

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068194.D
 Acq On : 18 Aug 2021 15:35
 Operator : JC/MD
 Sample : M3435-33
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:07:10 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

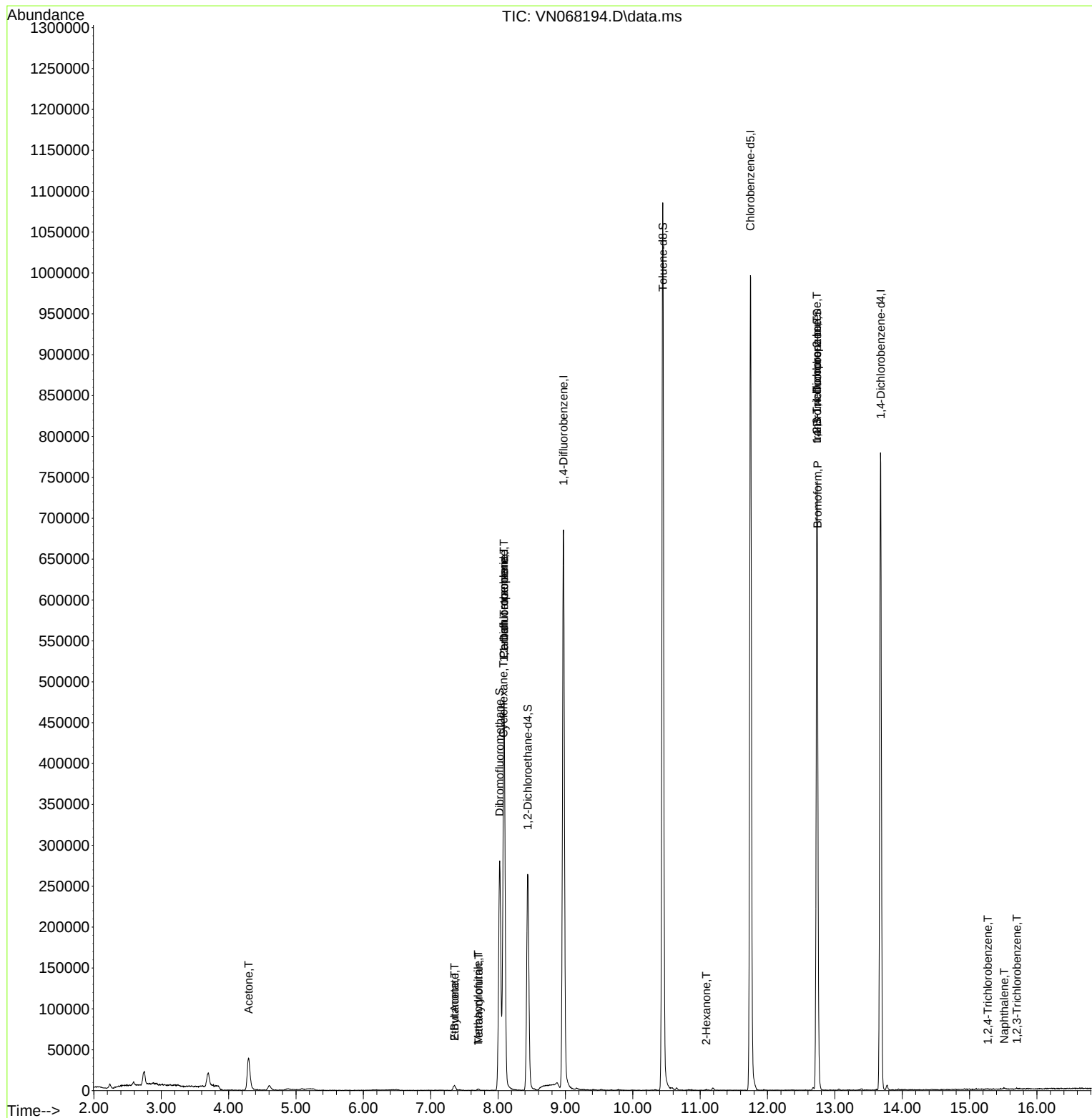
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	397160	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	655408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	650709	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	233298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	223951	52.811	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.620%		
35) Dibromofluoromethane	8.024	113	201530	48.977	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.960%		
50) Toluene-d8	10.446	98	803857	51.270	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.540%		
62) 4-Bromofluorobenzene	12.736	95	251301	48.147	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 96.300%		
Target Compounds						Qvalue
5) Bromomethane	2.834	94	27	Below Cal	#	4
6) Chloroethane	3.011	64	50	Below Cal	#	44
13) Acrolein	4.046	56	273	Below Cal	#	75
16) Acetone	4.296	43	75254	60.781	ug/l	# 86
18) Methyl Acetate	4.864	43	893	Below Cal	#	69
20) Methylene Chloride	5.084	84	225	Below Cal	#	53
25) 2-Butanone	7.353	43	8907	4.616	ug/l	92
29) Tetrahydrofuran	7.713	42	991	0.803	ug/l	# 88
31) Cyclohexane	8.077	56	2548	0.456	ug/l	# 5
36) 1,1-Dichloropropene	8.085	75	26646	4.973	ug/l	# 45
37) Ethyl Acetate	7.353	43	8907	1.951	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	36429	5.895	ug/l	# 16
41) Methacrylonitrile	7.702	41	567	0.272	ug/l	# 34
59) 2-Hexanone	11.092	43	708	0.227	ug/l	74
71) Bromoform	12.741	173	997	0.247	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	128331	33.095	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	128331	108.425	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	211	2.736	ug/l	# 51
95) Naphthalene	15.515	128	1694	3.517	ug/l	# 81
96) 1,2,3-Trichlorobenzene	15.702	180	411	2.936	ug/l	# 47

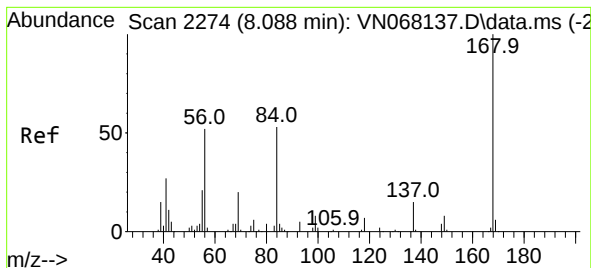
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068194.D

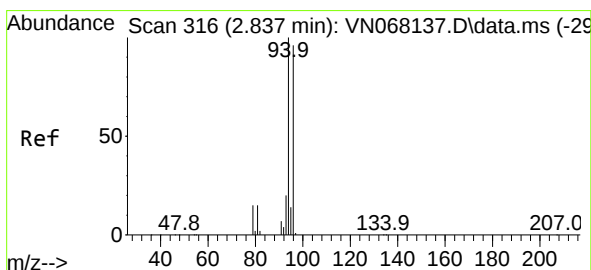
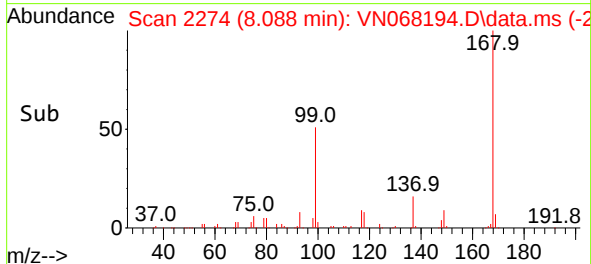
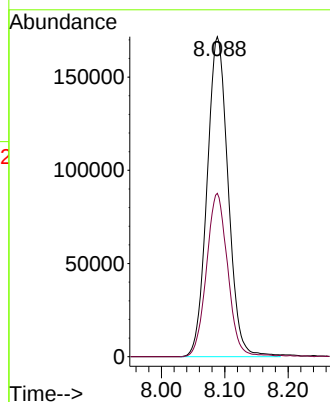
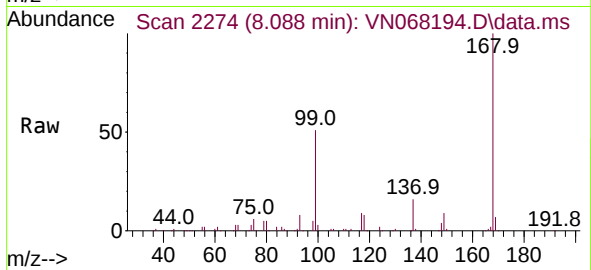
Acq: 18 Aug 2021 15:35

Tgt Ion:168 Resp: 397160

Ion Ratio Lower Upper

168 100

99 51.1 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.834 min Scan# 315

Delta R.T. -0.003 min

Lab File: VN068194.D

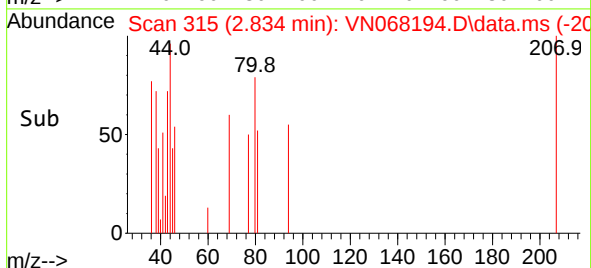
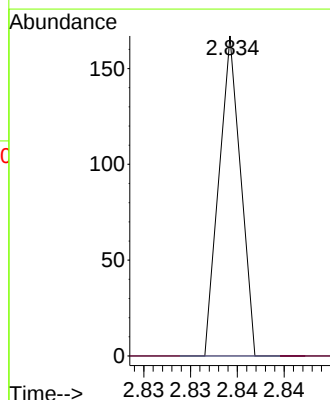
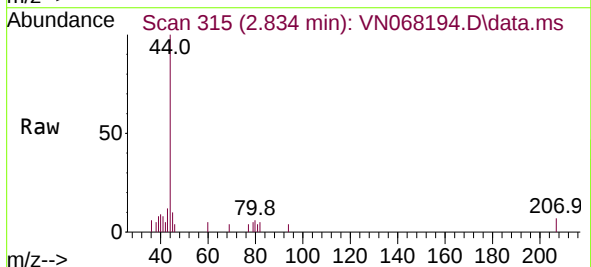
Acq: 18 Aug 2021 15:35

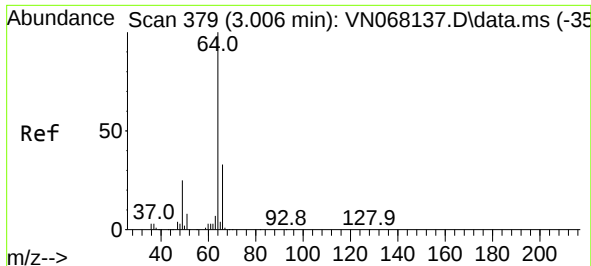
Tgt Ion: 94 Resp: 27

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

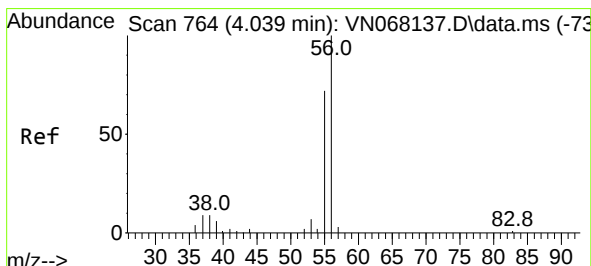
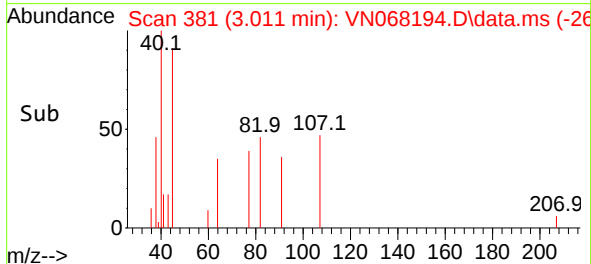
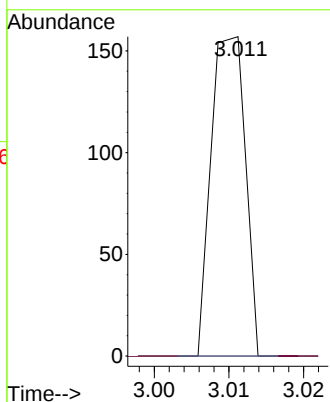
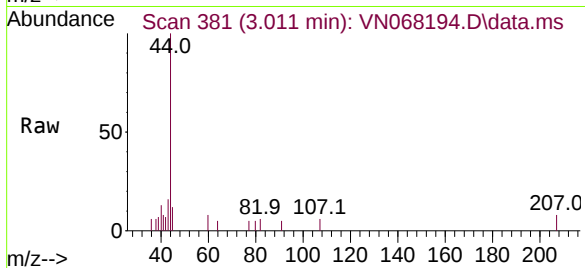




#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

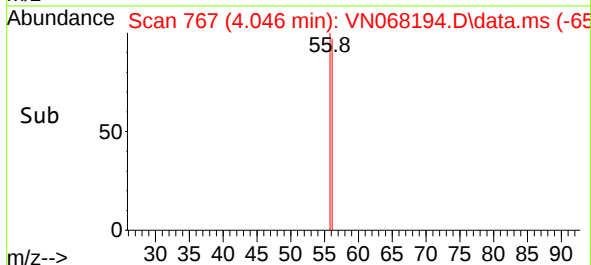
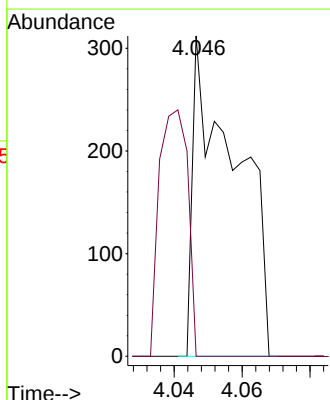
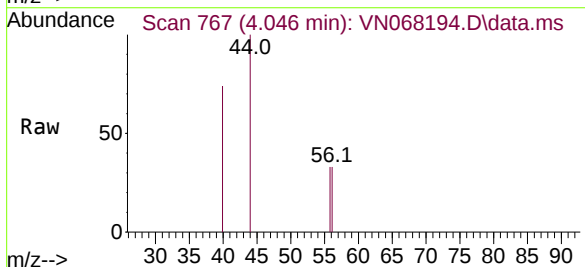
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 767
Delta R.T. 0.007 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 50.9 57.4 86.0#

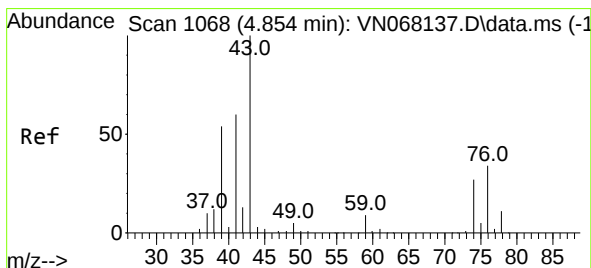
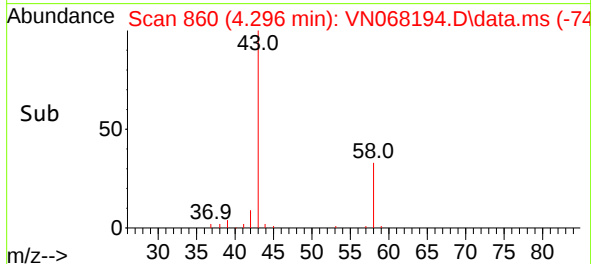
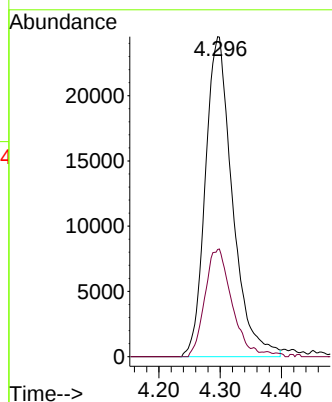
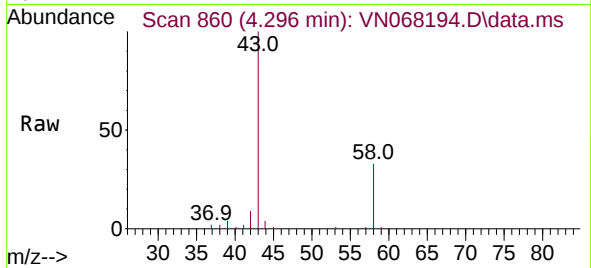




#16
Acetone
Concen: 60.781 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

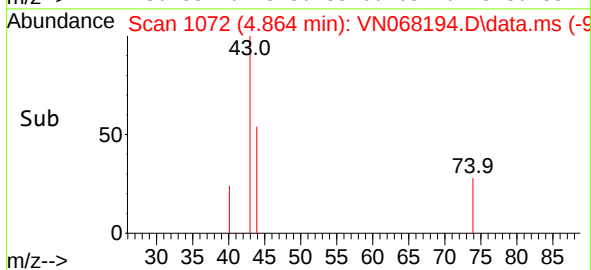
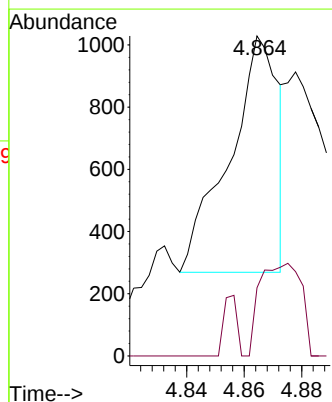
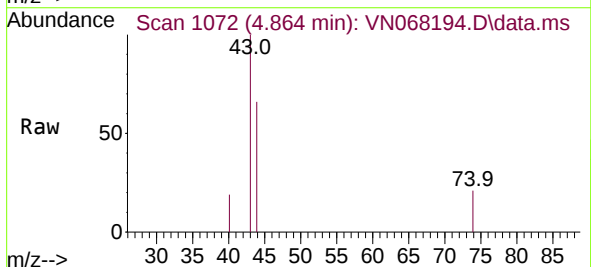
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 75254
Ion Ratio Lower Upper
43 100
58 33.5 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.864 min Scan# 1072
Delta R.T. 0.010 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 6.9 17.4 26.0#

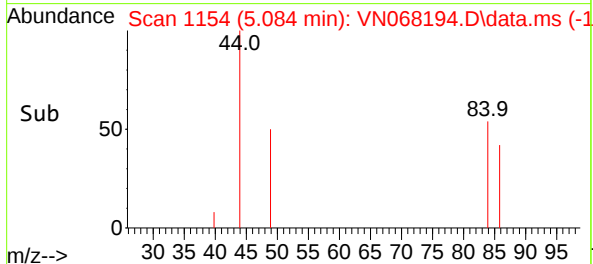
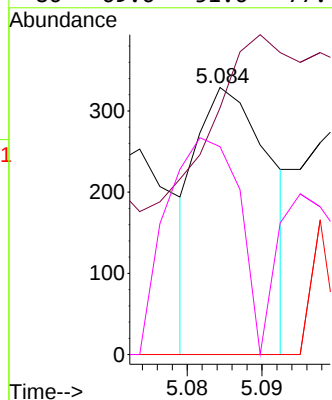
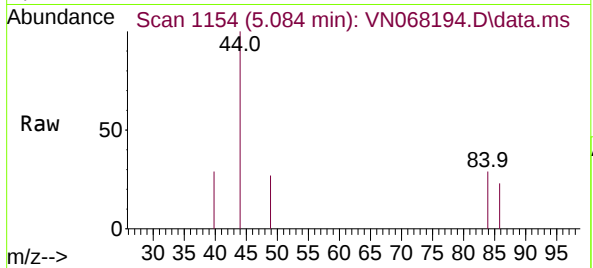




#20
Methylene Chloride
Concen: Below Cal
RT: 5.084 min Scan# 1154
Delta R.T. -0.009 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

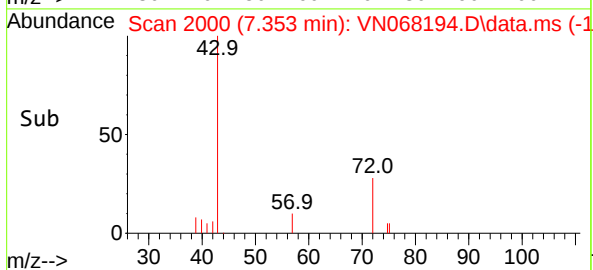
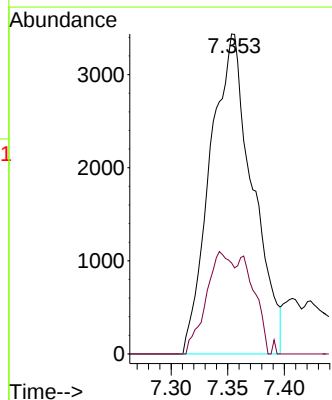
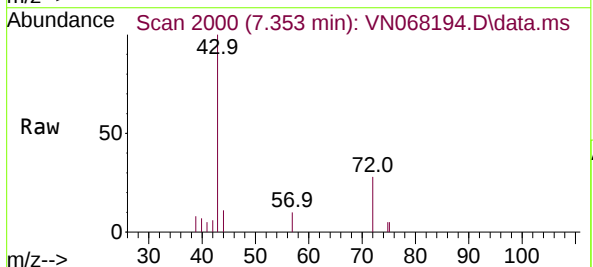
Instrument :
MSVOA_N
ClientSampled :

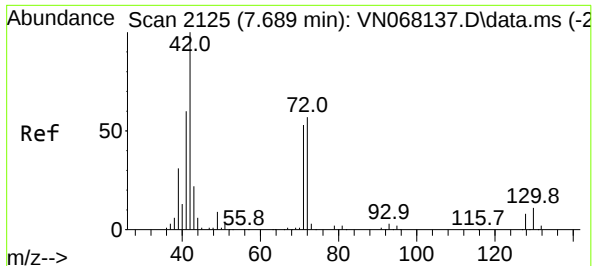
Tgt Ion: 84	Resp: 225
Ion Ratio	Lower Upper
84 100	
49 65.2	110.9 166.3#
51 0.0	32.6 49.0#
86 69.6	51.6 77.4



#25
2-Butanone
Concen: 4.616 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 43	Resp: 8907		
Ion Ratio	Lower	Upper	
43 100			
72 28.5	19.7	29.5	





#29

Tetrahydrofuran

Concen: 0.803 ug/l

RT: 7.713 min Scan# 2134

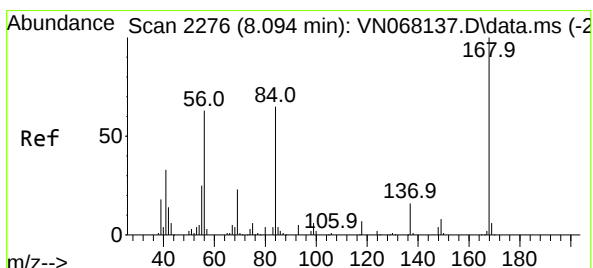
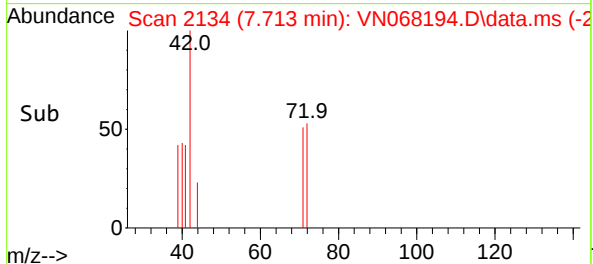
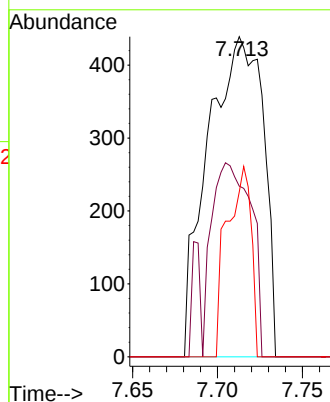
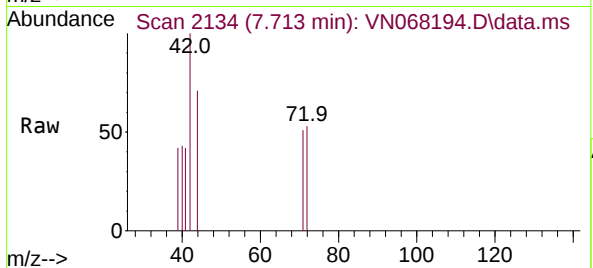
Delta R.T. 0.024 min

Lab File: VN068194.D

Acq: 18 Aug 2021 15:35

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	991
Ion	Ratio	Lower	Upper
42	100		
72	43.4	32.8	49.2
71	26.2	31.2	46.8#



#31

Cyclohexane

Concen: 0.456 ug/l

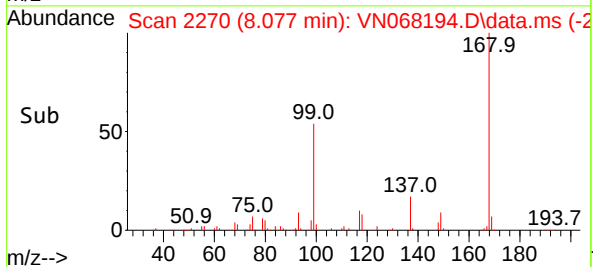
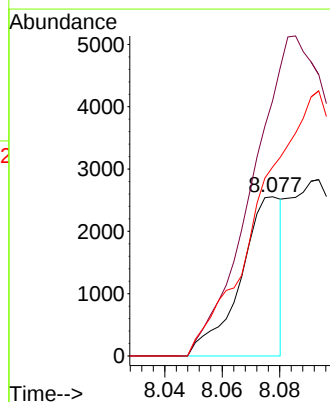
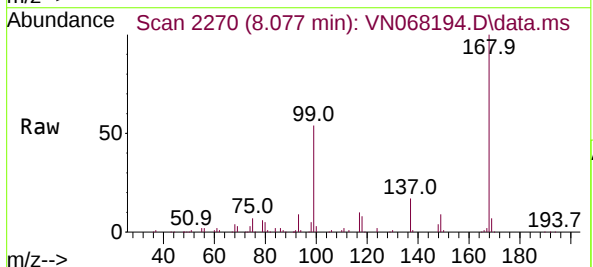
RT: 8.077 min Scan# 2270

Delta R.T. -0.017 min

Lab File: VN068194.D

Acq: 18 Aug 2021 15:35

Tgt Ion:	56	Resp:	2548
Ion	Ratio	Lower	Upper
56	100		
69	160.1	27.3	40.9#
84	118.6	64.9	97.3#

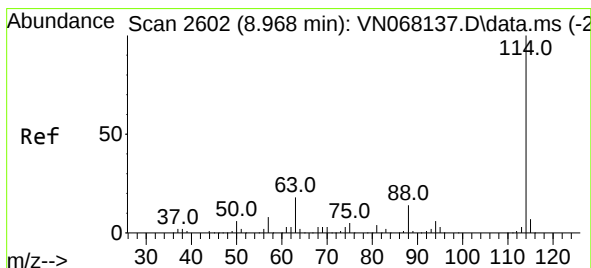
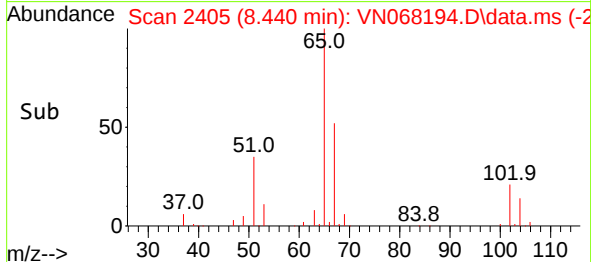
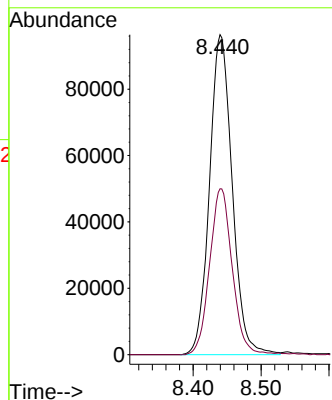
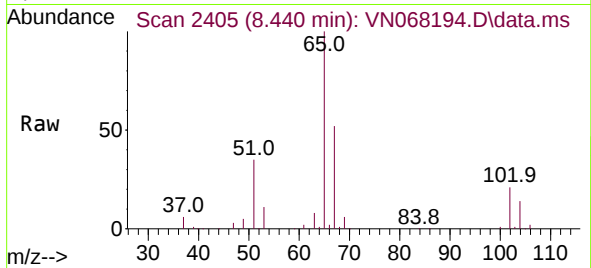




#33
 1,2-Dichloroethane-d4
 Concen: 52.811 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068194.D
 Acq: 18 Aug 2021 15:35

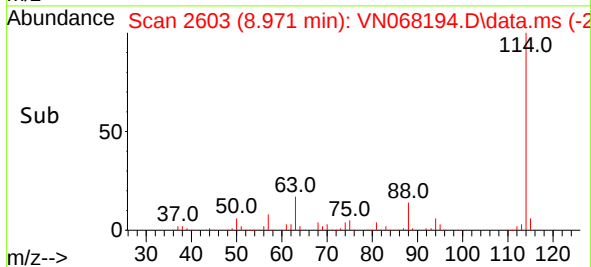
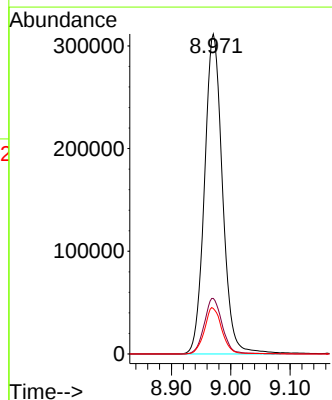
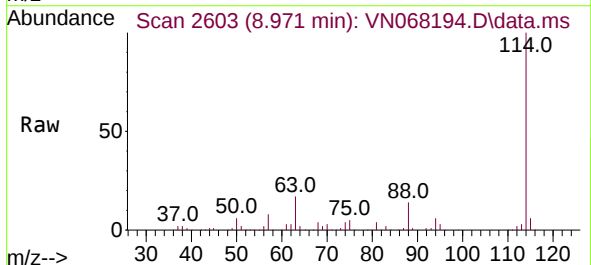
Instrument :
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 ClientSampled :

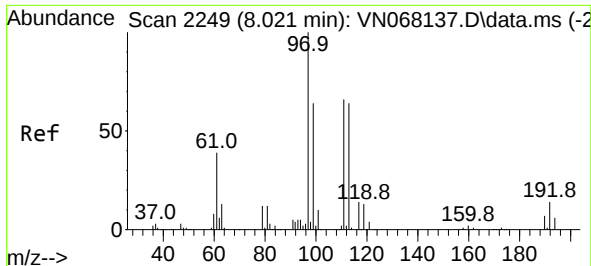
Tgt Ion: 65 Resp: 223951
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068194.D
 Acq: 18 Aug 2021 15:35

Tgt Ion: 114 Resp: 655408
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 14.2 0.0 36.6

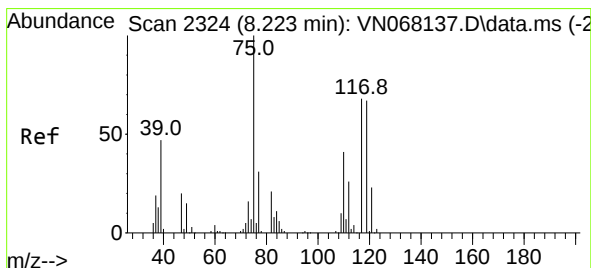
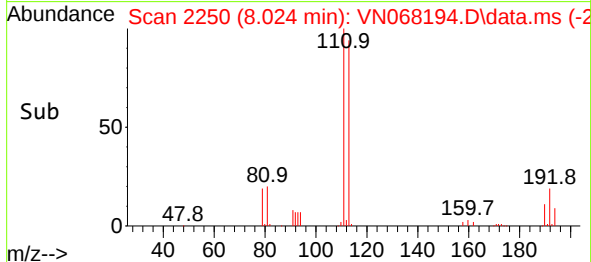
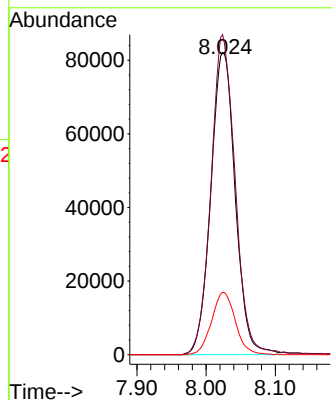
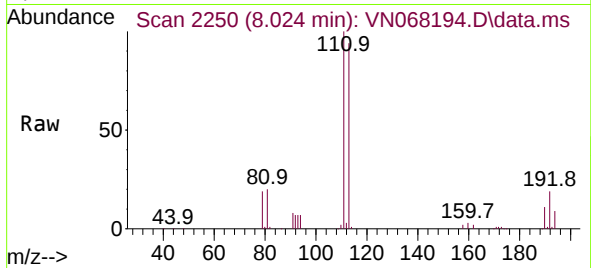




#35
Dibromofluoromethane
Concen: 48.977 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

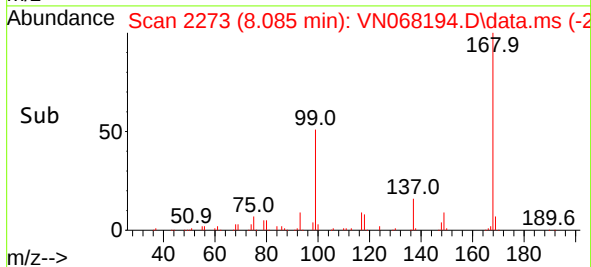
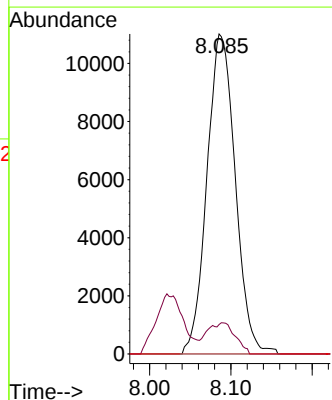
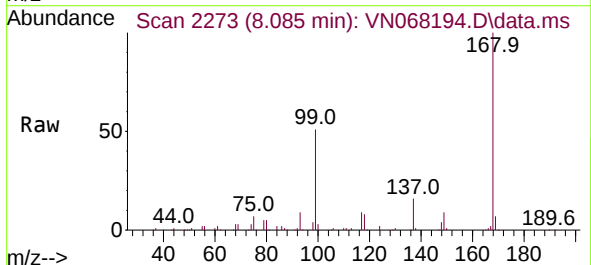
Instrument :
MSVOA_N
ClientSampled :

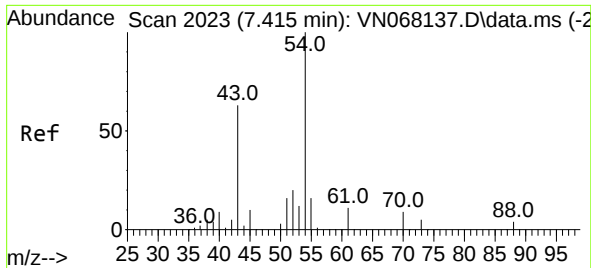
Tgt Ion:113 Resp: 201530
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.8
192 20.1 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.973 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.138 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 75 Resp: 26646
Ion Ratio Lower Upper
75 100
110 1.7 15.7 47.0#
77 0.0 24.6 37.0#

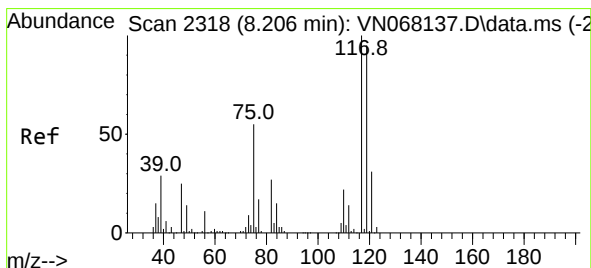
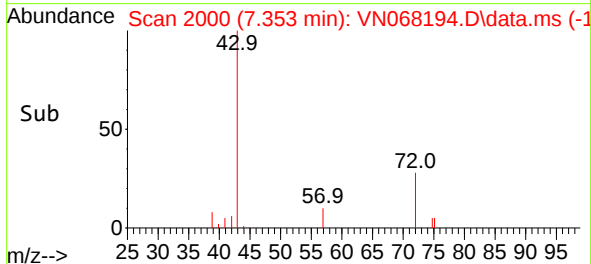
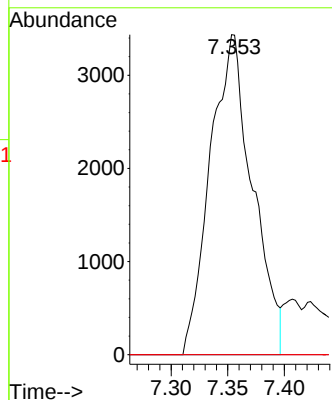
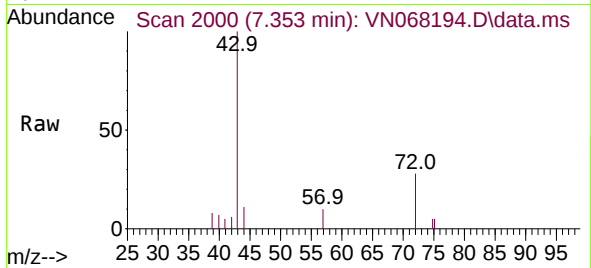




#37
Ethyl Acetate
Concen: 1.951 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.062 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

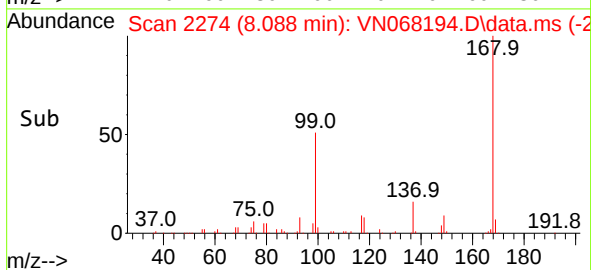
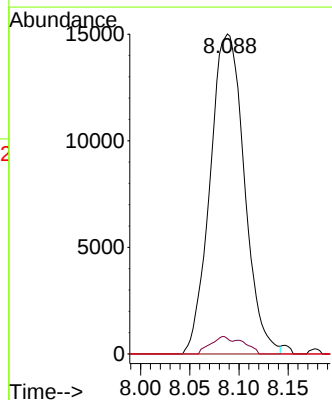
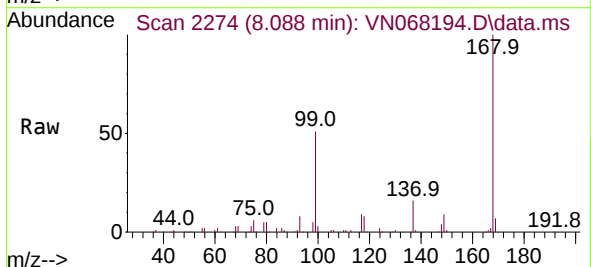
Instrument :
MSVOA_N
ClientSampled :

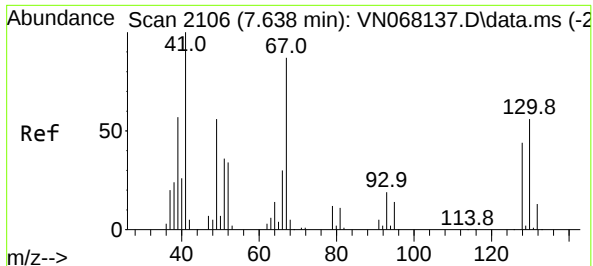
Tgt Ion: 43 Resp: 8907
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.895 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 117 Resp: 36429
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#

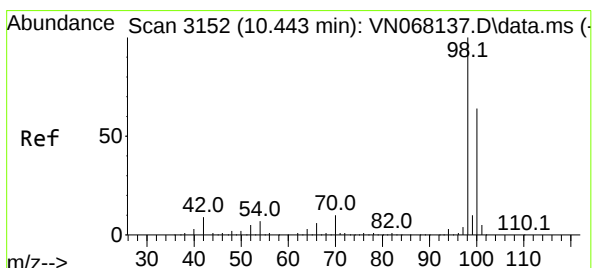
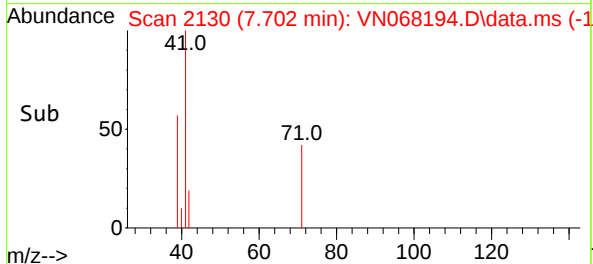
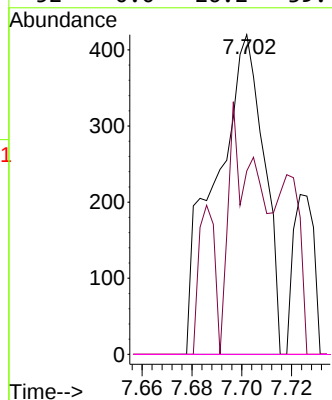
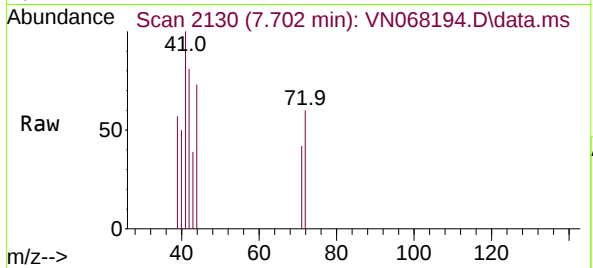




#41
Methacrylonitrile
Concen: 0.272 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.064 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

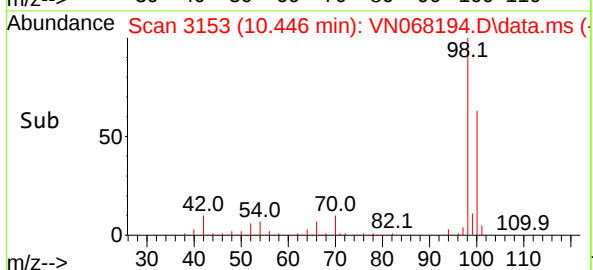
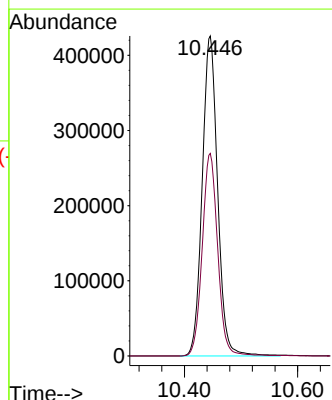
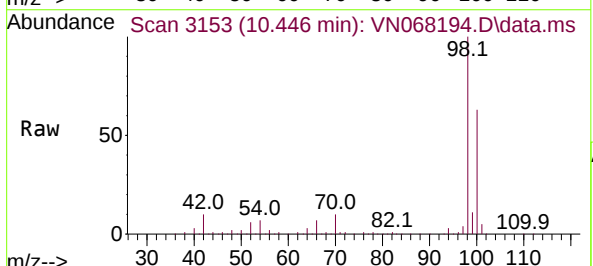
Instrument :
MSVOA_N
ClientSampled :

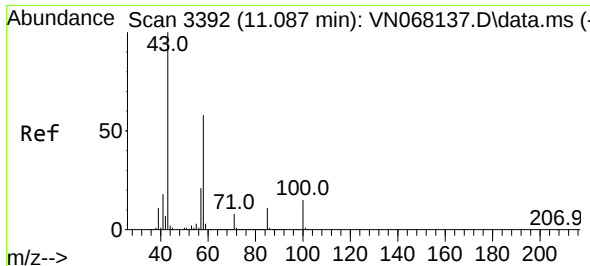
Tgt Ion: 41	Resp: 567
Ion Ratio	Lower Upper
41	100
39	26.3 47.6 71.4#
67	0.0 57.7 86.5#
52	0.0 26.2 39.4#



#50
Toluene-d8
Concen: 51.270 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 98	Resp: 803857
Ion Ratio	Lower Upper
98	100
100	63.2 51.7 77.5

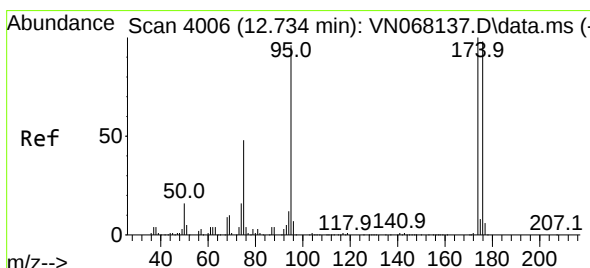
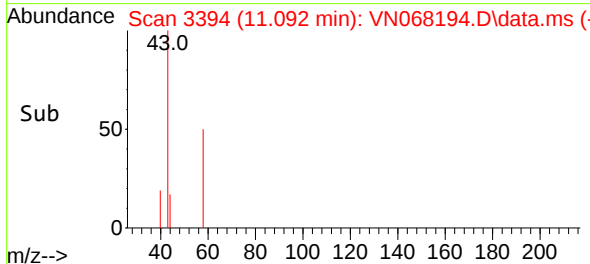
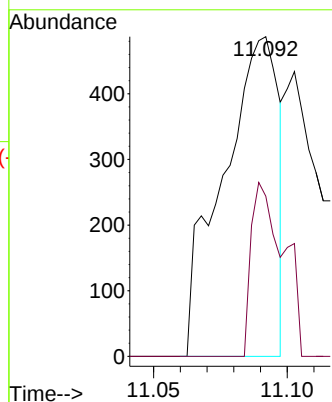
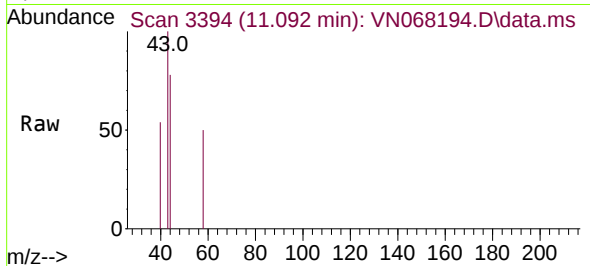




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

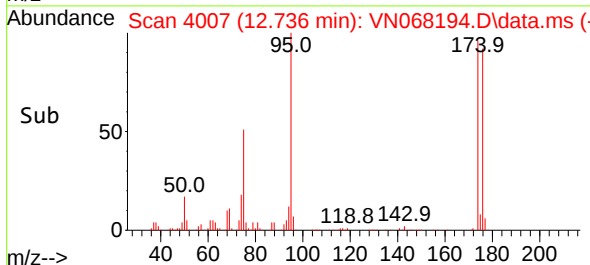
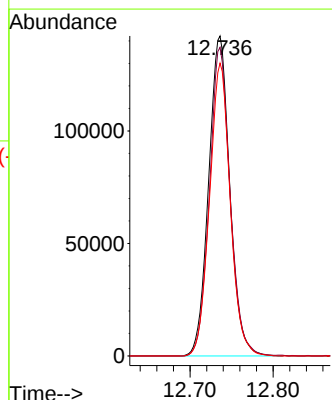
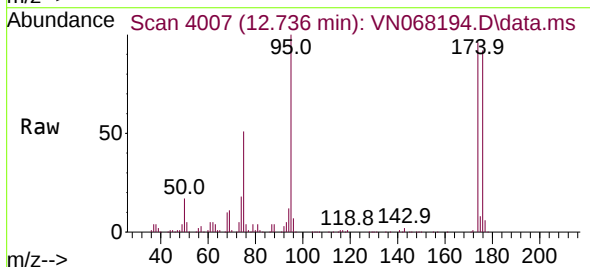
Instrument :
MSVOA_N
ClientSampled :

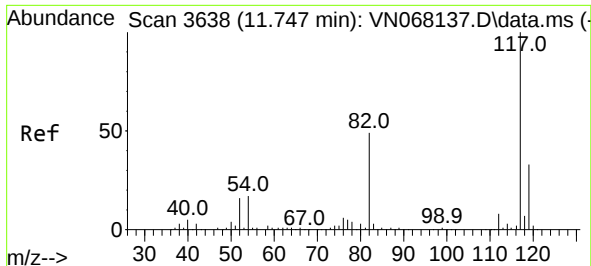
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
58 31.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 48.147 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion: 95 Resp: 251301
Ion Ratio Lower Upper
95 100
174 94.4 0.0 122.0
176 89.6 0.0 117.6

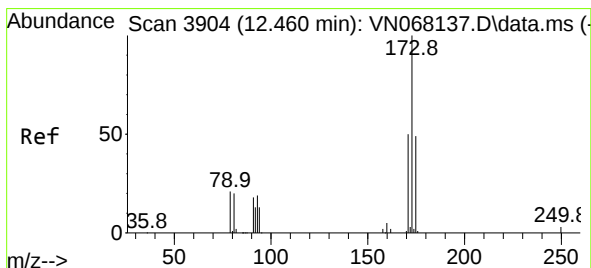
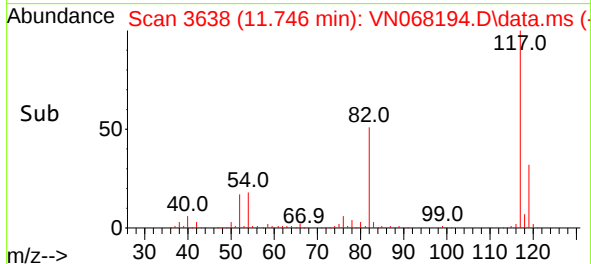
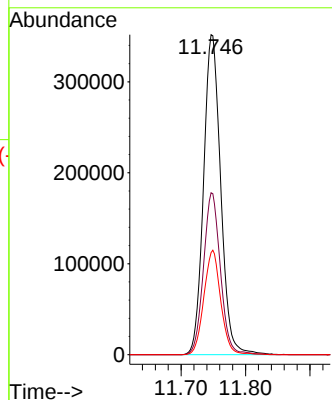
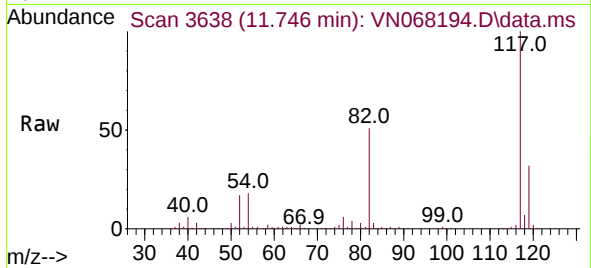




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

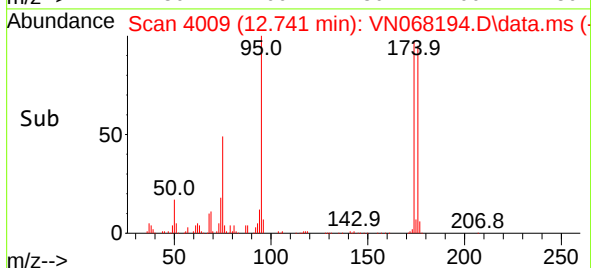
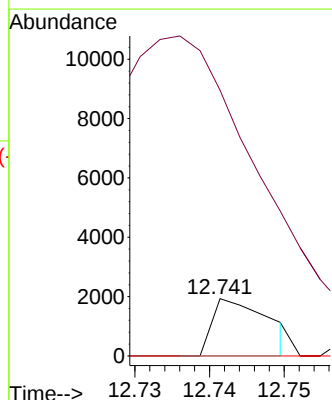
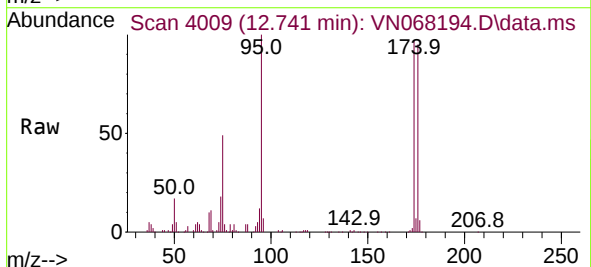
Instrument :
MSVOA_N
ClientSampled :

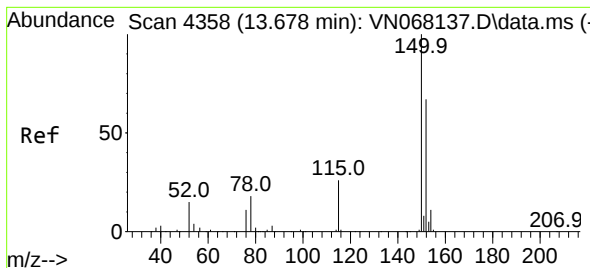
Tgt Ion:117 Resp: 650709
Ion Ratio Lower Upper
117 100
82 50.6 53.1 79.7#
119 31.9 25.5 38.3



#71
Bromoform
Concen: 0.247 ug/l
RT: 12.741 min Scan# 4009
Delta R.T. 0.281 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion:173 Resp: 997
Ion Ratio Lower Upper
173 100
175 1645.8 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.680 min Scan# 4359

Delta R.T. 0.002 min

Lab File: VN068194.D

Acq: 18 Aug 2021 15:35

Instrument :

MSVOA_N

ClientSampled :

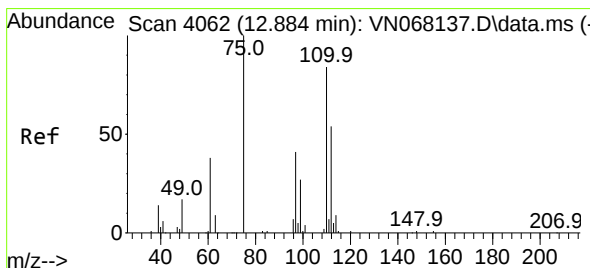
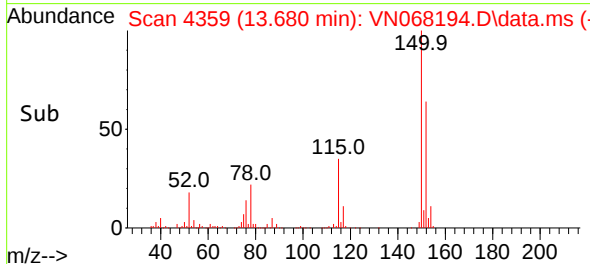
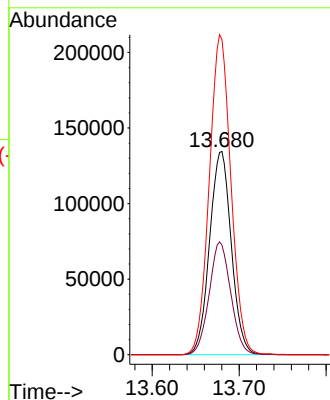
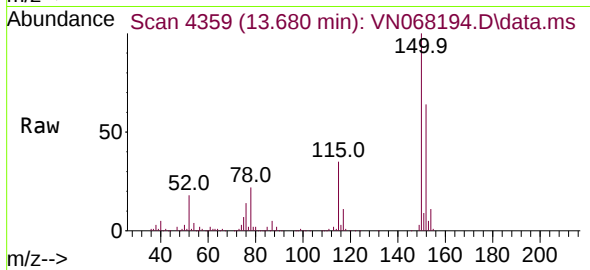
Tgt Ion:152 Resp: 233298

Ion Ratio Lower Upper

152 100

115 55.2 36.1 108.5

150 156.8 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 33.095 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.151 min

Lab File: VN068194.D

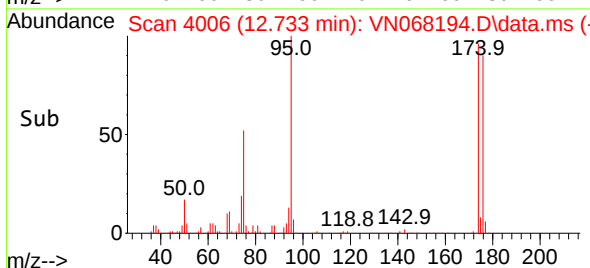
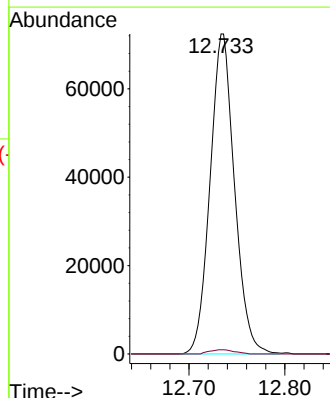
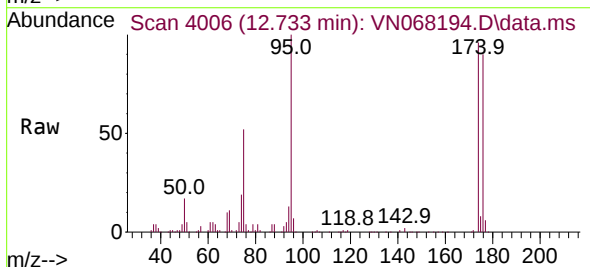
Acq: 18 Aug 2021 15:35

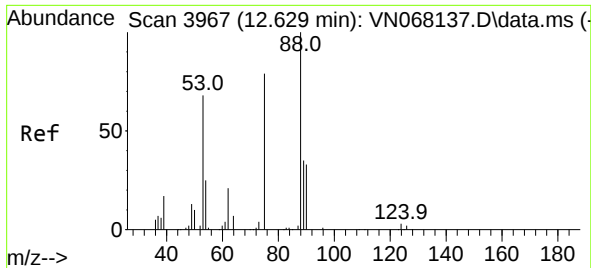
Tgt Ion: 75 Resp: 128331

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

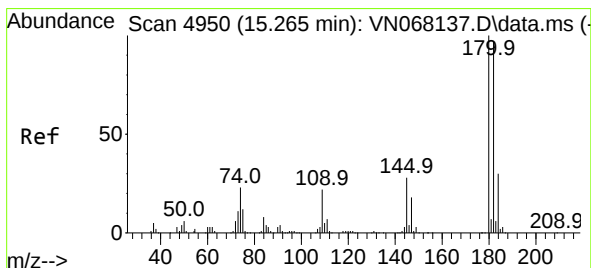
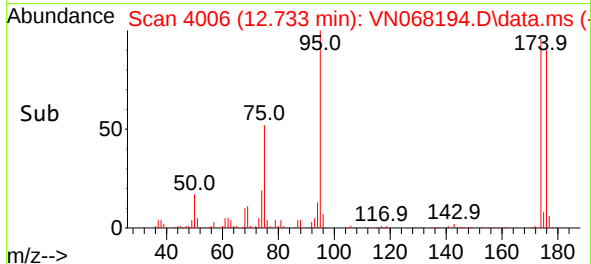
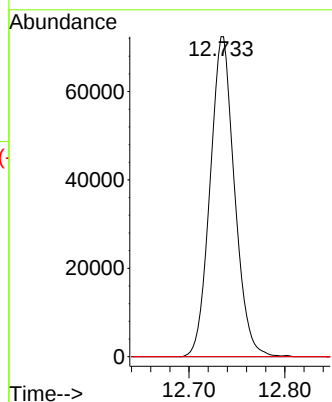
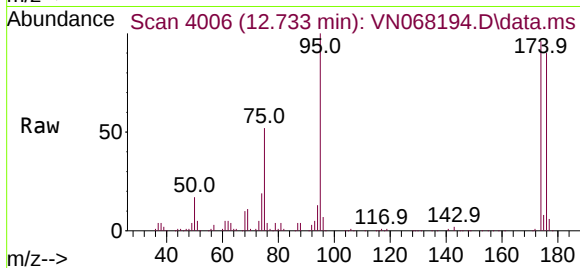




#81
trans-1,4-Dichloro-2-butene
Concen: 108.425 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

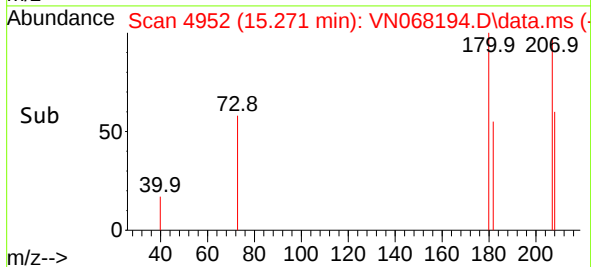
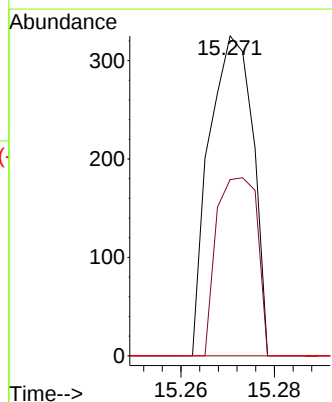
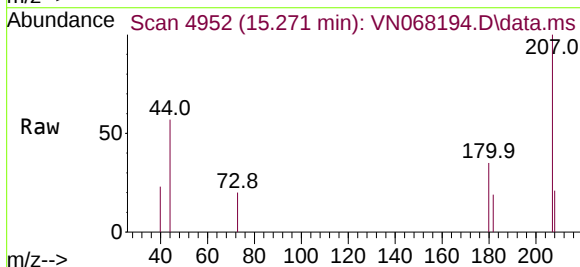
Instrument :
MSVOA_N
ClientSampled :

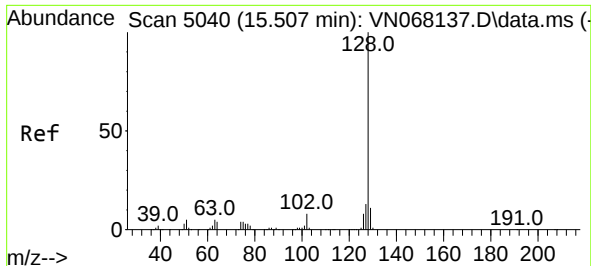
Tgt Ion: 75 Resp: 128331
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.736 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion:180 Resp: 211
Ion Ratio Lower Upper
180 100
182 51.7 47.5 142.5
145 0.0 17.2 51.6#

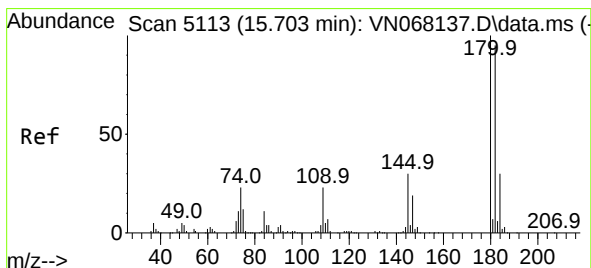
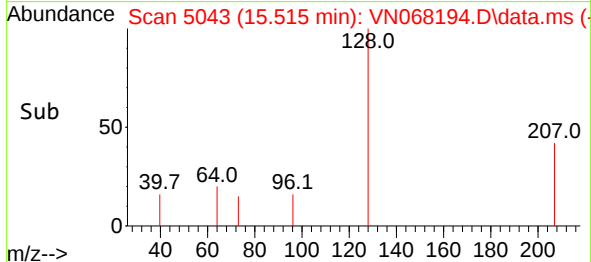
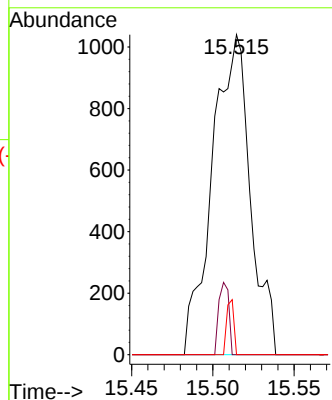
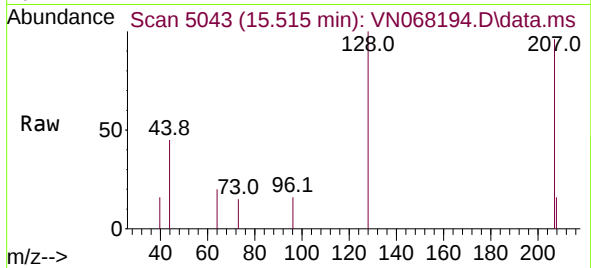




#95
Naphthalene
Concen: 3.517 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1694
Ion Ratio Lower Upper
128 100
127 6.0 10.6 15.8#
129 3.2 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.936 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068194.D
Acq: 18 Aug 2021 15:35

Tgt Ion:180 Resp: 411
Ion Ratio Lower Upper
180 100
182 47.4 47.8 143.3#
145 0.0 18.2 54.6#

