

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068254.D
 Acq On : 20 Aug 2021 18:56
 Operator : JC/MD
 Sample : M3468-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 21 00:00:17 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

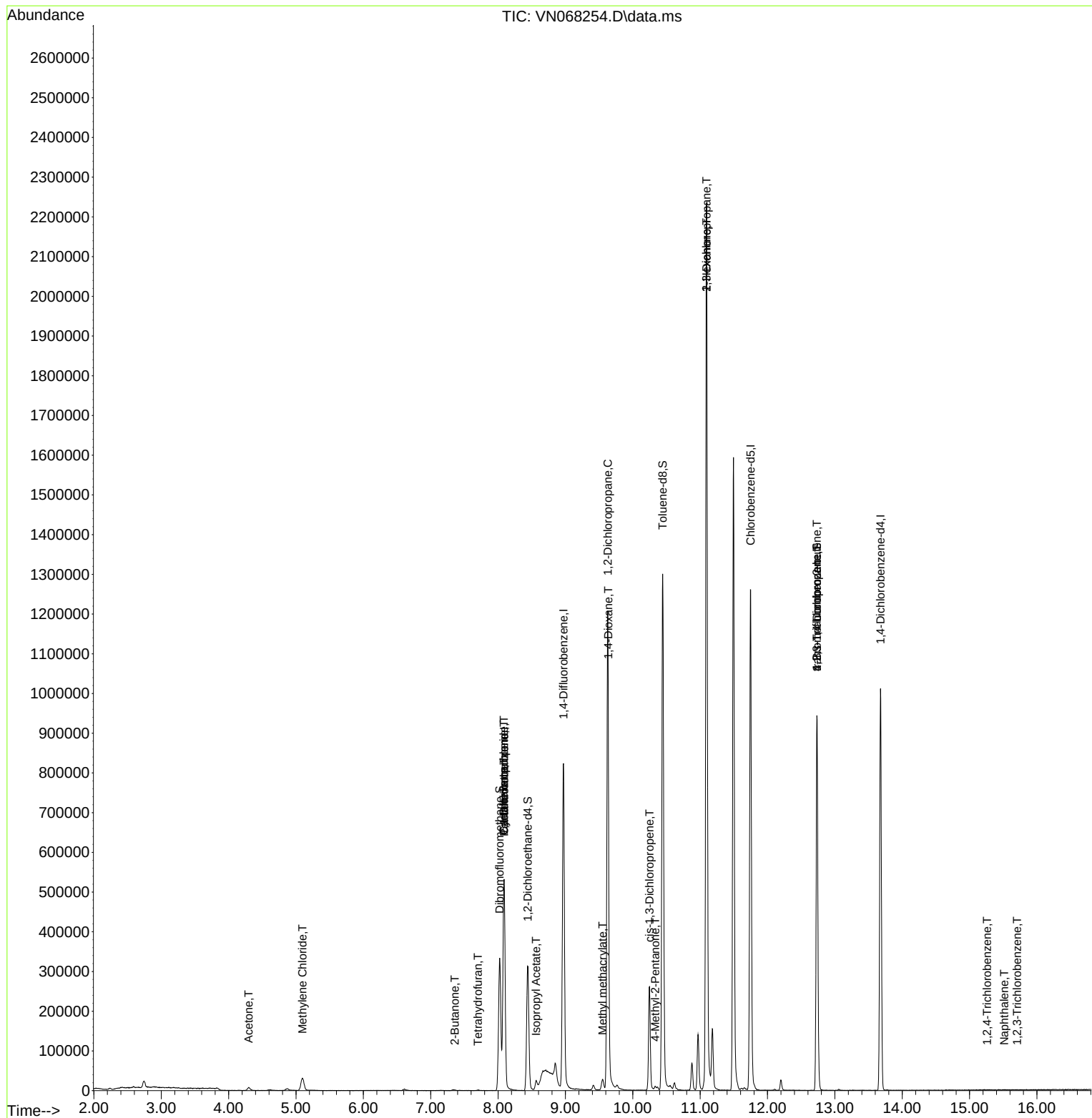
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.091	168	452544	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	785231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	810649	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	305514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	269628	55.801	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 111.600%		
35) Dibromofluoromethane	8.024	113	242001	49.089	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 98.180%		
50) Toluene-d8	10.443	98	982129	52.284	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.560%		
62) 4-Bromofluorobenzene	12.734	95	314036	50.219	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 100.440%		
Target Compounds						
						Qvalue
5) Bromomethane	2.837	94	27	Below Cal	#	4
6) Chloroethane	2.955	64	25	Below Cal	#	44
13) Acrolein	4.049	56	25	Below Cal	#	14
16) Acetone	4.296	43	14169	10.043	ug/l	99
18) Methyl Acetate	4.854	43	2972	Below Cal	#	33
20) Methylene Chloride	5.095	84	27651	5.178	ug/l	# 82
25) 2-Butanone	7.356	43	1614	0.734	ug/l	96
29) Tetrahydrofuran	7.702	42	636	0.452	ug/l	# 59
31) Cyclohexane	8.088	56	8021	1.260	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	29017	4.521	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	42097	5.686	ug/l	# 17
43) Isopropyl Acetate	8.566	43	26945	3.076	ug/l	# 92
45) 1,2-Dichloropropane	9.631	63	1551	0.337	ug/l	# 44
48) Methyl methacrylate	9.553	41	6438	1.764	ug/l	# 12
49) 1,4-Dioxane	9.636	88	138	1.564	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	6041	1.123	ug/l	97
54) cis-1,3-Dichloropropene	10.247	75	51477	6.925	ug/l	# 56
57) 1,3-Dichloropropane	11.095	76	26076	3.172	ug/l	# 43
59) 2-Hexanone	11.095	43	321360	86.012	ug/l	# 57
76) 1,2,3-Trichloropropane	12.734	75	159021	31.316	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	159021	102.596	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	175	2.717	ug/l	# 12
95) Naphthalene	15.515	128	474	3.381	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.705	180	26	2.836	ug/l	# 12

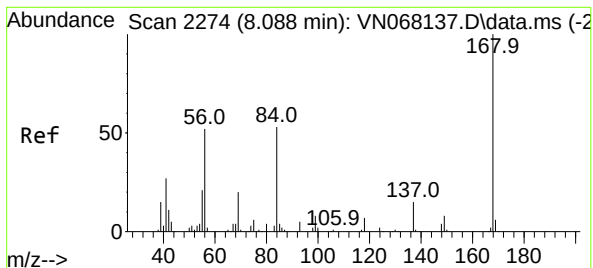
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.003 min

Lab File: VN068254.D

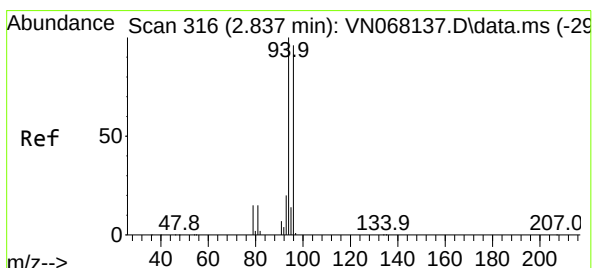
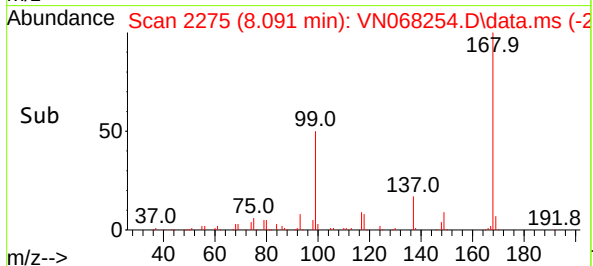
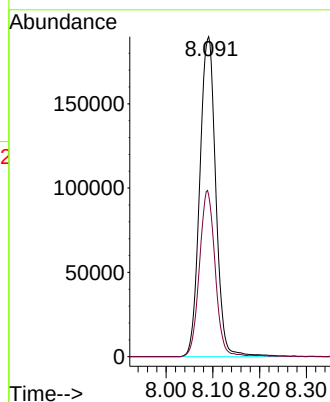
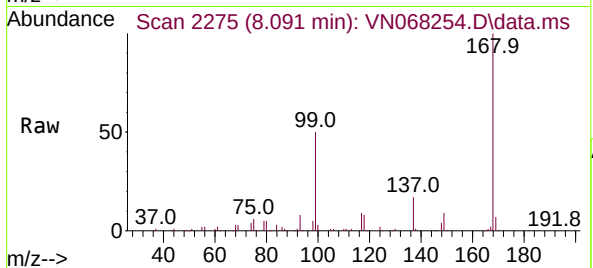
Acq: 20 Aug 2021 18:56

Tgt Ion:168 Resp: 452544

Ion Ratio Lower Upper

168 100

99 50.5 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.837 min Scan# 316

Delta R.T. 0.000 min

Lab File: VN068254.D

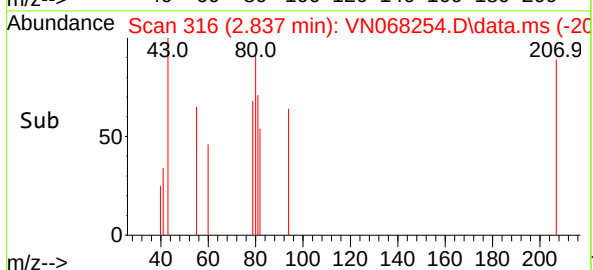
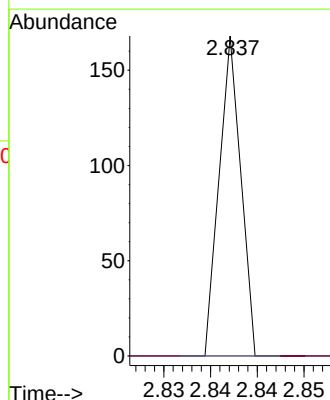
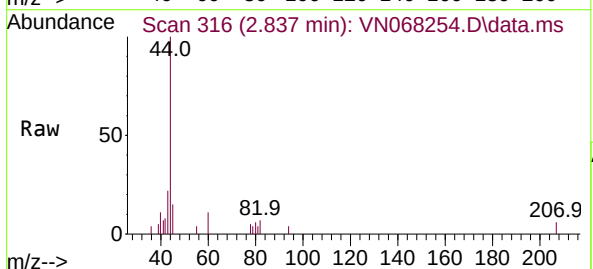
Acq: 20 Aug 2021 18:56

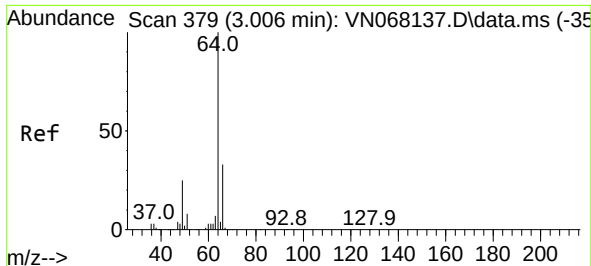
Tgt Ion: 94 Resp: 27

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

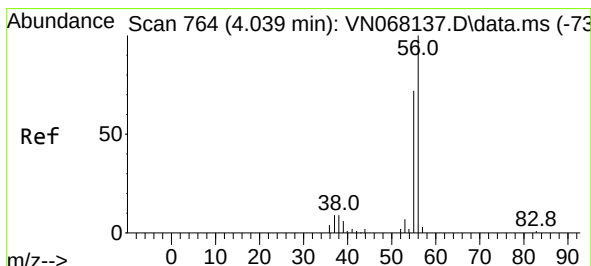
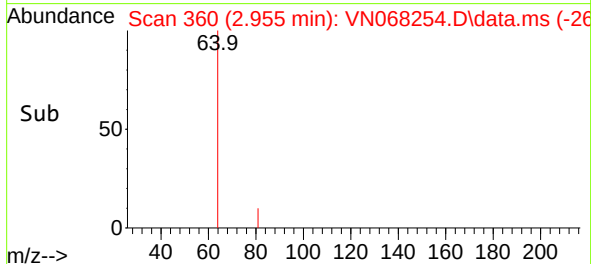
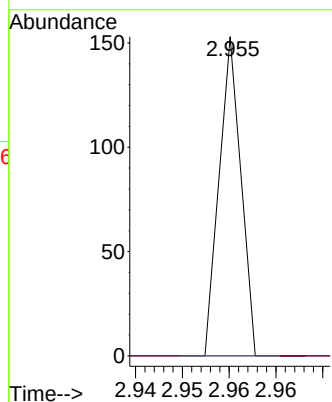
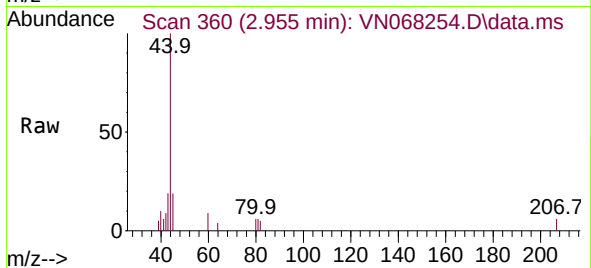




#6
Chloroethane
Concen: Below Cal
RT: 2.955 min Scan# 360
Delta R.T. -0.051 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

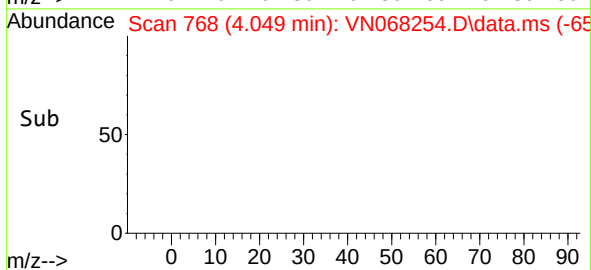
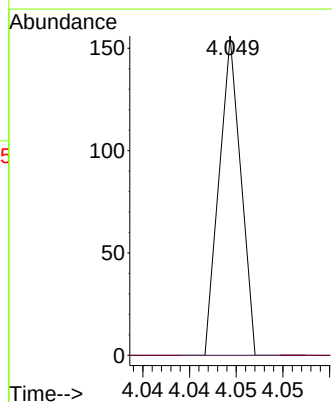
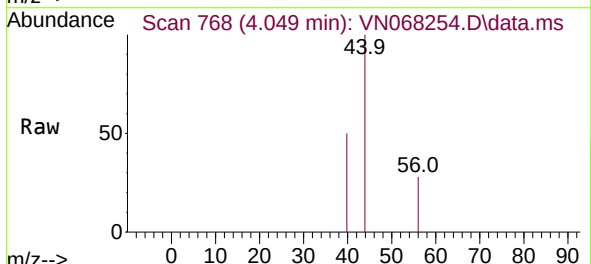
Instrument :
MSVOA_N
ClientSampled :

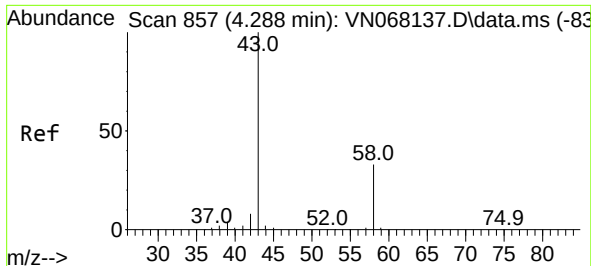
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

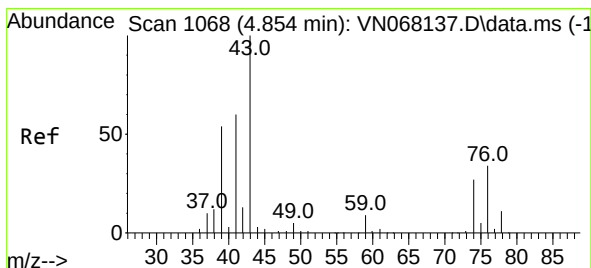
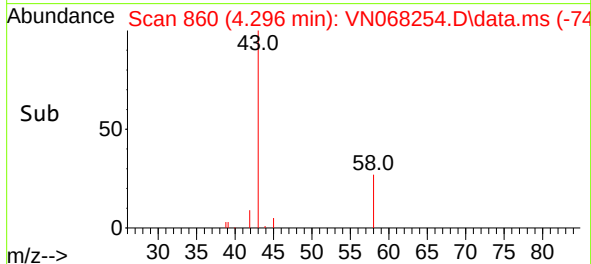
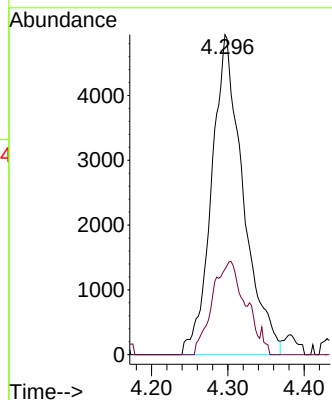
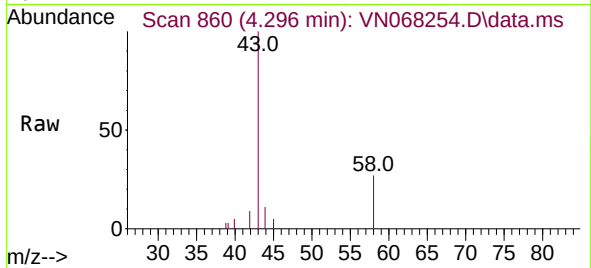




#16
Acetone
Concen: 10.043 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

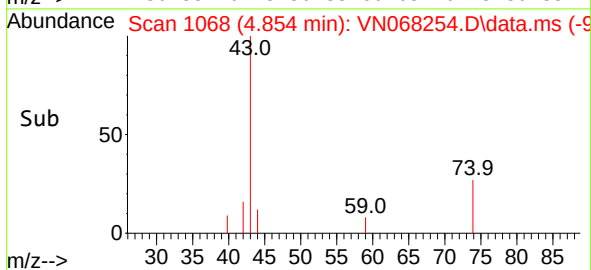
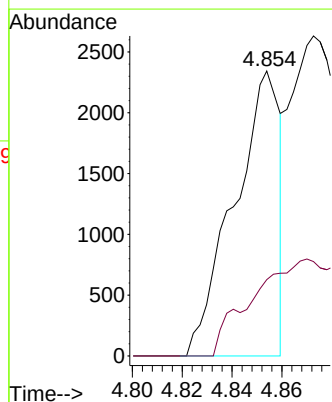
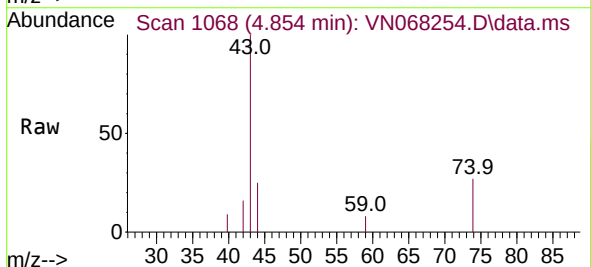
Instrument :
MSVOA_N
ClientSampled :

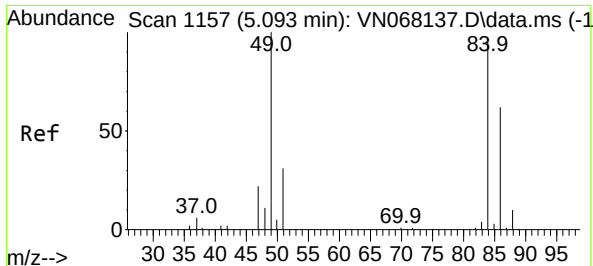
Tgt Ion: 43 Resp: 14169
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
74 53.5 17.4 26.0#

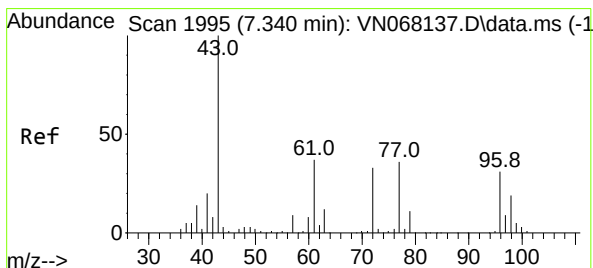
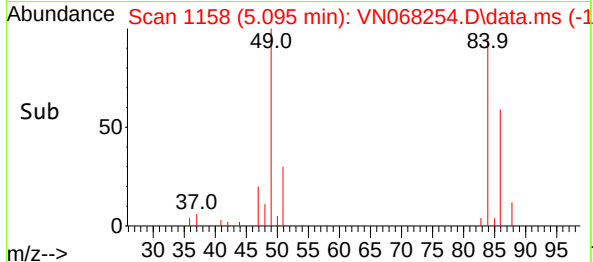
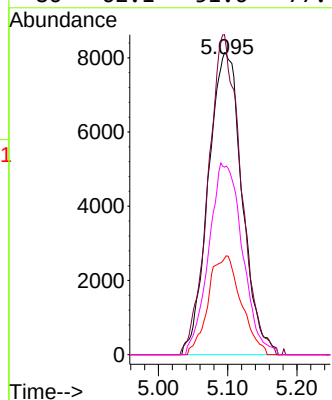
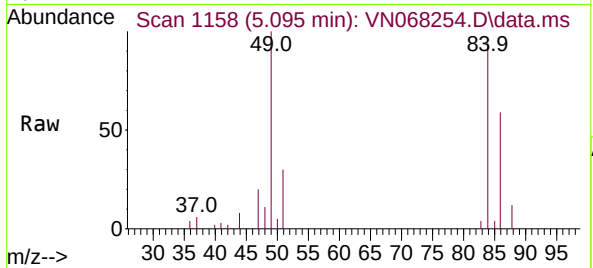




#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

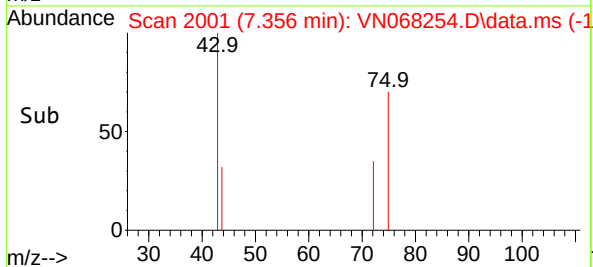
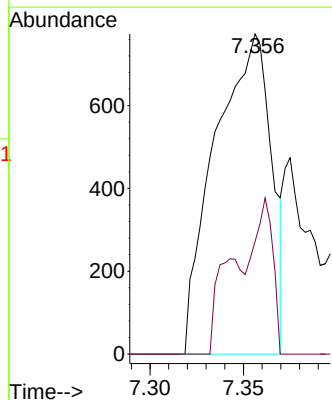
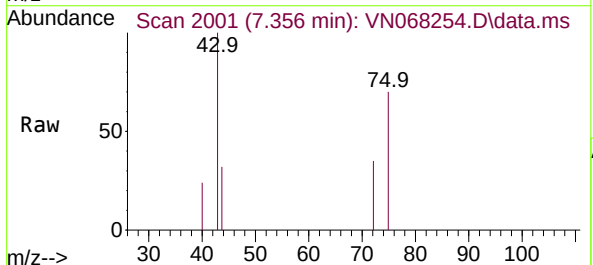
Instrument :
MSVOA_N
ClientSampled :

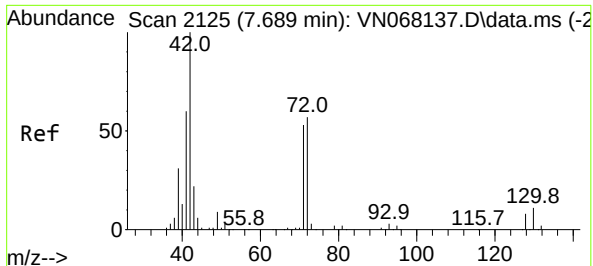
Tgt Ion:	84	Resp:	27651
Ion	Ratio	Lower	Upper
84	100		
49	106.0	110.9	166.3#
51	31.9	32.6	49.0#
86	62.1	51.6	77.4



#25
2-Butanone
Concen: 0.734 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion:	43	Resp:	1614
Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.013 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

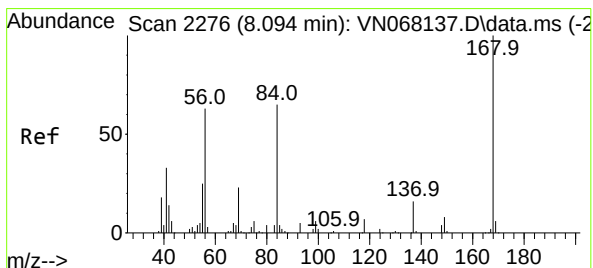
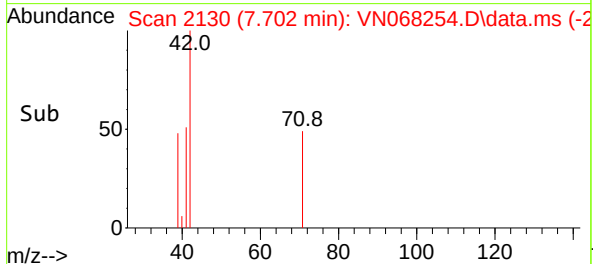
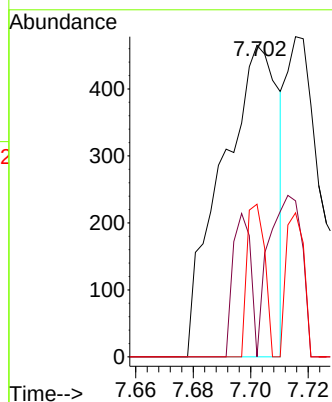
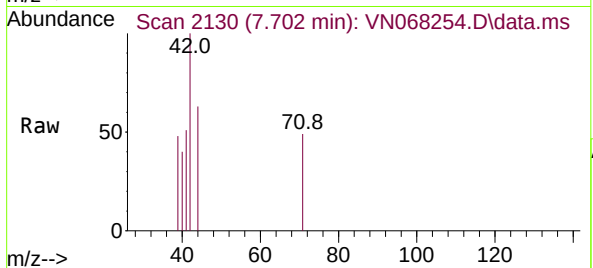
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

42 100

72 14.3 32.8 49.2#

71 15.4 31.2 46.8#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

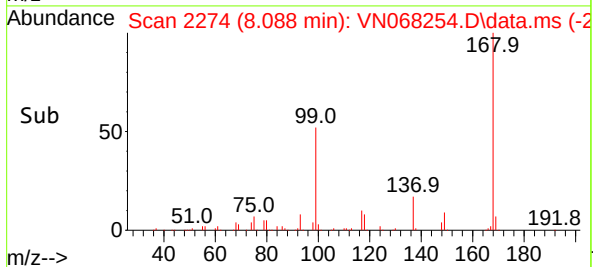
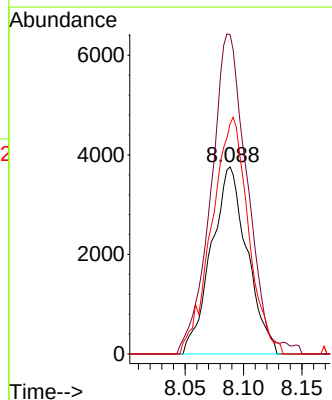
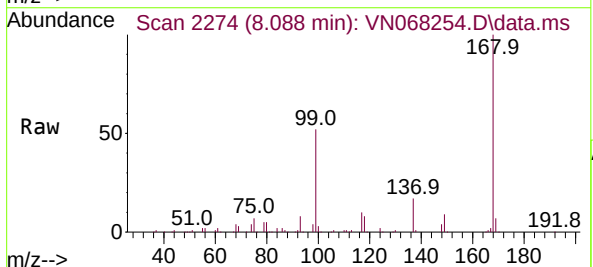
Tgt Ion: 56 Resp: 8021

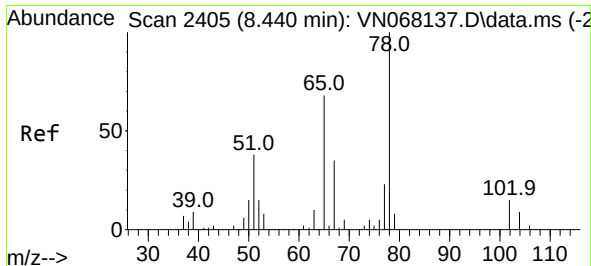
Ion Ratio Lower Upper

56 100

69 166.3 27.3 40.9#

84 123.0 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 55.801 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

Tgt Ion: 65 Resp: 269628

Ion Ratio Lower Upper

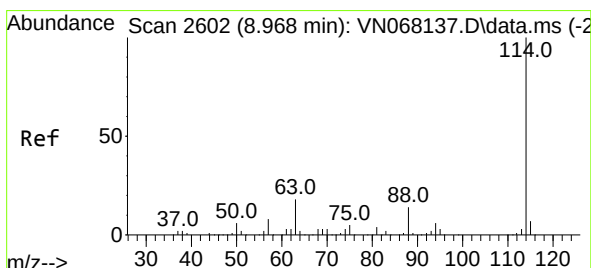
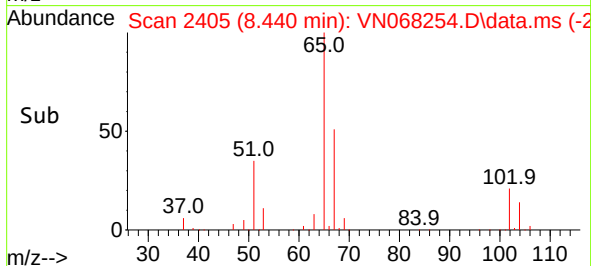
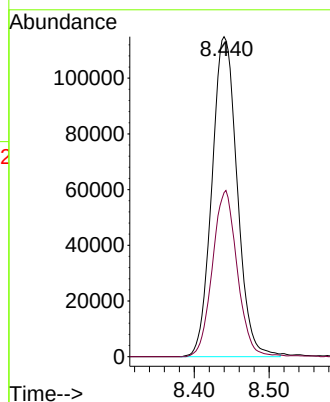
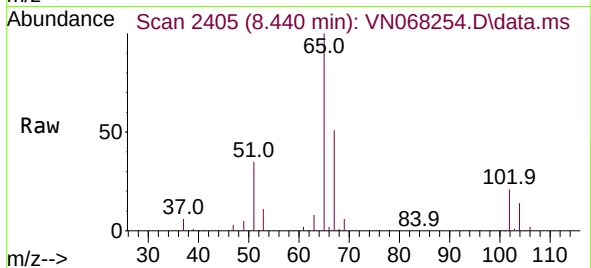
65 100

67 51.0 0.0 98.6

Instrument :

MSVOA_N

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

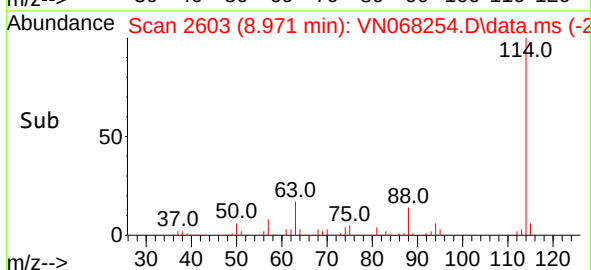
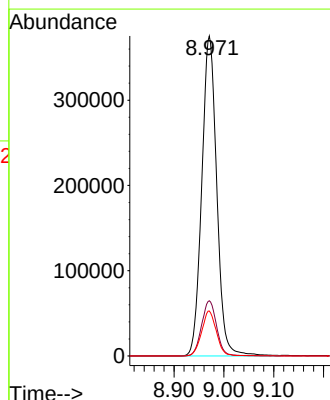
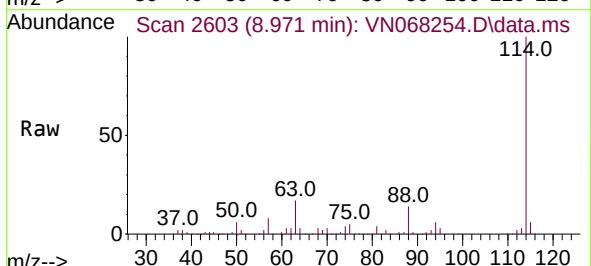
Tgt Ion: 114 Resp: 785231

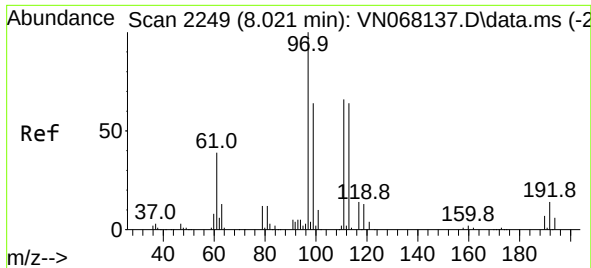
Ion Ratio Lower Upper

114 100

63 17.2 0.0 49.0

88 14.1 0.0 36.6

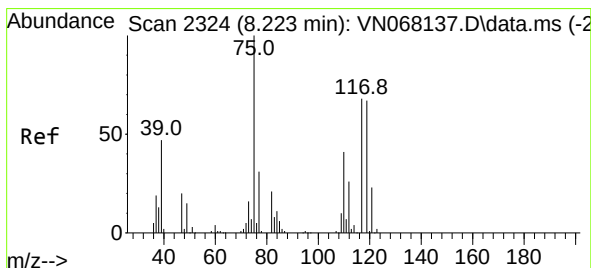
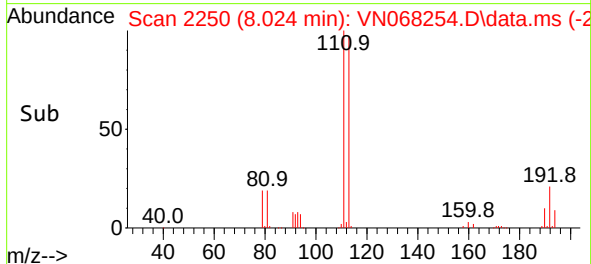
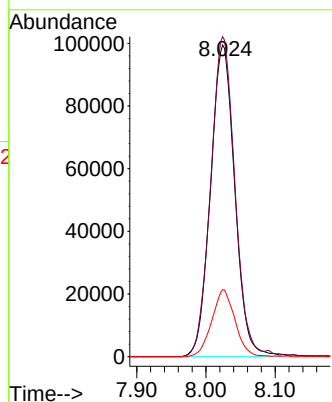
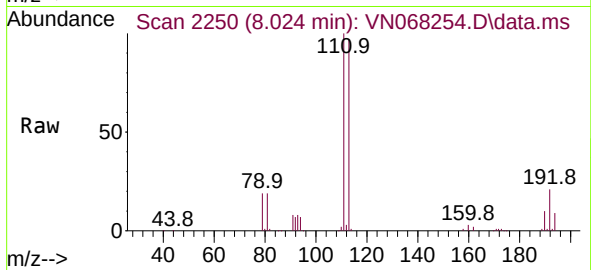




#35
Dibromofluoromethane
Concen: 49.089 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

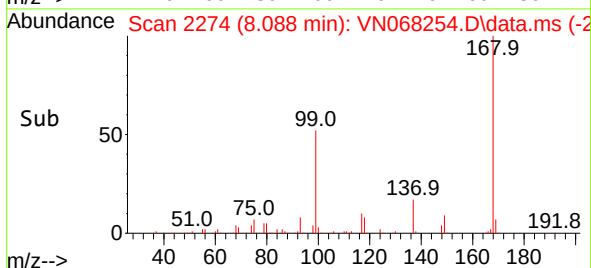
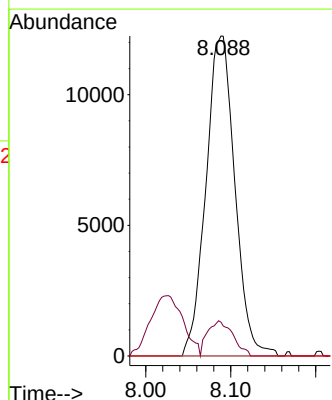
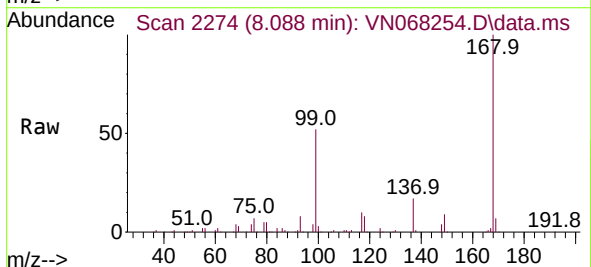
Instrument :
MSVOA_N
ClientSampled :

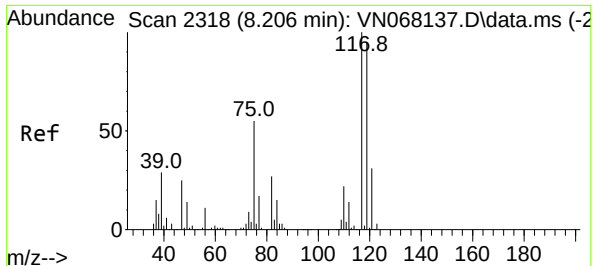
Tgt Ion:113 Resp: 242001
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

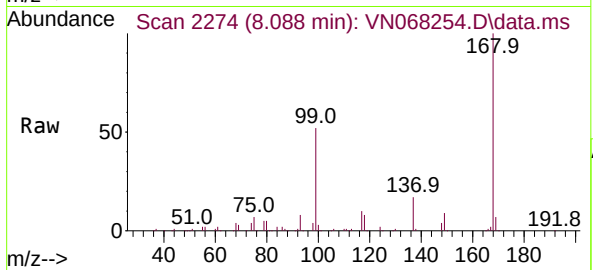
Tgt Ion: 75 Resp: 29017
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



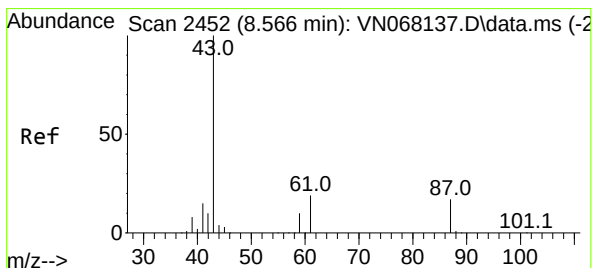
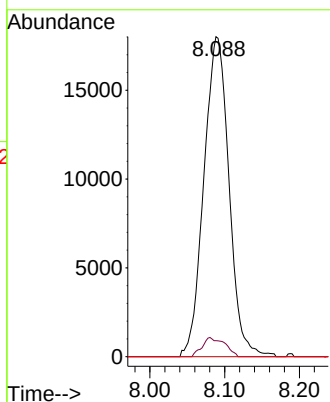
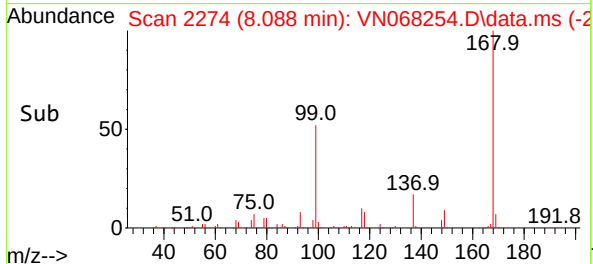


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

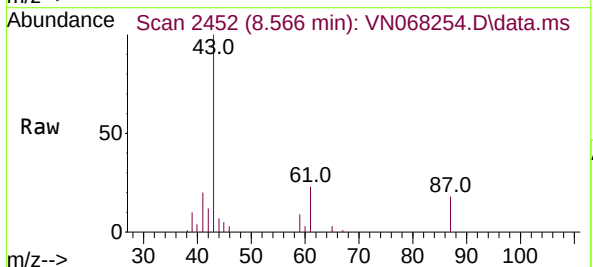
Instrument :
MSVOA_N
ClientSampled :



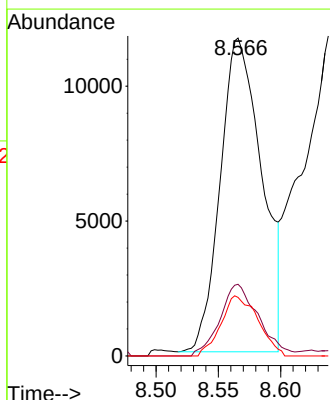
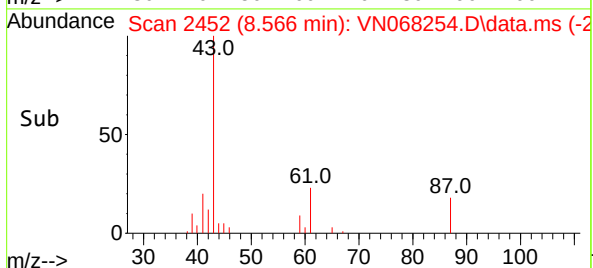
Tgt Ion:117 Resp: 42097
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

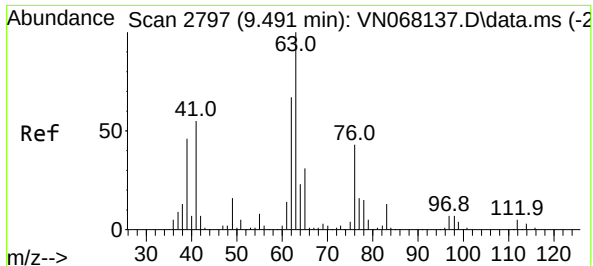


#43
Isopropyl Acetate
Concen: 3.076 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56



Tgt Ion: 43 Resp: 26945
Ion Ratio Lower Upper
43 100
61 21.2 19.0 28.4
87 17.2 9.5 14.3#

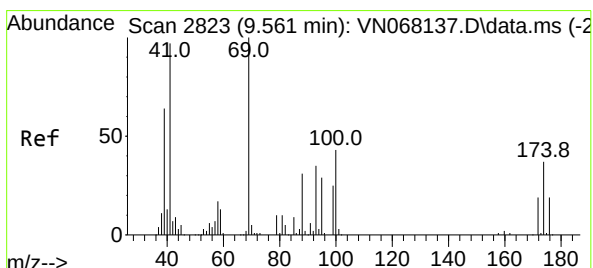
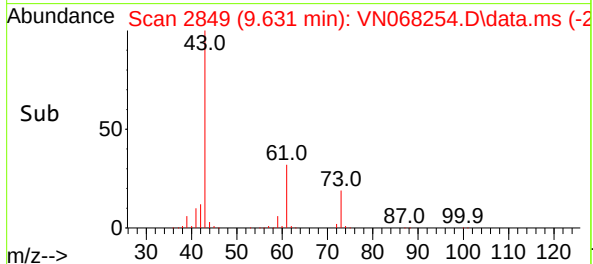
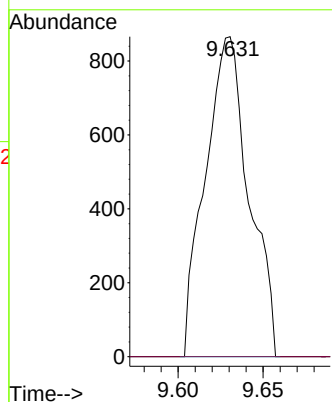
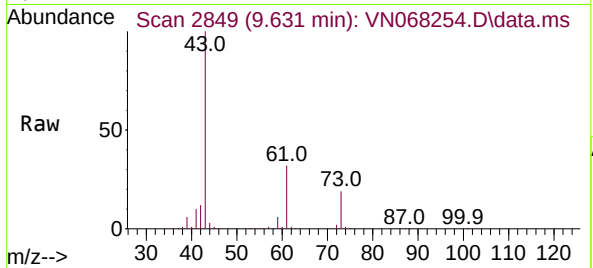




#45
1,2-Dichloropropane
Concen: 0.337 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

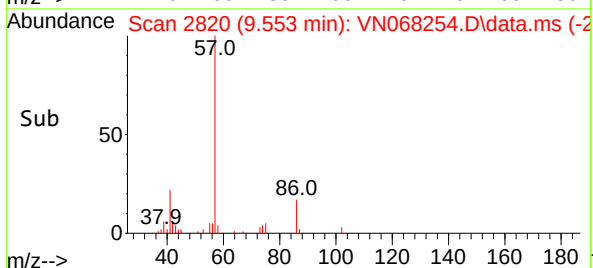
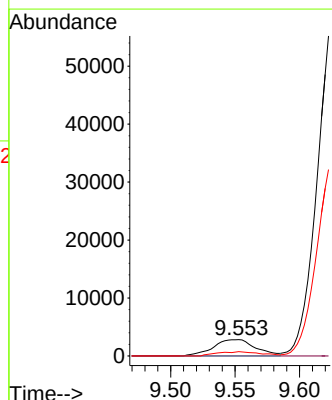
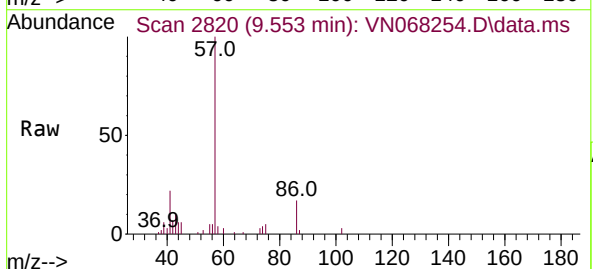
Instrument :
MSVOA_N
ClientSampled :

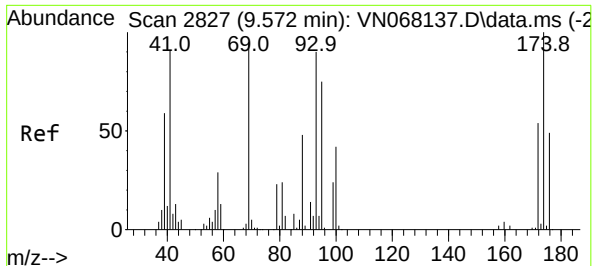
Tgt Ion: 63 Resp: 1551
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 1.764 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.008 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 41 Resp: 6438
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 1.564 ug/l

RT: 9.636 min Scan# 2851

Delta R.T. 0.064 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

88 100

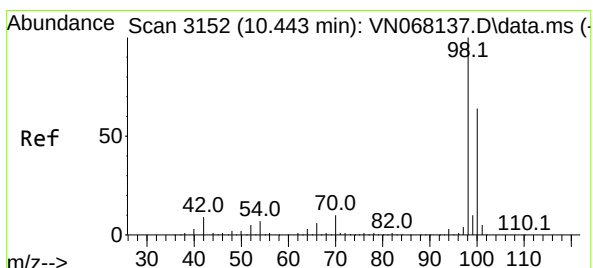
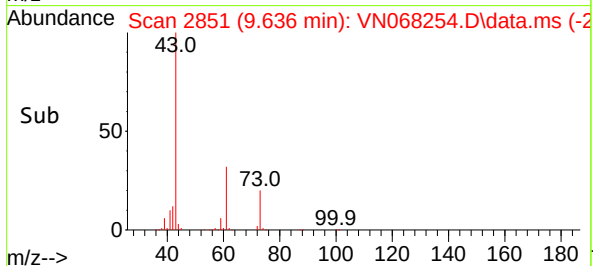
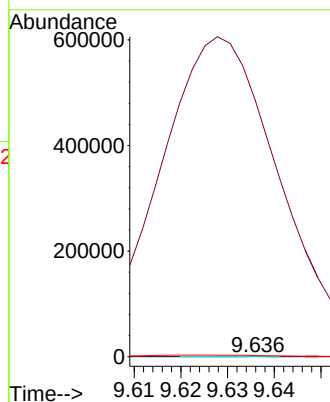
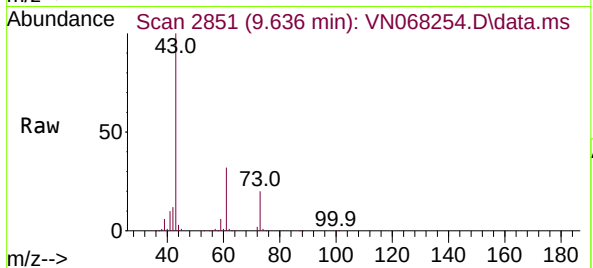
43 840379.0 28.8 43.2#

58 4621.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 52.284 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068254.D

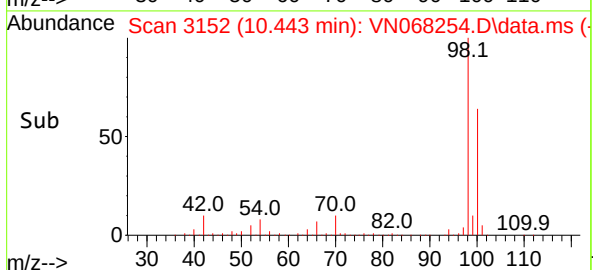
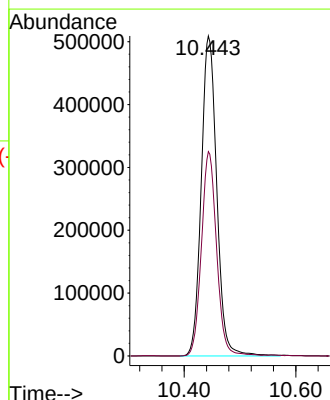
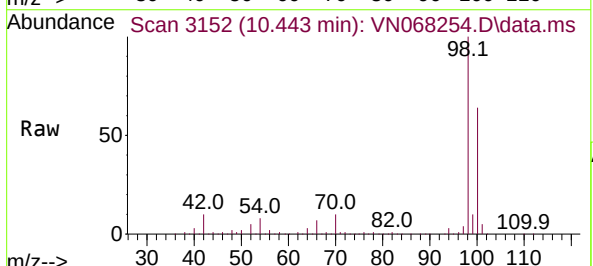
Acq: 20 Aug 2021 18:56

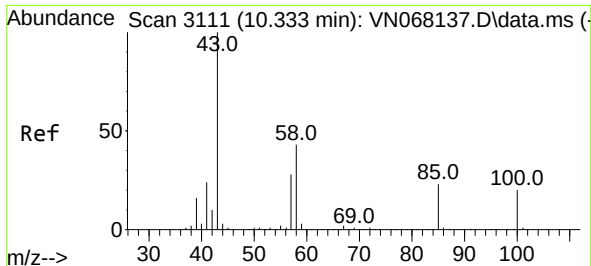
Tgt Ion: 98 Resp: 982129

Ion Ratio Lower Upper

98 100

100 62.6 51.7 77.5

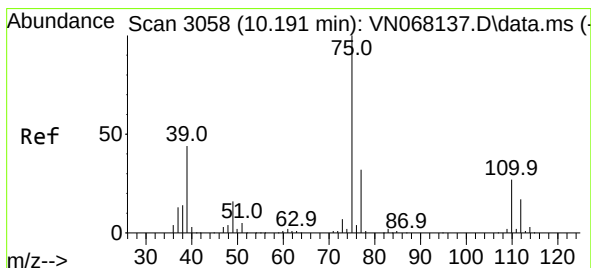
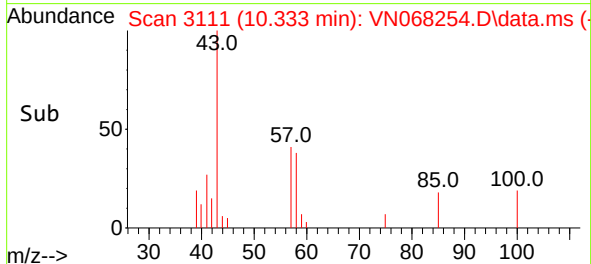
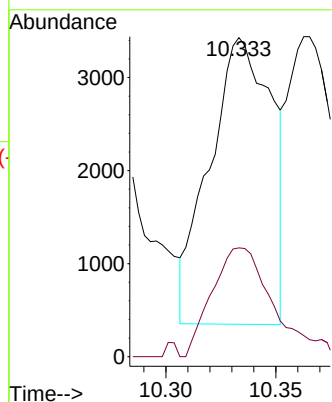
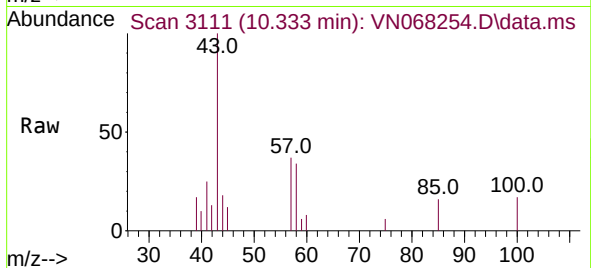




#51
4-Methyl-2-Pentanone
Concen: 1.123 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

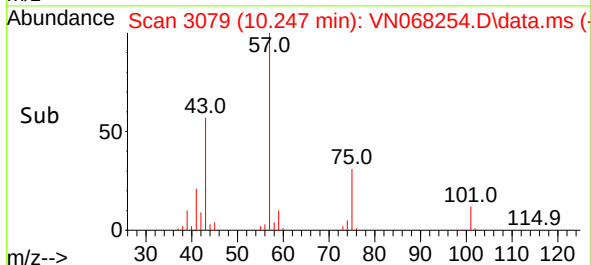
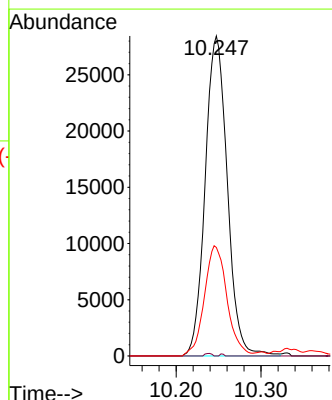
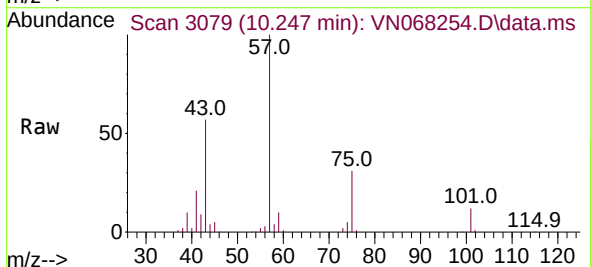
Instrument :
MSVOA_N
ClientSampled :

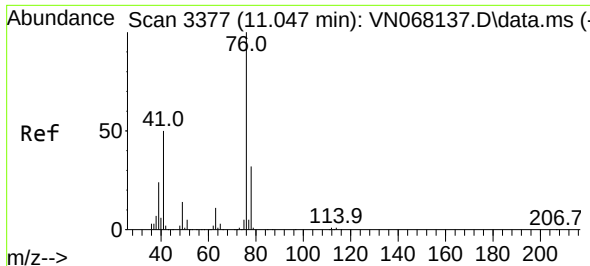
Tgt Ion: 43 Resp: 6041
Ion Ratio Lower Upper
43 100
58 37.5 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 6.925 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 75 Resp: 51477
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 33.9 50.7 76.1#

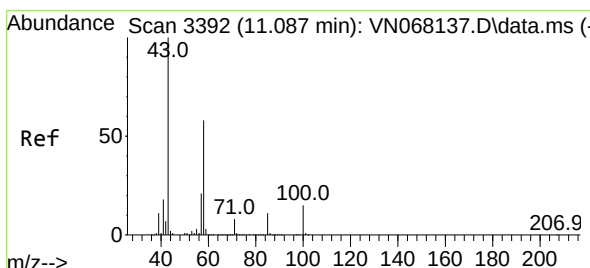
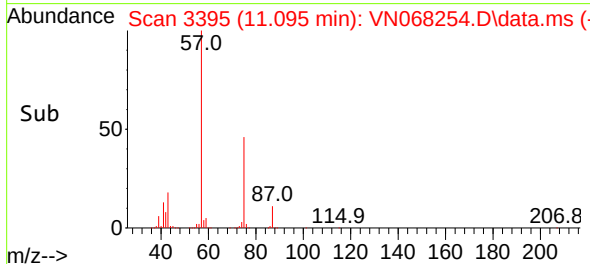
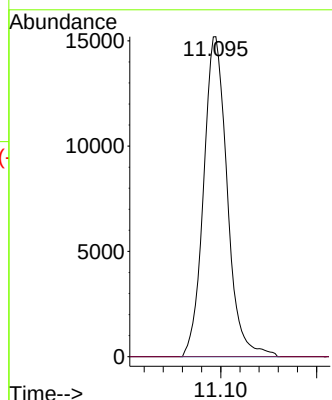
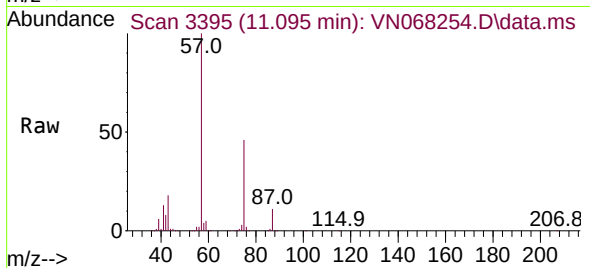




#57
1,3-Dichloropropane
Concen: 3.172 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

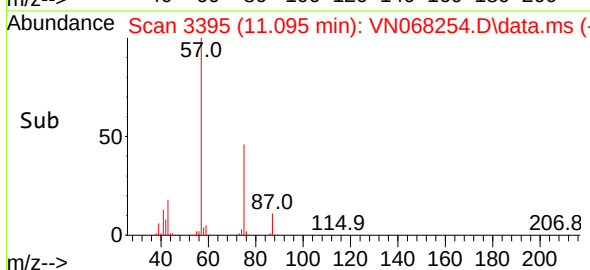
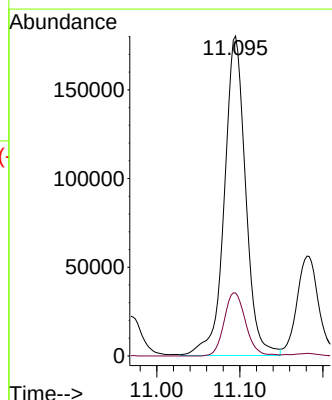
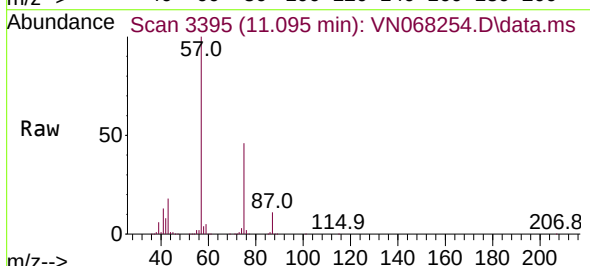
Instrument :
MSVOA_N
ClientSampled :

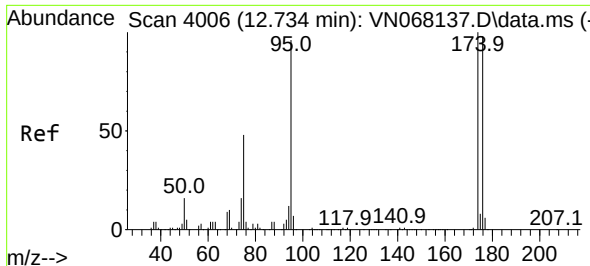
Tgt Ion: 76 Resp: 26076
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 86.012 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 43 Resp: 321360
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

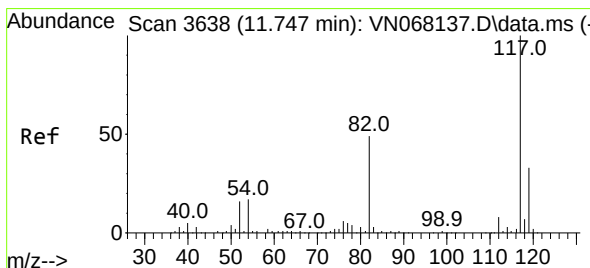
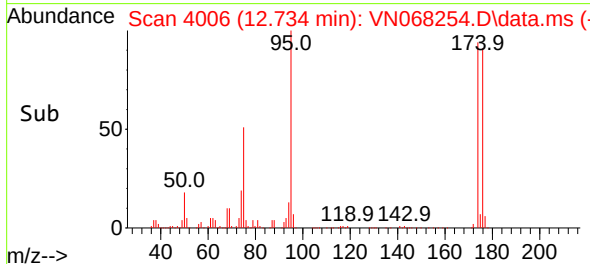
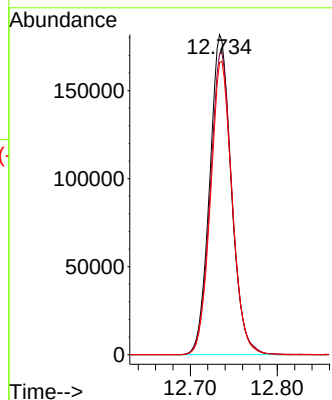
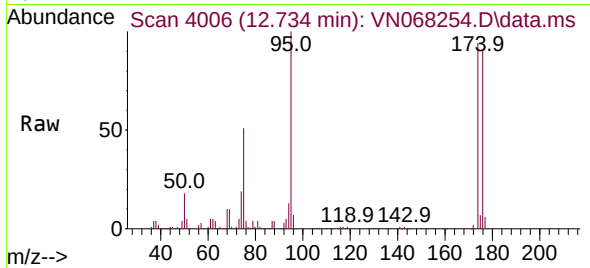




#62
4-Bromofluorobenzene
Concen: 50.219 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

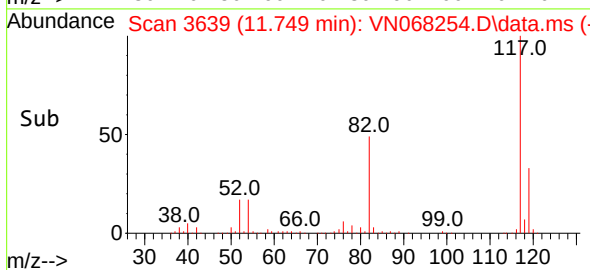
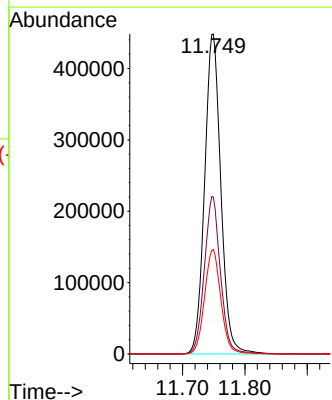
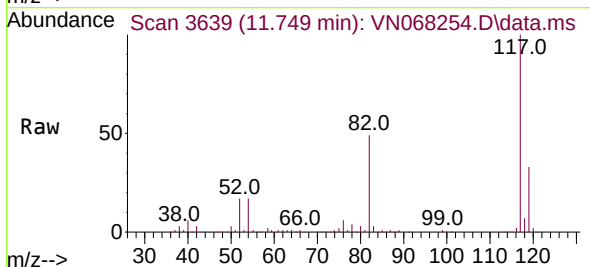
Instrument :
MSVOA_N
ClientSampleId :

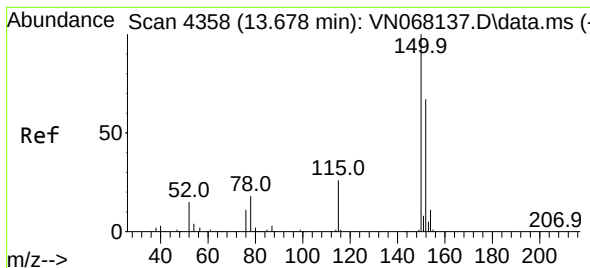
Tgt Ion: 95 Resp: 314036
Ion Ratio Lower Upper
95 100
174 95.7 0.0 122.0
176 91.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion: 117 Resp: 810649
Ion Ratio Lower Upper
117 100
82 49.0 53.1 79.7#
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. -0.000 min

Lab File: VN068254.D

Acq: 20 Aug 2021 18:56

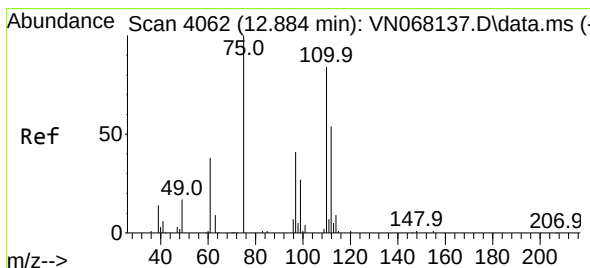
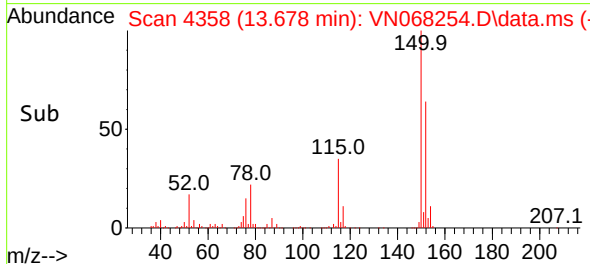
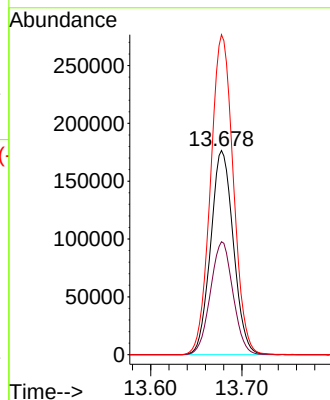
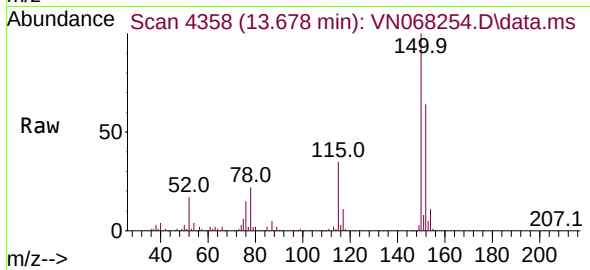
Tgt Ion:152 Resp: 305514

Ion Ratio Lower Upper

152 100

115 55.0 36.1 108.5

150 157.2 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 31.316 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.150 min

Lab File: VN068254.D

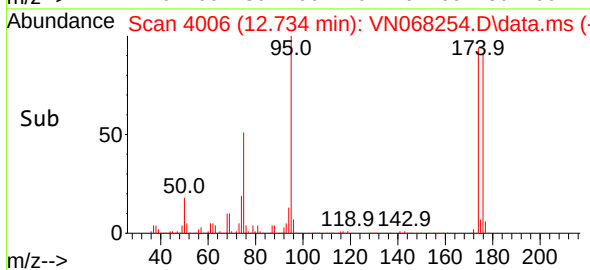
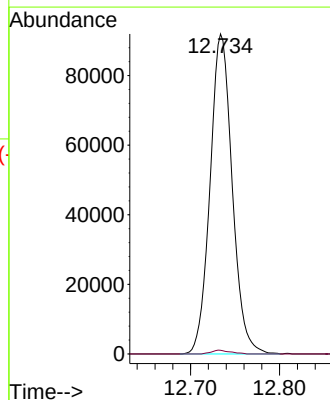
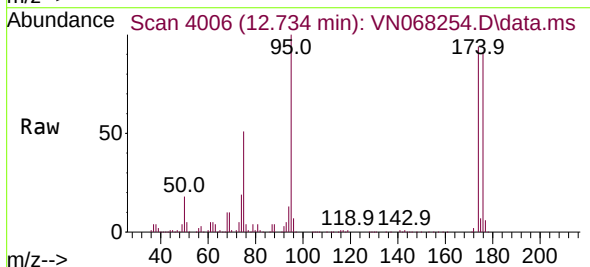
Acq: 20 Aug 2021 18:56

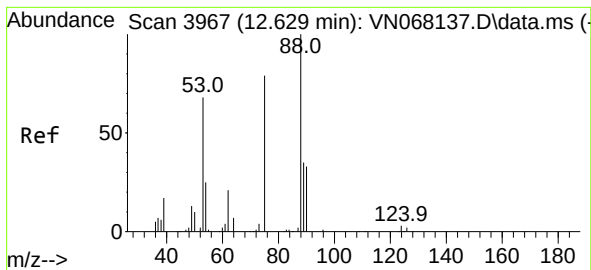
Tgt Ion: 75 Resp: 159021

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

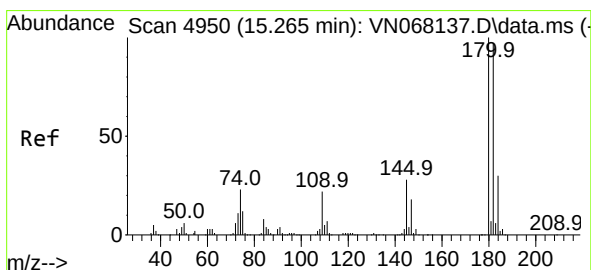
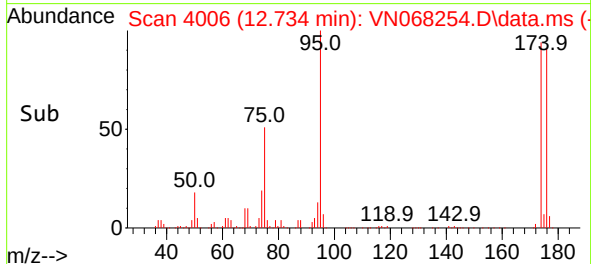
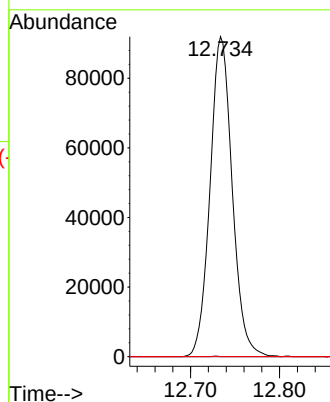
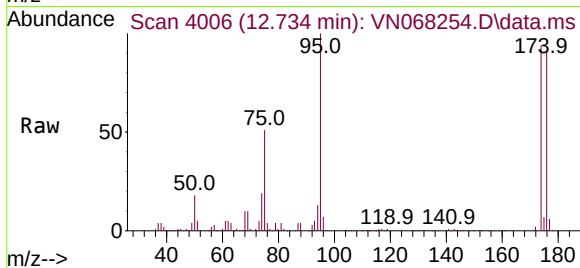




#81
trans-1,4-Dichloro-2-butene
Concen: 102.596 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

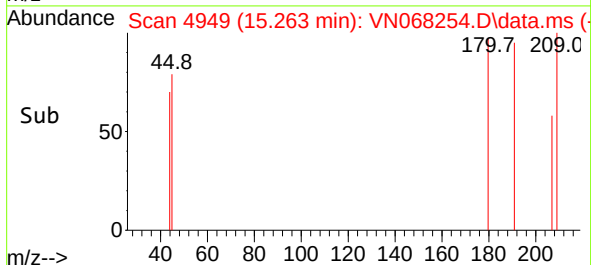
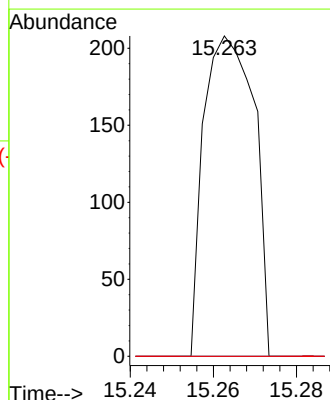
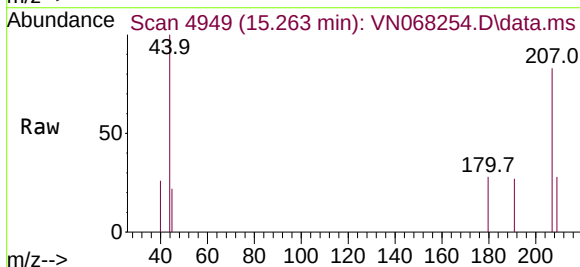
Instrument :
MSVOA_N
ClientSampled :

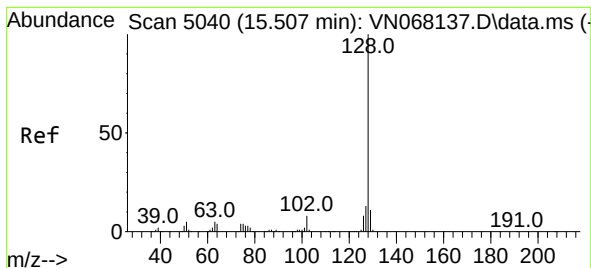
Tgt Ion: 75 Resp: 159021
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.717 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#

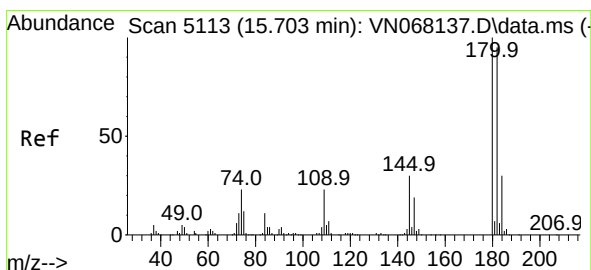
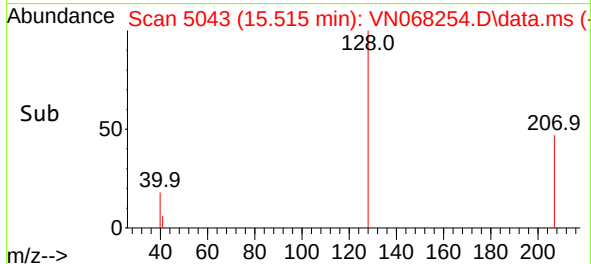
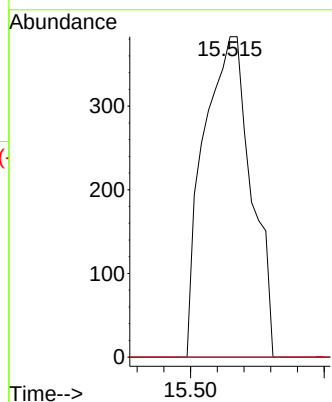
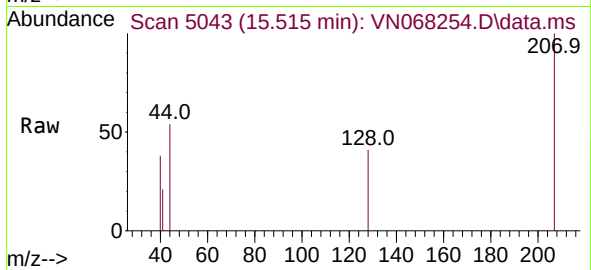




#95
Naphthalene
Concen: 3.381 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 474
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.836 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068254.D
Acq: 20 Aug 2021 18:56

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

