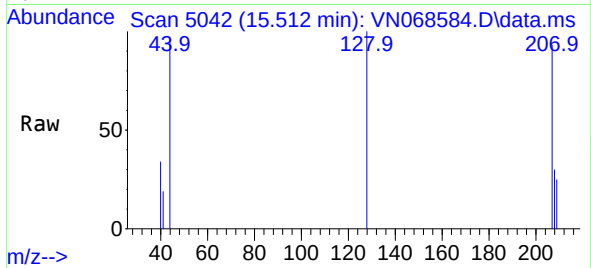
Tgt Ion:180 Resp: 532
Ion Ratio Lower Upper
180 100
182 52.4 47.5 142.6
145 4.5 14.1 42.4#



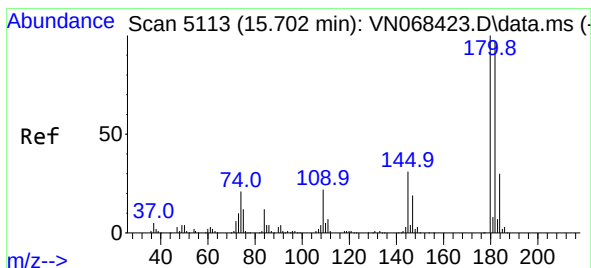
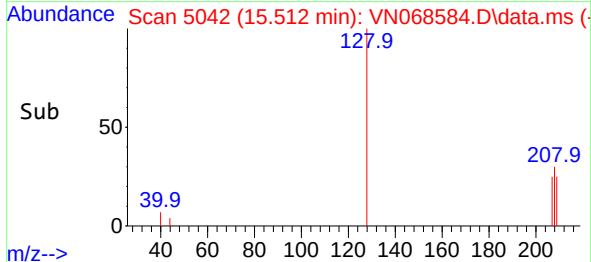
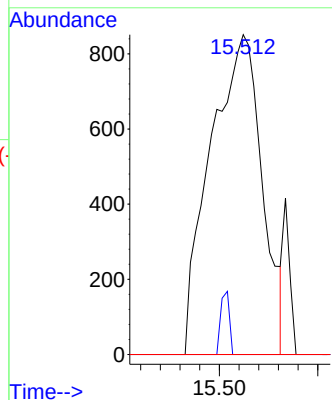


#95
Naphthalene
Concen: 3.601 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01

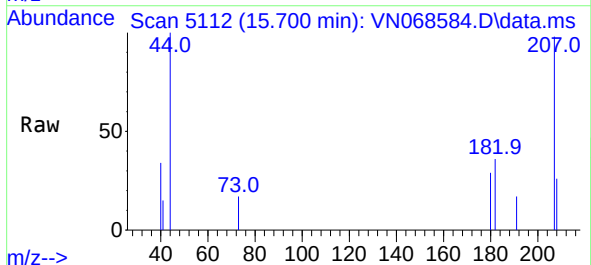
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1550
Ion Ratio Lower Upper
128 100
127 3.3 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.998 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN068584.D
Acq: 21 Sep 2021 16:01



Tgt Ion:180 Resp: 156
Ion Ratio Lower Upper
180 100
182 264.1 47.9 143.6#
145 0.0 15.2 45.5#

