

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068198.D
 Acq On : 18 Aug 2021 17:15
 Operator : JC/MD
 Sample : M3463-45
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-17-TB

Quant Time: Aug 19 03:07:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

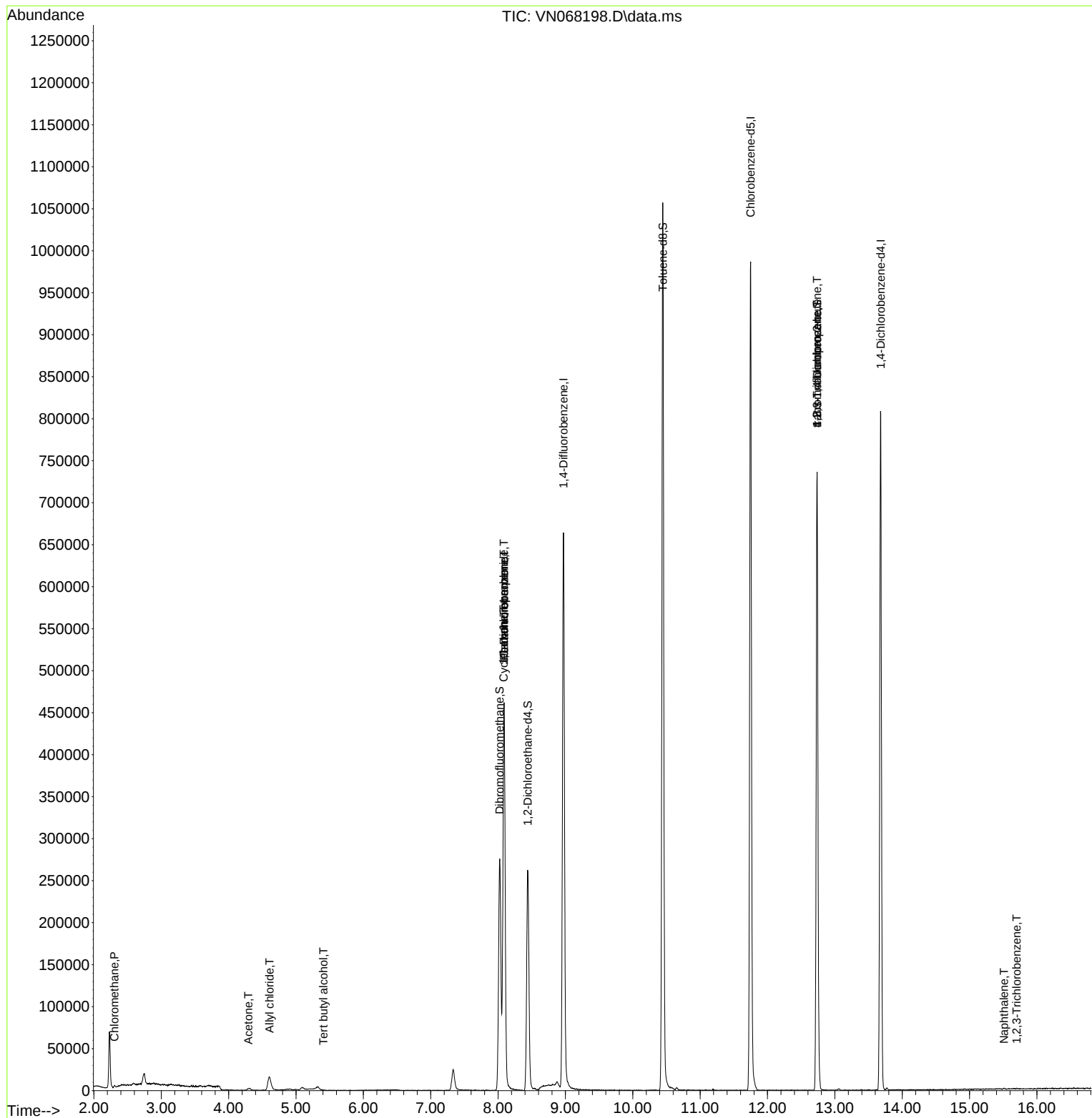
Internal Standards						
1) Pentafluorobenzene	8.091	168	386915	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	644317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	641451	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	246081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227877	55.160	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 110.320%		
35) Dibromofluoromethane	8.024	113	204415	50.533	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 101.060%		
50) Toluene-d8	10.446	98	781798	50.721	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.440%		
62) 4-Bromofluorobenzene	12.736	95	253445	49.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 98.780%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	1543	0.445	ug/l	94
5) Bromomethane	2.837	94	222	Below Cal	#	4
6) Chloroethane	3.084	64	87	Below Cal	#	44
11) Tert butyl alcohol	5.406	59	202	0.392	ug/l	# 71
13) Acrolein	4.044	56	107	Below Cal	#	14
14) Allyl chloride	4.607	41	2815	0.702	ug/l	# 74
16) Acetone	4.293	43	2250	1.865	ug/l	97
18) Methyl Acetate	4.862	43	257	Below Cal	#	64
20) Methylene Chloride	5.090	84	2159	Below Cal	#	62
31) Cyclohexane	8.083	56	7013	1.289	ug/l	# 12
36) 1,1-Dichloropropene	8.086	75	25875	4.913	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	36896	6.074	ug/l	# 17
76) 1,2,3-Trichloropropane	12.736	75	127067	31.067	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	127067	101.780	ug/l	# 6
95) Naphthalene	15.509	128	912	3.432	ug/l	# 76
96) 1,2,3-Trichlorobenzene	15.700	180	26	2.838	ug/l	# 1

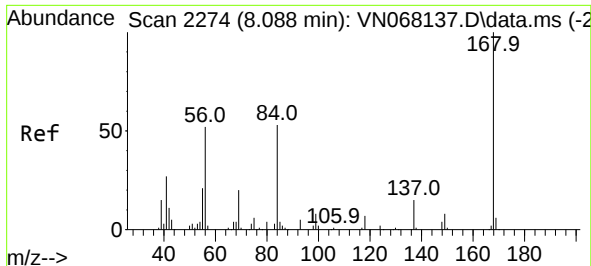
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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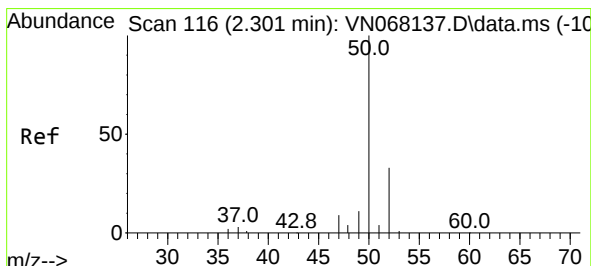
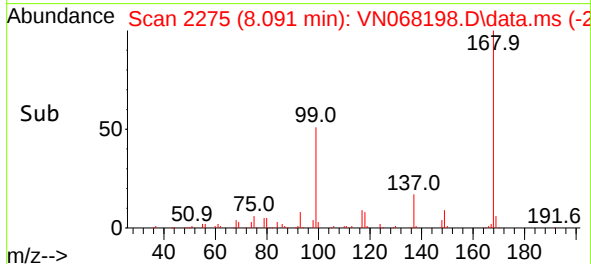
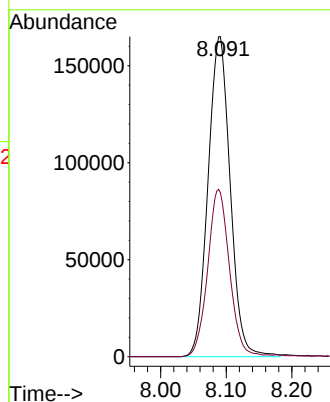
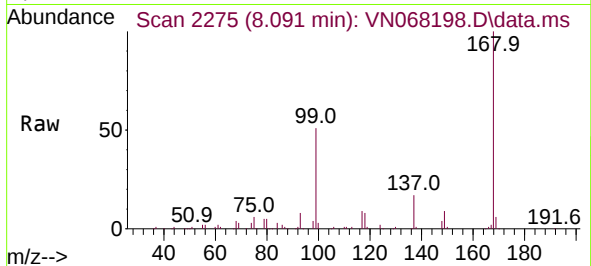




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

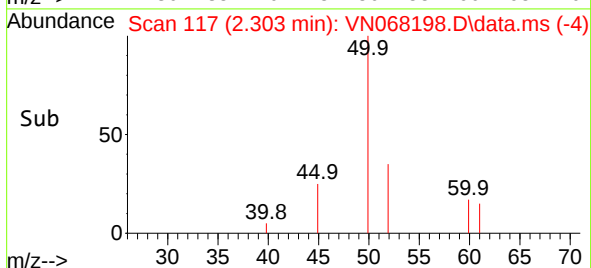
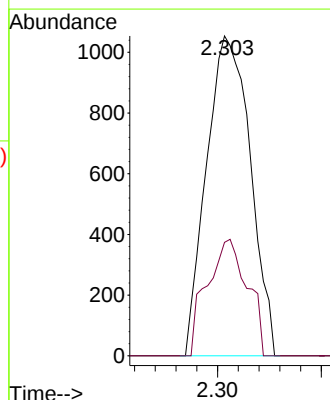
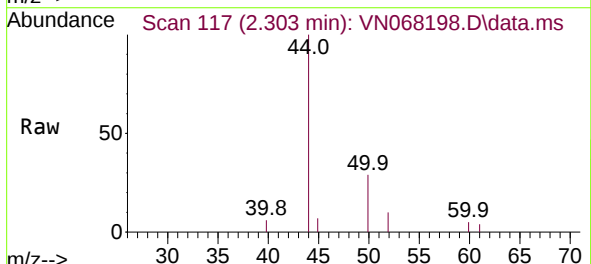
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-TB

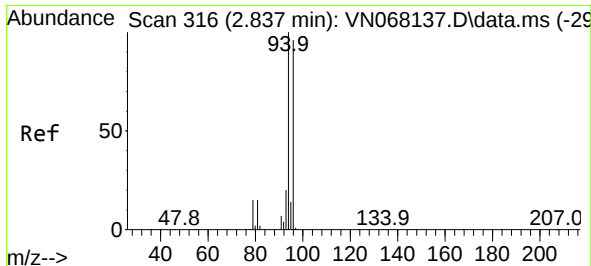
Tgt Ion:168 Resp: 386915
Ion Ratio Lower Upper
168 100
99 51.3 62.9 94.3#



#3
Chloromethane
Concen: 0.445 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 50 Resp: 1543
Ion Ratio Lower Upper
50 100
52 35.5 25.6 38.4

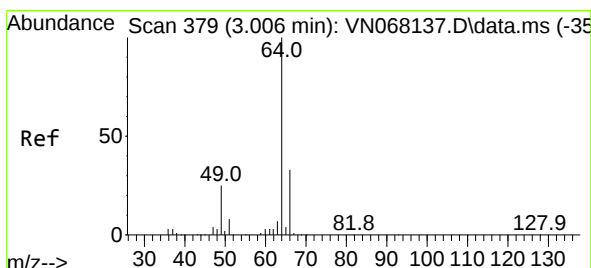
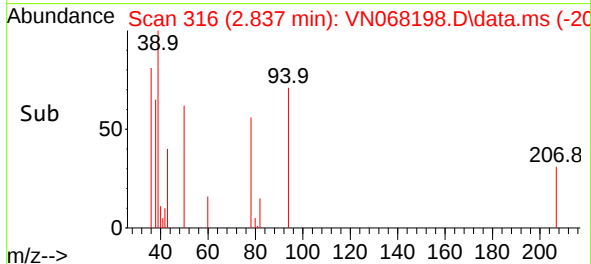
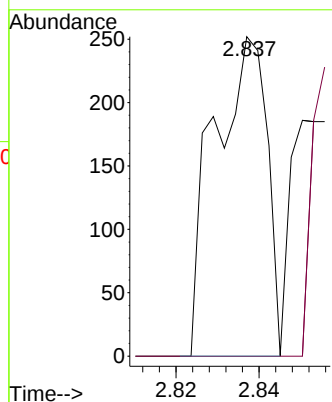
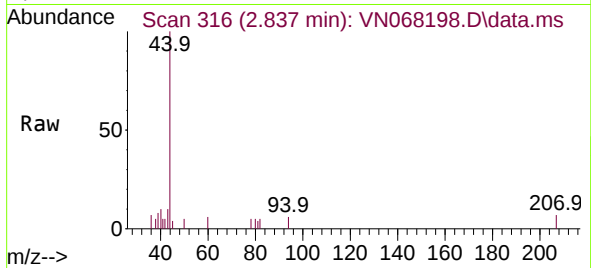




#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.000 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

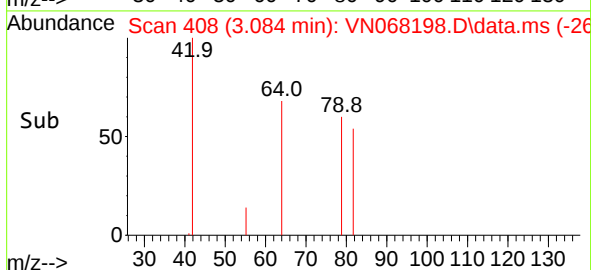
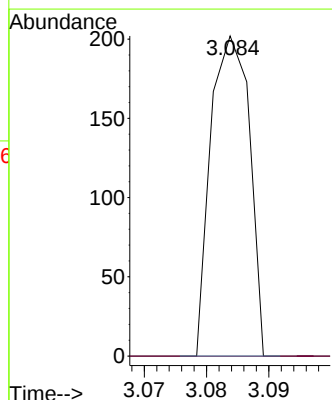
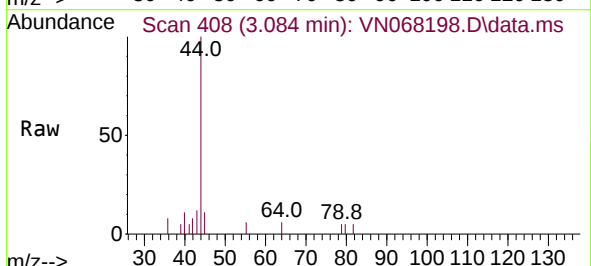
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-TB

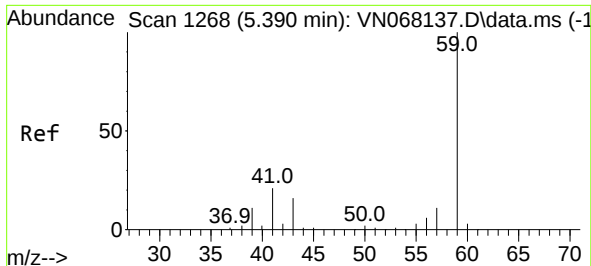
Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.084 min Scan# 408
Delta R.T. 0.078 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



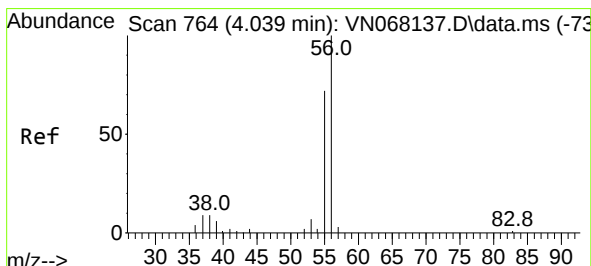
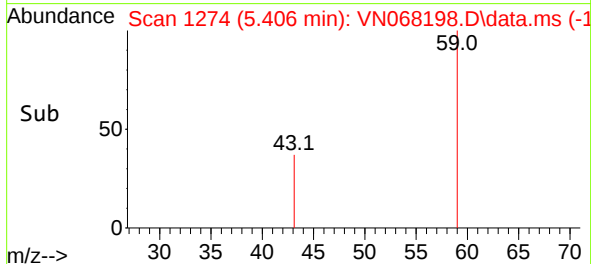
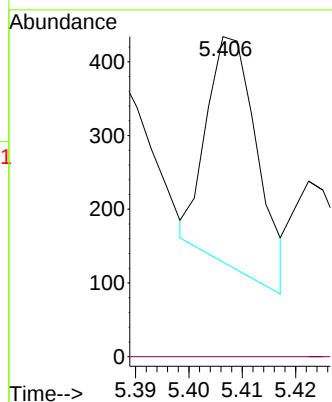
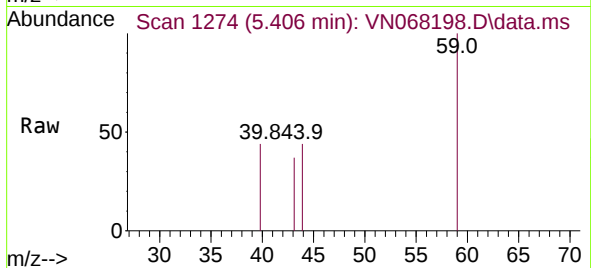


#11

Tert butyl alcohol
Concen: 0.392 ug/l
RT: 5.406 min Scan# 1274
Delta R.T. 0.016 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Instrument :
MSVOA_N
ClientSampled :
2021-08-17-TB

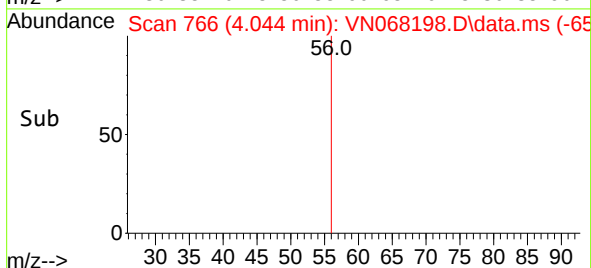
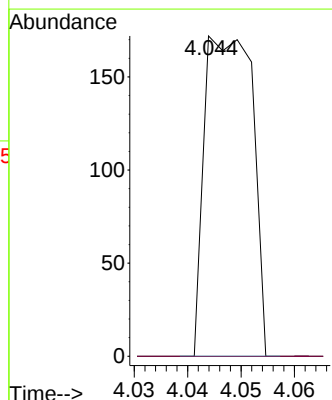
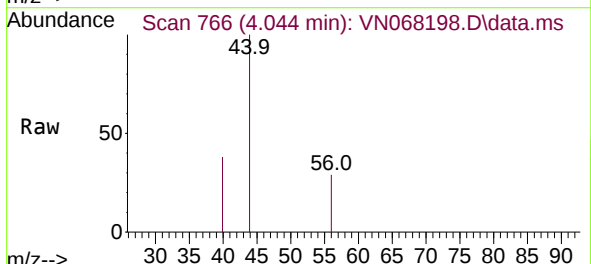
Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

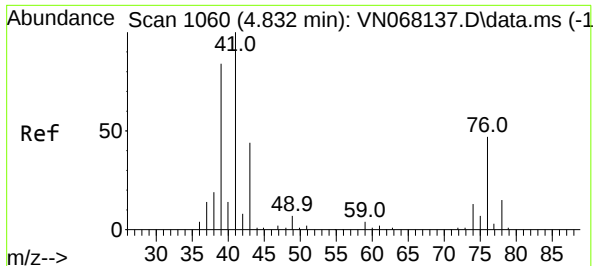


#13

Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#





#14

Allyl chloride

Concen: 0.702 ug/l

RT: 4.607 min Scan# 976

Delta R.T. -0.225 min

Lab File: VN068198.D

Acq: 18 Aug 2021 17:15

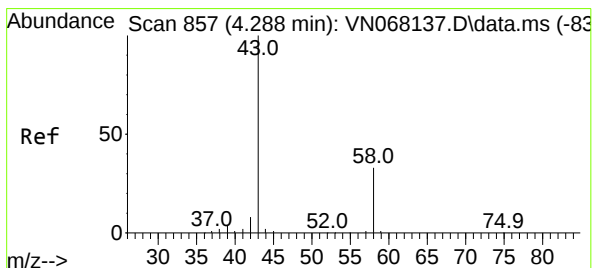
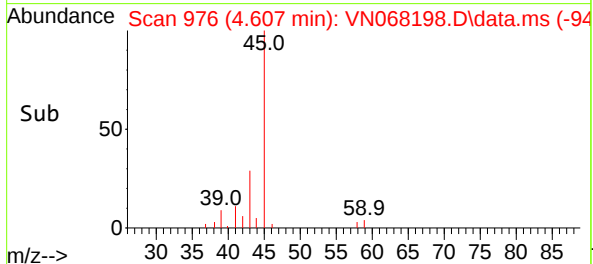
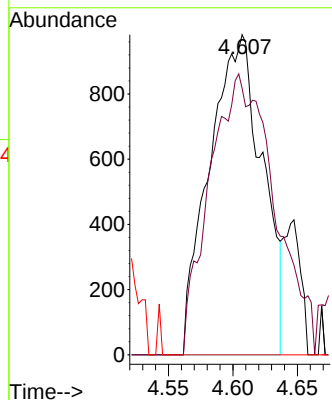
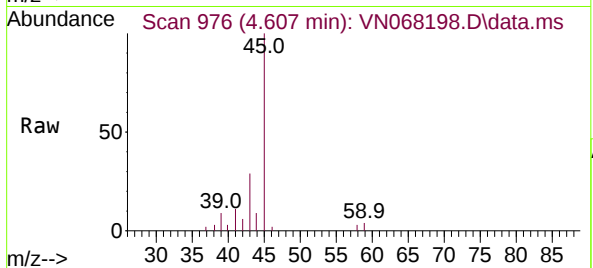
Instrument :

MSVOA_N

ClientSampleId :

2021-08-17-TB

Tgt Ion:	41	Resp:	2815
Ion	Ratio	Lower	Upper
41	100		
39	63.5	60.9	91.3
76	0.0	24.3	36.5#



#16

Acetone

Concen: 1.865 ug/l

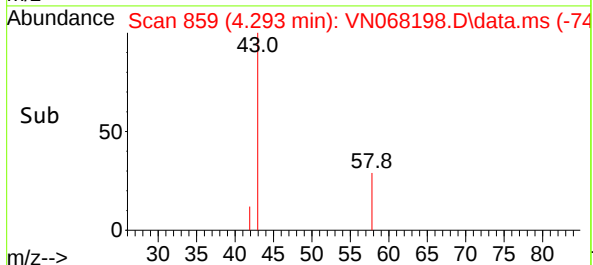
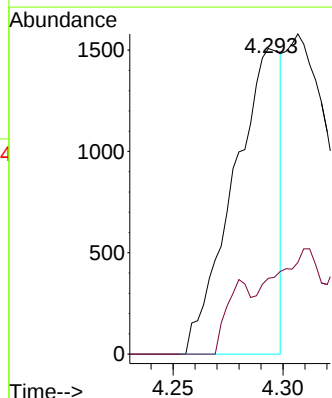
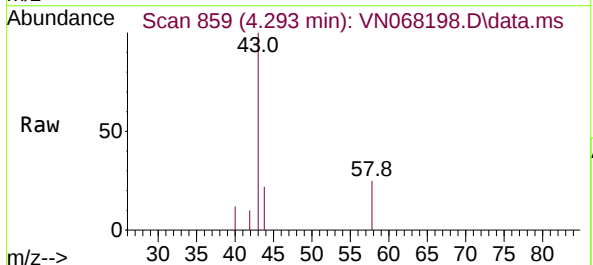
RT: 4.293 min Scan# 859

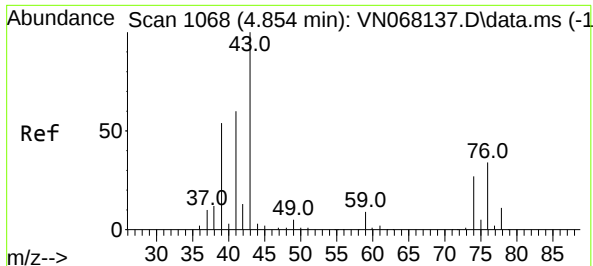
Delta R.T. 0.005 min

Lab File: VN068198.D

Acq: 18 Aug 2021 17:15

Tgt Ion:	43	Resp:	2250
Ion	Ratio	Lower	Upper
43	100		
58	24.8	21.2	31.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN068198.D

Acq: 18 Aug 2021 17:15

Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

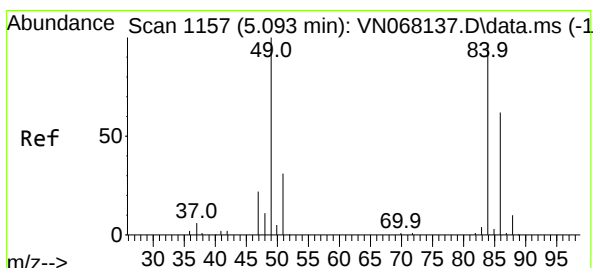
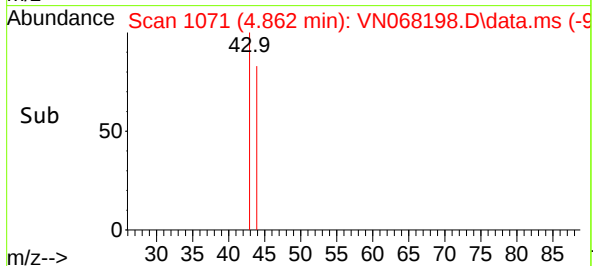
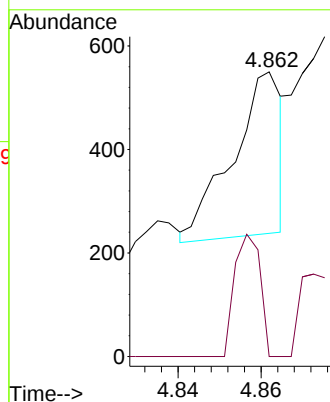
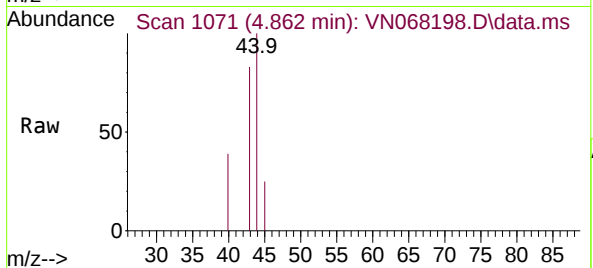
74 38.9 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :

2021-08-17-TB



#20

Methylene Chloride

Concen: Below Cal

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068198.D

Acq: 18 Aug 2021 17:15

Tgt Ion: 84 Resp: 2159

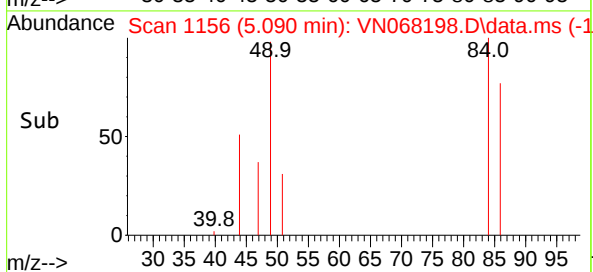
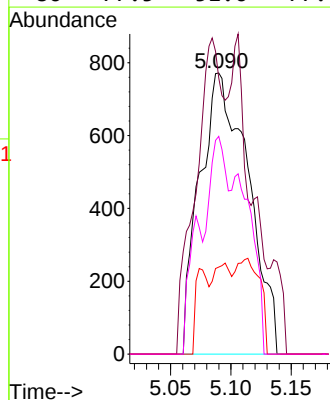
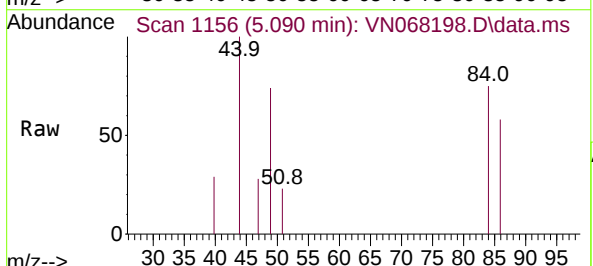
Ion Ratio Lower Upper

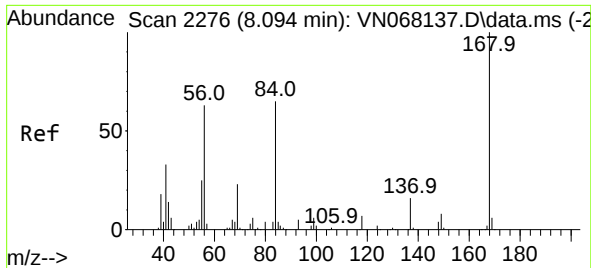
84 100

49 72.0 110.9 166.3#

51 31.0 32.6 49.0#

86 77.5 51.6 77.4#

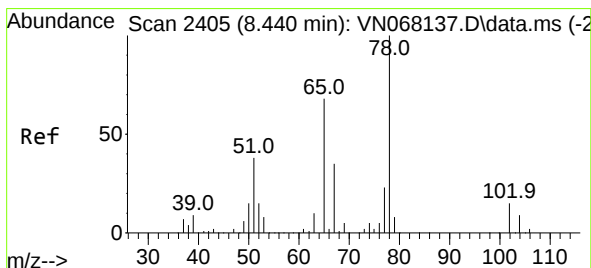
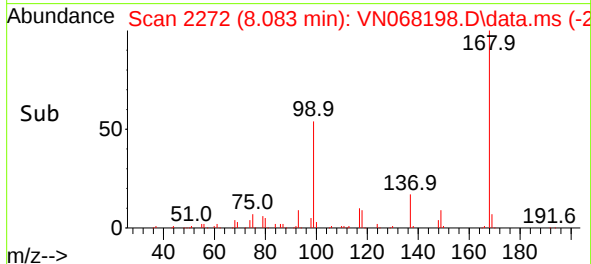
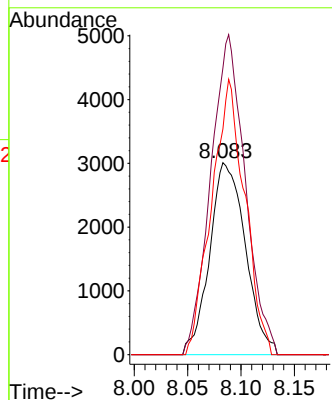
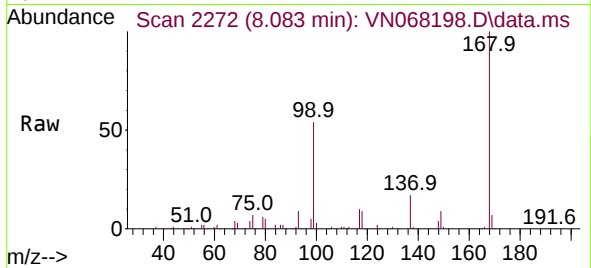




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

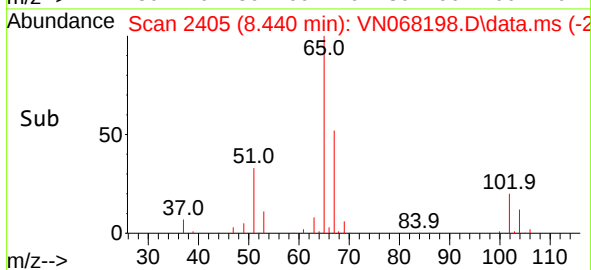
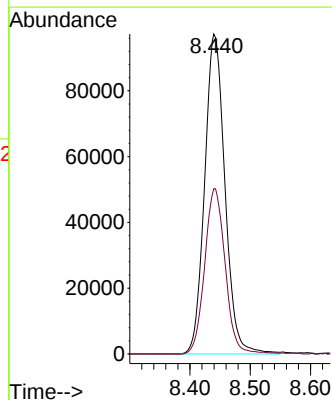
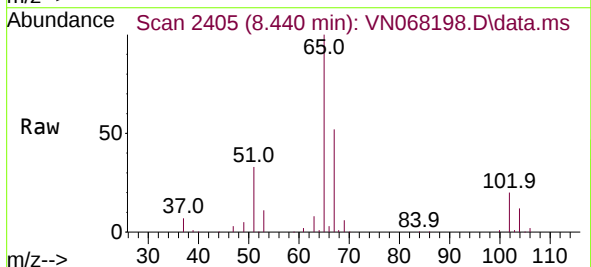
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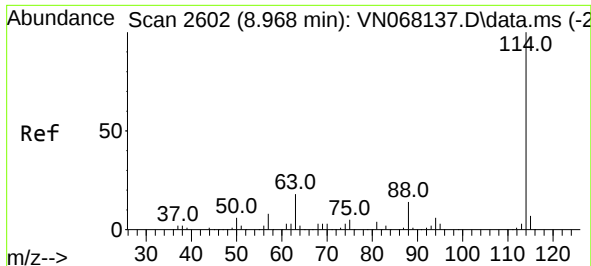
Tgt Ion: 56 Resp: 7013
Ion Ratio Lower Upper
56 100
69 149.3 27.3 40.9#
84 117.6 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.160 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 65 Resp: 227877
Ion Ratio Lower Upper
65 100
67 51.8 0.0 98.6

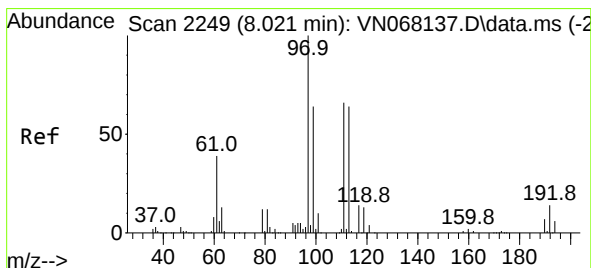
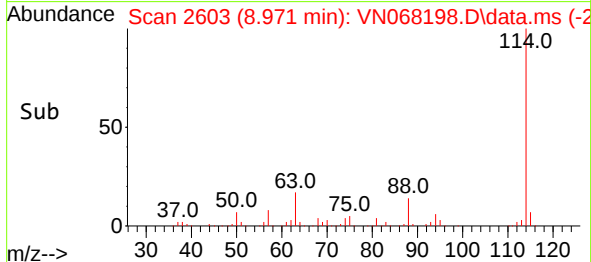
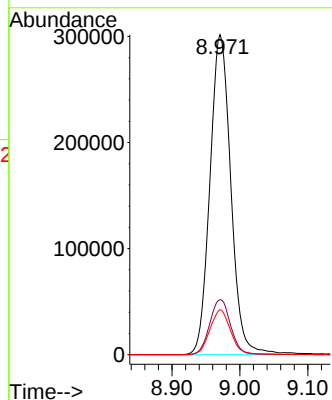
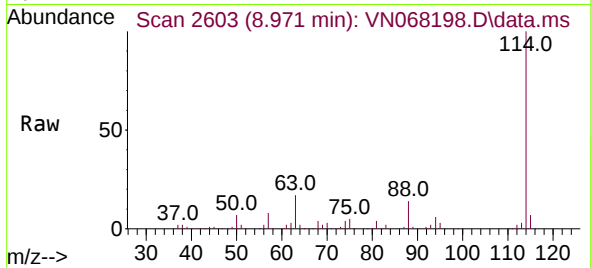




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

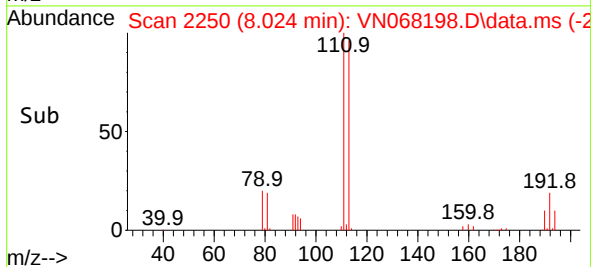
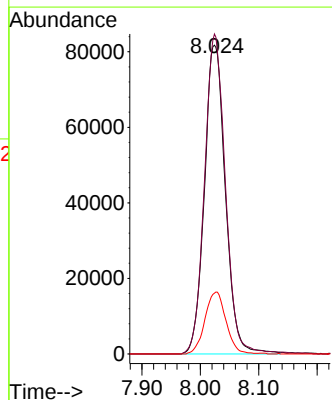
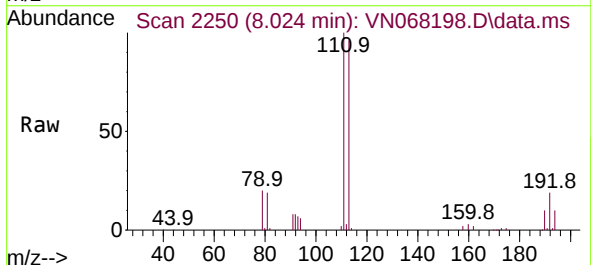
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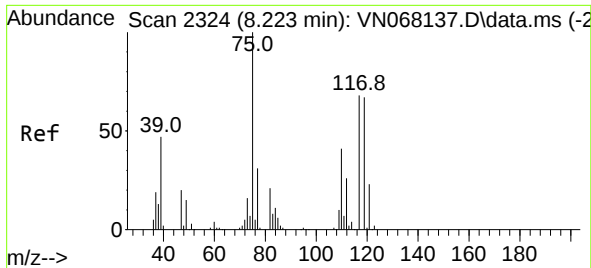
Tgt Ion:114 Resp: 644317
Ion Ratio Lower Upper
114 100
63 17.2 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.533 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion:113 Resp: 204415
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 20.1 13.4 20.0#

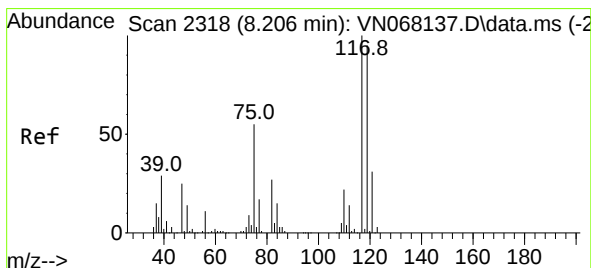
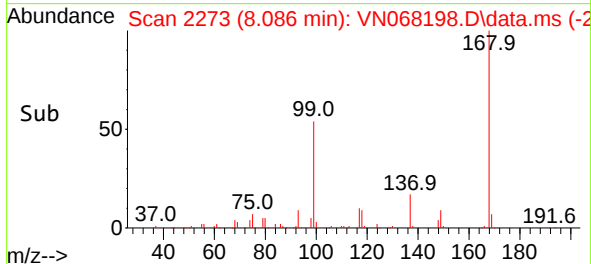
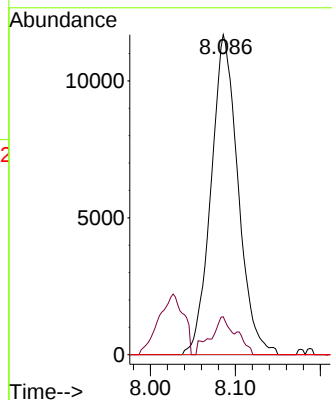
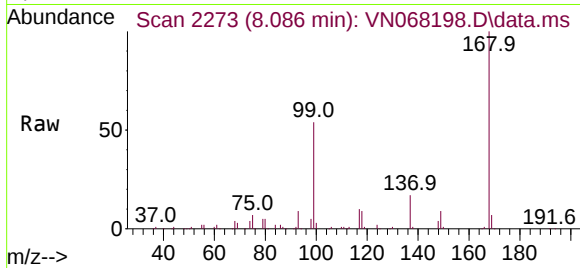




#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

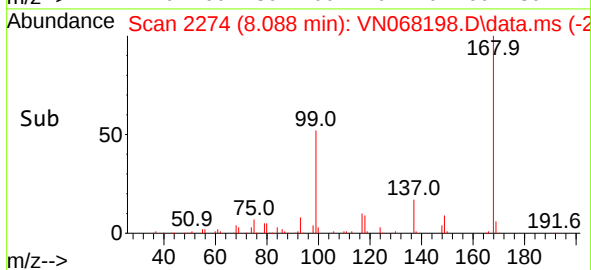
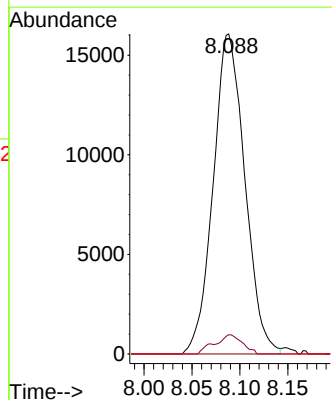
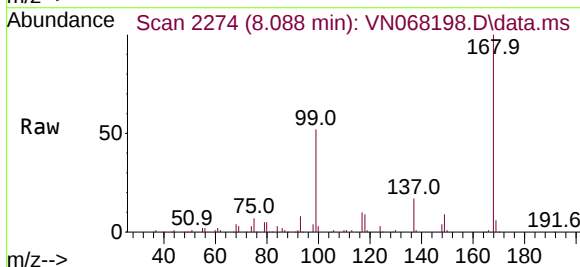
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-TB

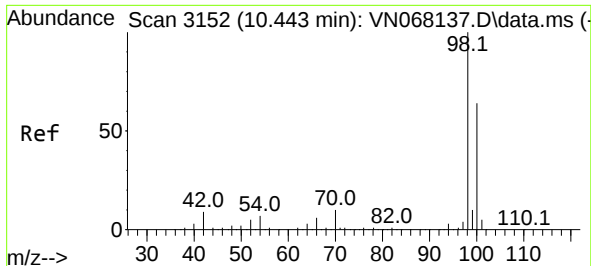
Tgt Ion: 75 Resp: 25875
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 117 Resp: 36896
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#

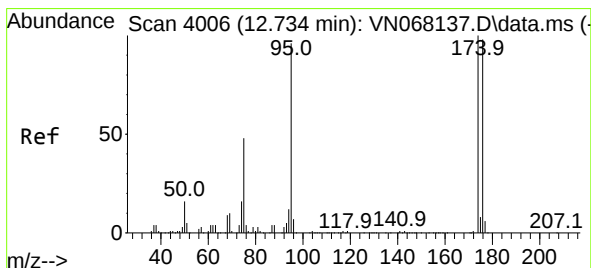
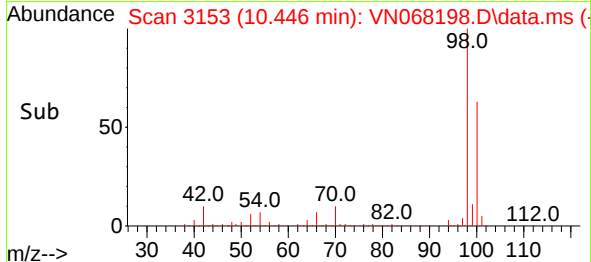
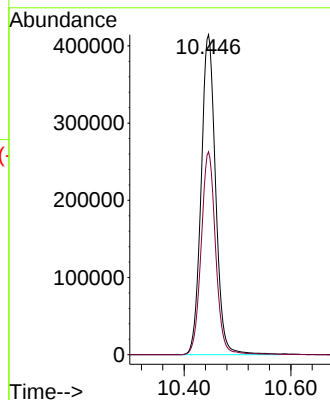
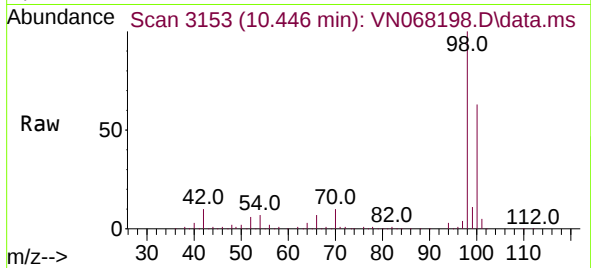




#50
Toluene-d8
Concen: 50.721 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

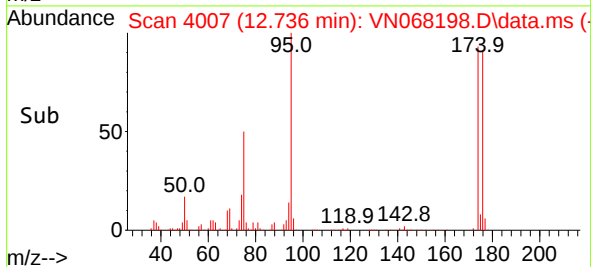
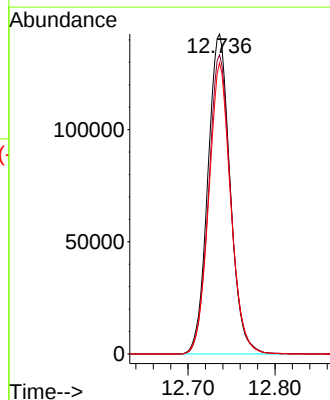
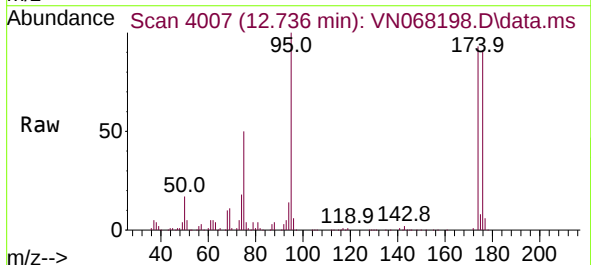
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-TB

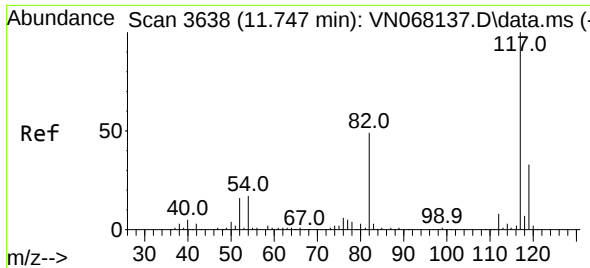
Tgt Ion: 98 Resp: 781798
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.394 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 95 Resp: 253445
Ion Ratio Lower Upper
95 100
174 93.1 0.0 122.0
176 89.7 0.0 117.6

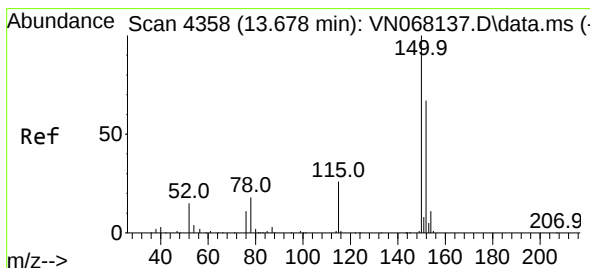
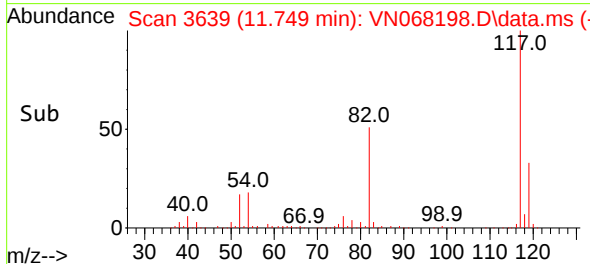
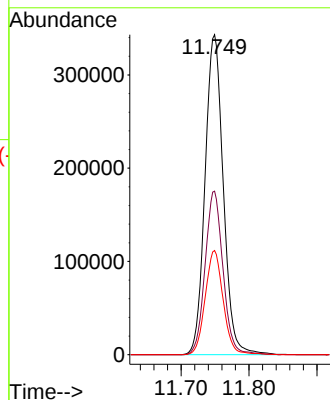
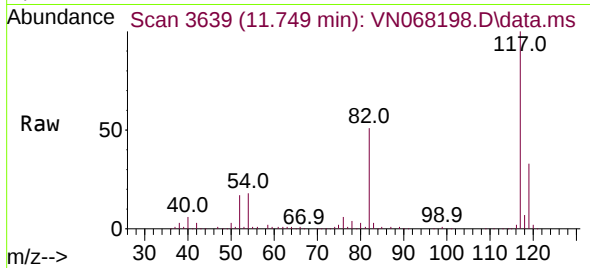




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

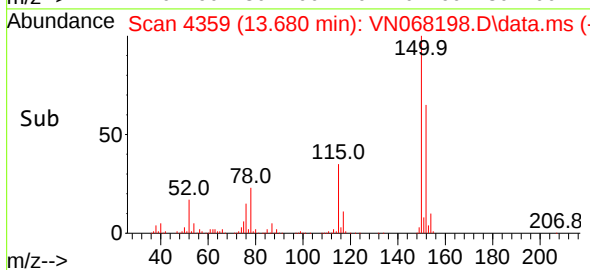
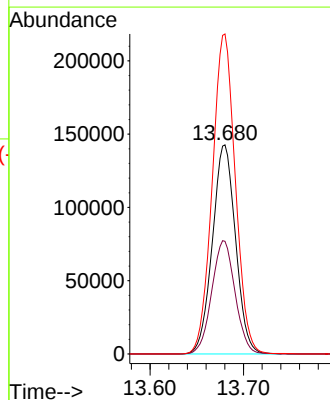
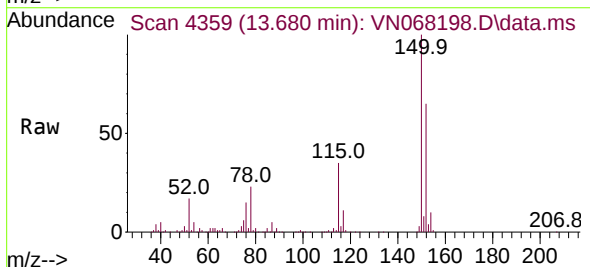
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-TB

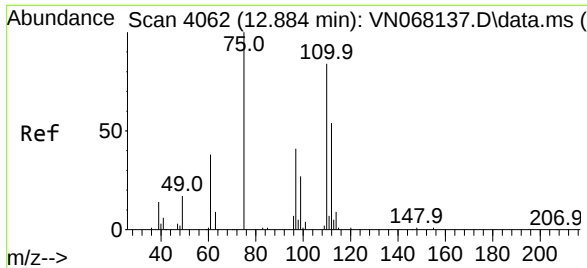
Tgt Ion:117 Resp: 641451
Ion Ratio Lower Upper
117 100
82 51.1 53.1 79.7#
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion:152 Resp: 246081
Ion Ratio Lower Upper
152 100
115 54.6 36.1 108.5
150 152.5 0.0 351.8

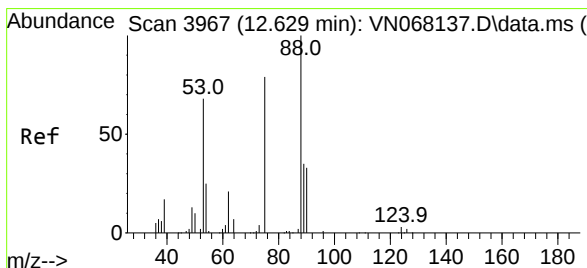
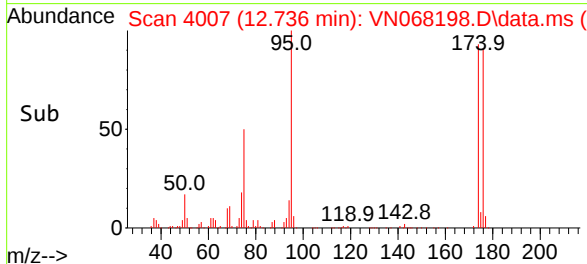
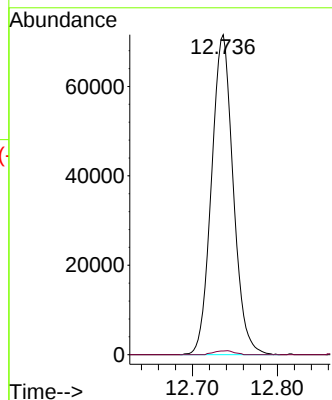
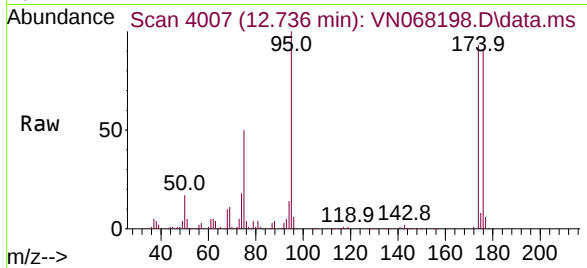




#76
1,2,3-Trichloropropane
Concen: 31.067 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

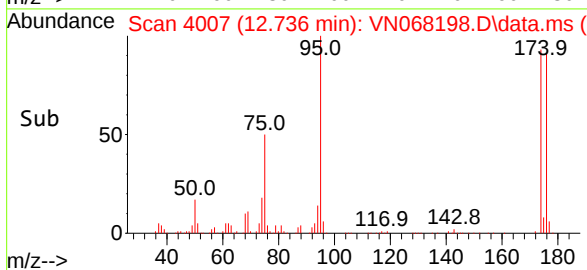
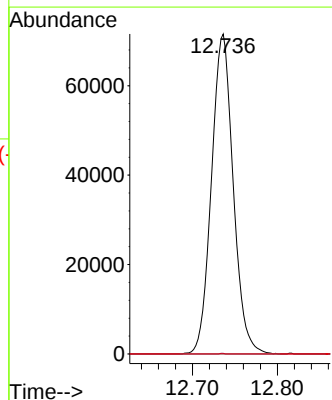
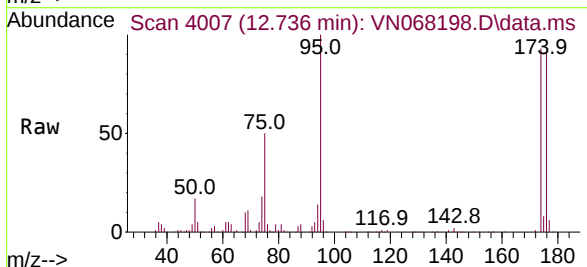
Instrument :
MSVOA_N
ClientSampled :
2021-08-17-TB

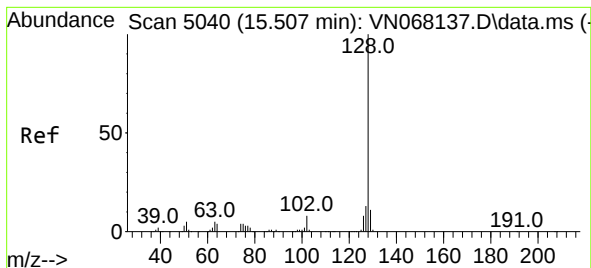
Tgt Ion: 75 Resp: 127067
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.780 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion: 75 Resp: 127067
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

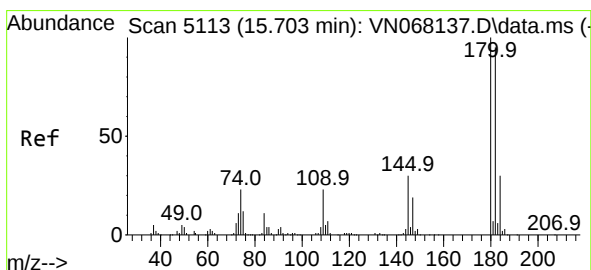
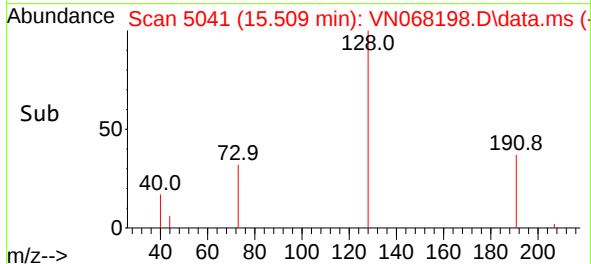
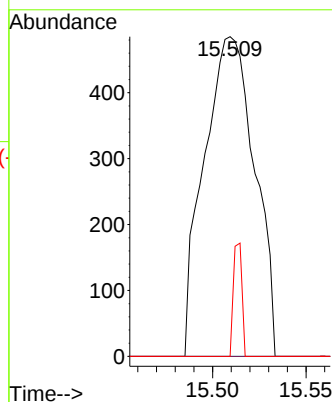
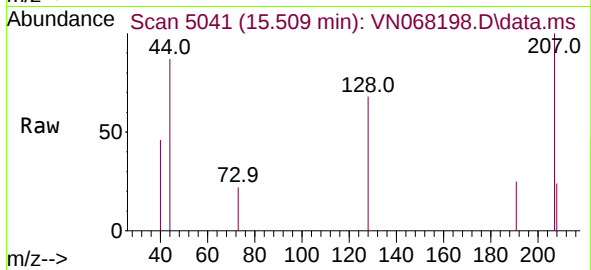




#95
Naphthalene
Concen: 3.432 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Instrument :
MSVOA_N
ClientSampled :
2021-08-17-TB

Tgt Ion:128 Resp: 912
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 6.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.838 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068198.D
Acq: 18 Aug 2021 17:15

Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 307.7 47.8 143.3#
145 0.0 18.2 54.6#

