

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068204.D
 Acq On : 18 Aug 2021 19:43
 Operator : JC/MD
 Sample : M3451-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:08:31 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

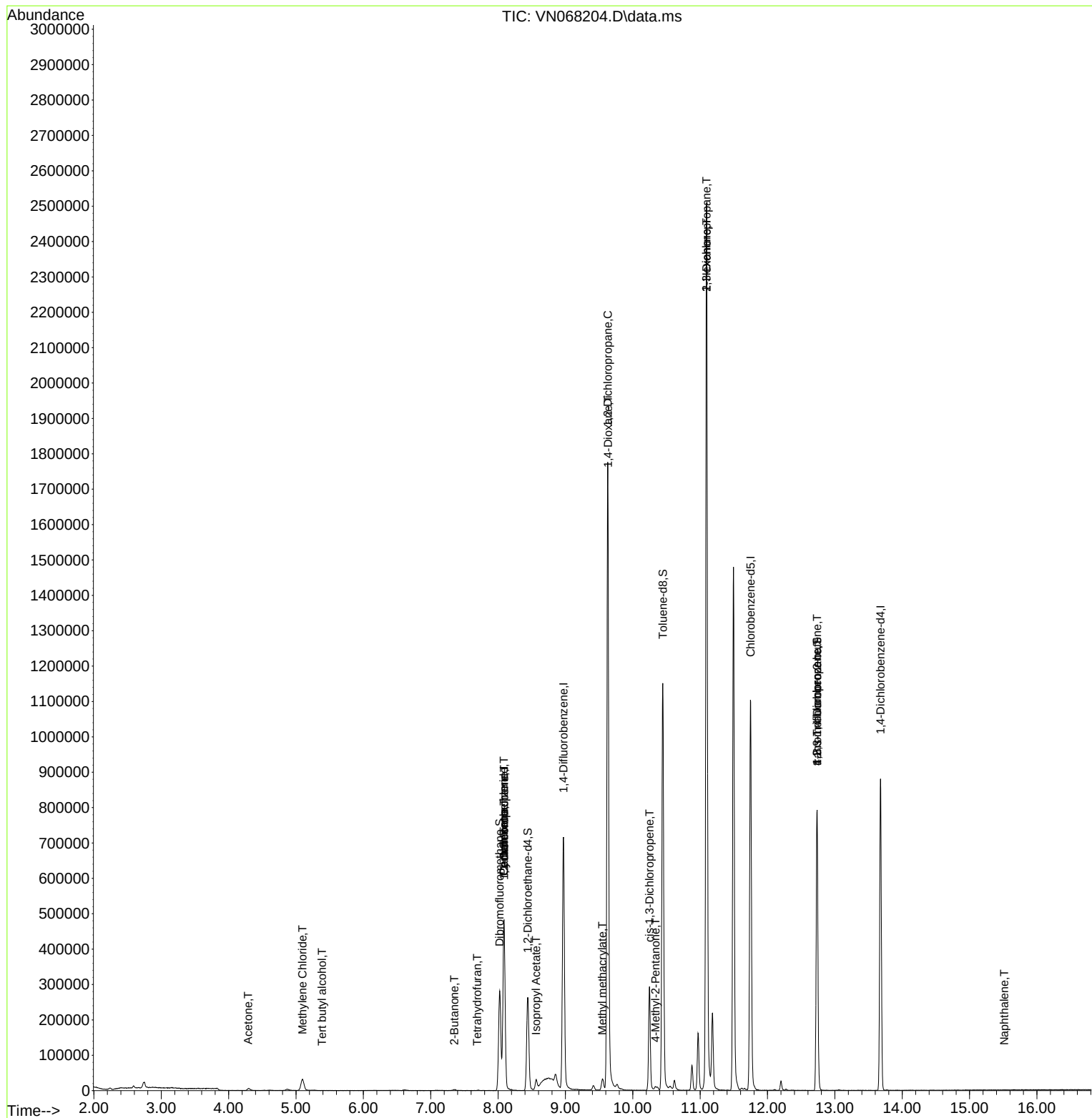
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	398607	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	685202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	725059	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	261958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227707	53.502	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.000%		
35) Dibromofluoromethane	8.024	113	207271	48.181	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 96.360%		
50) Toluene-d8	10.446	98	854467	52.128	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.260%		
62) 4-Bromofluorobenzene	12.736	95	269771	49.438	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 98.880%		
Target Compounds						Qvalue
5) Bromomethane	2.834	94	86	Below Cal	#	4
6) Chloroethane	3.065	64	86	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	162	0.305	ug/l #	71
13) Acrolein	4.036	56	51	Below Cal	#	14
16) Acetone	4.291	43	11353	9.136	ug/l #	88
18) Methyl Acetate	4.865	43	3477	Below Cal	#	82
20) Methylene Chloride	5.095	84	27358	6.090	ug/l #	82
25) 2-Butanone	7.351	43	4299	2.220	ug/l	97
29) Tetrahydrofuran	7.692	42	348	0.281	ug/l #	35
31) Cyclohexane	8.086	56	7185	1.282	ug/l #	8
36) 1,1-Dichloropropene	8.091	75	27309	4.875	ug/l #	46
38) Carbon Tetrachloride	8.088	117	36805	5.697	ug/l #	16
43) Isopropyl Acetate	8.566	43	34631	4.531	ug/l #	92
45) 1,2-Dichloropropane	9.631	63	2208	0.549	ug/l #	44
48) Methyl methacrylate	9.547	41	7863	2.469	ug/l #	12
49) 1,4-Dioxane	9.633	88	409	5.312	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	3523	0.750	ug/l #	45
54) cis-1,3-Dichloropropene	10.247	75	57212	8.820	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	28479	3.970	ug/l #	43
59) 2-Hexanone	11.095	43	361825	110.980	ug/l #	57
76) 1,2,3-Trichloropropane	12.736	75	138985	31.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	138985	104.579	ug/l #	6
95) Naphthalene	15.515	128	388	3.380	ug/l #	69

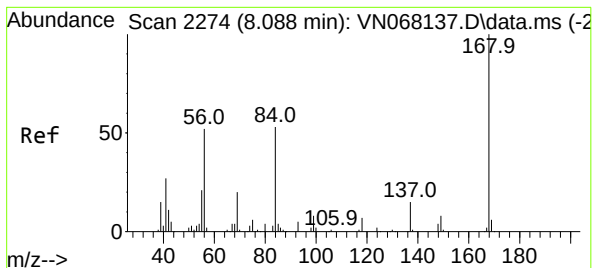
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068204.D

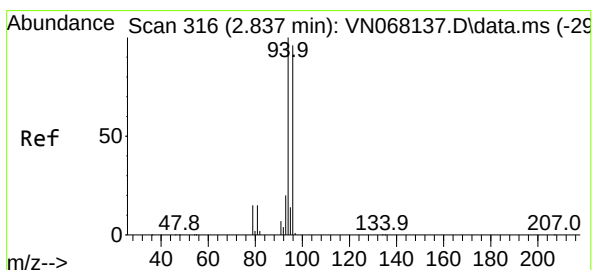
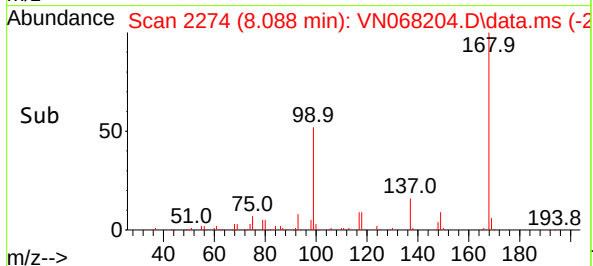
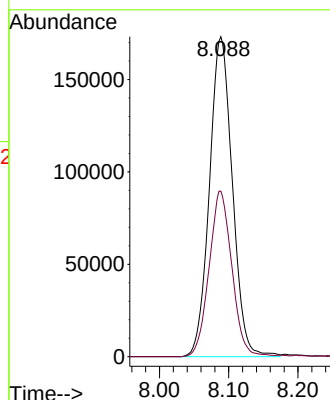
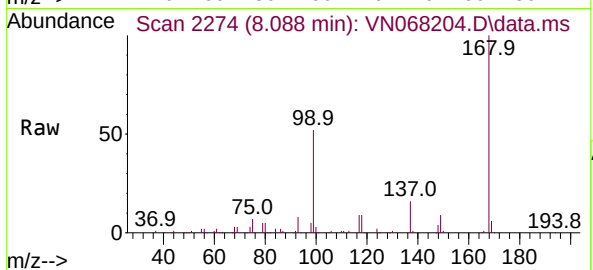
Acq: 18 Aug 2021 19:43

Tgt Ion:168 Resp: 398607

Ion Ratio Lower Upper

168 100

99 51.8 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.834 min Scan# 315

Delta R.T. -0.003 min

Lab File: VN068204.D

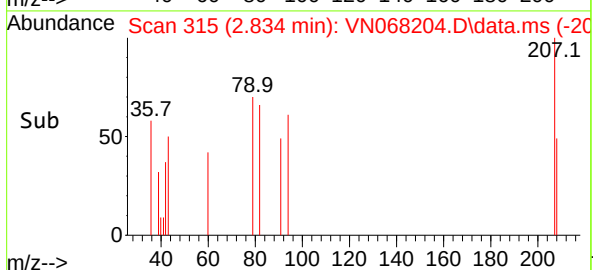
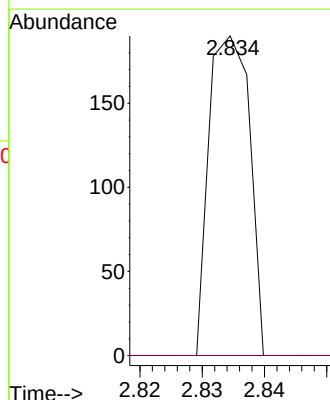
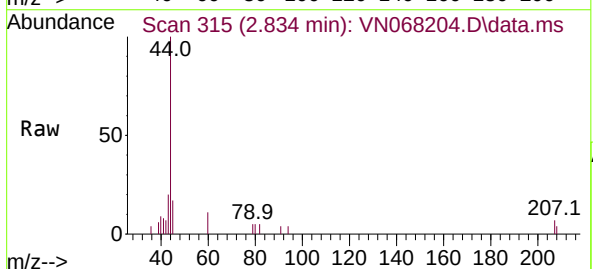
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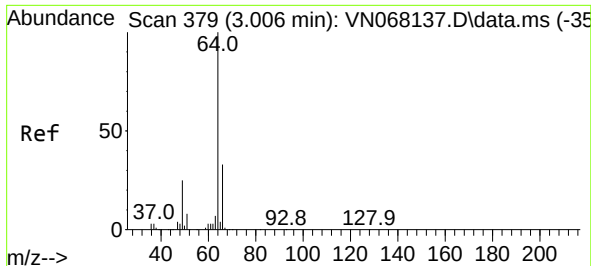
Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

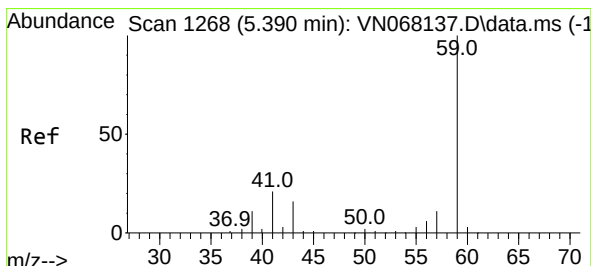
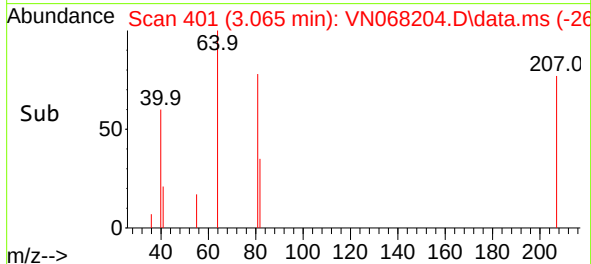
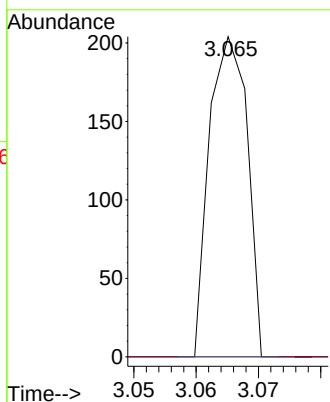
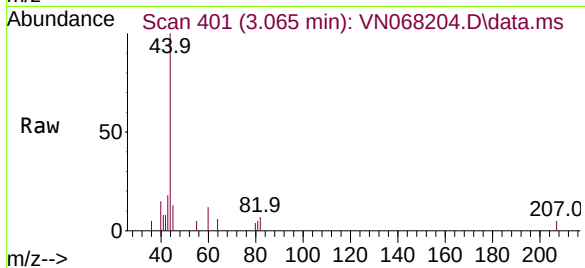




#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 401
Delta R.T. 0.059 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

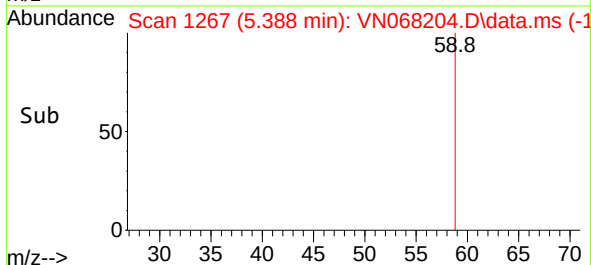
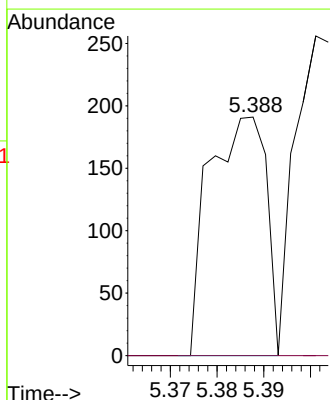
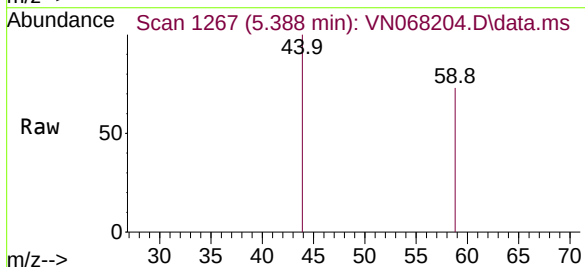
Instrument :
MSVOA_N
ClientSampled :

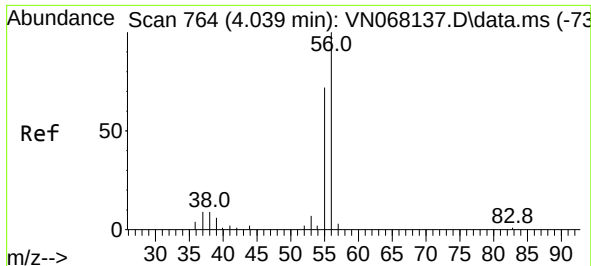
Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

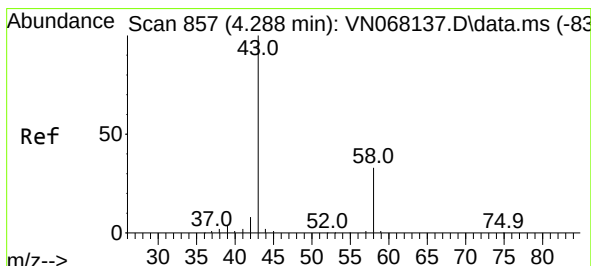
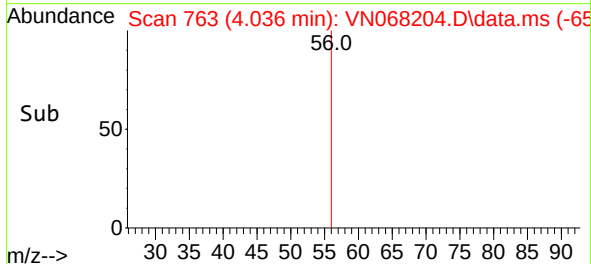
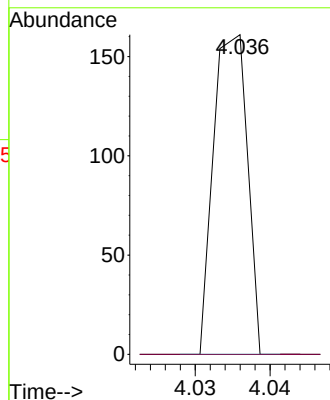
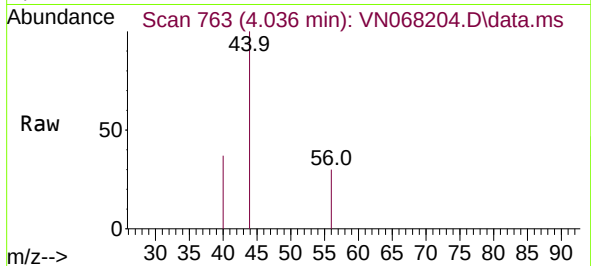




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

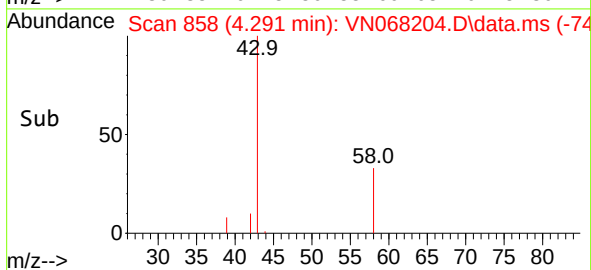
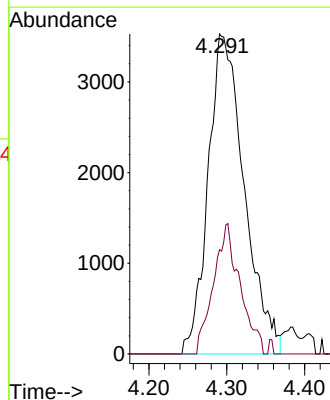
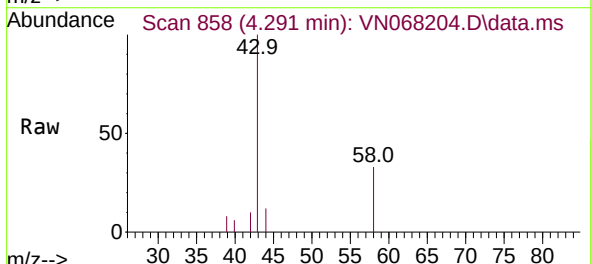
Instrument :
MSVOA_N
ClientSampled :

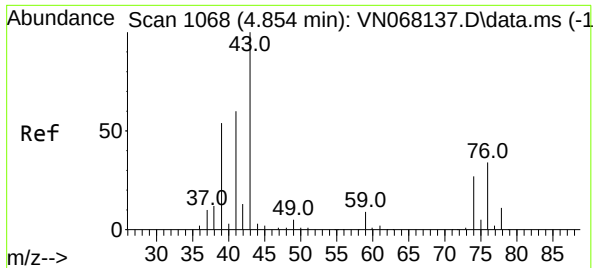
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 9.136 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 43 Resp: 11353
Ion Ratio Lower Upper
43 100
58 32.6 21.2 31.8#

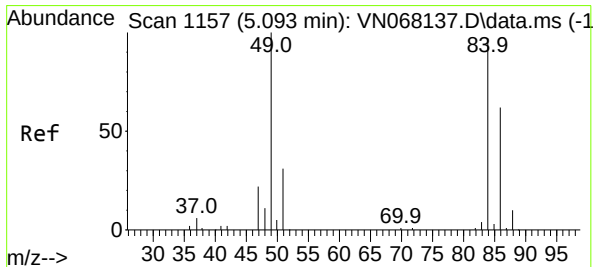
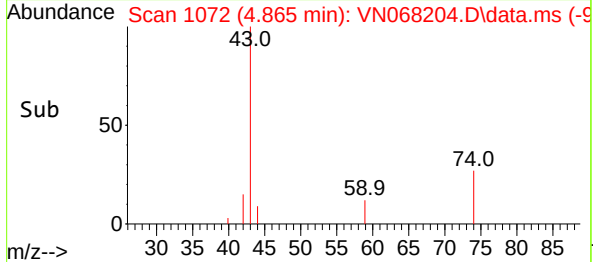
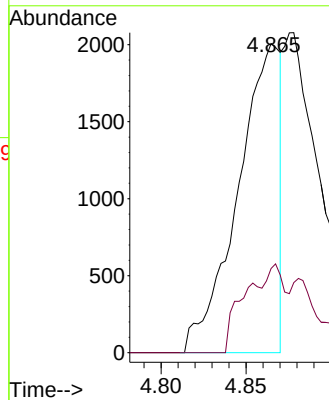
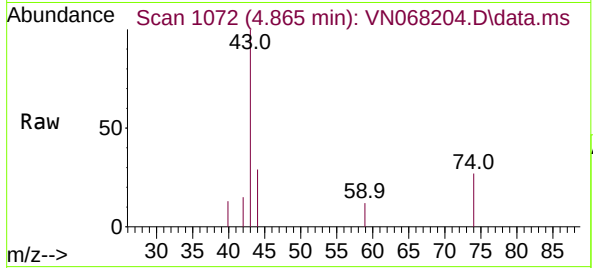




#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

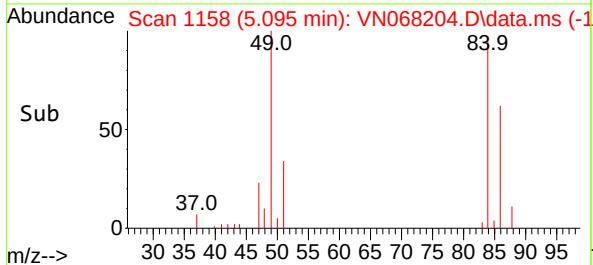
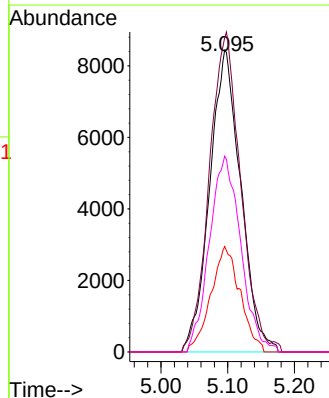
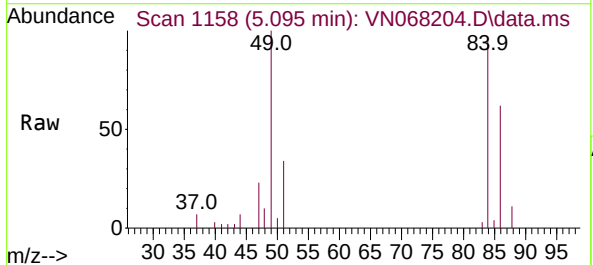
Instrument :
MSVOA_N
ClientSampled :

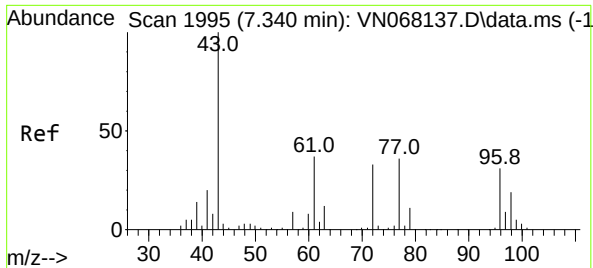
Tgt Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
74 13.3 17.4 26.0#



#20
Methylene Chloride
Concen: 6.090 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 84 Resp: 27358
Ion Ratio Lower Upper
84 100
49 104.1 110.9 166.3#
51 35.0 32.6 49.0
86 64.9 51.6 77.4

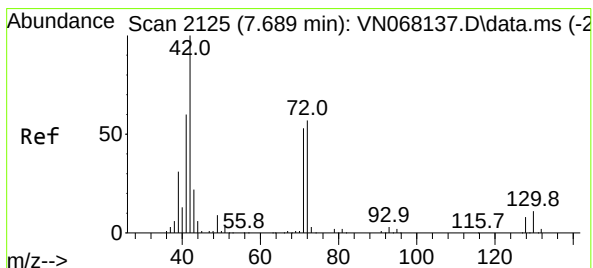
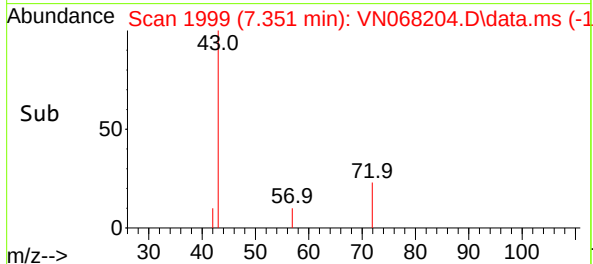
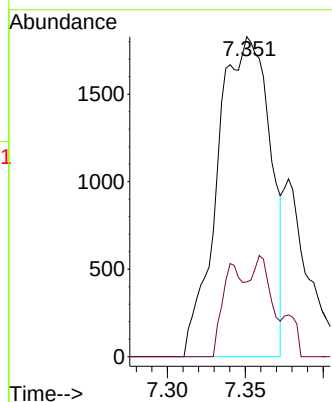
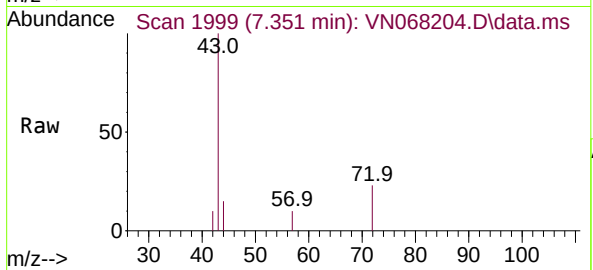




#25
2-Butanone
Concen: 2.220 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

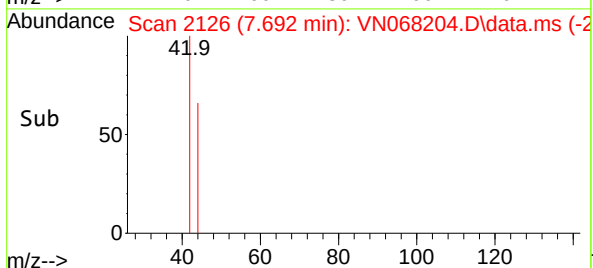
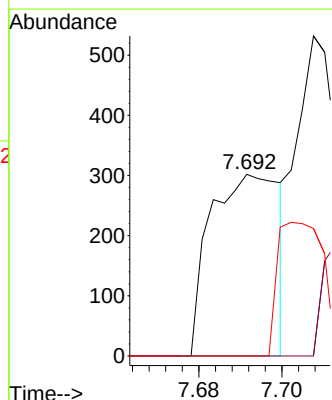
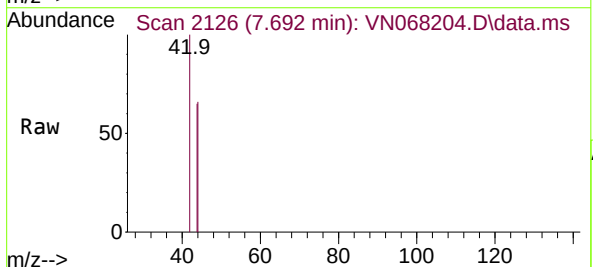
Instrument :
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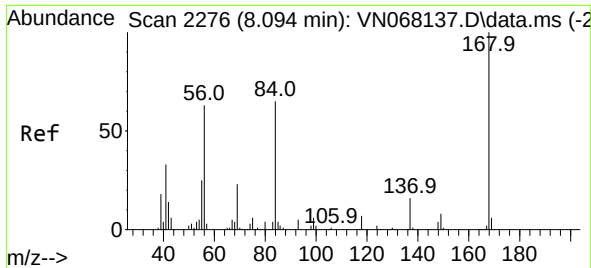
Tgt Ion: 43 Resp: 4299
Ion Ratio Lower Upper
43 100
72 23.3 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 7.692 min Scan# 2126
Delta R.T. 0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 42 Resp: 348
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.2 46.8#

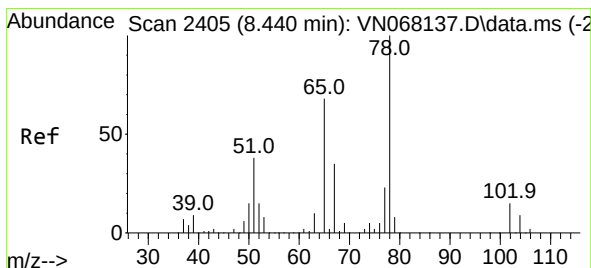
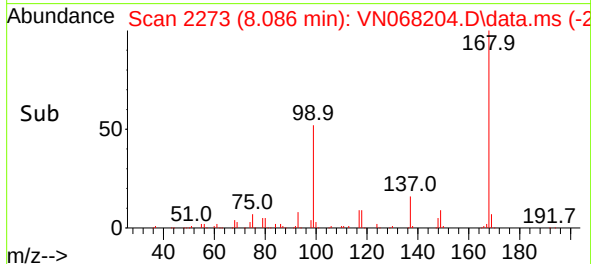
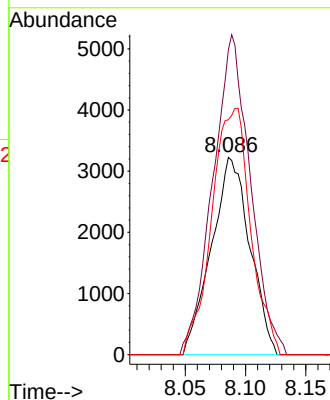
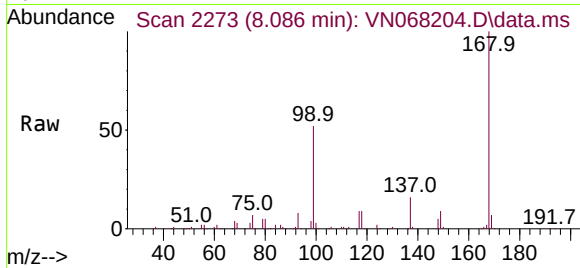




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

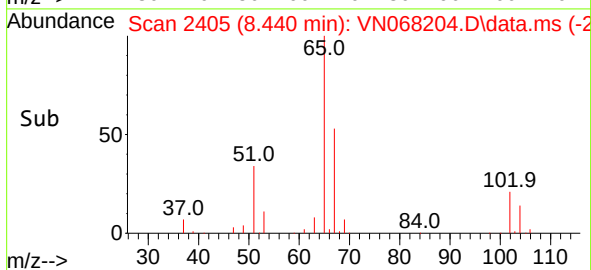
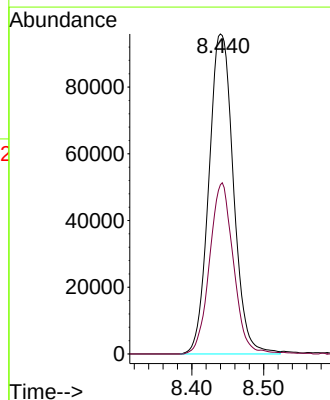
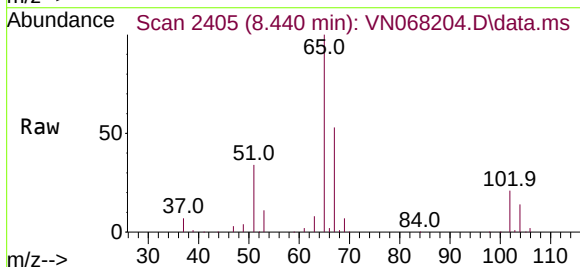
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MSVOA_N
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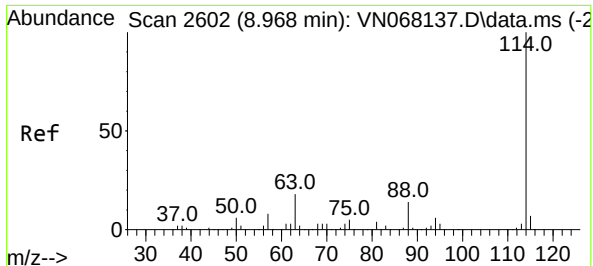
Tgt Ion: 56 Resp: 7185
Ion Ratio Lower Upper
56 100
69 154.5 27.3 40.9#
84 119.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.502 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 65 Resp: 227707
Ion Ratio Lower Upper
65 100
67 51.9 0.0 98.6

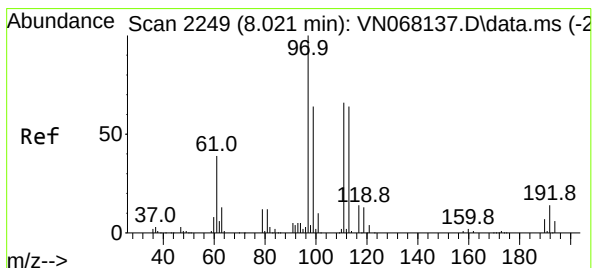
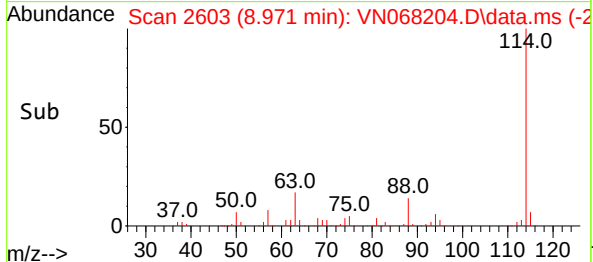
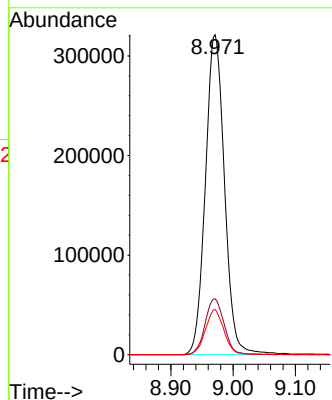
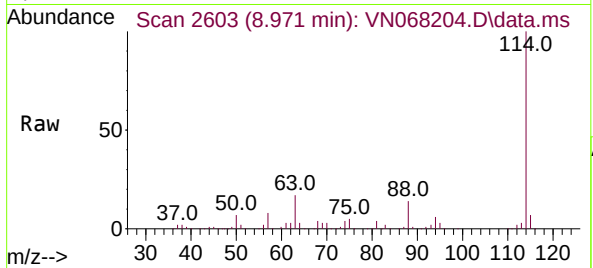




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

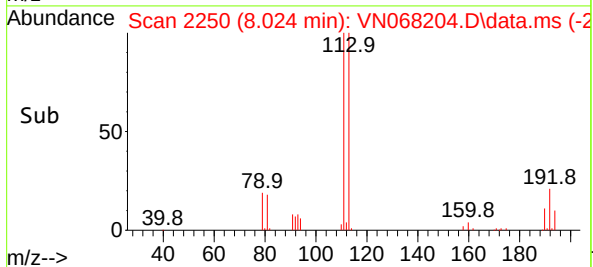
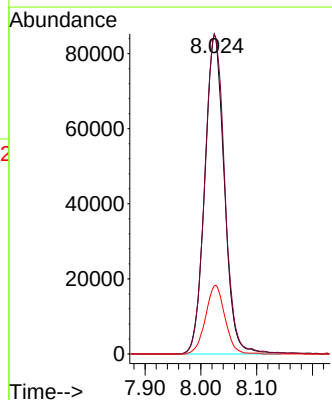
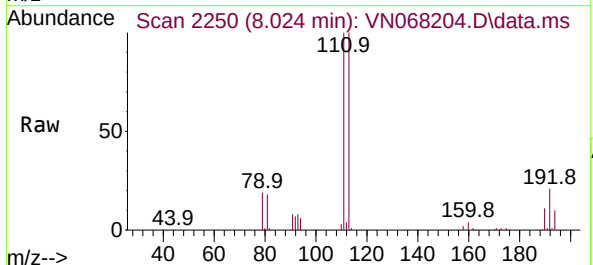
Instrument :
MSVOA_N
ClientSampled :

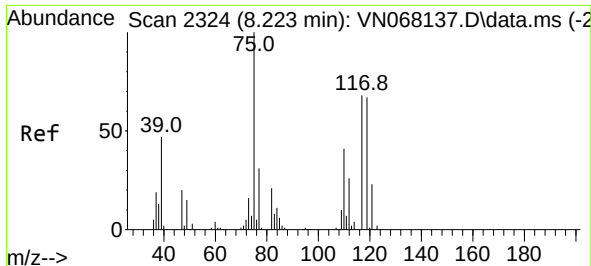
Tgt Ion:114 Resp: 685202
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.181 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion:113 Resp: 207271
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 21.3 13.4 20.0#

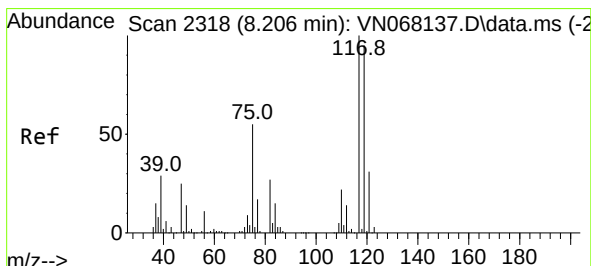
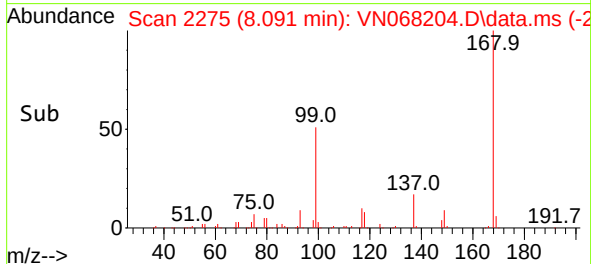
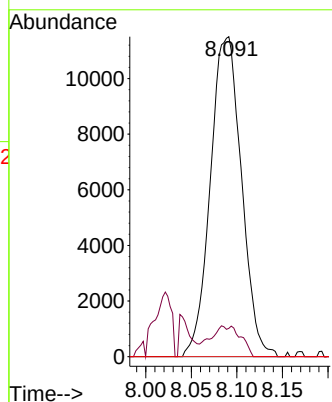
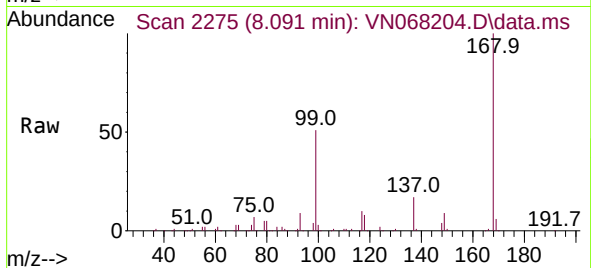




#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

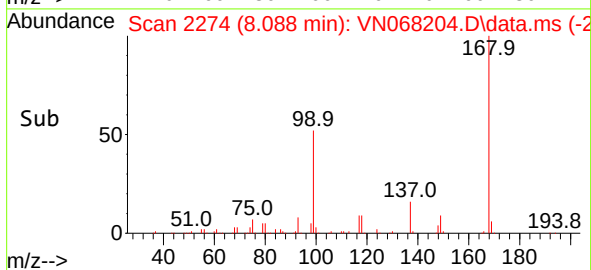
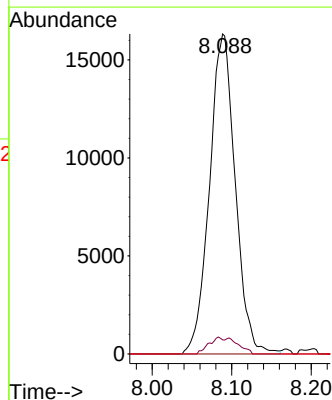
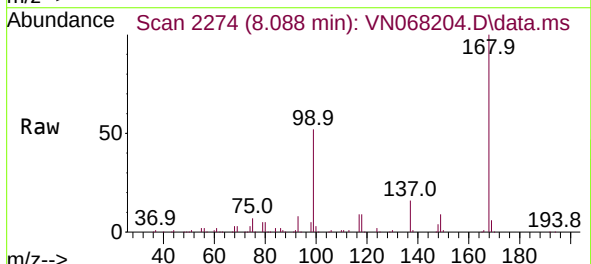
Instrument :
MSVOA_N
ClientSampled :

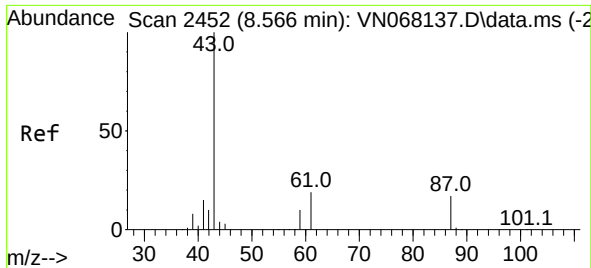
Tgt Ion: 75 Resp: 27309
Ion Ratio Lower Upper
75 100
110 2.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 117 Resp: 36805
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#

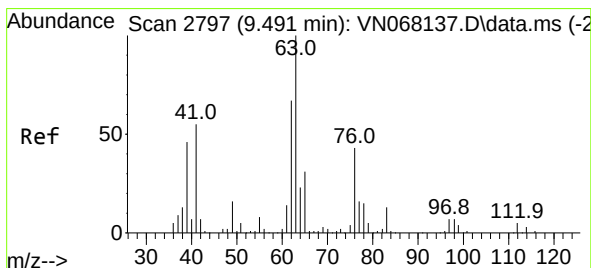
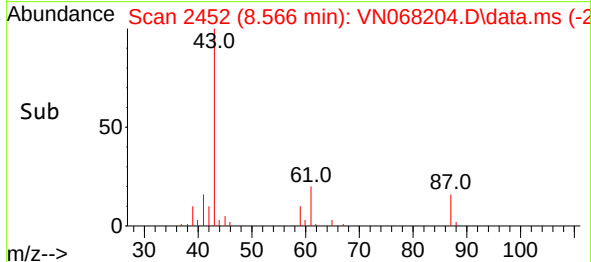
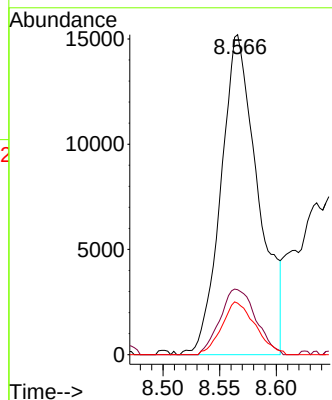
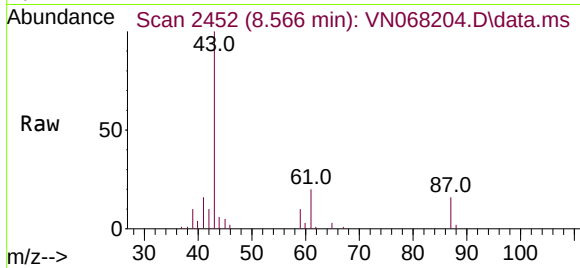




#43
Isopropyl Acetate
Concen: 4.531 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

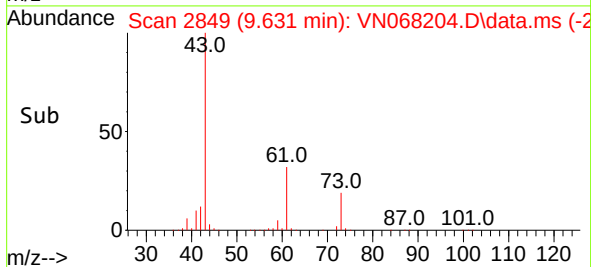
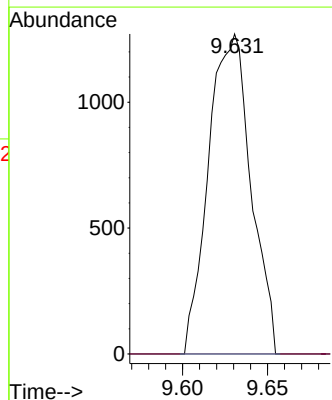
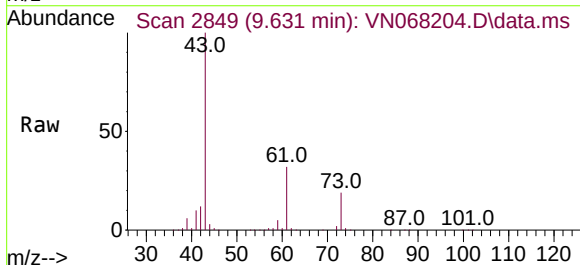
Instrument :
MSVOA_N
ClientSampled :

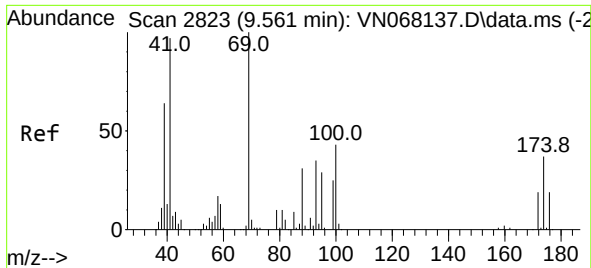
Tgt Ion: 43 Resp: 34631
Ion Ratio Lower Upper
43 100
61 19.8 19.0 28.4
87 14.9 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.549 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 63 Resp: 2208
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

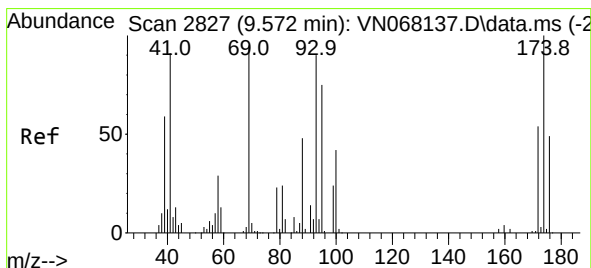
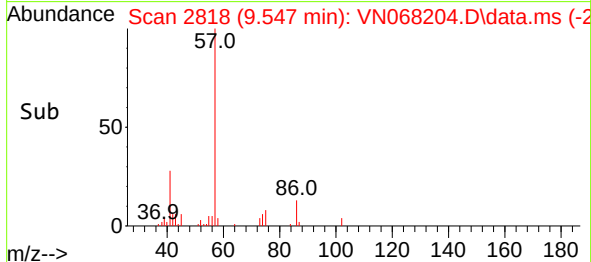
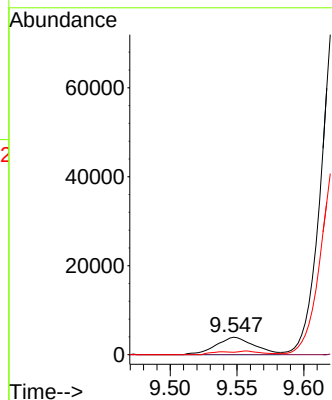
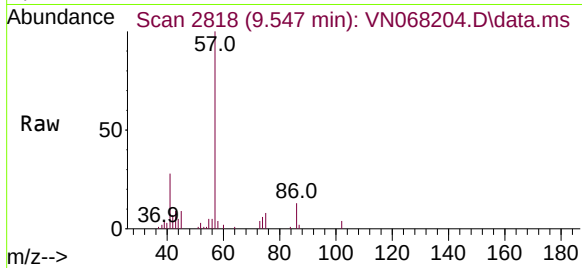




#48
Methyl methacrylate
Concen: 2.469 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

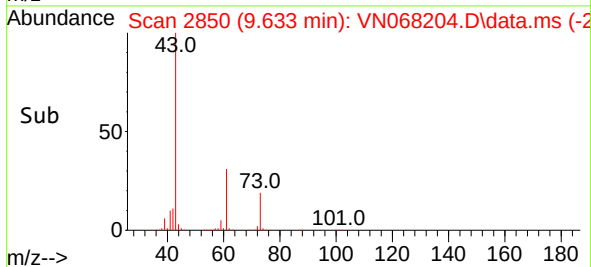
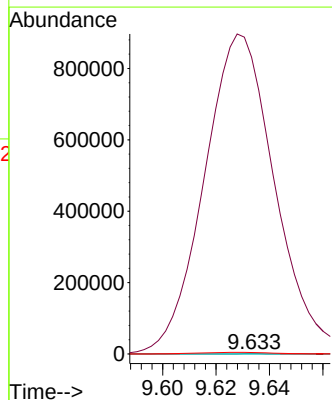
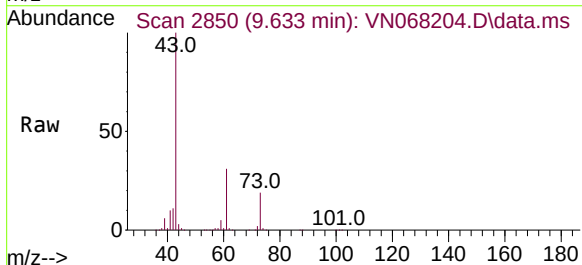
Instrument :
MSVOA_N
ClientSampled :

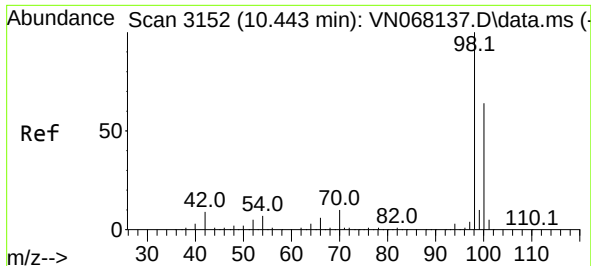
Tgt Ion: 41 Resp: 7863
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 5.312 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.061 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 88 Resp: 409
Ion Ratio Lower Upper
88 100
43 414483.9 28.8 43.2#
58 2237.2 60.4 90.6#

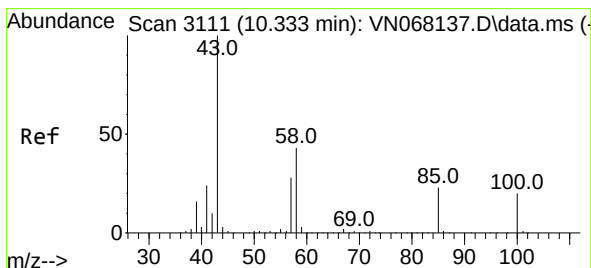
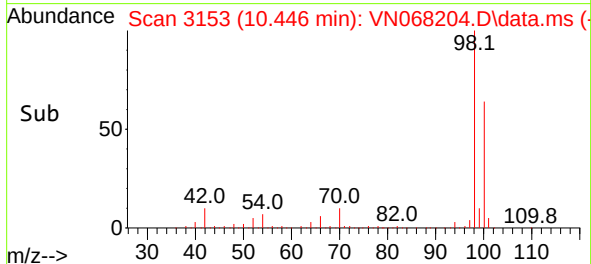
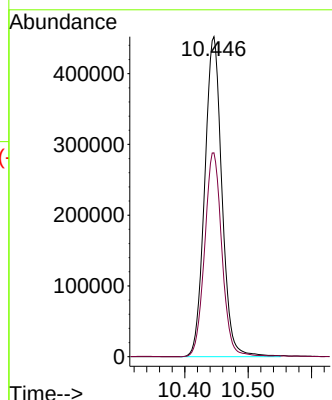
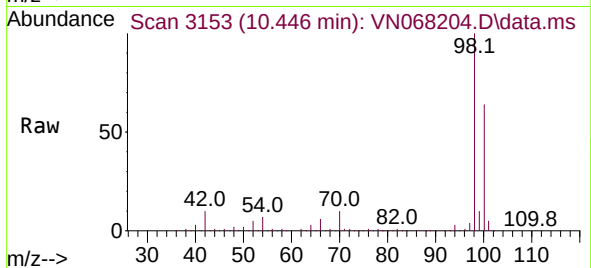




#50
Toluene-d8
Concen: 52.128 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

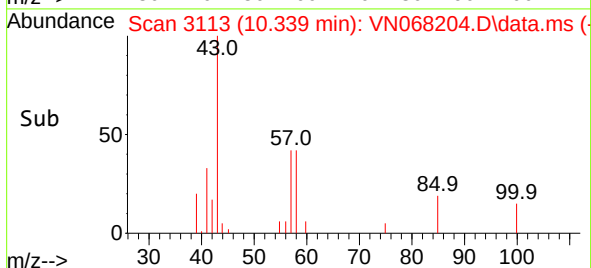
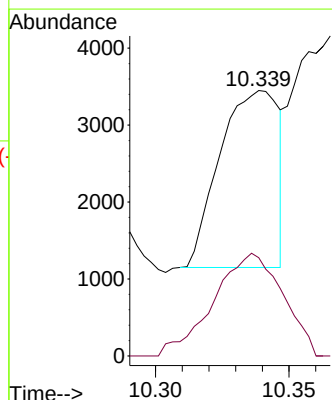
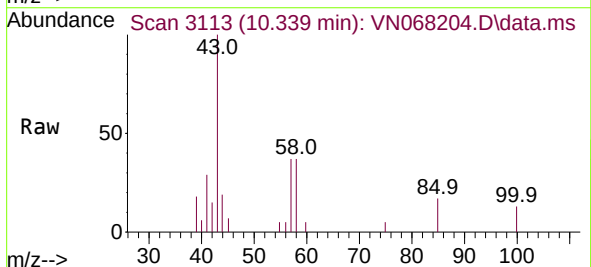
Instrument :
MSVOA_N
ClientSampled :

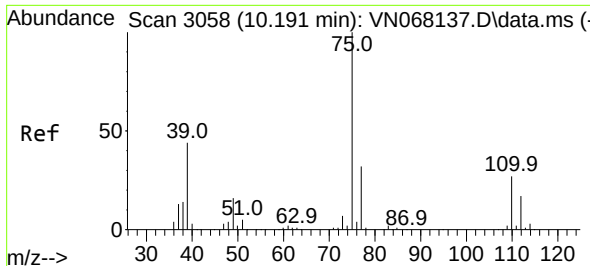
Tgt Ion: 98 Resp: 854467
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.750 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 43 Resp: 3523
Ion Ratio Lower Upper
43 100
58 68.1 28.6 43.0#

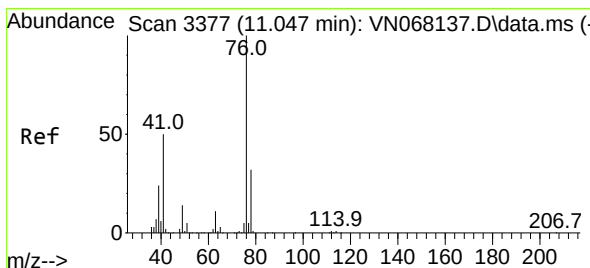
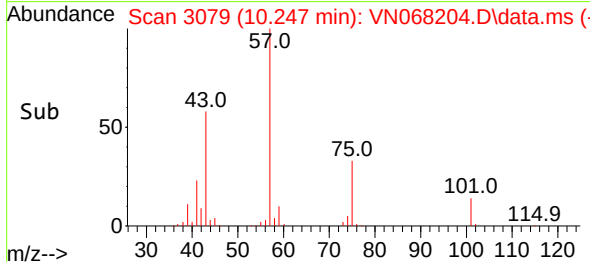
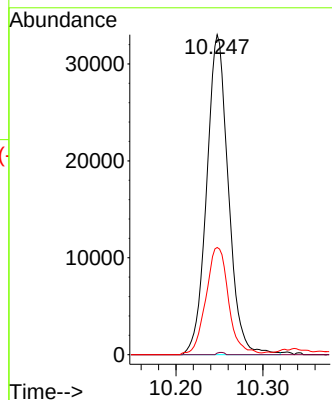
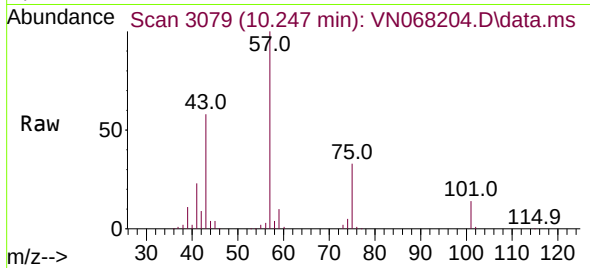




#54
 cis-1,3-Dichloropropene
 Concen: 8.820 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068204.D
 Acq: 18 Aug 2021 19:43

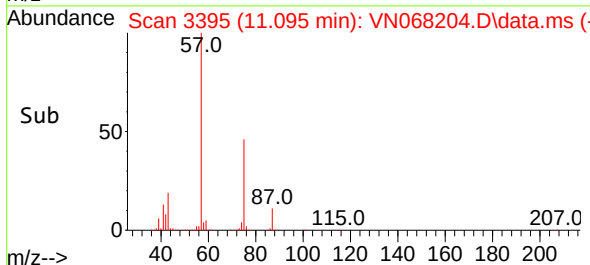
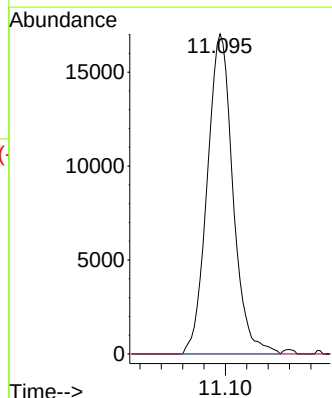
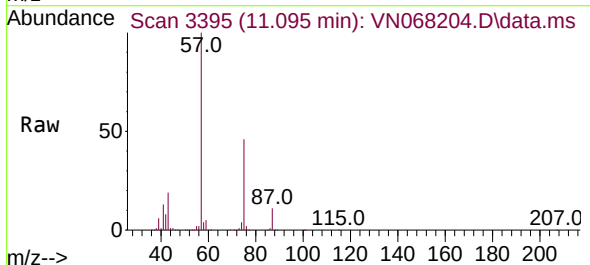
Instrument :
 MSVOA_N
 ClientSampled :

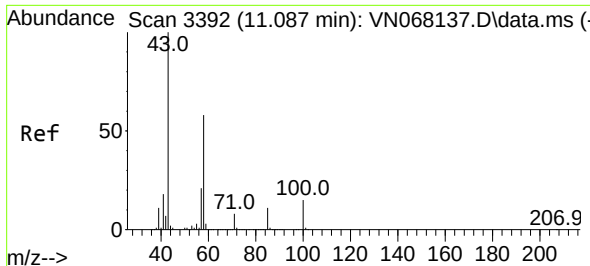
Tgt Ion: 75 Resp: 57212
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 33.5 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 3.970 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068204.D
 Acq: 18 Aug 2021 19:43

Tgt Ion: 76 Resp: 28479
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

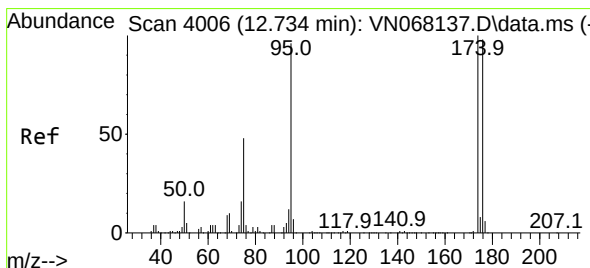
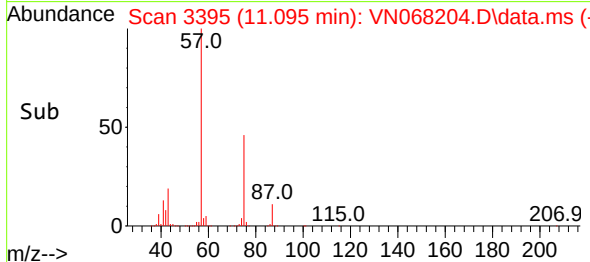
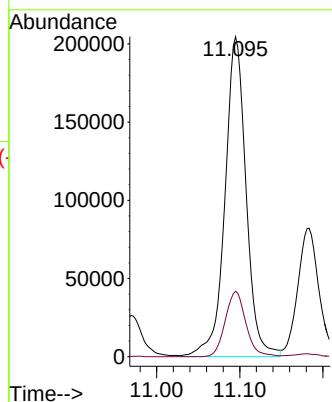
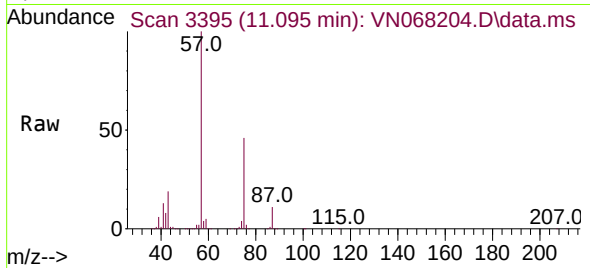




#59
2-Hexanone
Concen: 110.980 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

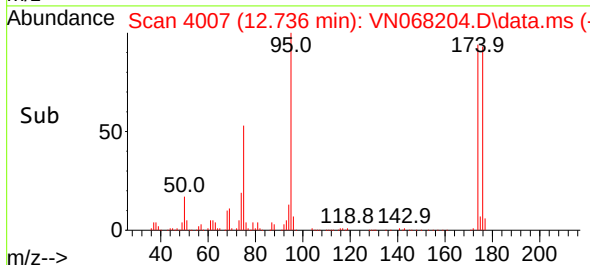
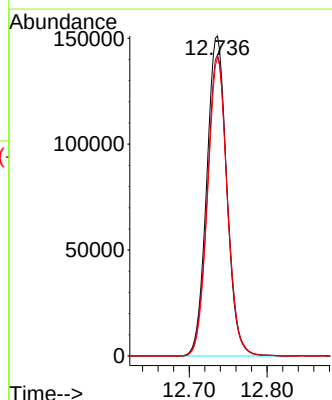
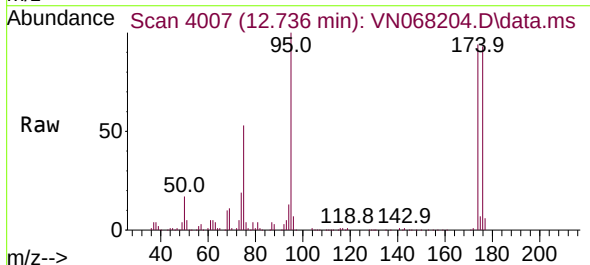
Instrument :
MSVOA_N
ClientSampled :

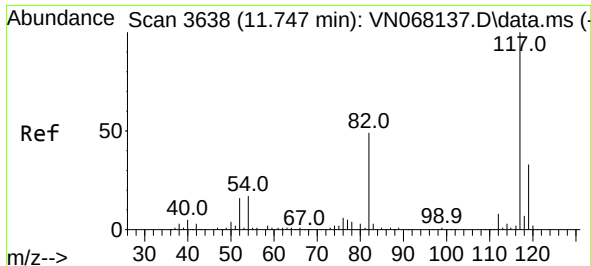
Tgt Ion: 43 Resp: 361825
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.438 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion: 95 Resp: 269771
Ion Ratio Lower Upper
95 100
174 94.4 0.0 122.0
176 91.5 0.0 117.6

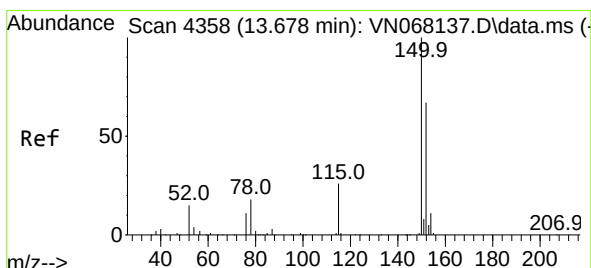
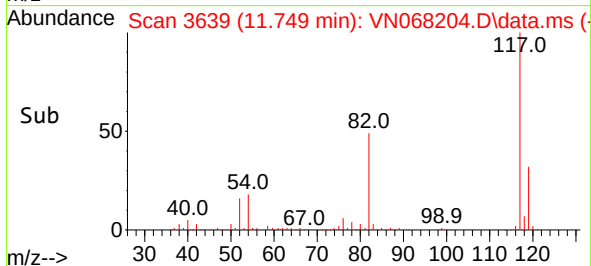
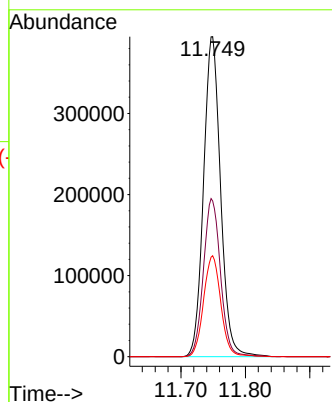
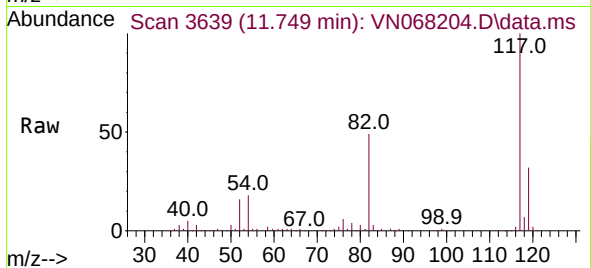




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

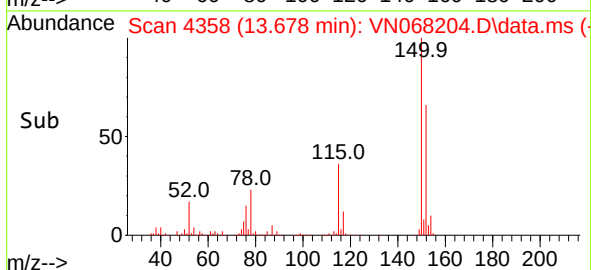
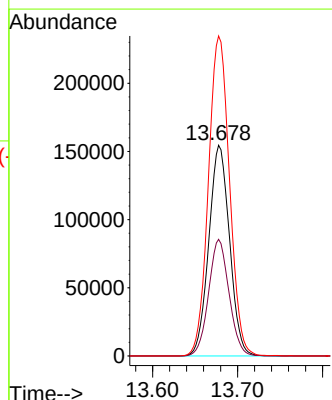
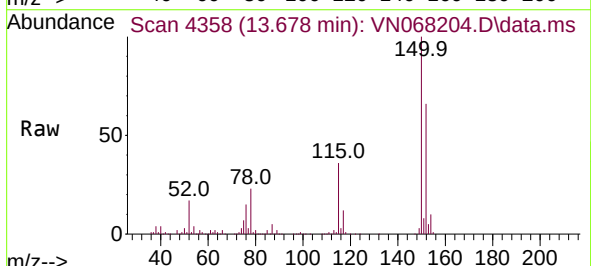
Instrument :
MSVOA_N
ClientSampled :

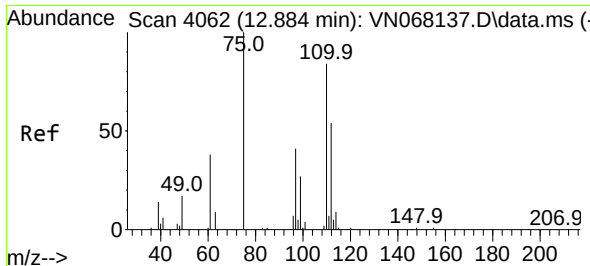
Tgt Ion:117 Resp: 725059
Ion Ratio Lower Upper
117 100
82 48.6 53.1 79.7#
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Tgt Ion:152 Resp: 261958
Ion Ratio Lower Upper
152 100
115 54.4 36.1 108.5
150 154.4 0.0 351.8

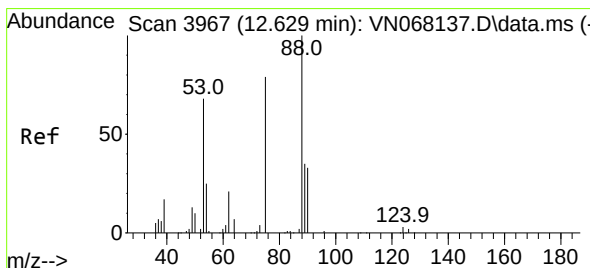
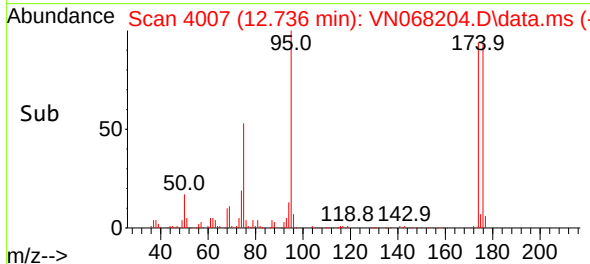
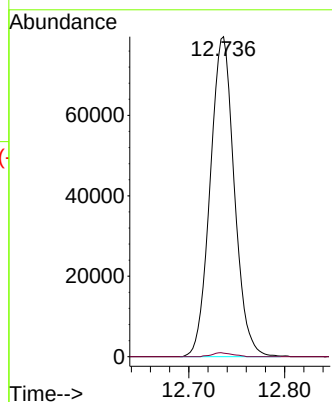
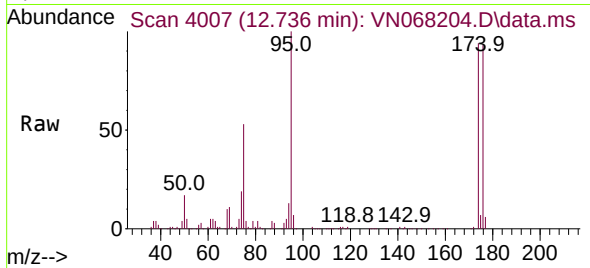




#76
1,2,3-Trichloropropane
Concen: 31.921 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

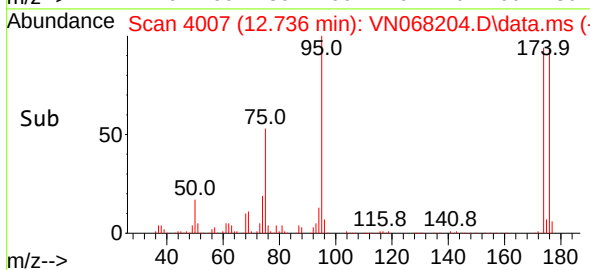
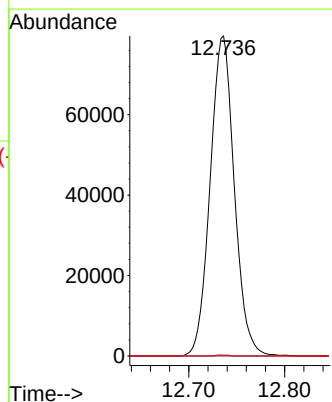
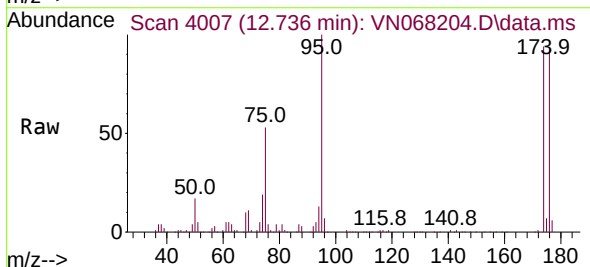
Instrument :
MSVOA_N
ClientSampled :

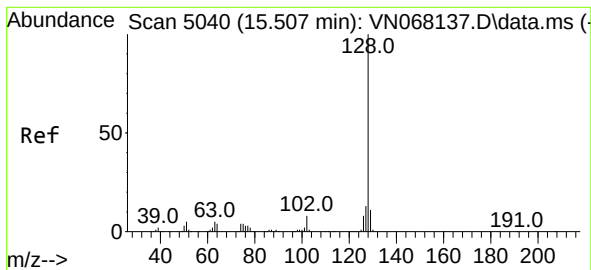
Tgt Ion: 75 Resp: 138985
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.579 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

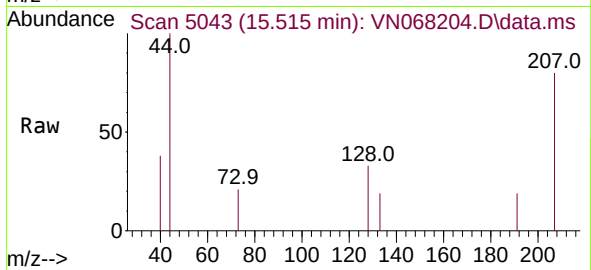
Tgt Ion: 75 Resp: 138985
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.380 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068204.D
Acq: 18 Aug 2021 19:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 388
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

