

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068251.D
 Acq On : 20 Aug 2021 17:41
 Operator : JC/MD
 Sample : M3468-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-3-(171.00)

Quant Time: Aug 20 23:59:47 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)

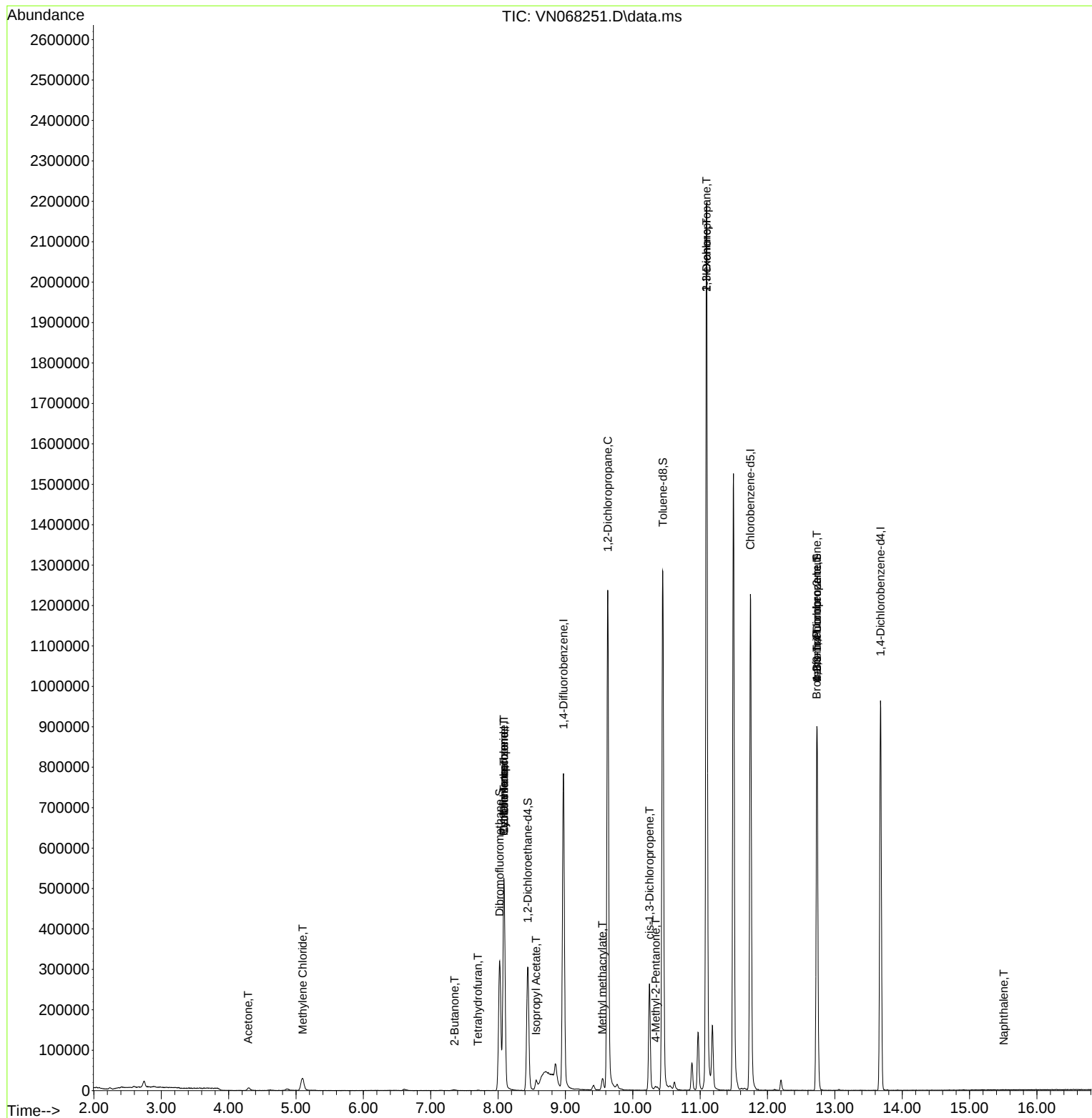
Internal Standards						
1) Pentafluorobenzene	8.088	168	440016	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	760494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	792329	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	294301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	264048	56.202	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 112.400%		
35) Dibromofluoromethane	8.024	113	233668	48.940	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.880%		
50) Toluene-d8	10.446	98	961278	52.838	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.680%		
62) 4-Bromofluorobenzene	12.734	95	305272	50.406	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.820%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.832	94	24	Below Cal	#	4
6) Chloroethane	2.842	64	58	Below Cal	#	44
16) Acetone	4.291	43	12455	9.080	ug/l	95
18) Methyl Acetate	4.857	43	2685	Below Cal	#	12
20) Methylene Chloride	5.101	84	27426	5.327	ug/l	# 77
25) 2-Butanone	7.354	43	1817	0.850	ug/l	98
29) Tetrahydrofuran	7.702	42	602	0.440	ug/l	# 48
31) Cyclohexane	8.088	56	7509	1.213	ug/l	# 14
36) 1,1-Dichloropropene	8.086	75	29003	4.665	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	40694	5.675	ug/l	# 17
43) Isopropyl Acetate	8.566	43	31772	3.745	ug/l	# 92
45) 1,2-Dichloropropane	9.631	63	1906	0.427	ug/l	# 44
48) Methyl methacrylate	9.547	41	6797	1.923	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.341	43	3333	0.640	ug/l	# 57
54) cis-1,3-Dichloropropene	10.247	75	51363	7.134	ug/l	# 56
57) 1,3-Dichloropropane	11.095	76	26404	3.316	ug/l	# 43
59) 2-Hexanone	11.095	43	316707	87.524	ug/l	# 57
71) Bromoform	12.731	173	1843	0.376	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	154858	31.658	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	154858	103.717	ug/l	# 6
95) Naphthalene	15.507	128	593	3.392	ug/l	# 69

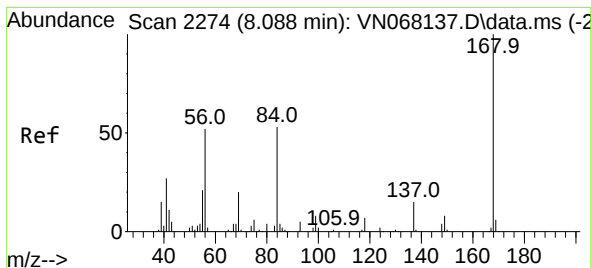
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068251.D

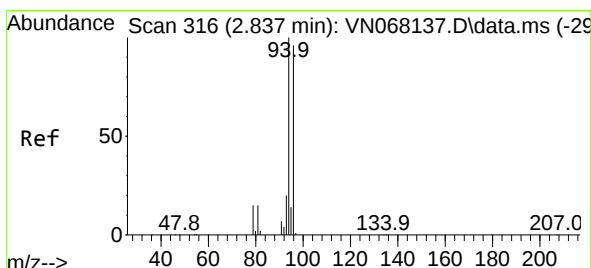
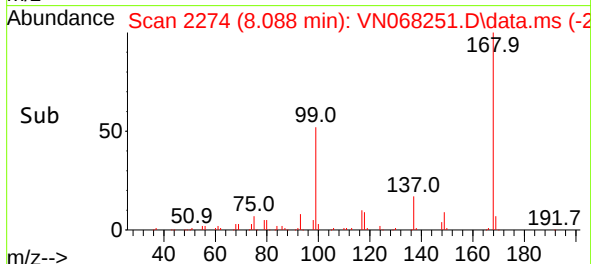
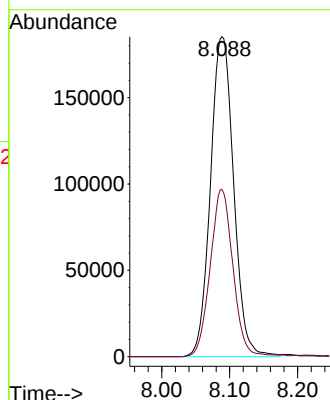
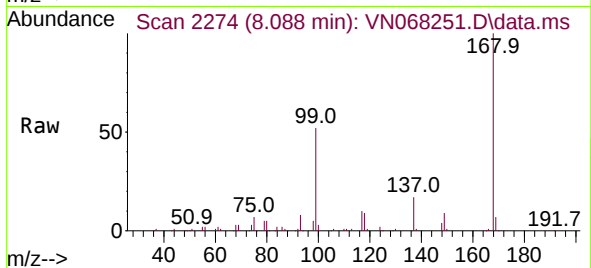
Acq: 20 Aug 2021 17:41

Tgt Ion:168 Resp: 440016

Ion Ratio Lower Upper

168 100

99 52.2 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.832 min Scan# 314

Delta R.T. -0.005 min

Lab File: VN068251.D

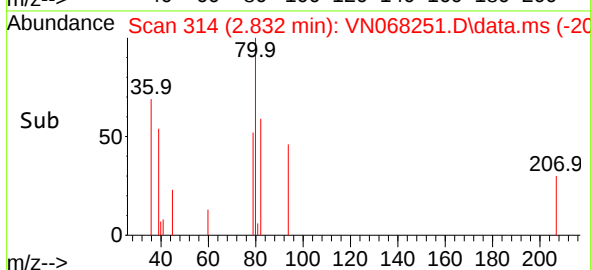
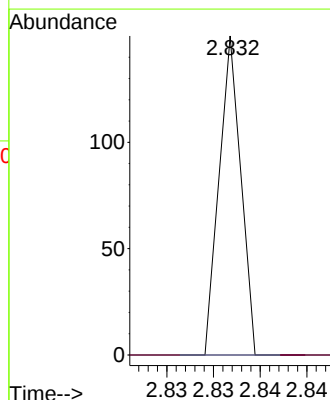
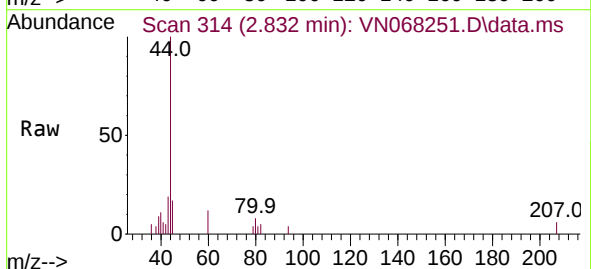
Acq: 20 Aug 2021 17:41

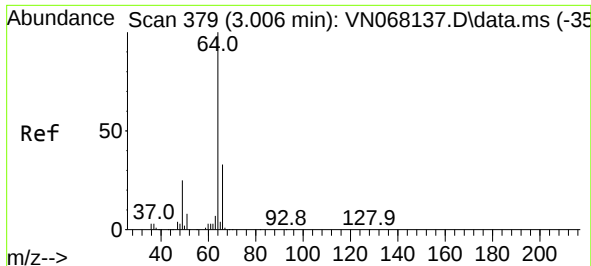
Tgt Ion: 94 Resp: 24

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

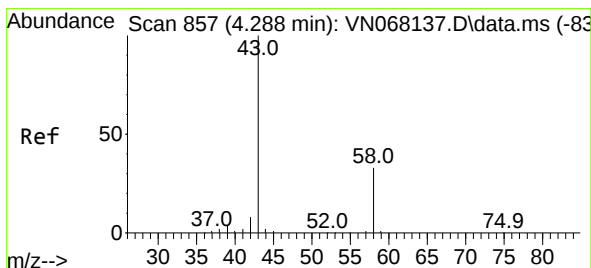
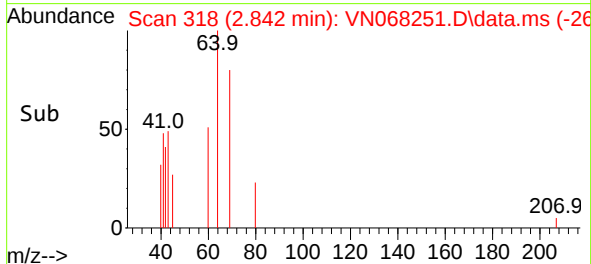
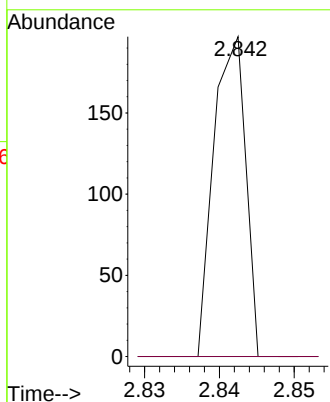
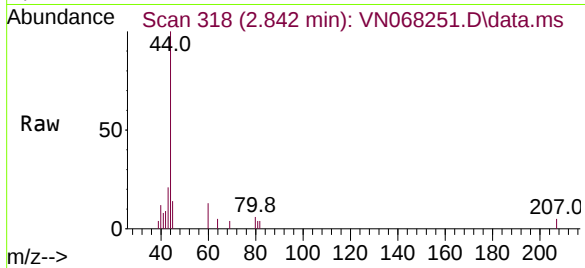




#6
Chloroethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. -0.164 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

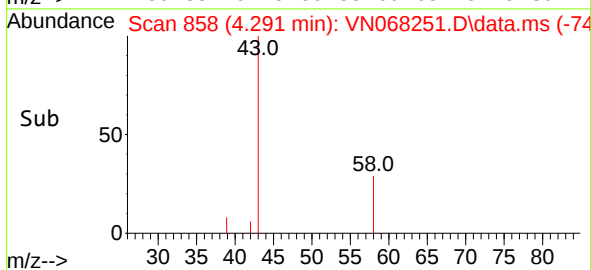
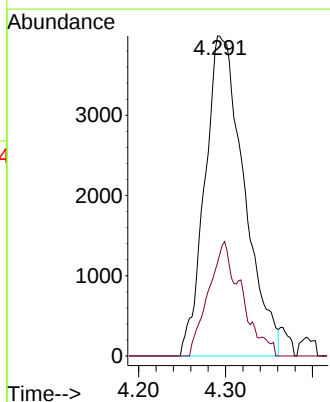
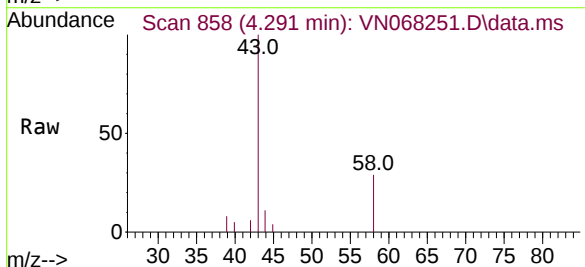
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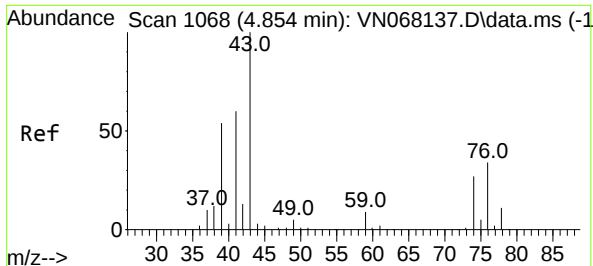
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#16
Acetone
Concen: 9.080 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 43 Resp: 12455
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8

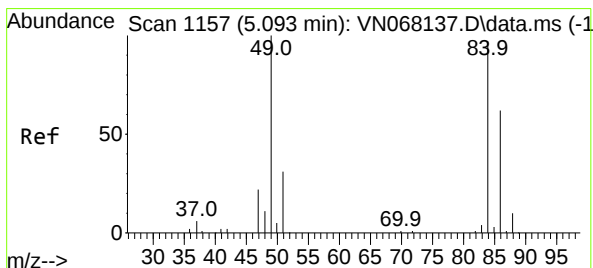
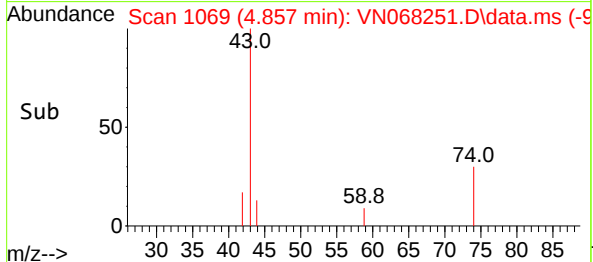
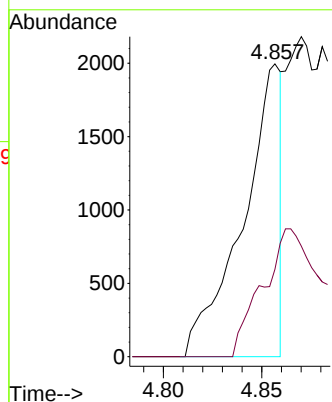
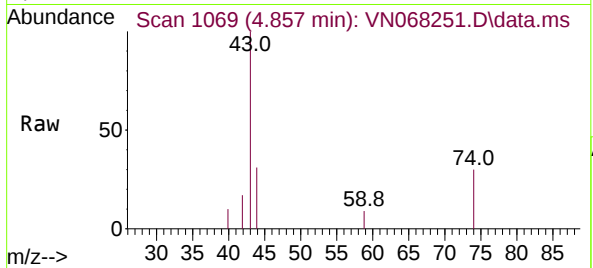




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

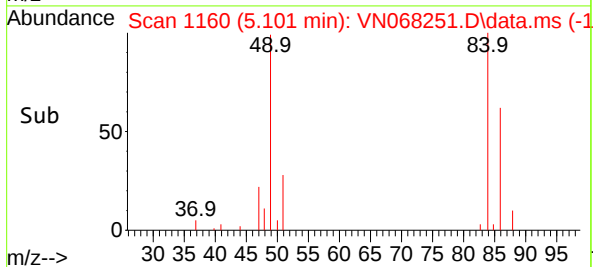
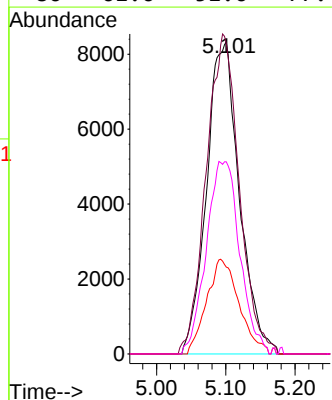
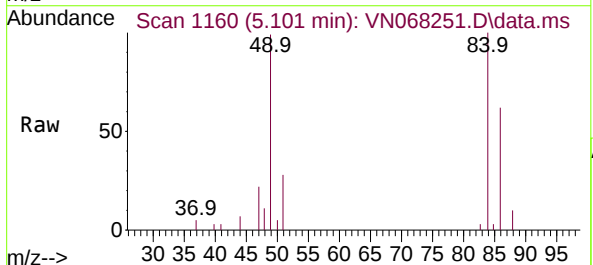
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MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

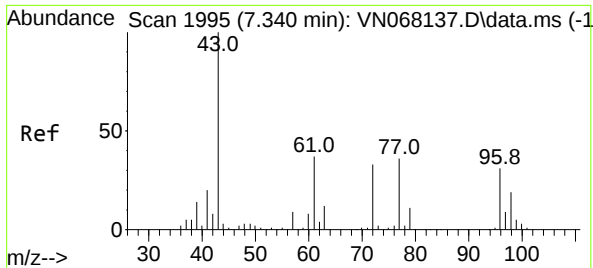
Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
74 63.5 17.4 26.0#



#20
Methylene Chloride
Concen: 5.327 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 84 Resp: 27426
Ion Ratio Lower Upper
84 100
49 99.4 110.9 166.3#
51 27.9 32.6 49.0#
86 61.6 51.6 77.4

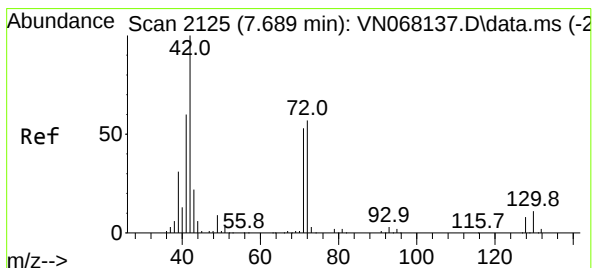
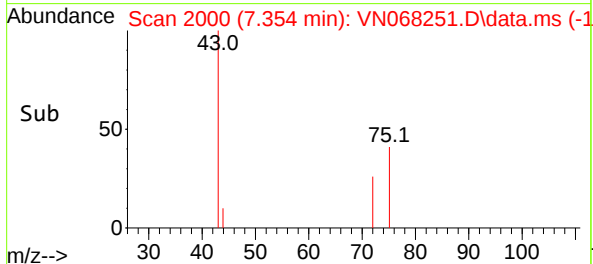
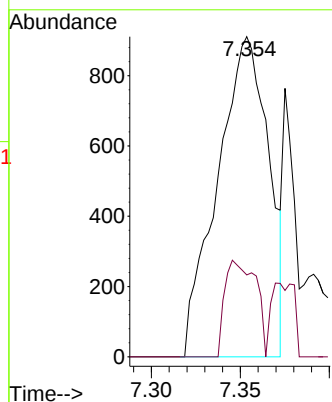
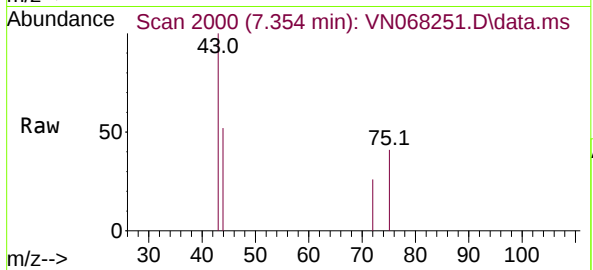




#25
2-Butanone
Concen: 0.850 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

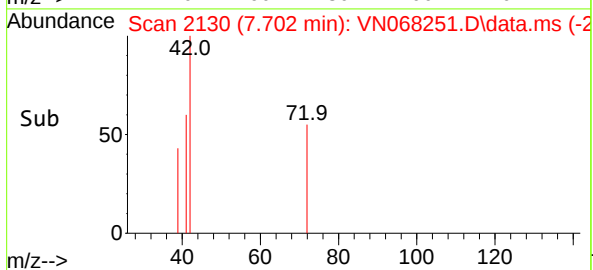
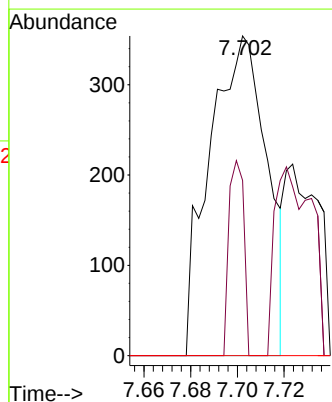
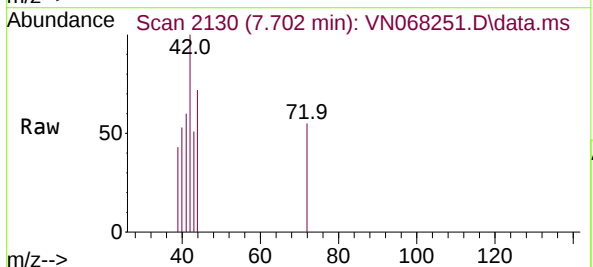
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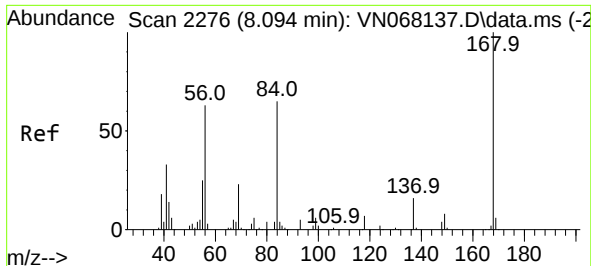
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
72 25.6 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.440 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 42 Resp: 602
Ion Ratio Lower Upper
42 100
72 15.9 32.8 49.2#
71 0.0 31.2 46.8#

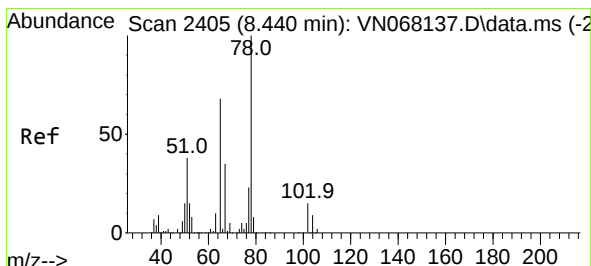
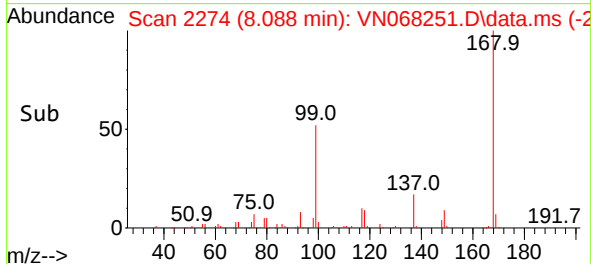
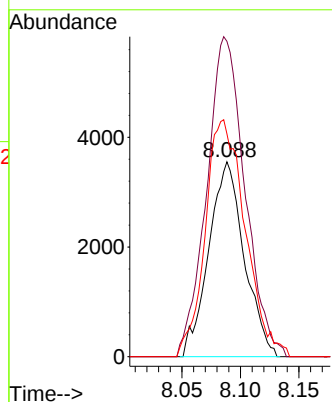
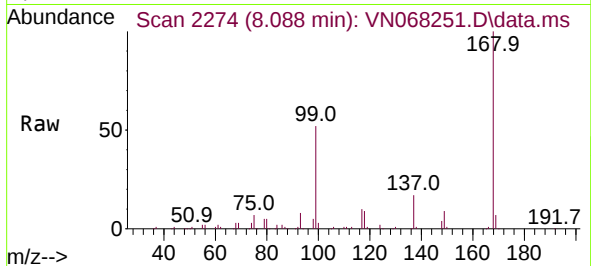




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

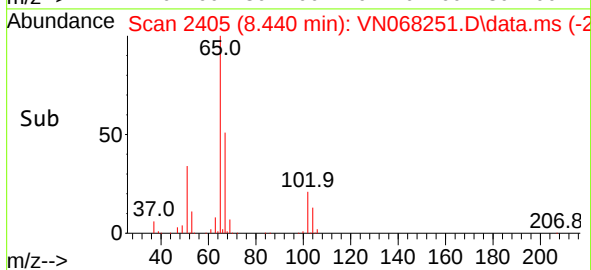
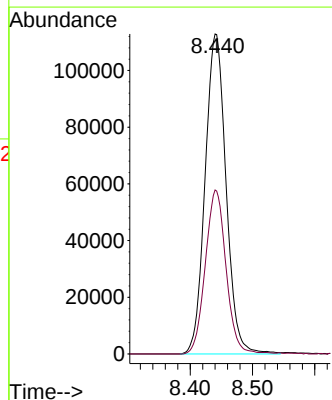
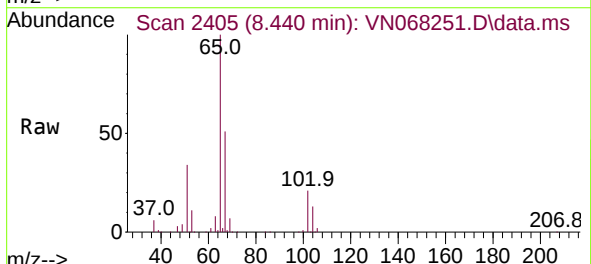
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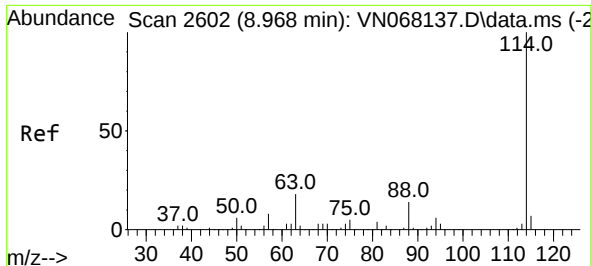
Tgt Ion: 56 Resp: 7509
Ion Ratio Lower Upper
56 100
69 156.3 27.3 40.9#
84 109.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.202 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 65 Resp: 264048
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.6

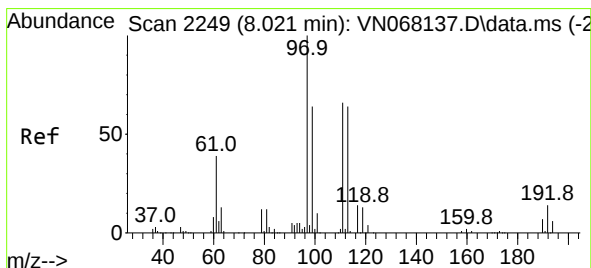
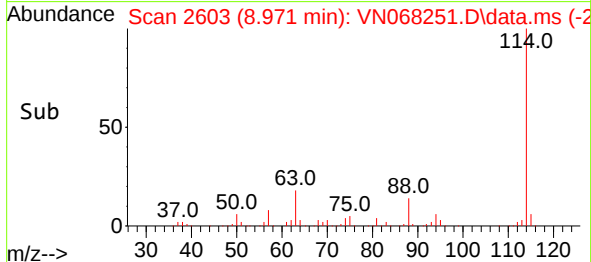
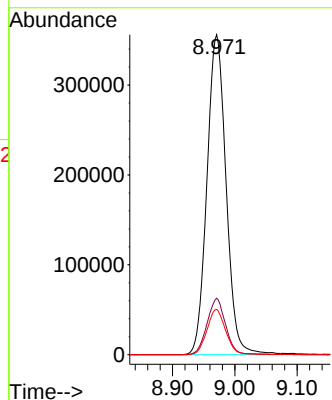
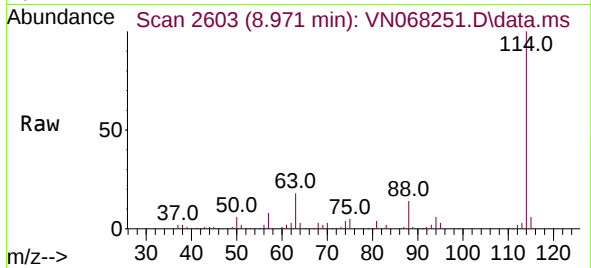




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

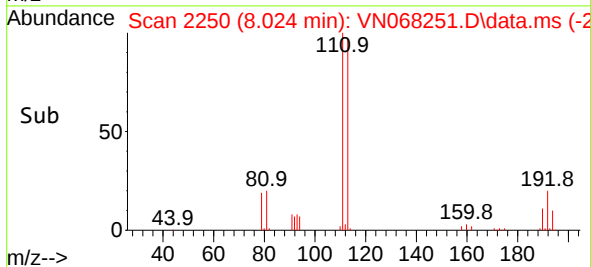
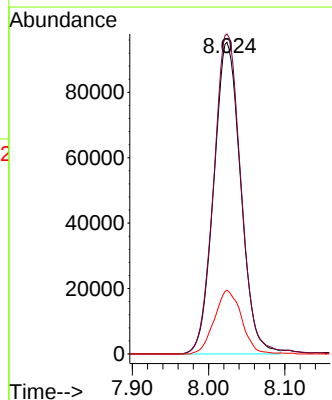
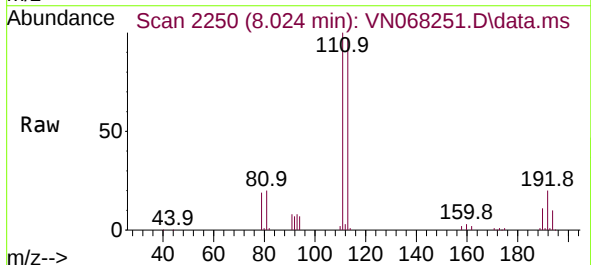
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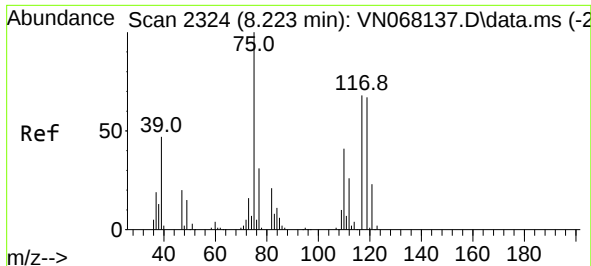
Tgt Ion:114 Resp: 760494
Ion Ratio Lower Upper
114 100
63 17.7 0.0 49.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.940 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion:113 Resp: 233668
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 20.6 13.4 20.0#

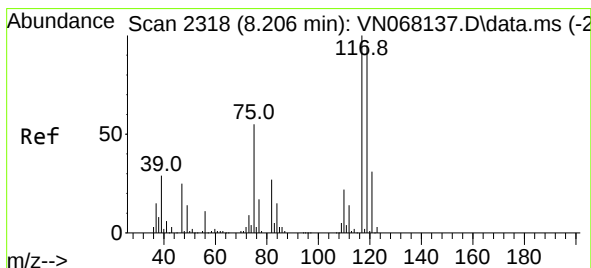
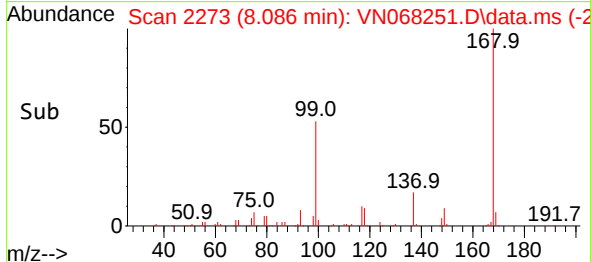
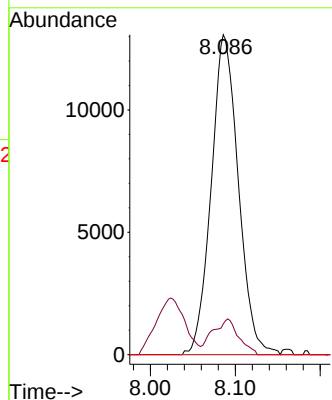
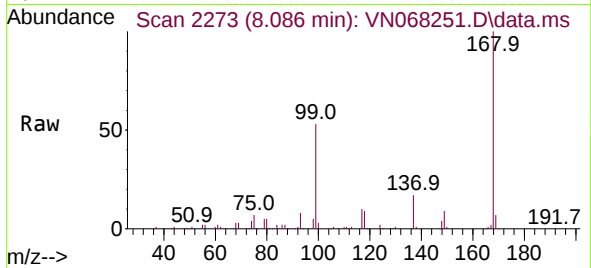




#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN068251.D
 Acq: 20 Aug 2021 17:41

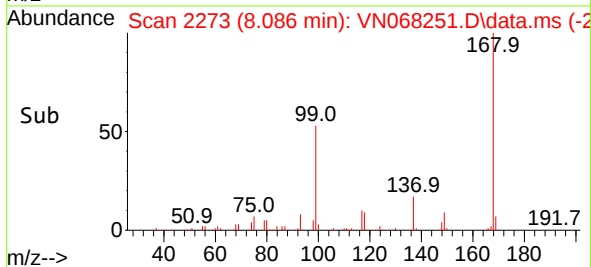
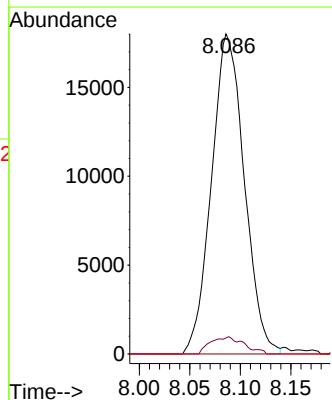
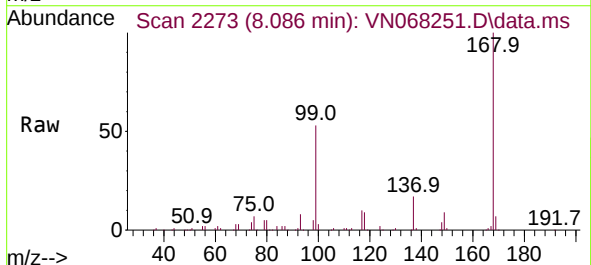
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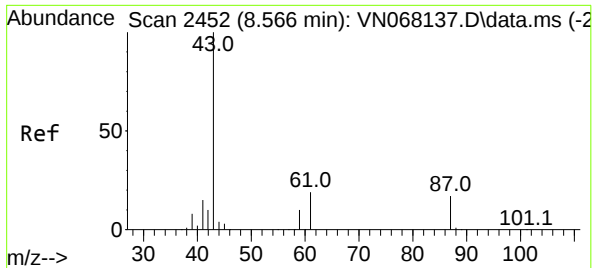
Tgt Ion: 75 Resp: 29003
 Ion Ratio Lower Upper
 75 100
 110 10.8 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.675 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN068251.D
 Acq: 20 Aug 2021 17:41

Tgt Ion: 117 Resp: 40694
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.4 113.2#
 121 0.0 23.5 35.3#

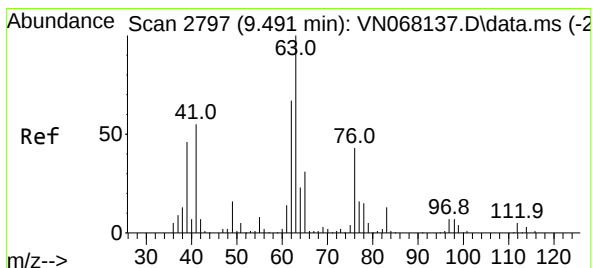
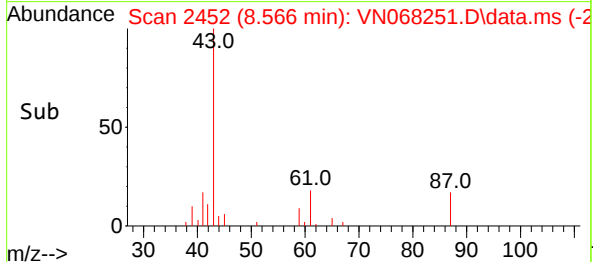
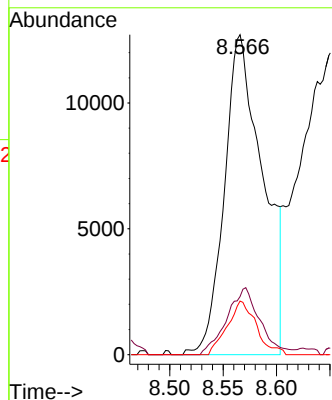
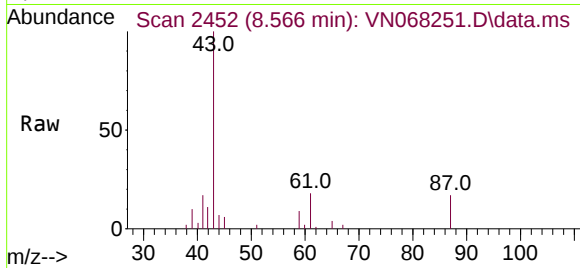




#43
Isopropyl Acetate
Concen: 3.745 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

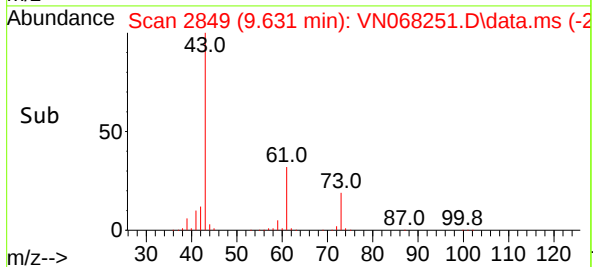
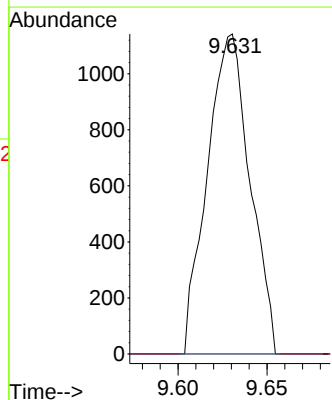
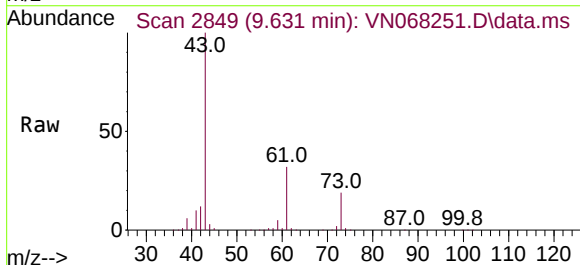
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

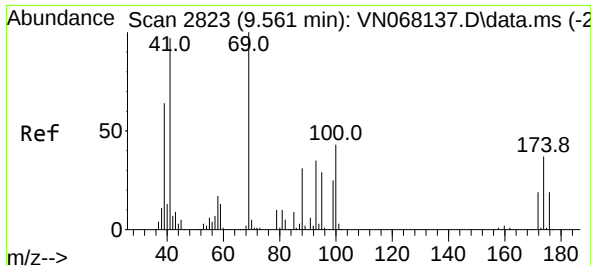
Tgt Ion: 43 Resp: 31772
Ion Ratio Lower Upper
43 100
61 18.2 19.0 28.4#
87 12.7 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.427 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 63 Resp: 1906
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

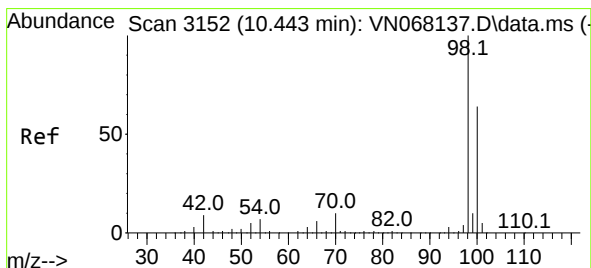
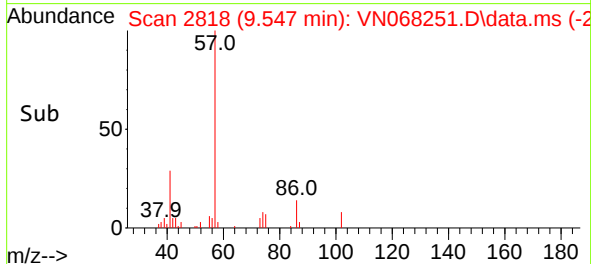
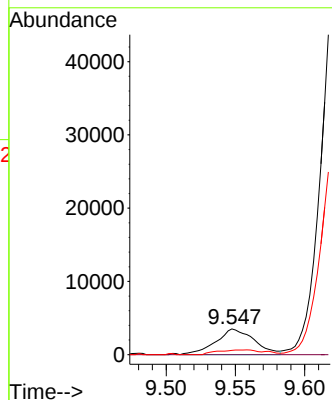
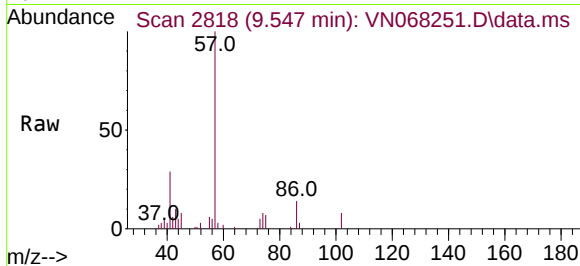




#48
Methyl methacrylate
Concen: 1.923 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

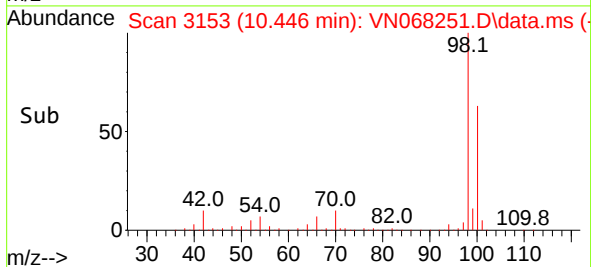
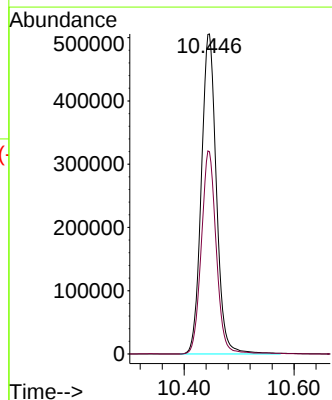
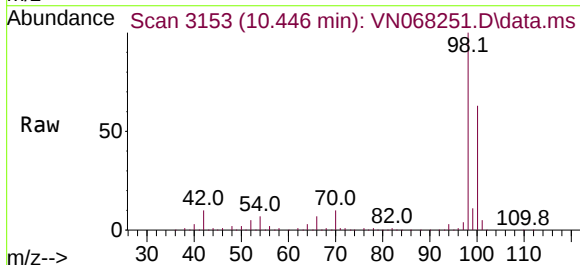
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

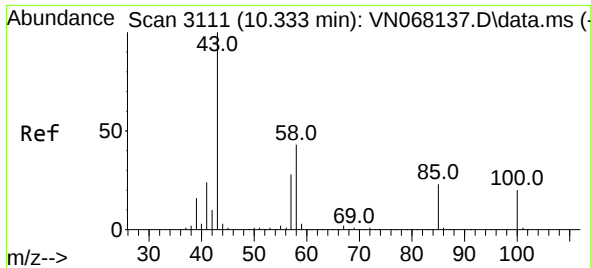
Tgt Ion: 41 Resp: 6797
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 52.838 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 98 Resp: 961278
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

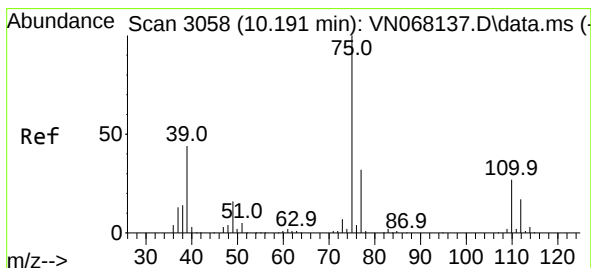
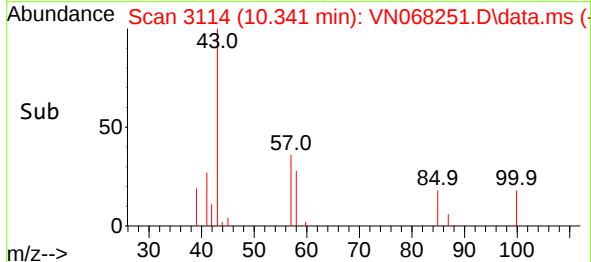
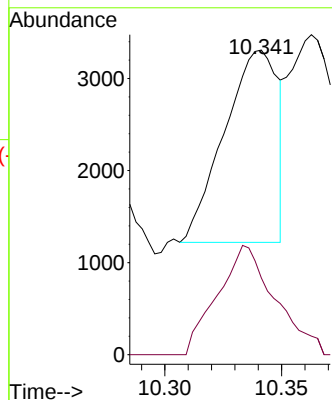
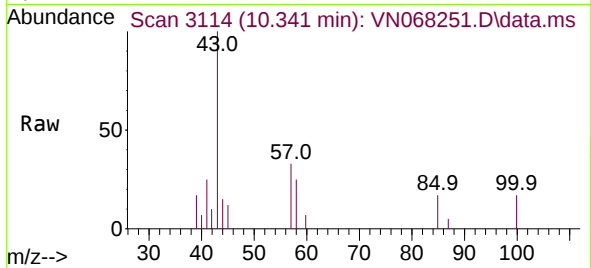




#51
4-Methyl-2-Pentanone
Concen: 0.640 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

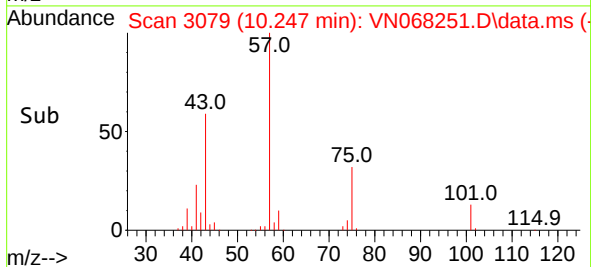
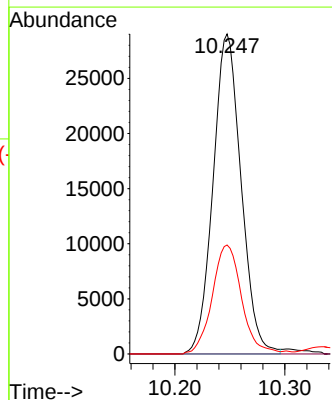
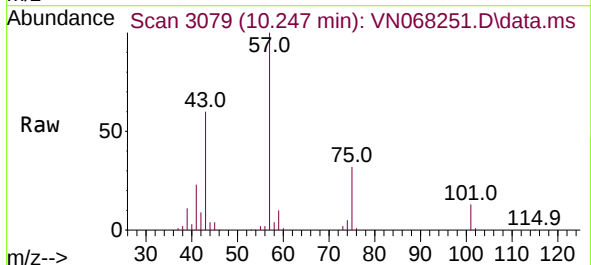
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

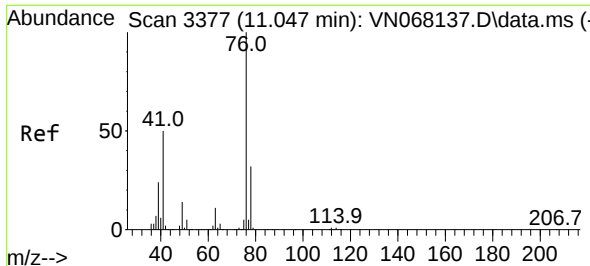
Tgt Ion: 43 Resp: 3333
Ion Ratio Lower Upper
43 100
58 61.1 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 7.134 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 75 Resp: 51363
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 34.0 50.7 76.1#

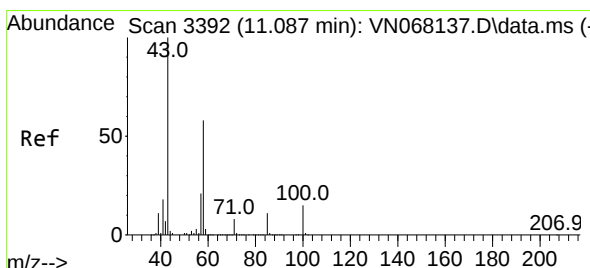
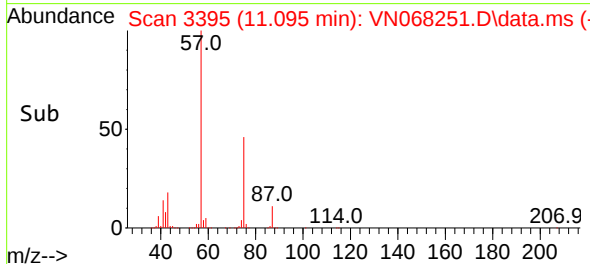
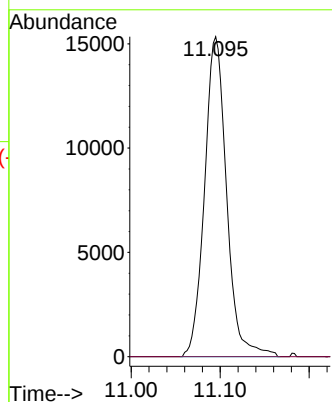
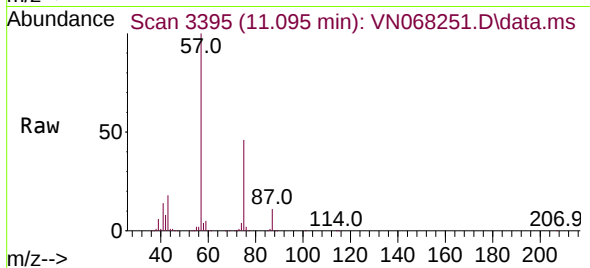




#57
1,3-Dichloropropane
Concen: 3.316 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

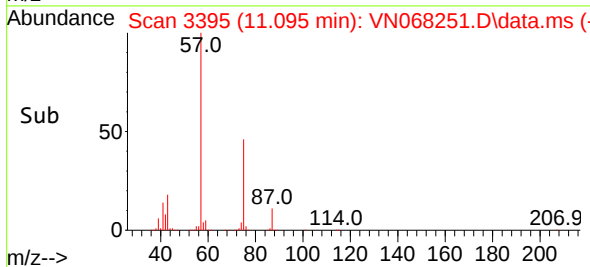
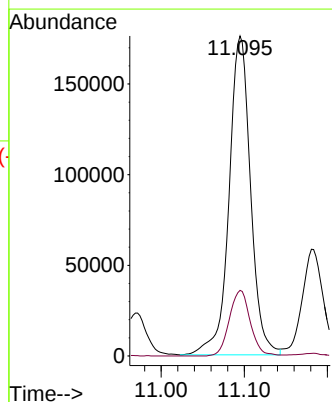
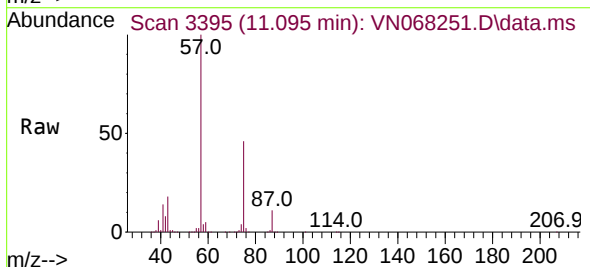
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

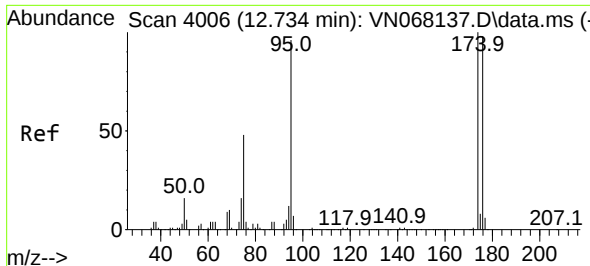
Tgt Ion: 76 Resp: 26404
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 87.524 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 43 Resp: 316707
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

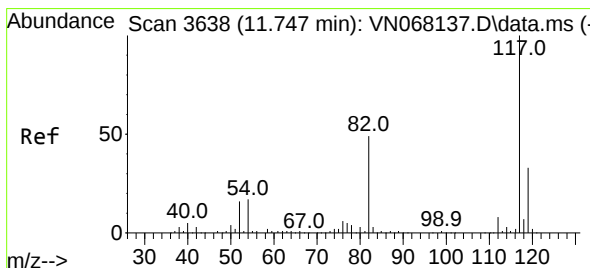
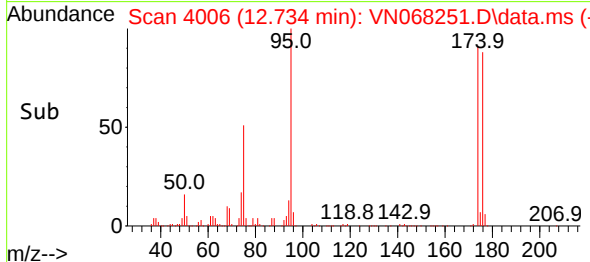
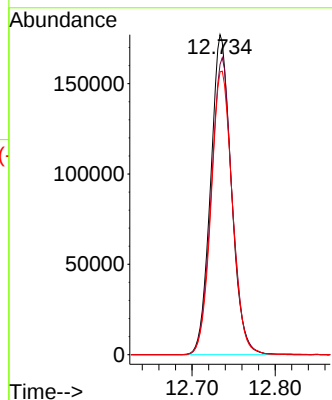
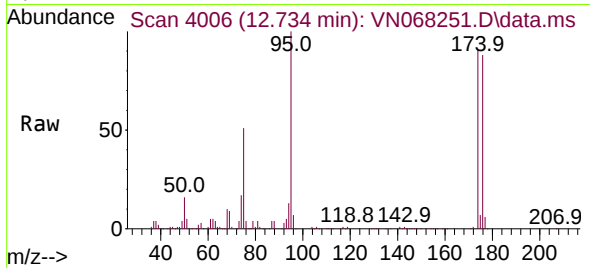




#62
4-Bromofluorobenzene
Concen: 50.406 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

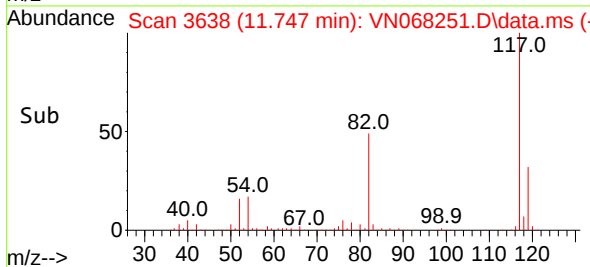
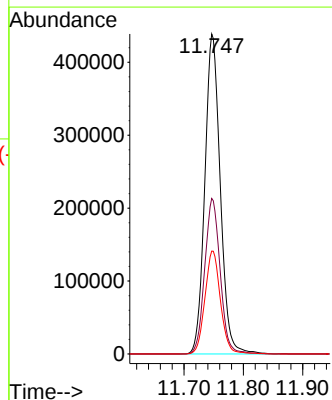
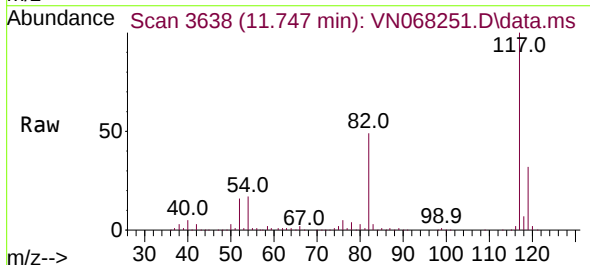
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

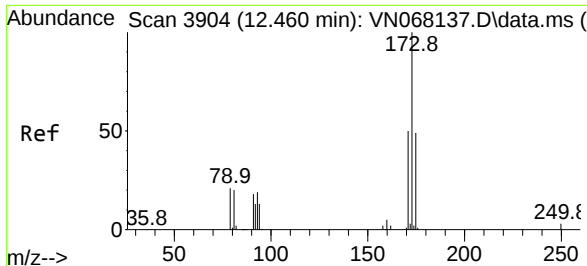
Tgt Ion: 95 Resp: 305272
Ion Ratio Lower Upper
95 100
174 94.5 0.0 122.0
176 91.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion: 117 Resp: 792329
Ion Ratio Lower Upper
117 100
82 48.6 53.1 79.7#
119 32.2 25.5 38.3

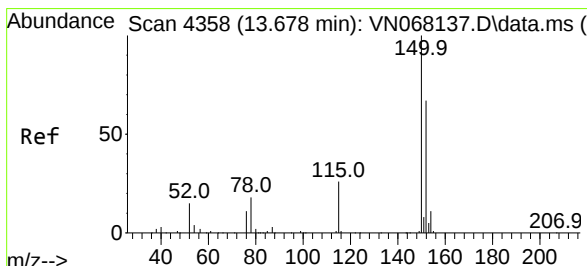
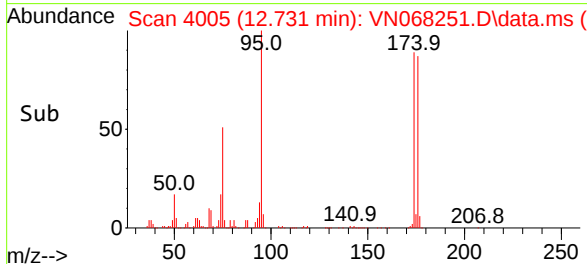
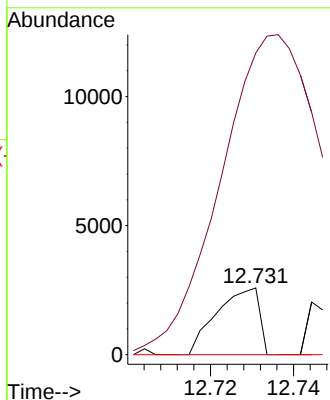
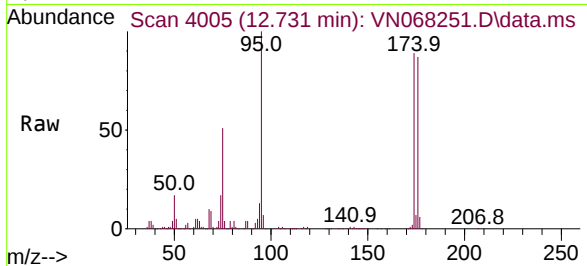




#71
Bromoform
Concen: 0.376 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

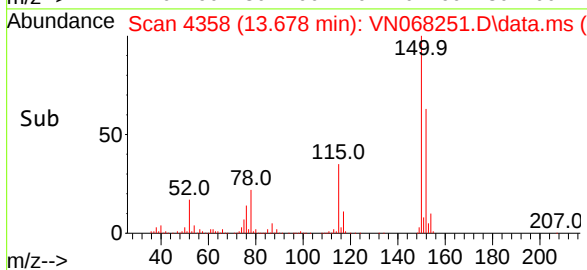
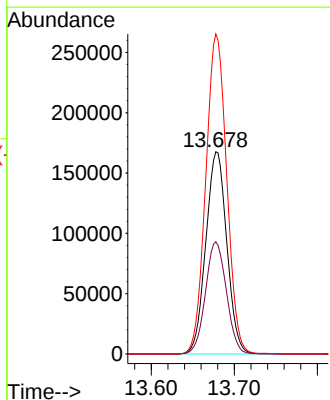
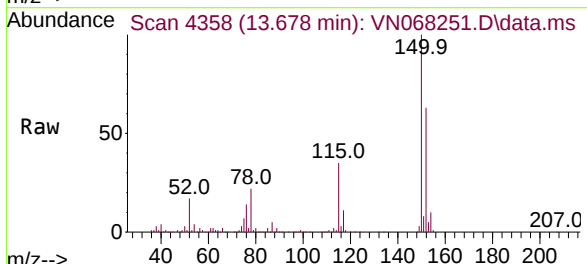
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

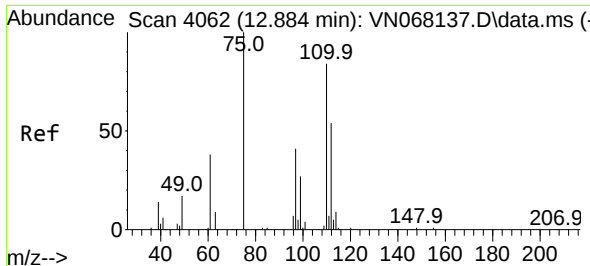
Tgt Ion:173 Resp: 1843
Ion Ratio Lower Upper
173 100
175 1081.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Tgt Ion:152 Resp: 294301
Ion Ratio Lower Upper
152 100
115 55.3 36.1 108.5
150 157.6 0.0 351.8

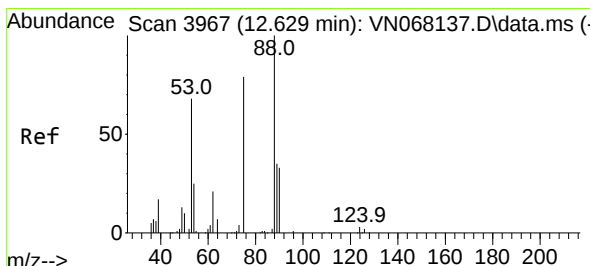
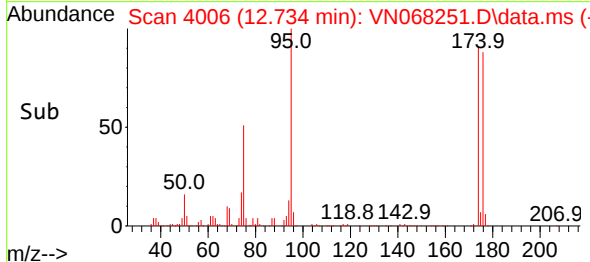
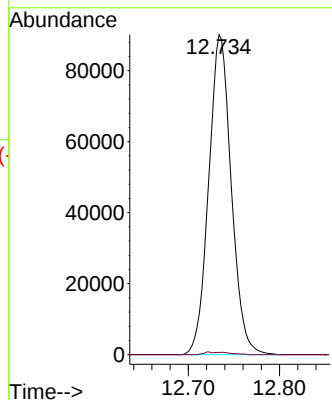
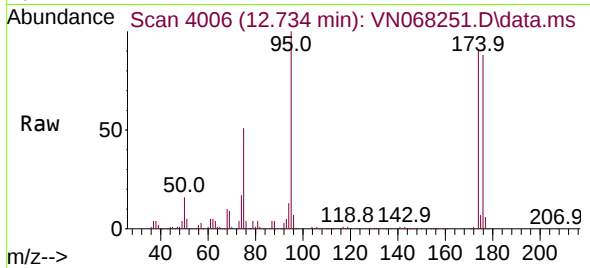




#76
1,2,3-Trichloropropane
Concen: 31.658 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

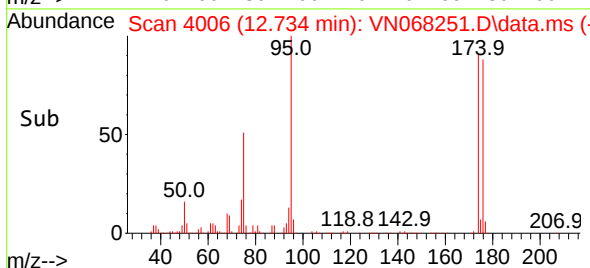
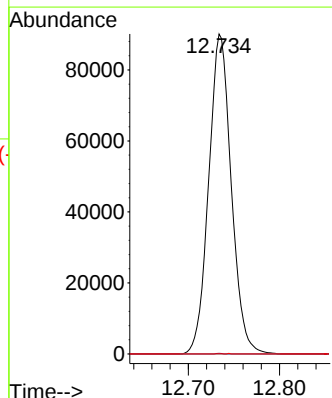
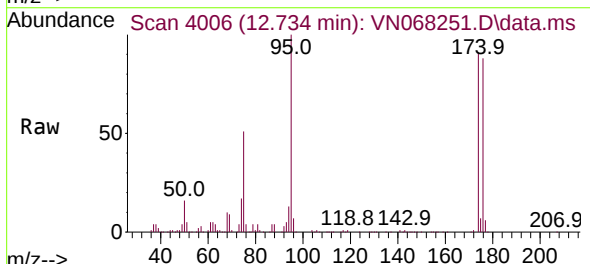
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)

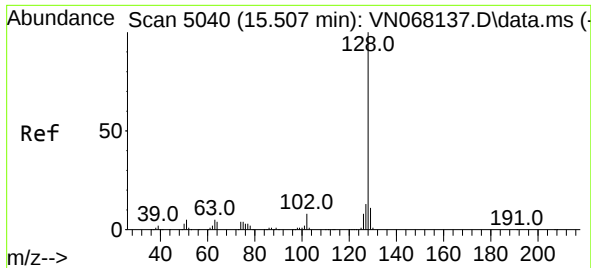
Tgt Ion: 75 Resp: 154858
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.717 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

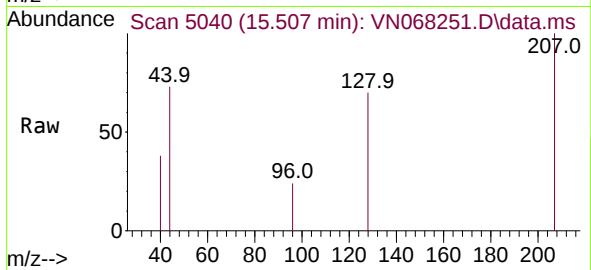
Tgt Ion: 75 Resp: 154858
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.392 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068251.D
Acq: 20 Aug 2021 17:41

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-3-(171.00)



Tgt Ion:128	Resp:	593
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#

