

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068223.D
 Acq On : 19 Aug 2021 17:53
 Operator : JC/MD
 Sample : PB138556ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:55:24 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)

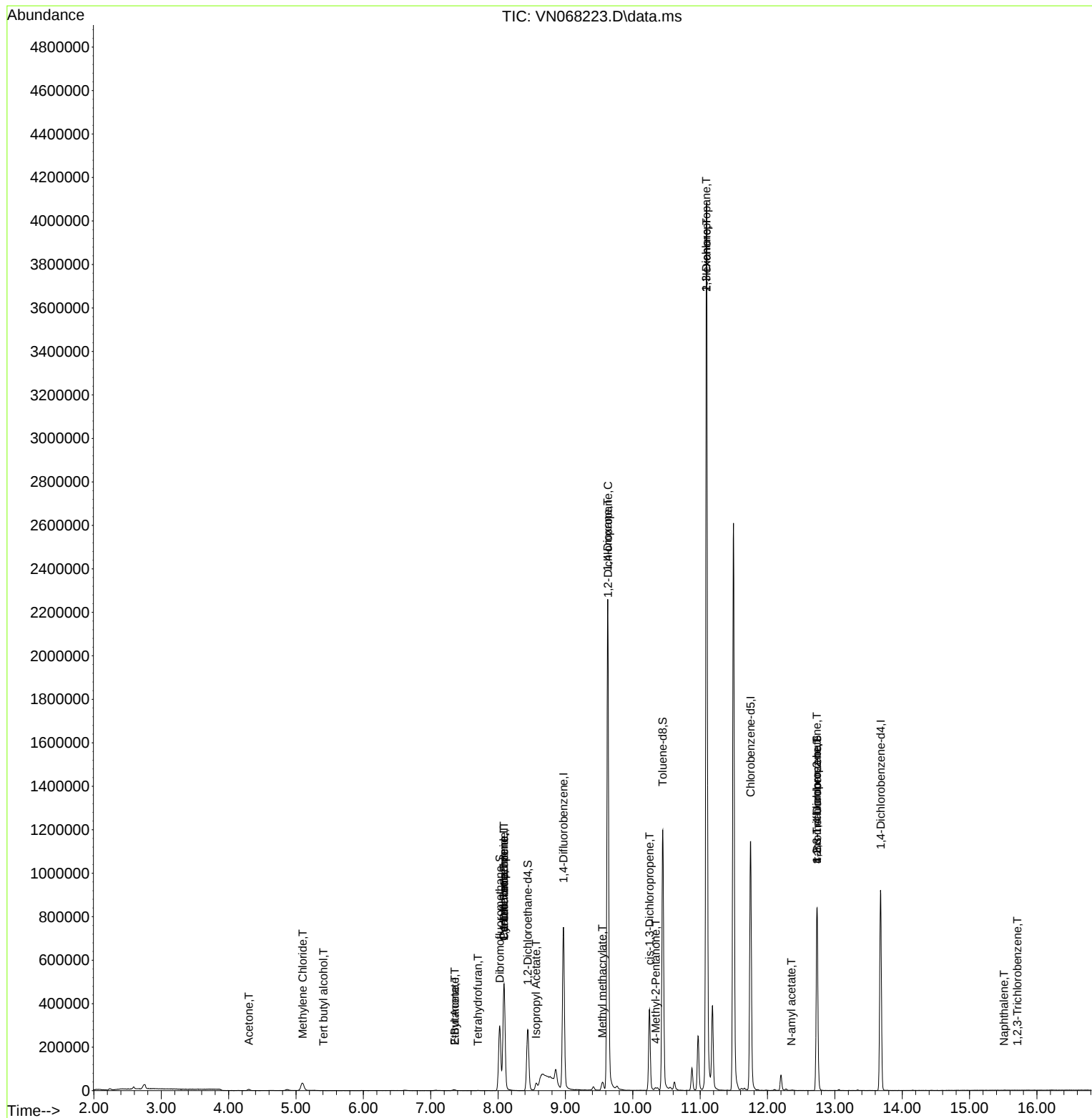
Internal Standards						
1) Pentafluorobenzene	8.088	168	409394	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	714916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	757254	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	282556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238185	54.490	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.980%			
35) Dibromofluoromethane	8.026	113	217996	48.568	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.140%			
50) Toluene-d8	10.443	98	884212	51.701	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.736	95	282003	49.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.060%			
Target Compounds						Qvalue
5) Bromomethane	2.877	94	1213	Below Cal		96
6) Chloroethane	3.041	64	52	Below Cal	#	44
11) Tert butyl alcohol	5.409	59	502	0.921	ug/l #	71
13) Acrolein	4.044	56	110	Below Cal	#	72
16) Acetone	4.299	43	10230	8.016	ug/l	92
18) Methyl Acetate	4.867	43	9095	Below Cal	#	82
20) Methylene Chloride	5.098	84	30295	6.740	ug/l #	76
25) 2-Butanone	7.356	43	5568	2.799	ug/l	95
29) Tetrahydrofuran	7.699	42	585	0.460	ug/l #	80
31) Cyclohexane	8.085	56	7270	1.263	ug/l #	1
36) 1,1-Dichloropropene	8.085	75	27926	4.778	ug/l #	52
37) Ethyl Acetate	7.356	43	5568	1.118	ug/l #	69
38) Carbon Tetrachloride	8.085	117	38354	5.690	ug/l #	17
43) Isopropyl Acetate	8.566	43	39402	4.941	ug/l #	93
45) 1,2-Dichloropropane	9.633	63	2764	0.659	ug/l #	44
48) Methyl methacrylate	9.550	41	9079	2.732	ug/l #	12
49) 1,4-Dioxane	9.625	88	220	2.739	ug/l #	1
51) 4-Methyl-2-Pentanone	10.341	43	5064	1.034	ug/l #	62
54) cis-1,3-Dichloropropene	10.247	75	73001	10.786	ug/l #	54
57) 1,3-Dichloropropane	11.092	76	47549	6.353	ug/l #	43
59) 2-Hexanone	11.095	43	575226	169.101	ug/l #	57
74) N-amyl acetate	12.355	43	1120	0.214	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	142903	30.428	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	142903	99.688	ug/l #	6
95) Naphthalene	15.512	128	506	3.387	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	50	2.842	ug/l #	78

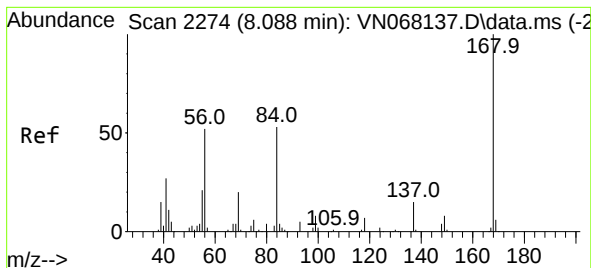
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068223.D

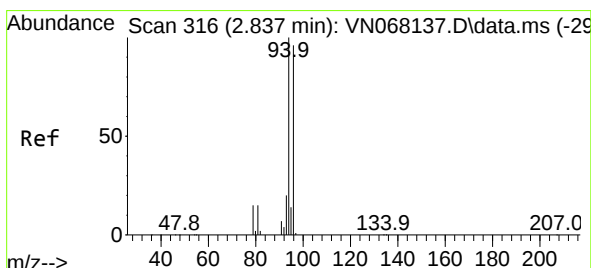
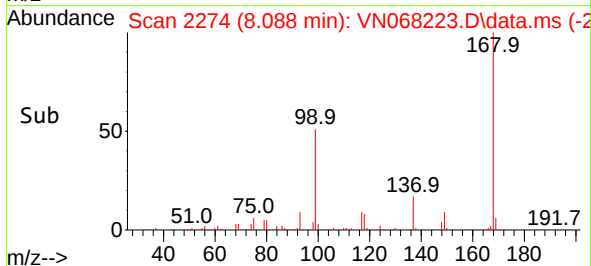
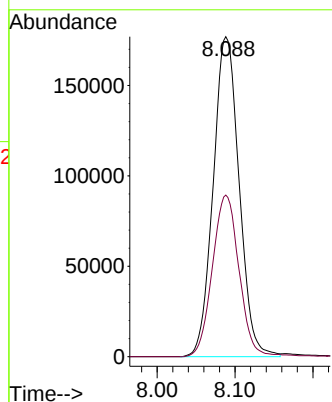
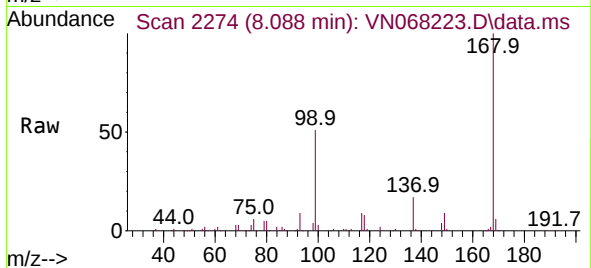
Acq: 19 Aug 2021 17:53

Tgt Ion:168 Resp: 409394

Ion Ratio Lower Upper

168 100

99 50.5 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN068223.D

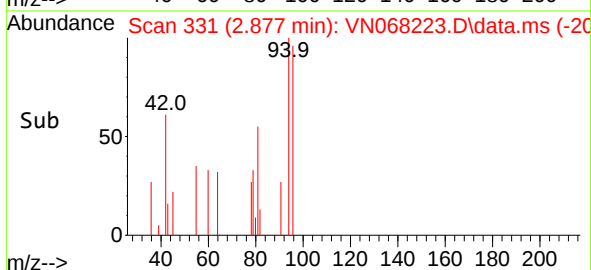
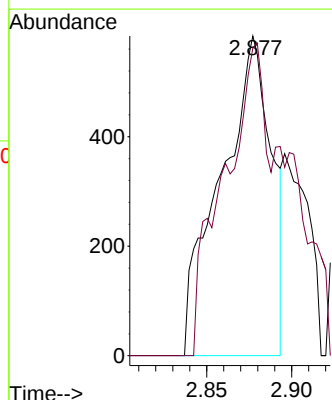
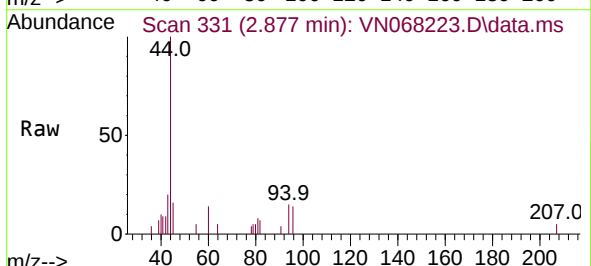
Acq: 19 Aug 2021 17:53

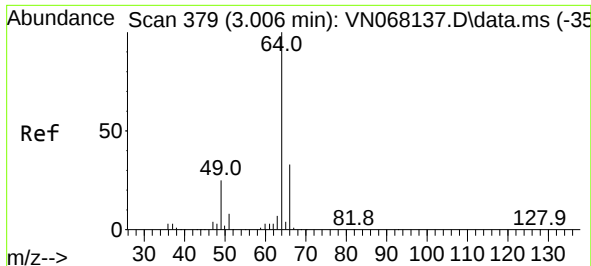
Tgt Ion: 94 Resp: 1213

Ion Ratio Lower Upper

94 100

96 96.2 73.7 110.5

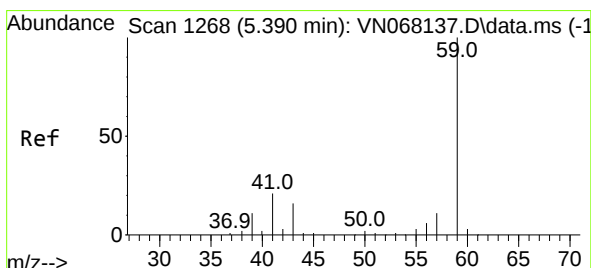
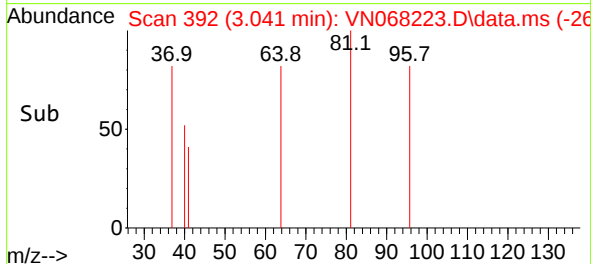
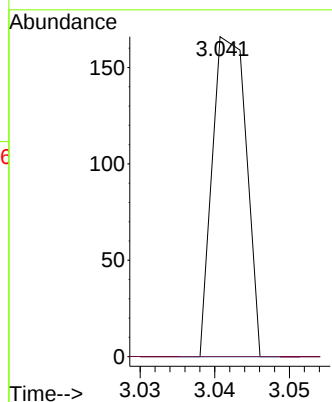
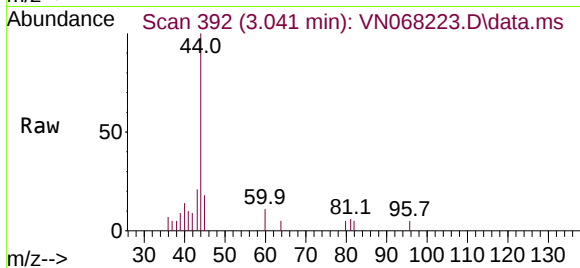




#6
Chloroethane
Concen: Below Cal
RT: 3.041 min Scan# 392
Delta R.T. 0.035 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

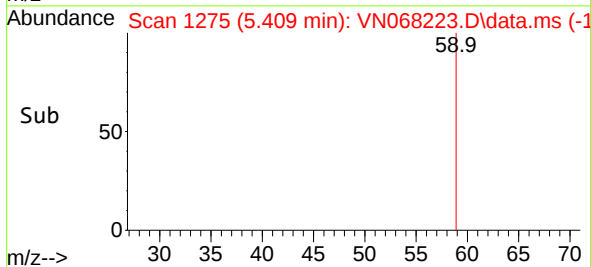
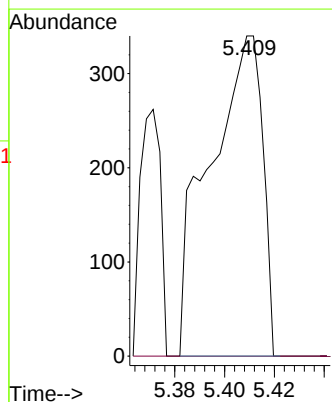
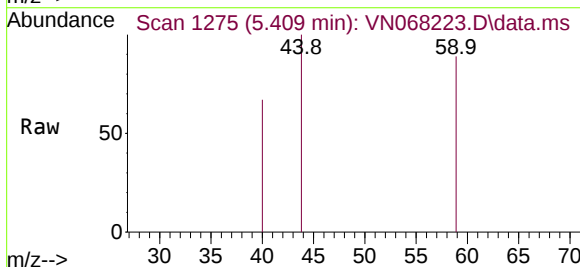
Instrument :
MSVOA_N
ClientSampled :

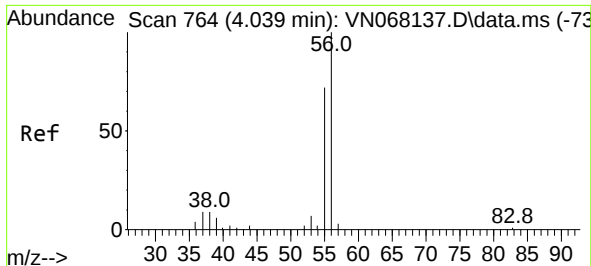
Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.921 ug/l
RT: 5.409 min Scan# 1275
Delta R.T. 0.019 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

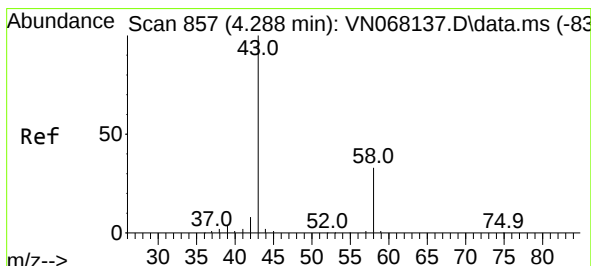
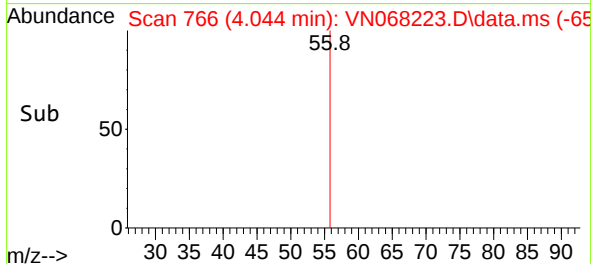
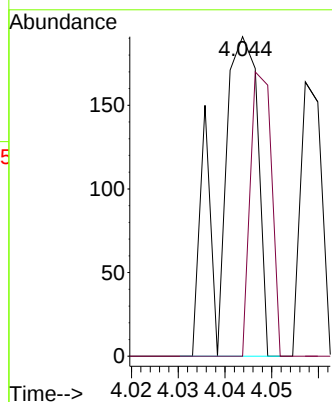
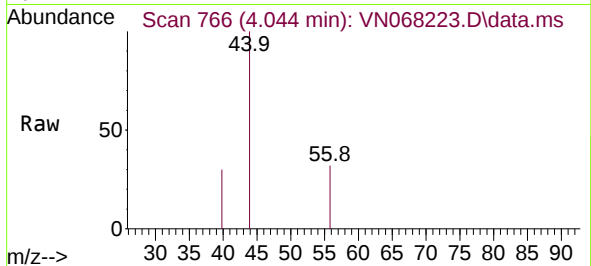




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

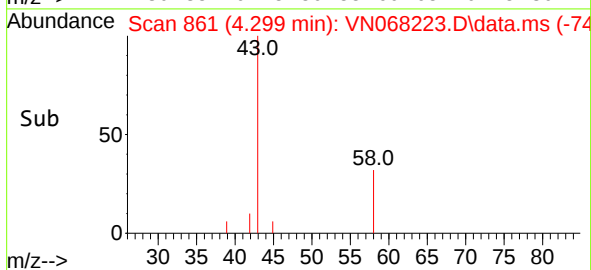
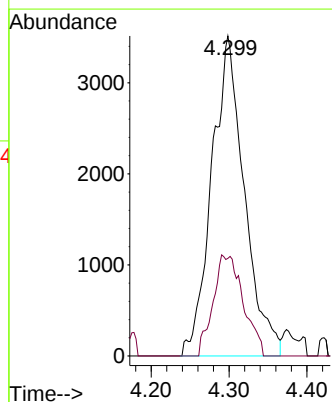
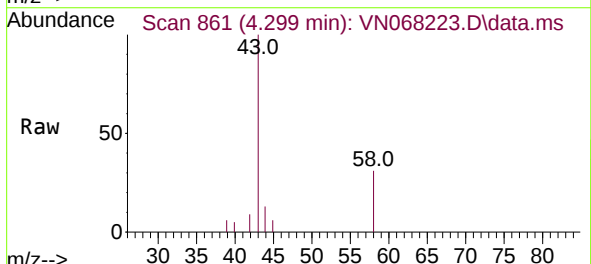
Instrument :
MSVOA_N
ClientSampled :

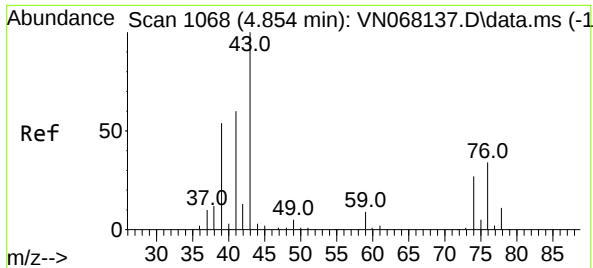
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 48.2 57.4 86.0#



#16
Acetone
Concen: 8.016 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 43 Resp: 10230
Ion Ratio Lower Upper
43 100
58 30.5 21.2 31.8

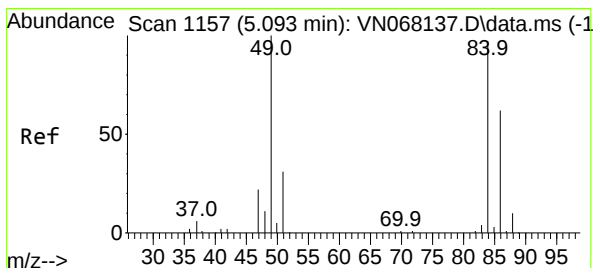
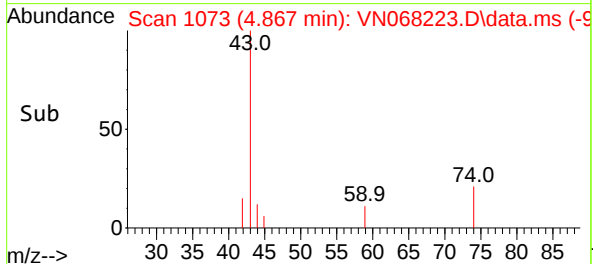
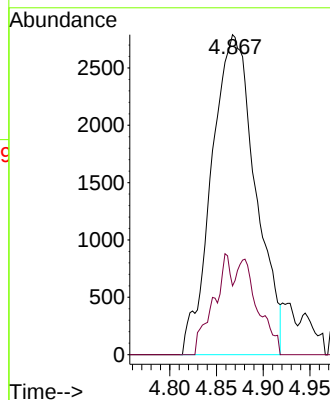
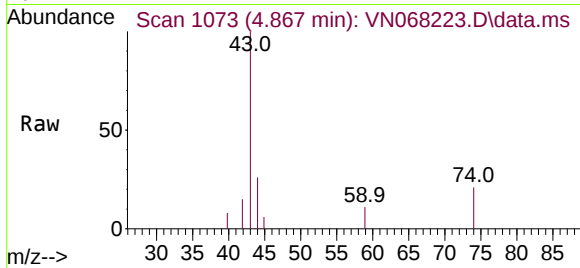




#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

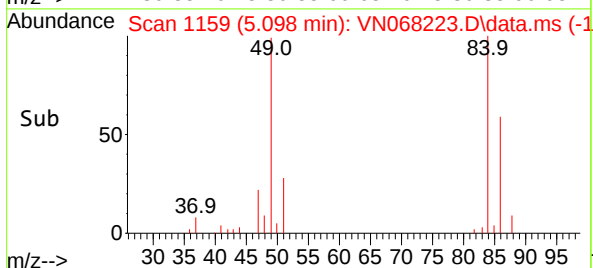
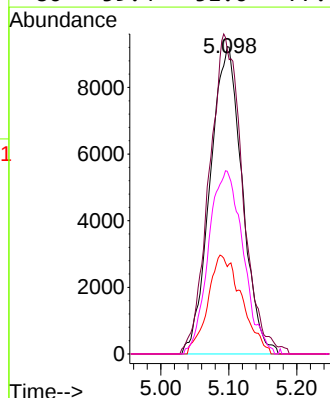
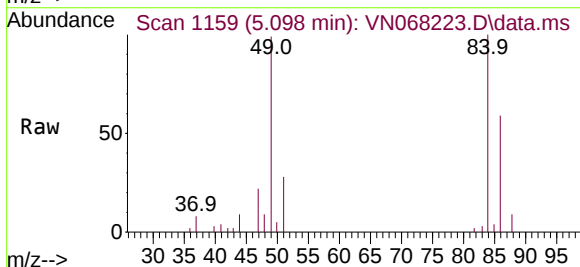
Instrument :
MSVOA_N
ClientSampled :

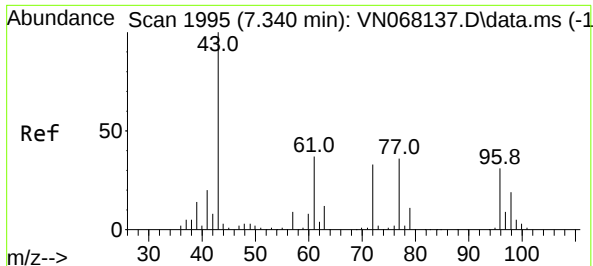
Tgt Ion: 43 Resp: 9095
Ion Ratio Lower Upper
43 100
74 13.0 17.4 26.0#



#20
Methylene Chloride
Concen: 6.740 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 84 Resp: 30295
Ion Ratio Lower Upper
84 100
49 99.2 110.9 166.3#
51 28.4 32.6 49.0#
86 59.4 51.6 77.4

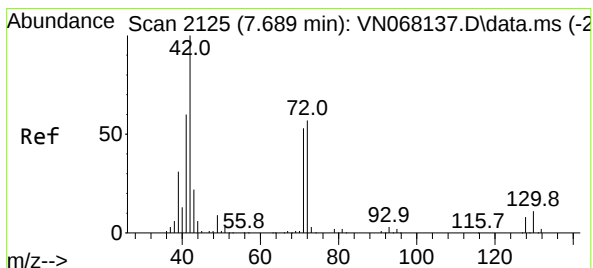
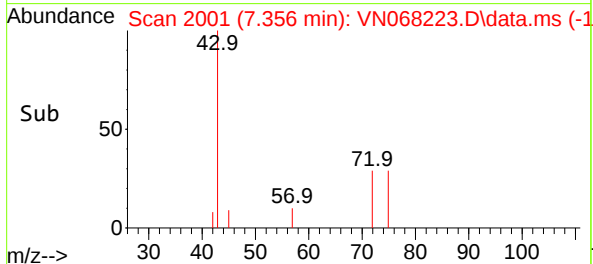
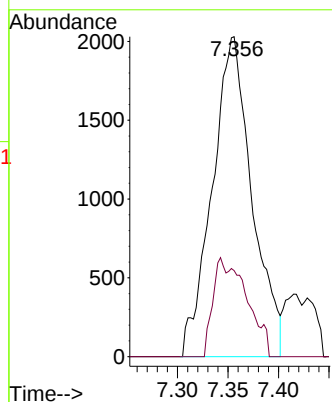
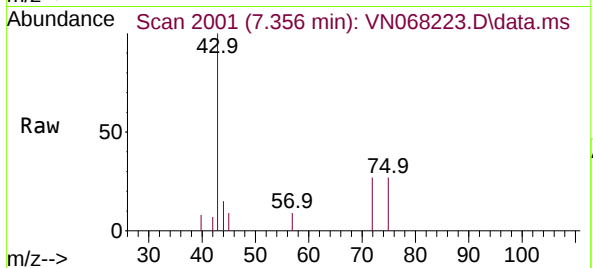




#25
2-Butanone
Concen: 2.799 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

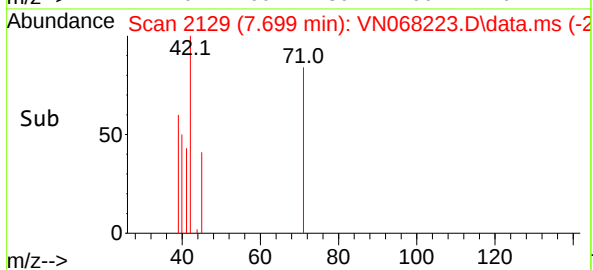
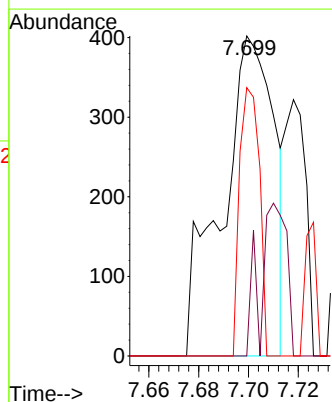
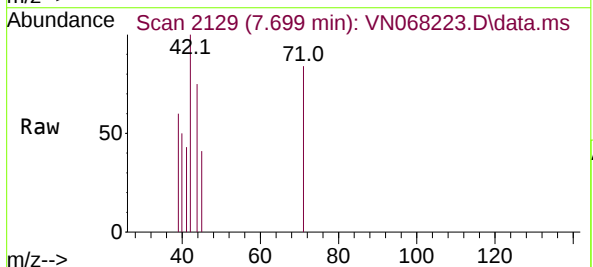
Instrument :
MSVOA_N
ClientSampled :

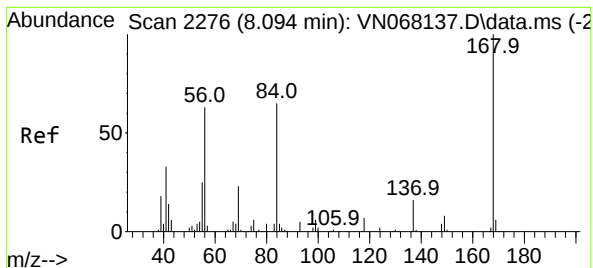
Tgt Ion: 43 Resp: 5568
Ion Ratio Lower Upper
43 100
72 26.9 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.460 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 42 Resp: 585
Ion Ratio Lower Upper
42 100
72 23.8 32.8 49.2#
71 31.8 31.2 46.8

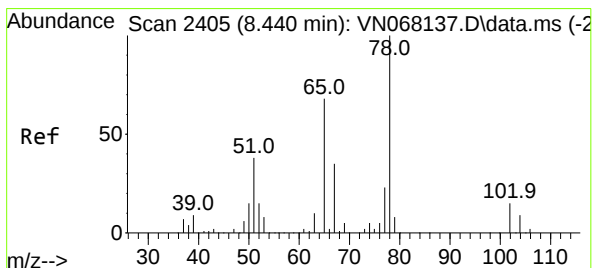
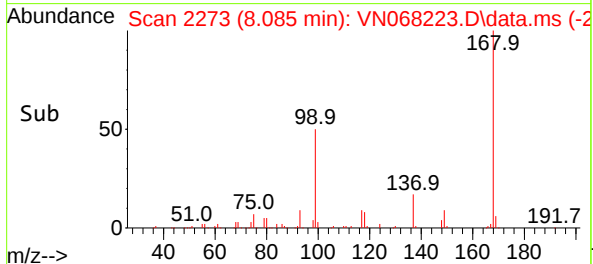
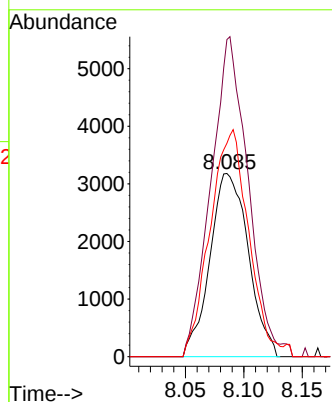
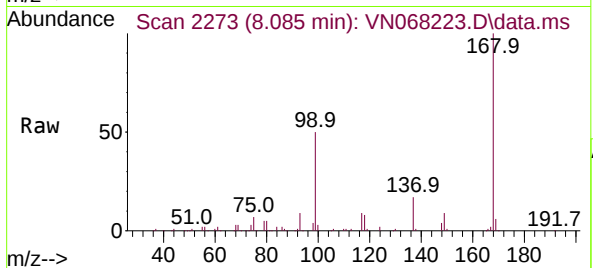




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.009 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

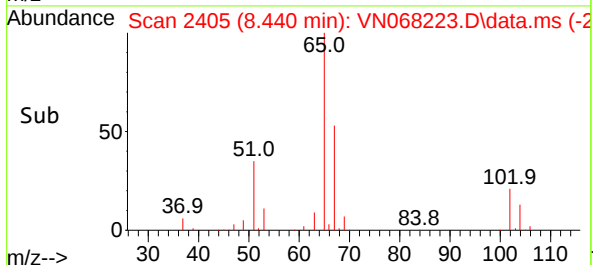
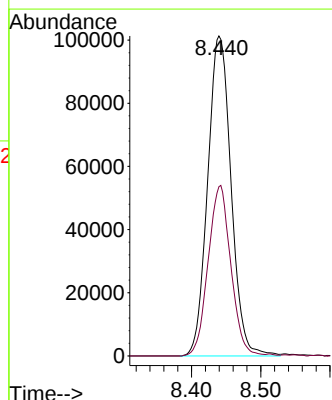
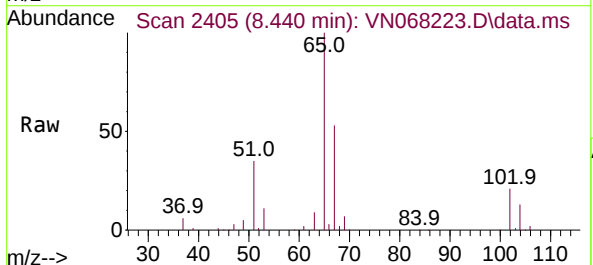
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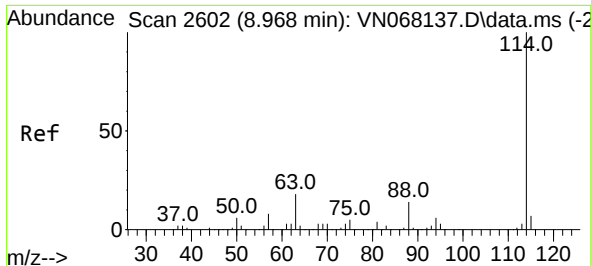
Tgt Ion: 56 Resp: 7270
Ion Ratio Lower Upper
56 100
69 173.0 27.3 40.9#
84 116.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.490 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 65 Resp: 238185
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6

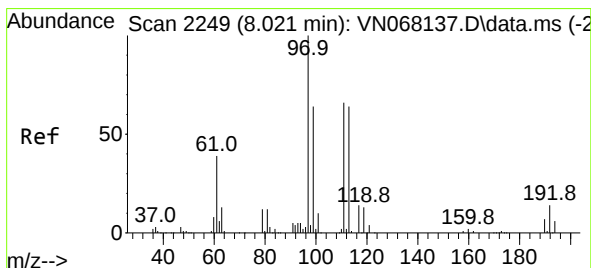
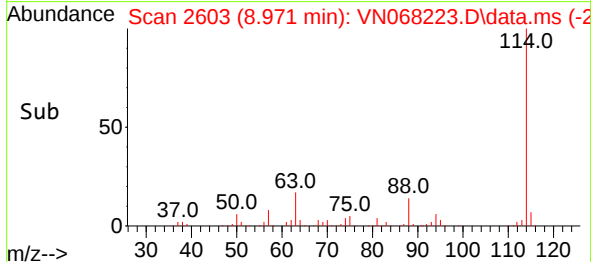
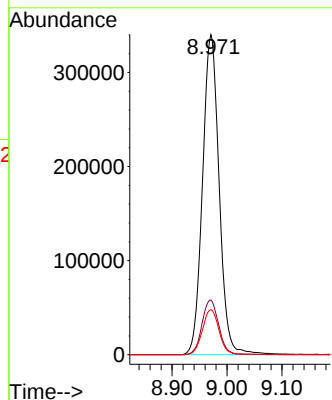
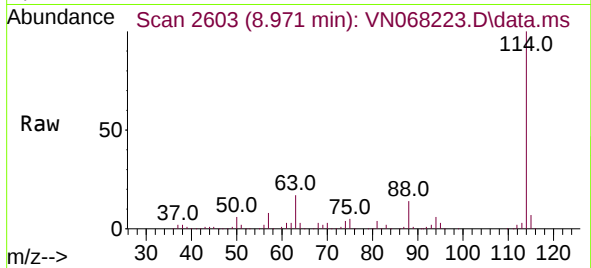




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

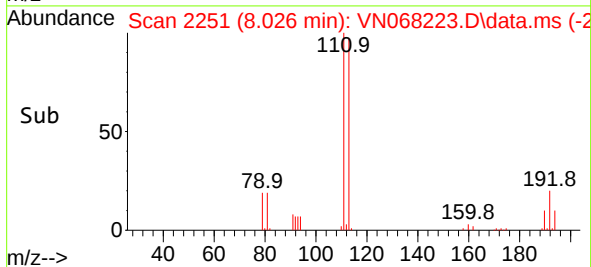
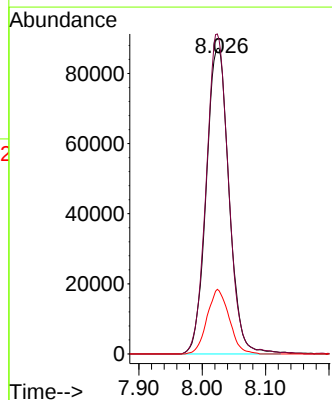
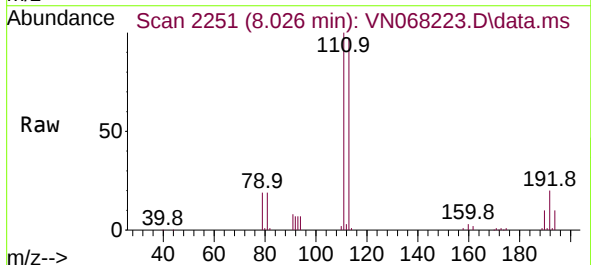
Instrument :
MSVOA_N
ClientSampled :

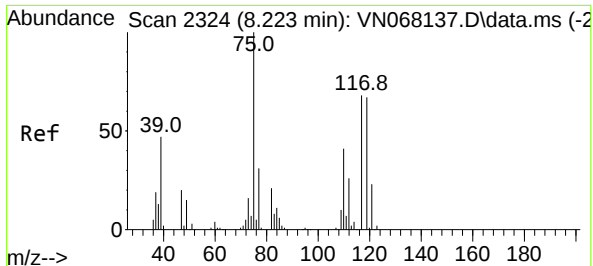
Tgt Ion:114 Resp: 714916
Ion Ratio Lower Upper
114 100
63 17.1 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.568 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion:113 Resp: 217996
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.8
192 20.5 13.4 20.0#





#36

1,1-Dichloropropene

Concen: 4.778 ug/l

RT: 8.085 min Scan# 2273

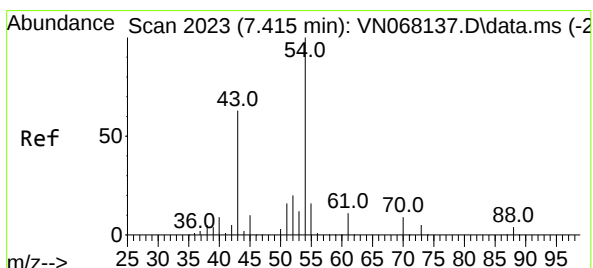
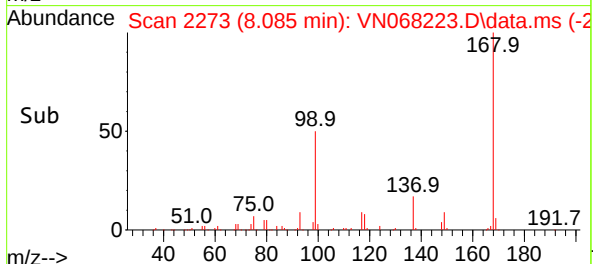
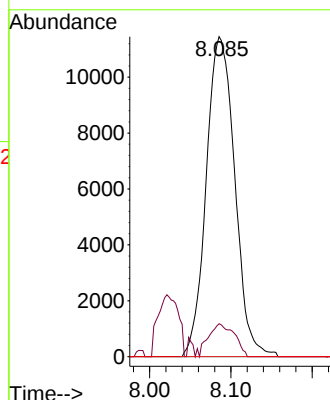
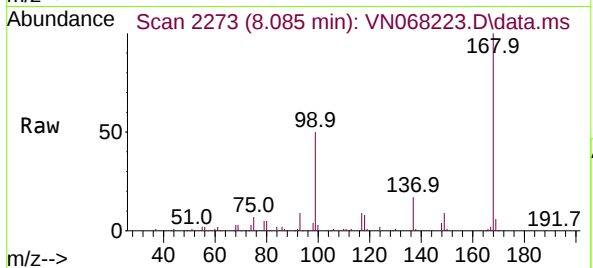
Delta R.T. -0.138 min

Lab File: VN068223.D

Acq: 19 Aug 2021 17:53

Tgt Ion:	75	Resp:	27926
Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampled :



#37

Ethyl Acetate

Concen: 1.118 ug/l

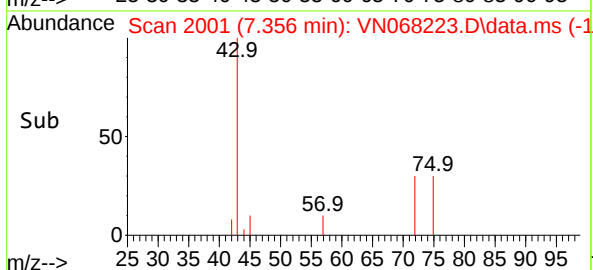
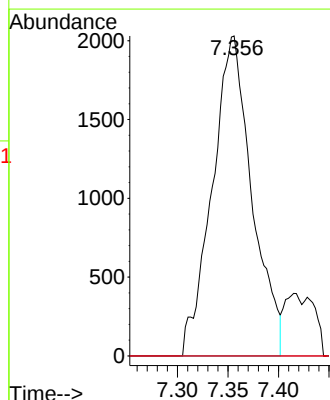
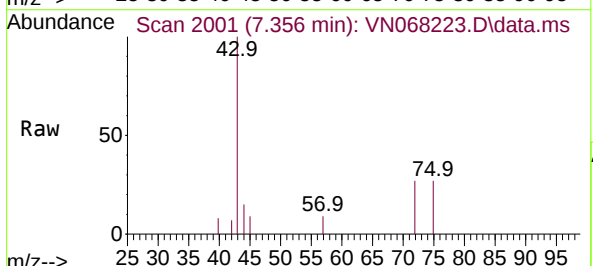
RT: 7.356 min Scan# 2001

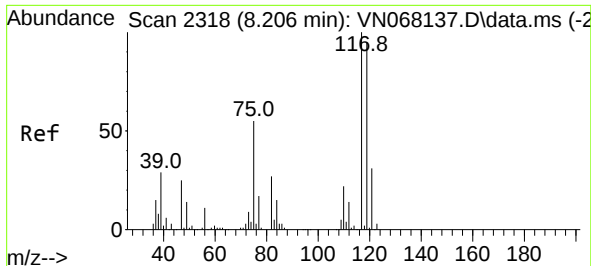
Delta R.T. -0.059 min

Lab File: VN068223.D

Acq: 19 Aug 2021 17:53

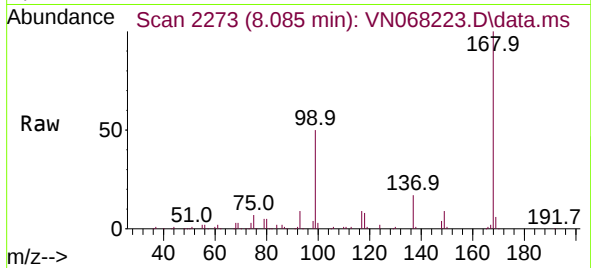
Tgt Ion:	43	Resp:	5568
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



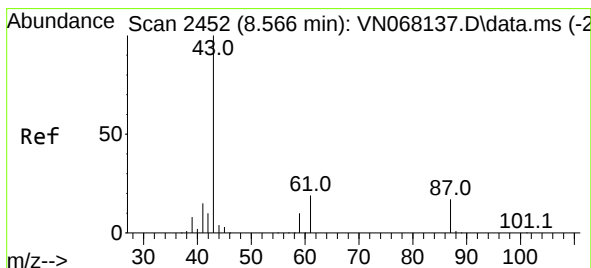
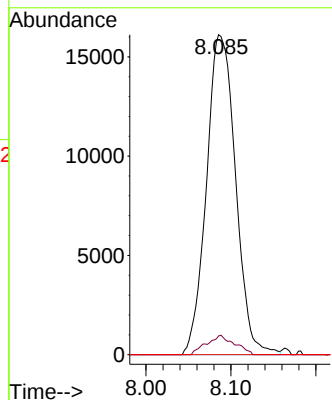
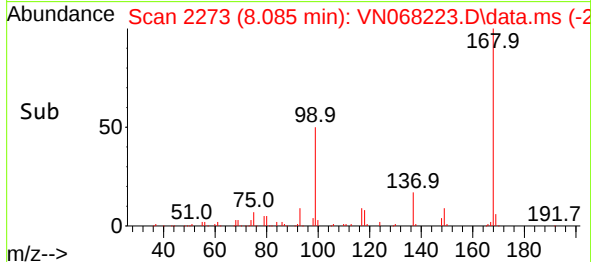


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

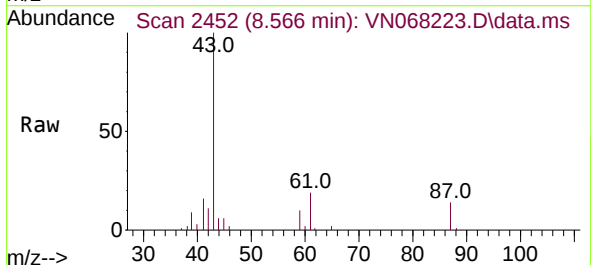
Instrument :
MSVOA_N
ClientSampled :



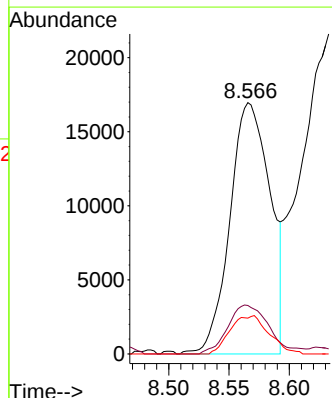
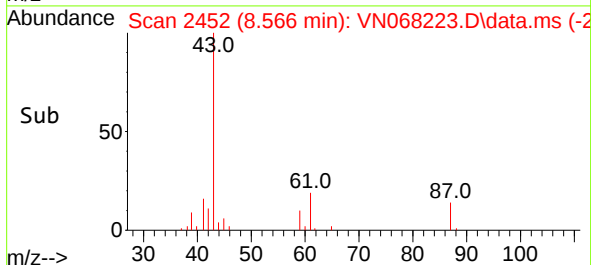
Tgt Ion:117 Resp: 38354
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

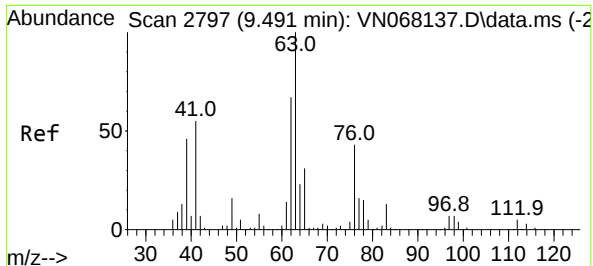


#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53



Tgt Ion: 43 Resp: 39402
Ion Ratio Lower Upper
43 100
61 20.2 19.0 28.4
87 14.7 9.5 14.3#

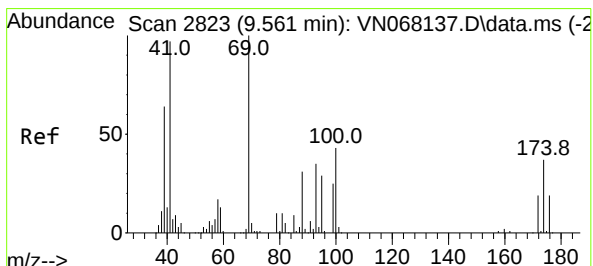
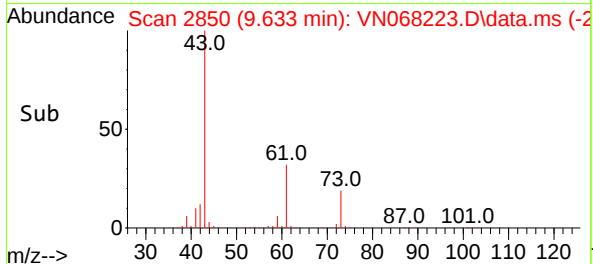
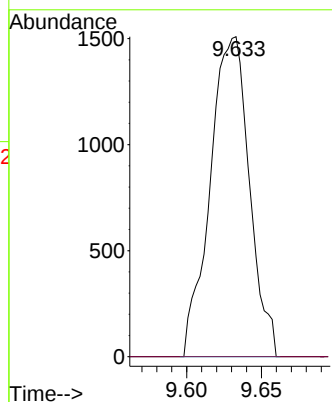
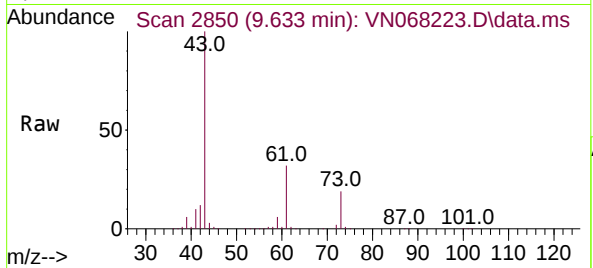




#45
1,2-Dichloropropane
Concen: 0.659 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.142 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

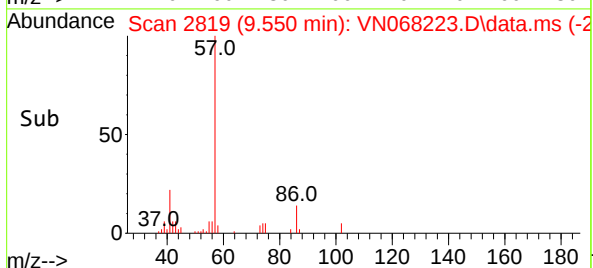
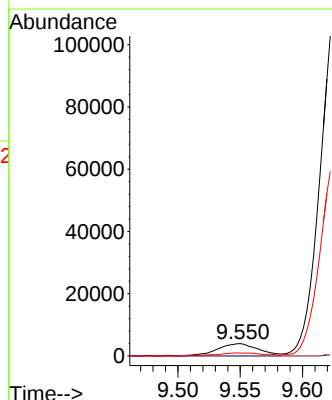
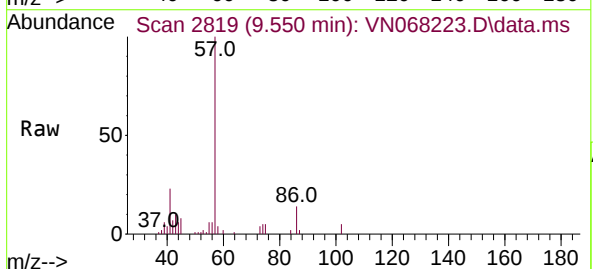
Instrument :
MSVOA_N
ClientSampled :

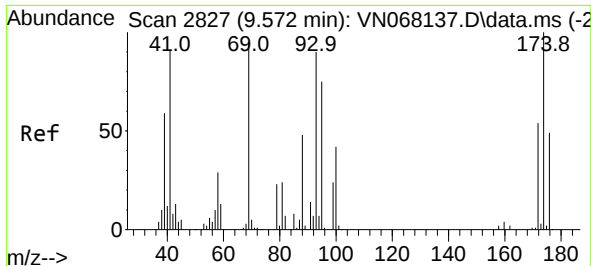
Tgt Ion: 63 Resp: 2764
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.732 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 41 Resp: 9079
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: 2.739 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.053 min

Lab File: VN068223.D

Acq: 19 Aug 2021 17:53

Instrument :

MSVOA_N

ClientSampled :

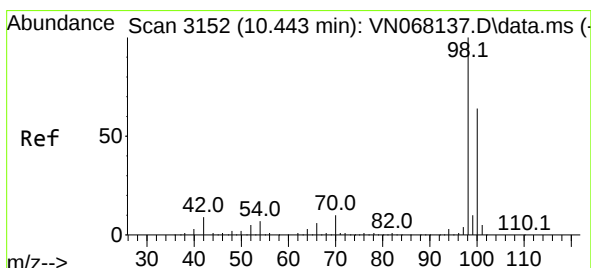
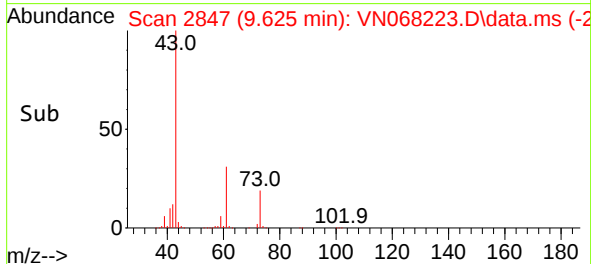
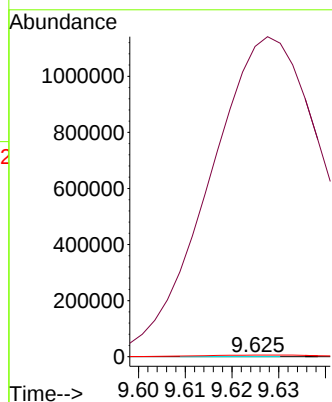
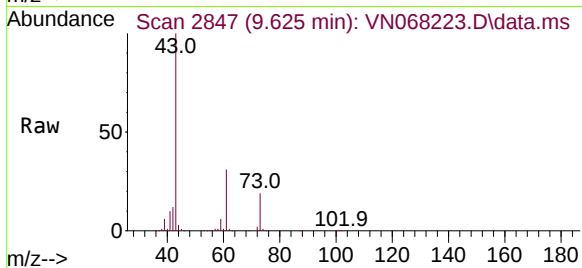
Tgt Ion: 88 Resp: 220

Ion Ratio Lower Upper

88 100

43 969912.7 28.8 43.2#

58 5317.7 60.4 90.6#



#50

Toluene-d8

Concen: 51.701 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068223.D

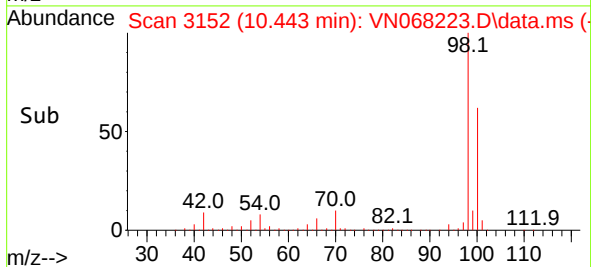
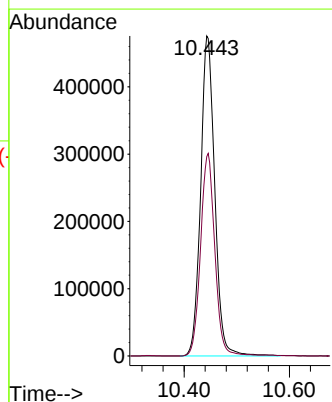
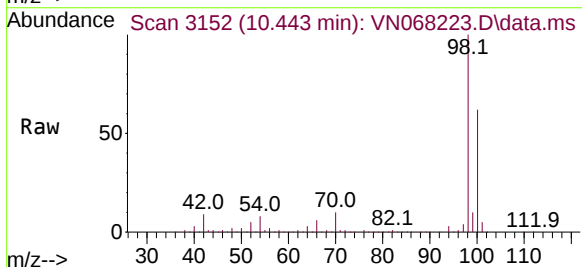
Acq: 19 Aug 2021 17:53

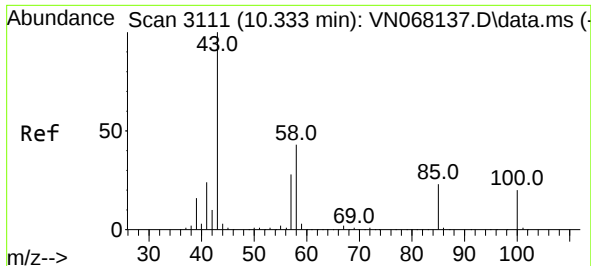
Tgt Ion: 98 Resp: 884212

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5

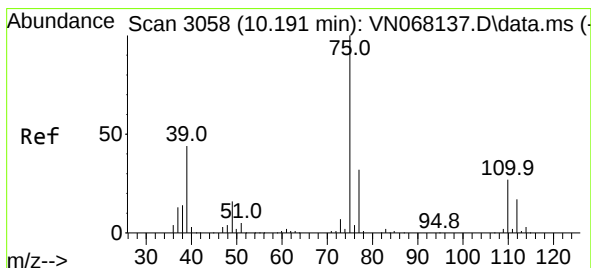
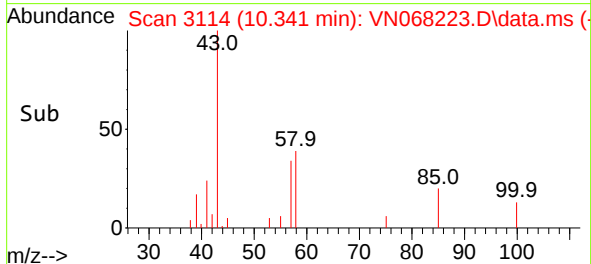
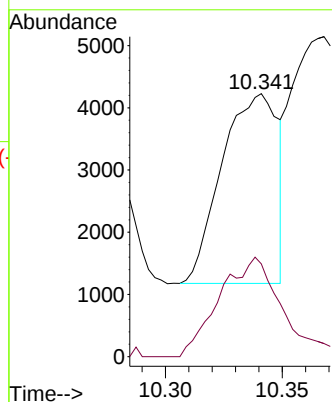
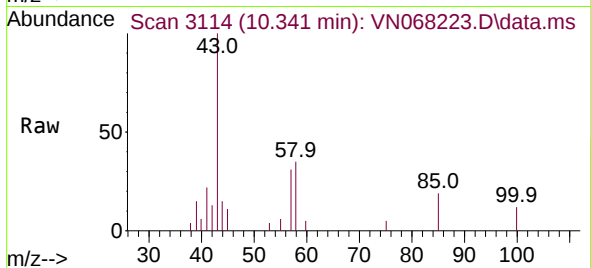




#51
4-Methyl-2-Pentanone
Concen: 1.034 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

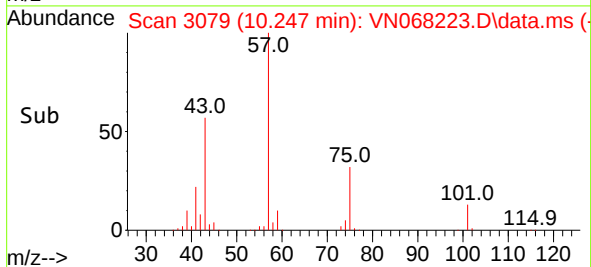
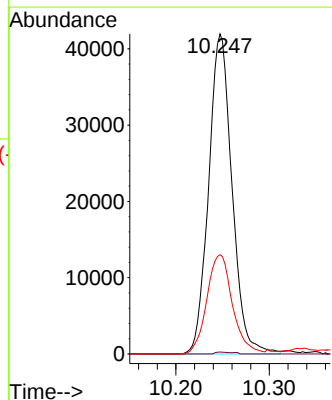
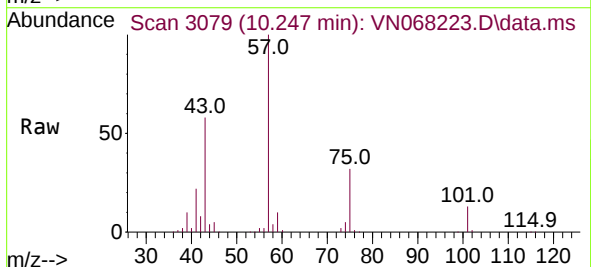
Instrument :
MSVOA_N
ClientSampled :

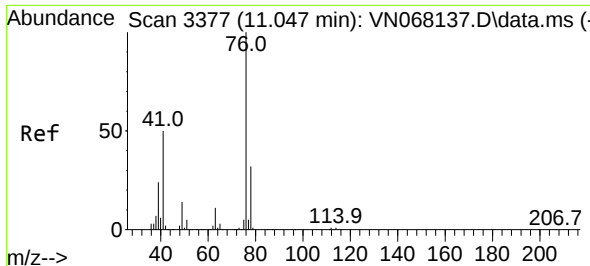
Tgt Ion: 43 Resp: 5064
Ion Ratio Lower Upper
43 100
58 58.1 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.786 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 75 Resp: 73001
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 31.0 50.7 76.1#

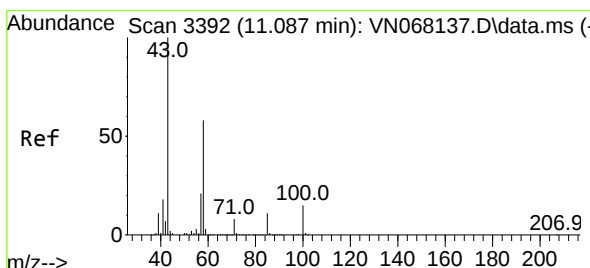
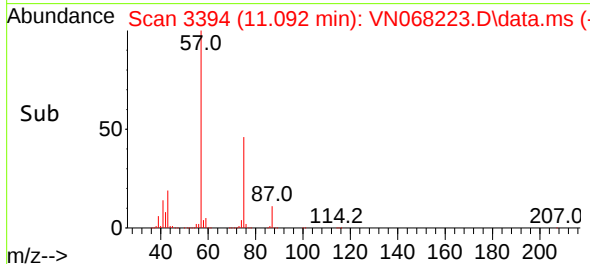
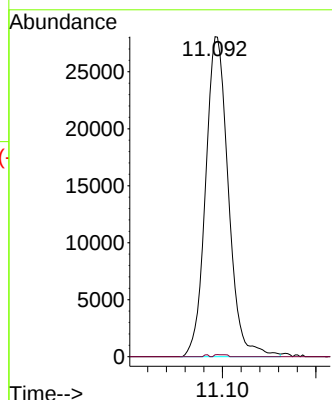
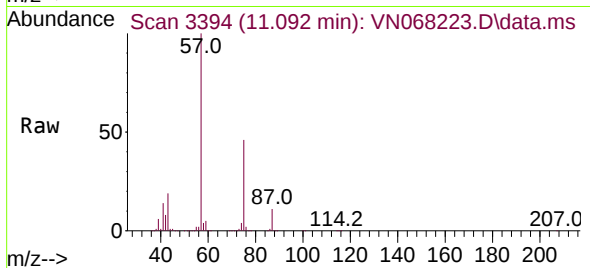




#57
1,3-Dichloropropane
Concen: 6.353 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

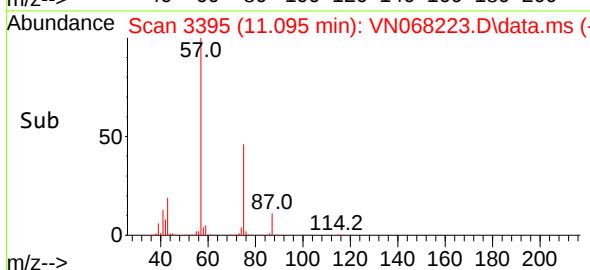
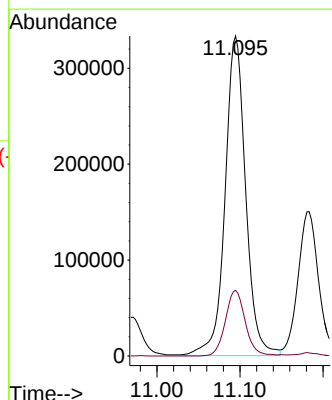
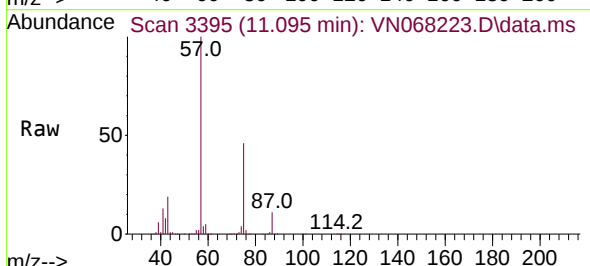
Instrument :
MSVOA_N
ClientSampled :

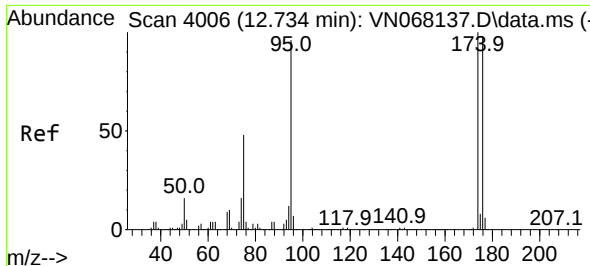
Tgt Ion: 76 Resp: 47549
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 169.101 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 43 Resp: 575226
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#

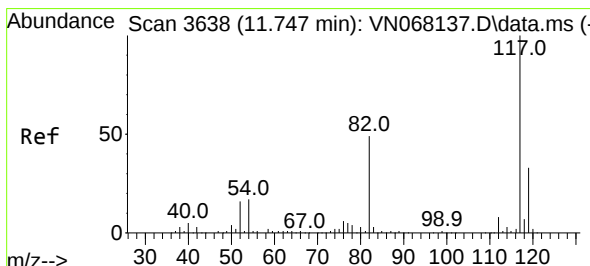
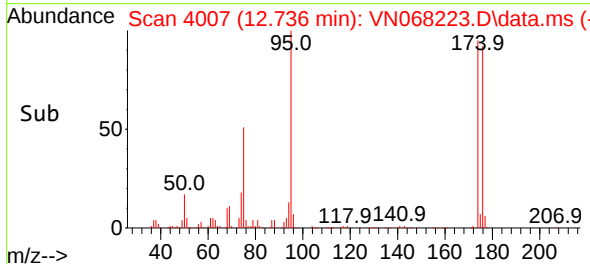
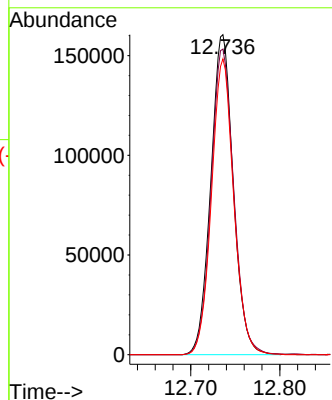
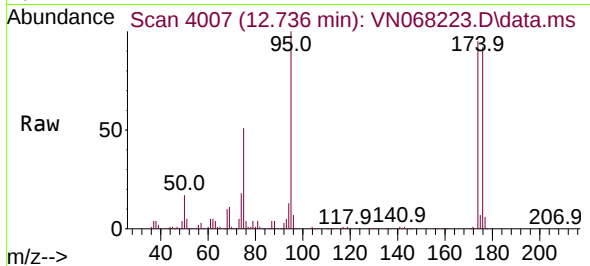




#62
4-Bromofluorobenzene
Concen: 49.532 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

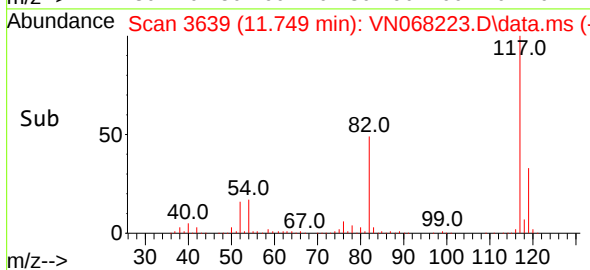
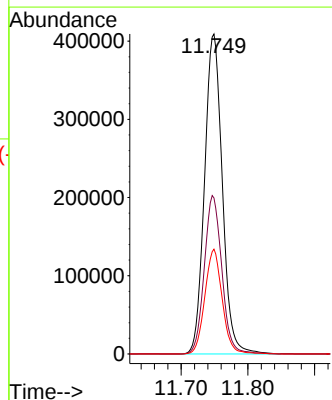
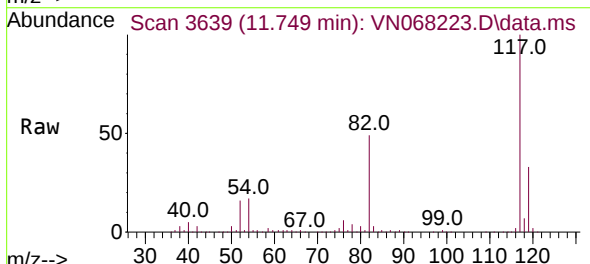
Instrument :
MSVOA_N
ClientSampleId :

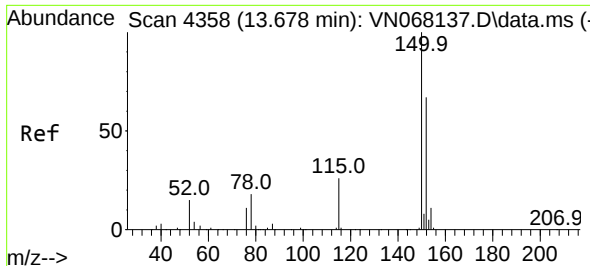
Tgt Ion: 95 Resp: 282003
Ion Ratio Lower Upper
95 100
174 96.3 0.0 122.0
176 91.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 117 Resp: 757254
Ion Ratio Lower Upper
117 100
82 48.7 53.1 79.7#
119 32.7 25.5 38.3

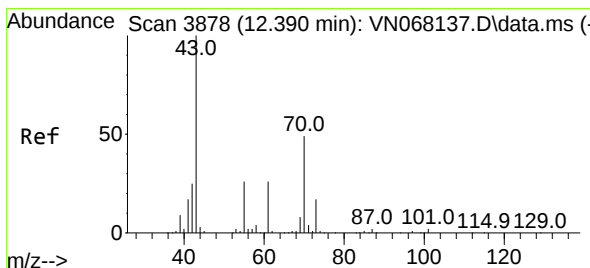
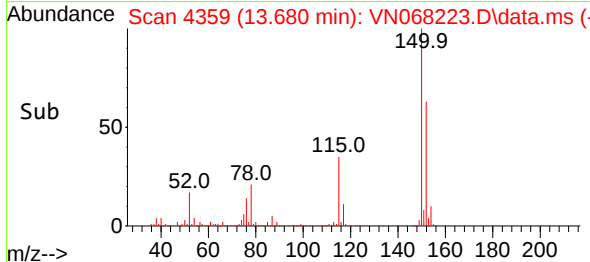
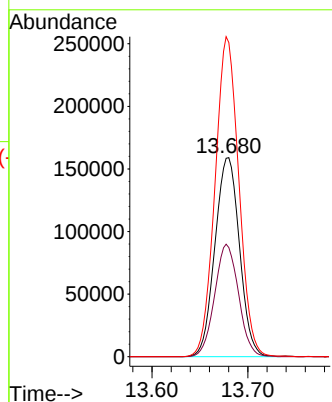
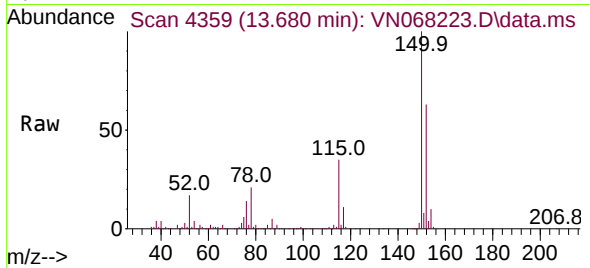




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

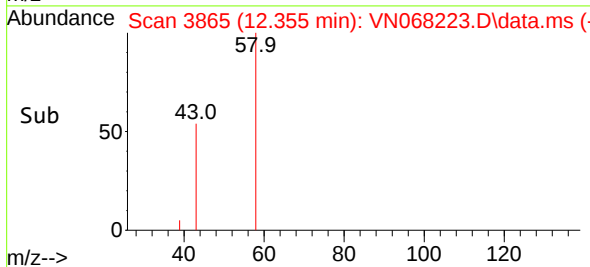
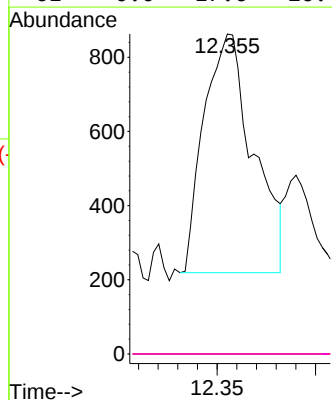
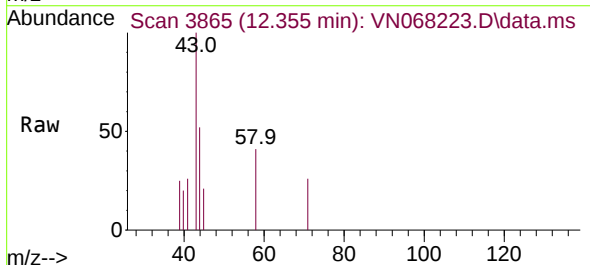
Instrument :
MSVOA_N
ClientSampleId :

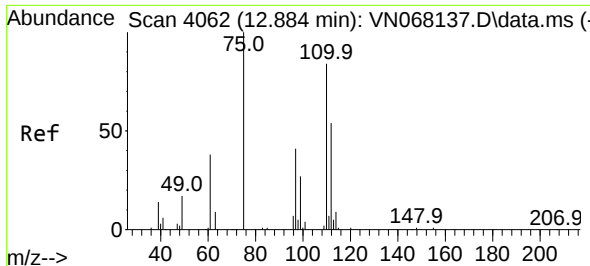
Tgt Ion:152 Resp: 282556
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 155.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.214 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 0.0 17.0 25.4#
61 0.0 17.6 26.4#

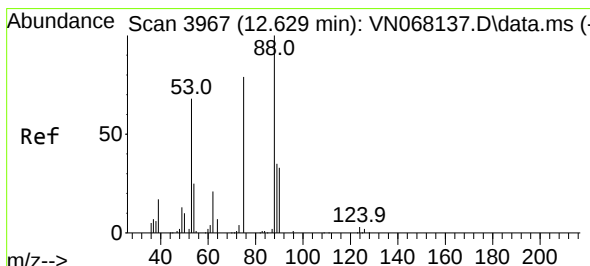
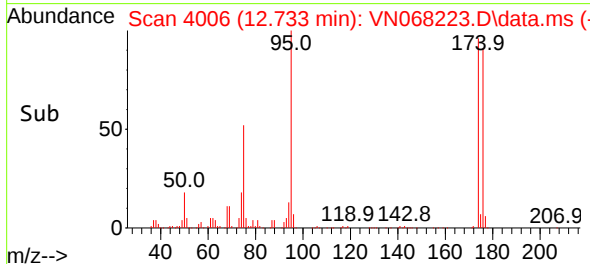
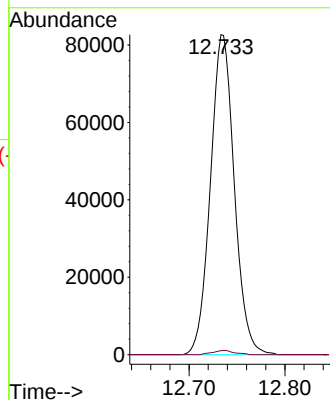
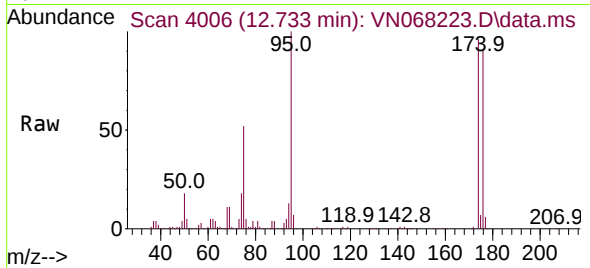




#76
1,2,3-Trichloropropane
Concen: 30.428 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

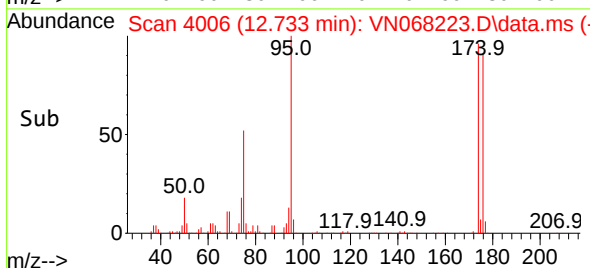
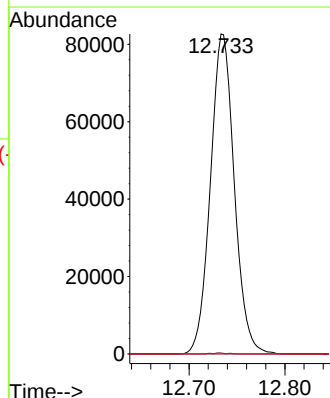
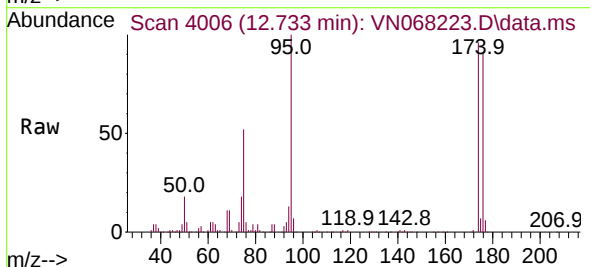
Instrument :
MSVOA_N
ClientSampled :

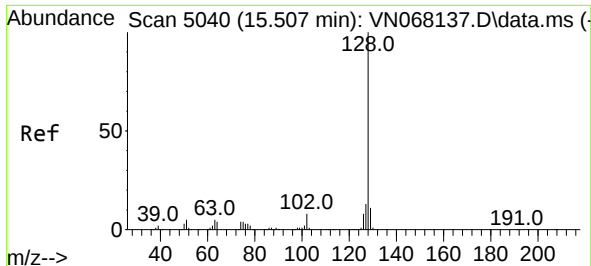
Tgt Ion: 75 Resp: 142903
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.688 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion: 75 Resp: 142903
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

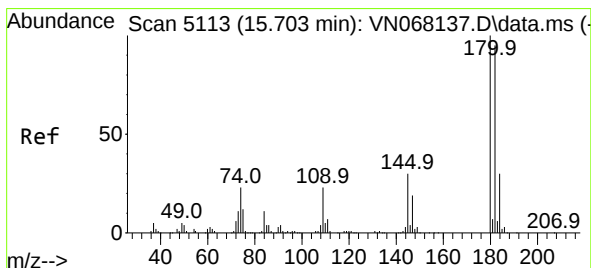
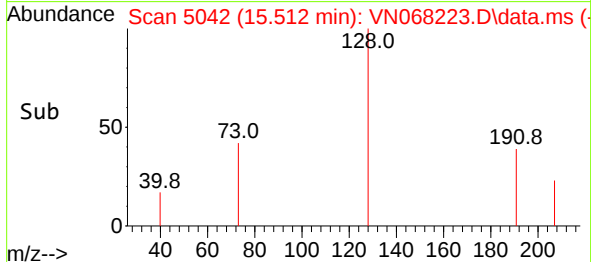
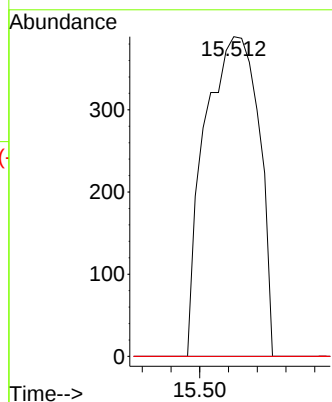
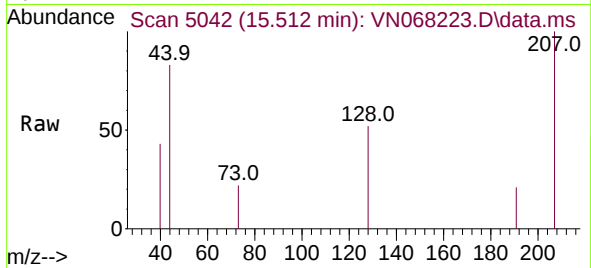




#95
Naphthalene
Concen: 3.387 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	506
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: 2.842 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.007 min
Lab File: VN068223.D
Acq: 19 Aug 2021 17:53

Tgt Ion:180	Resp:	50
Ion Ratio	Lower	Upper
180	100	
182	102.0	47.8 143.3
145	0.0	18.2 54.6#

