

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068680.D
 Acq On : 25 Sep 2021 20:31
 Operator : JC/MD
 Sample : PB139290TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139290TB

Quant Time: Sep 27 04:48:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

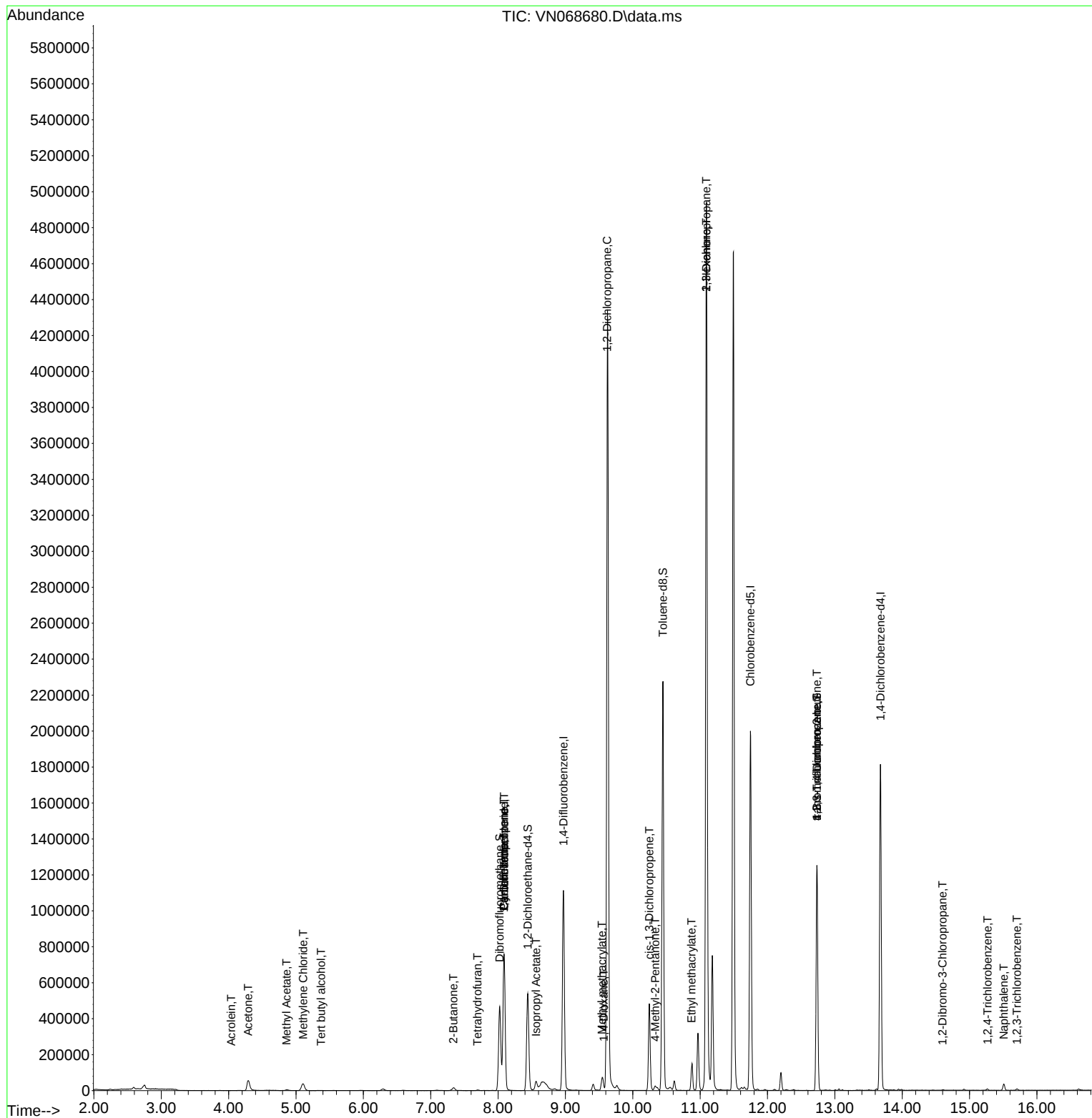
Internal Standards						
1) Pentafluorobenzene	8.091	168	579910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	960544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1102086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	476238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	451421	49.883	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.760%		
35) Dibromofluoromethane	8.024	113	335781	52.259	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.520%		
50) Toluene-d8	10.448	98	1475356	54.158	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.320%		
62) 4-Bromofluorobenzene	12.733	95	417859	44.850	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	170	Below Cal	#	4
6) Chloroethane	2.998	64	399	Below Cal	#	44
11) Tert butyl alcohol	5.371	59	493	0.354	ug/l #	71
13) Acrolein	4.038	56	83	7.009	ug/l #	14
16) Acetone	4.291	43	108357	22.563	ug/l	93
18) Methyl Acetate	4.859	43	5070	0.381	ug/l	94
20) Methylene Chloride	5.106	84	31192	2.665	ug/l	94
25) 2-Butanone	7.335	43	13688	2.480	ug/l	96
29) Tetrahydrofuran	7.694	42	2502	0.713	ug/l #	74
31) Cyclohexane	8.088	56	14563	1.146	ug/l #	33
36) 1,1-Dichloropropene	8.086	75	47971	4.945	ug/l #	52
38) Carbon Tetrachloride	8.091	117	59642	5.952	ug/l #	17
43) Isopropyl Acetate	8.563	43	64313	3.413	ug/l #	86
45) 1,2-Dichloropropane	9.620	63	5085	0.678	ug/l #	44
48) Methyl methacrylate	9.542	41	18837	2.189	ug/l #	13
49) 1,4-Dioxane	9.571	88	66	0.526	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	14521	1.274	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	81014	6.840	ug/l #	63
56) Ethyl methacrylate	10.872	69	402	0.737	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	48083	3.938	ug/l #	43
59) 2-Hexanone	11.092	43	830451	101.353	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	232799	19.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	232799	55.845	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.600	75	800	0.323	ug/l #	60
93) 1,2,4-Trichlorobenzene	15.268	180	2247	0.281	ug/l	86
95) Naphthalene	15.507	128	32777	2.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	3122	0.400	ug/l #	91

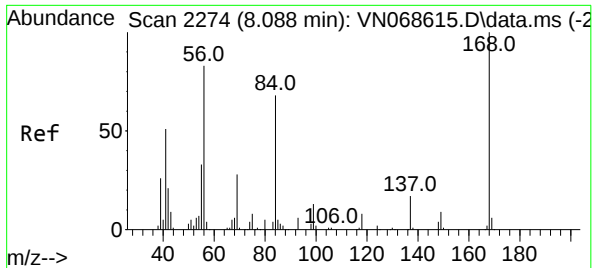
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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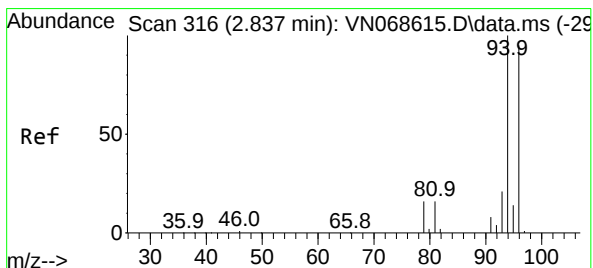
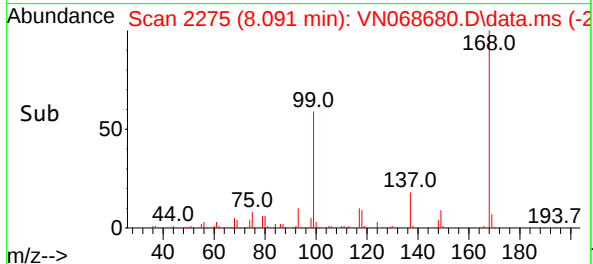
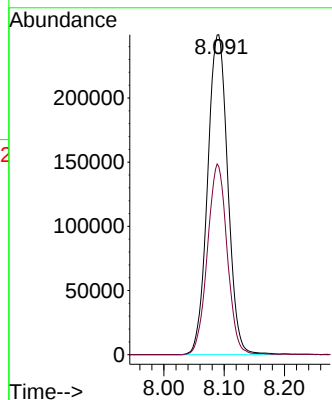
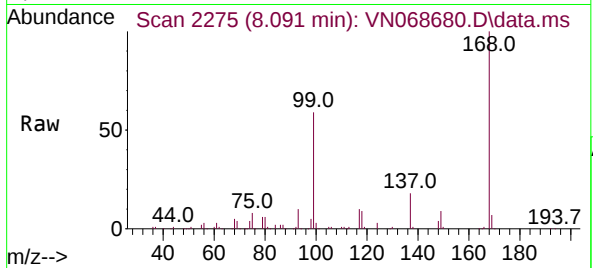




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

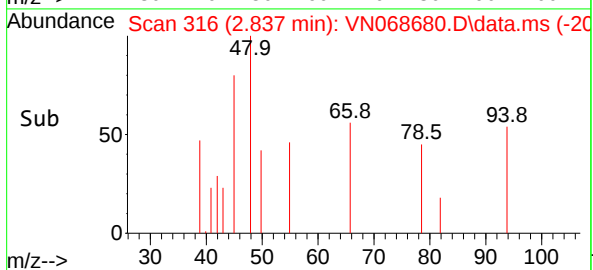
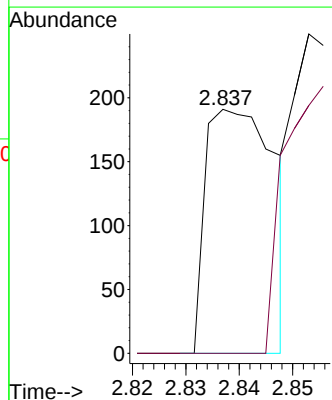
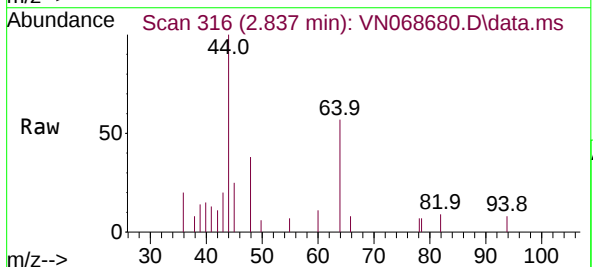
Instrument :
MSVOA_N
ClientSampled :
PB139290TB

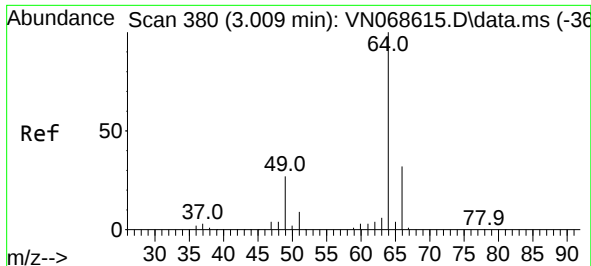
Tgt Ion:168 Resp: 579910
Ion Ratio Lower Upper
168 100
99 58.9 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. -0.000 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

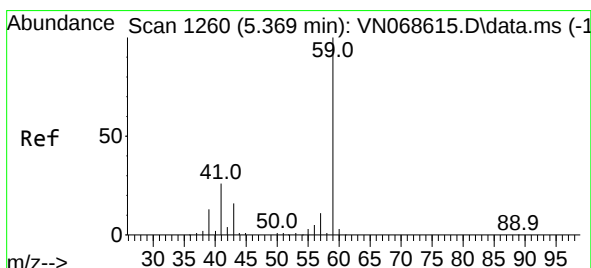
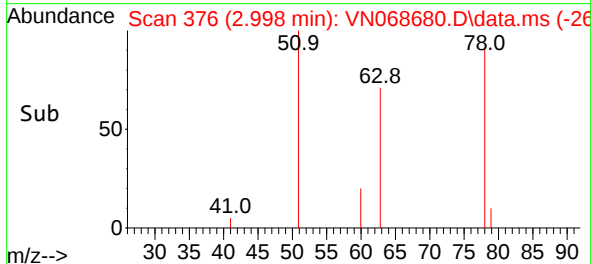
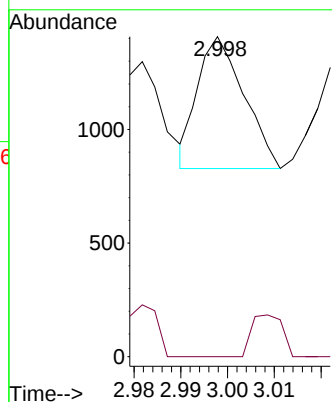
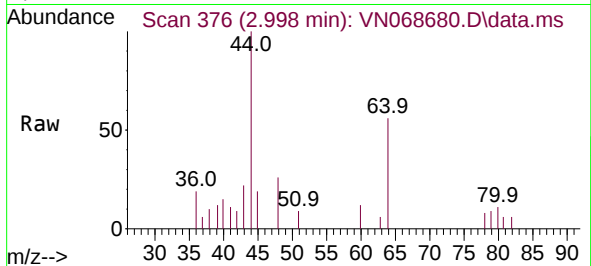




#6
Chloroethane
Concen: Below Cal
RT: 2.998 min Scan# 376
Delta R.T. -0.011 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

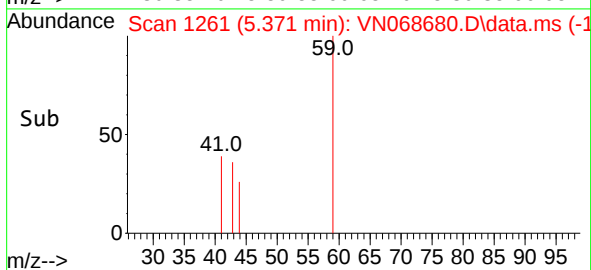
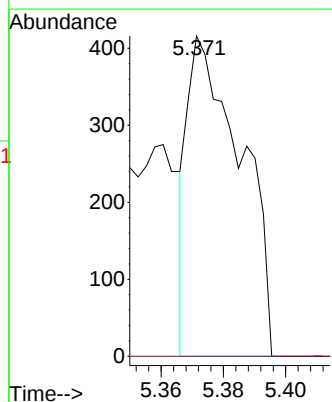
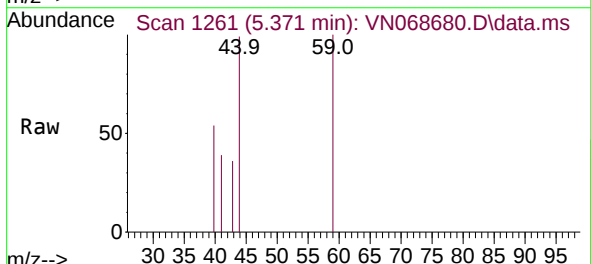
Instrument :
MSVOA_N
ClientSampleId :
PB139290TB

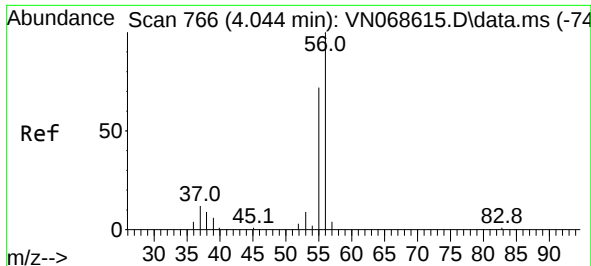
Tgt Ion: 64 Resp: 399
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.002 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

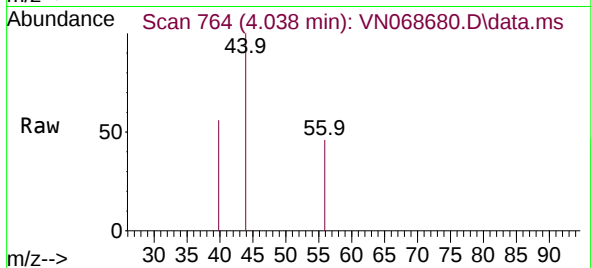
Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



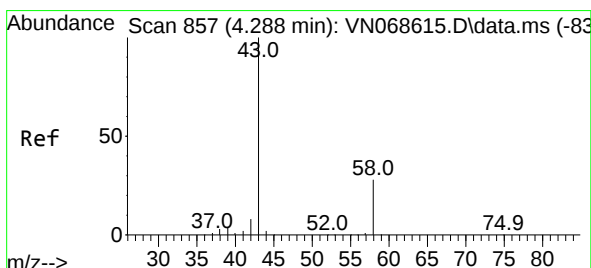
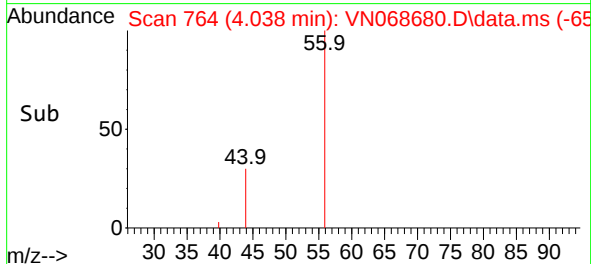
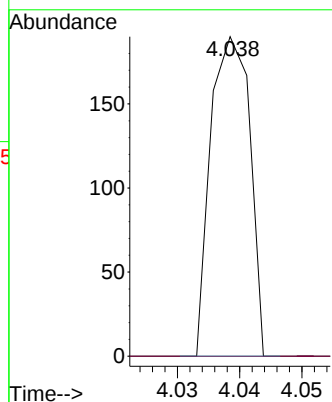


#13
Acrolein
Concen: 7.009 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.006 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Instrument :
MSVOA_N
ClientSampleId :
PB139290TB

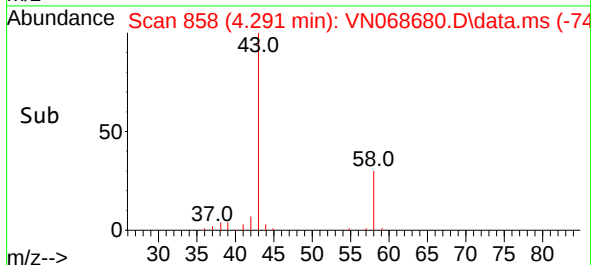
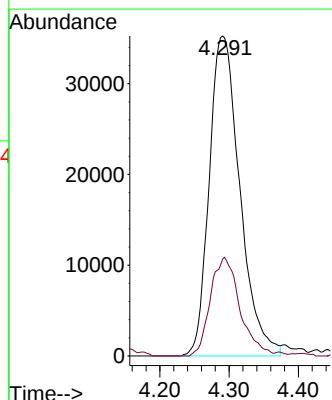
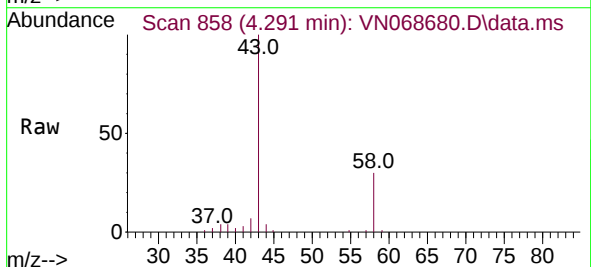


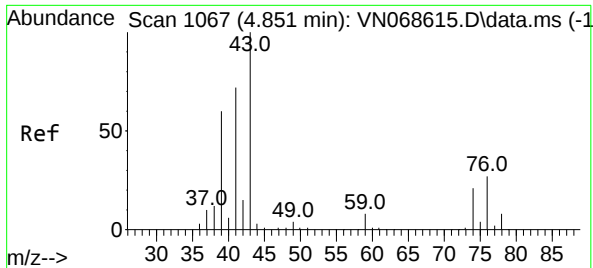
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 22.563 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 43 Resp: 108357
Ion Ratio Lower Upper
43 100
58 30.2 21.2 31.8

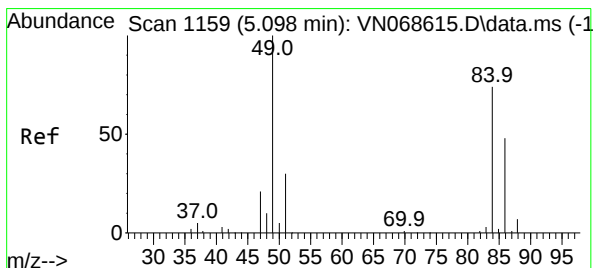
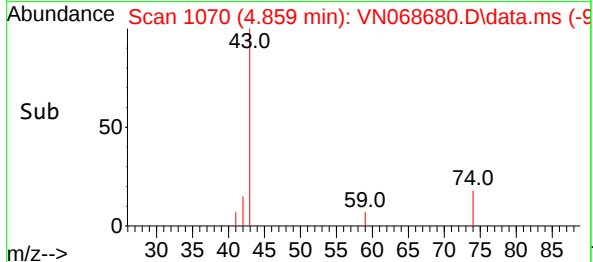
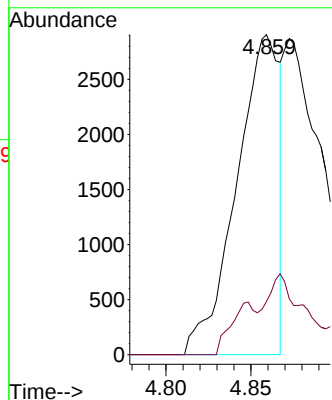
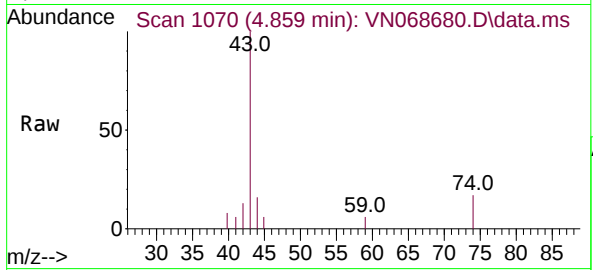




#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.008 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

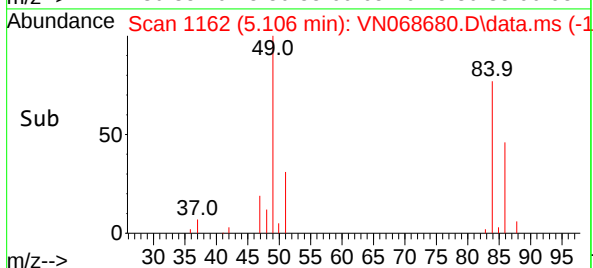
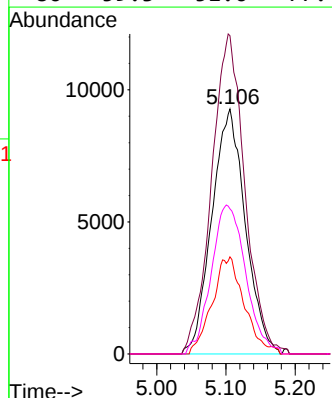
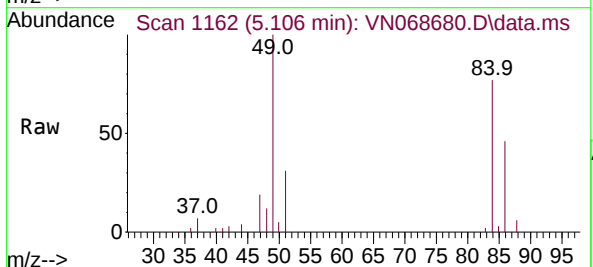
Instrument :
MSVOA_N
ClientSampled :
PB139290TB

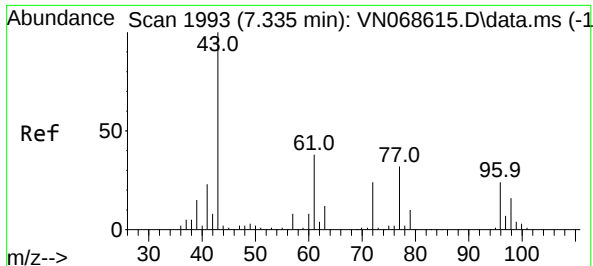
Tgt Ion: 43 Resp: 5070
Ion Ratio Lower Upper
43 100
74 24.4 17.4 26.0



#20
Methylene Chloride
Concen: 2.665 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.008 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 84 Resp: 31192
Ion Ratio Lower Upper
84 100
49 129.9 110.9 166.3
51 39.7 32.6 49.0
86 59.3 51.6 77.4

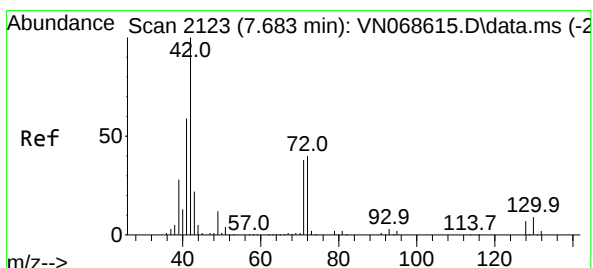
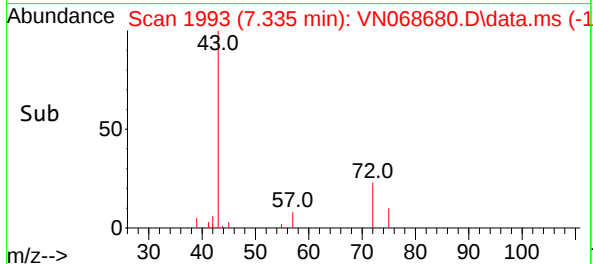
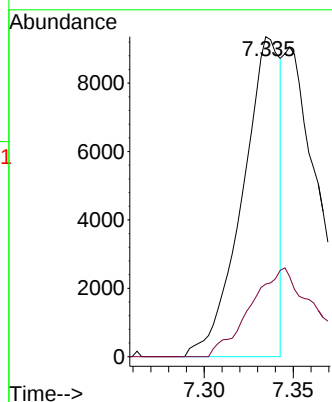
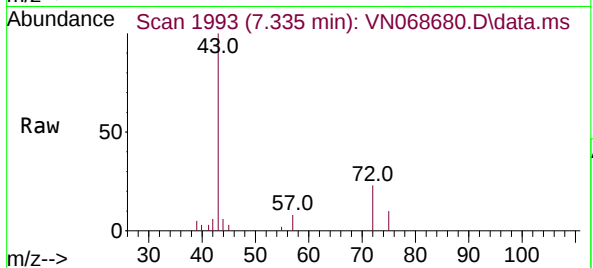




#25
2-Butanone
Concen: 2.480 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

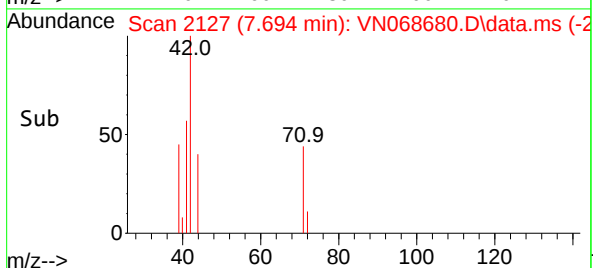
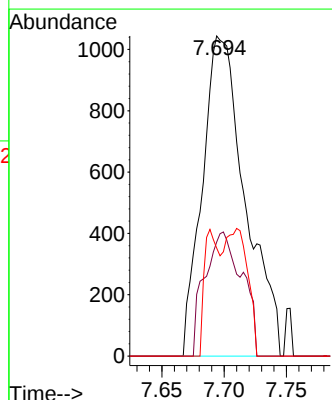
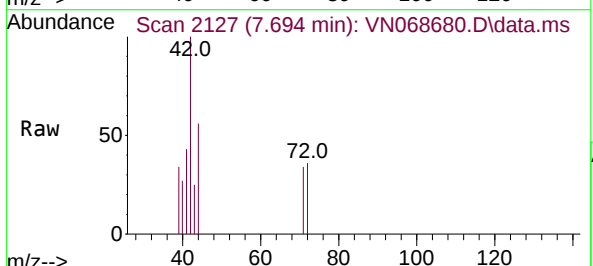
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ClientSampled :
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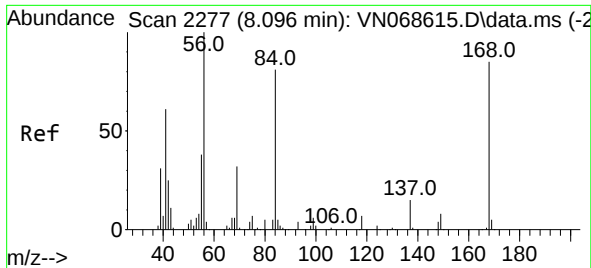
Tgt Ion: 43 Resp: 13688
Ion Ratio Lower Upper
43 100
72 22.7 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.713 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 42 Resp: 2502
Ion Ratio Lower Upper
42 100
72 33.6 32.8 49.2
71 13.5 31.2 46.8#

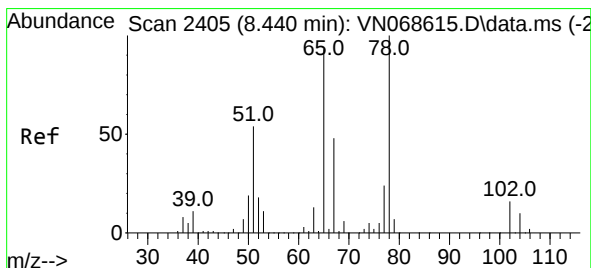
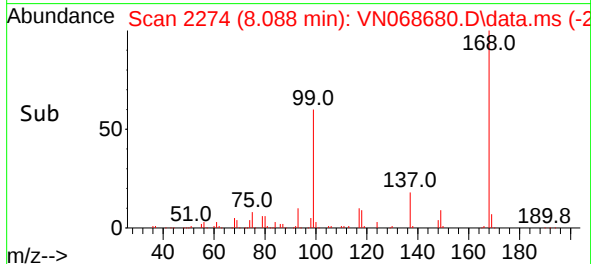
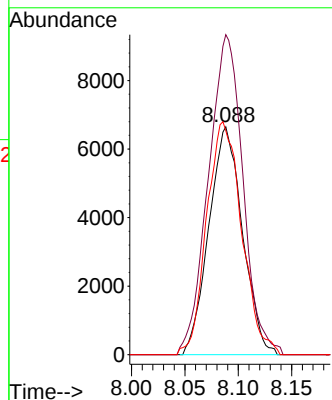
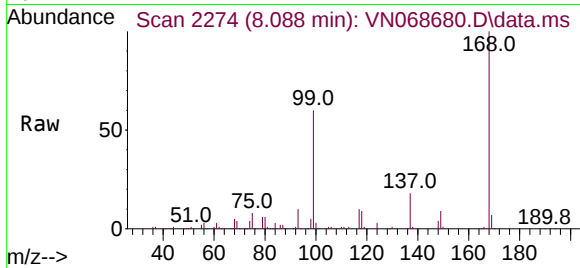




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

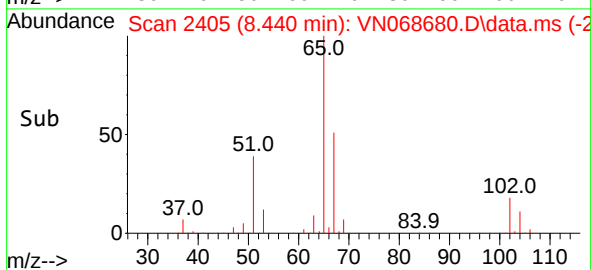
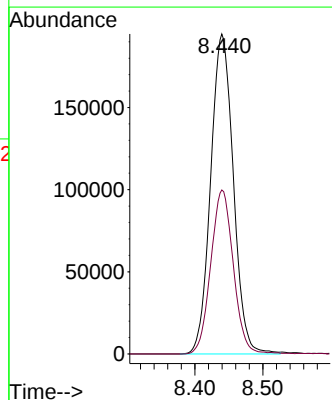
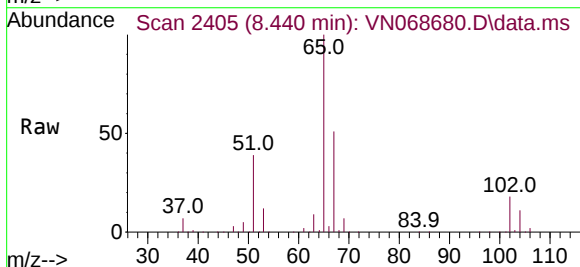
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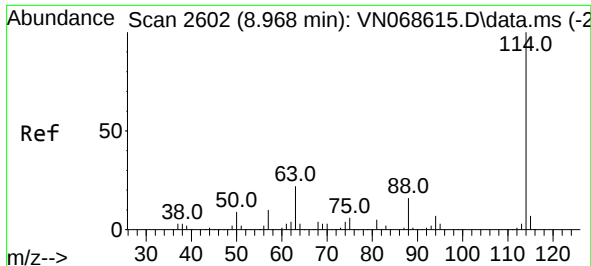
Tgt Ion:	56	Resp:	14563
Ion	Ratio	Lower	Upper
56	100		
69	137.2	27.3	40.9#
84	98.3	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.883 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion:	65	Resp:	451421
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	98.6

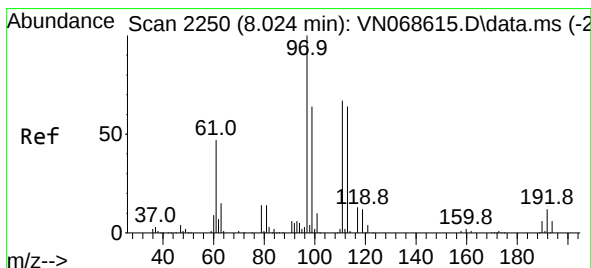
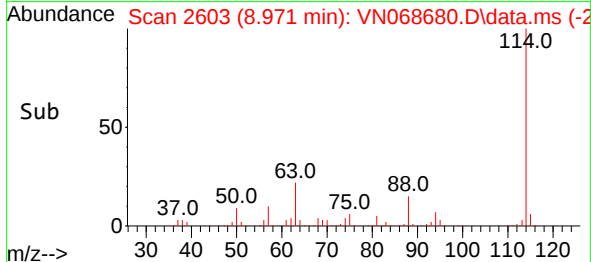
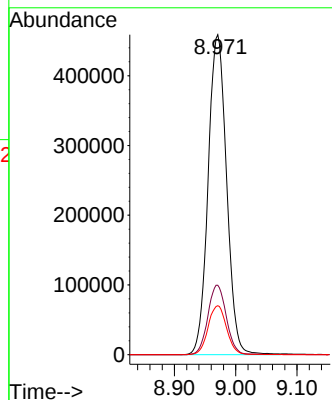
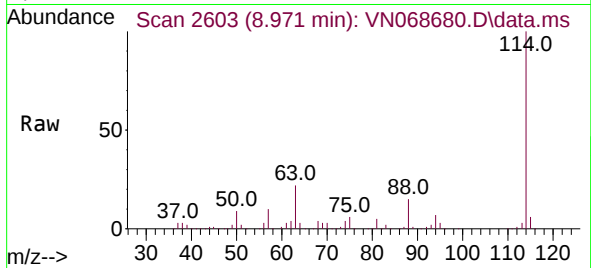




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

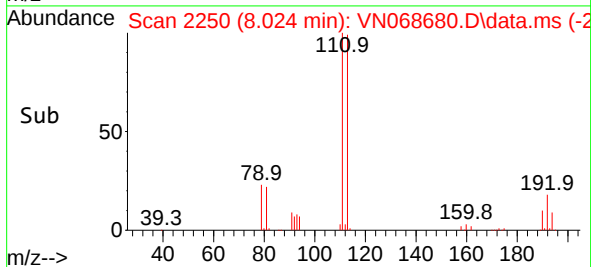
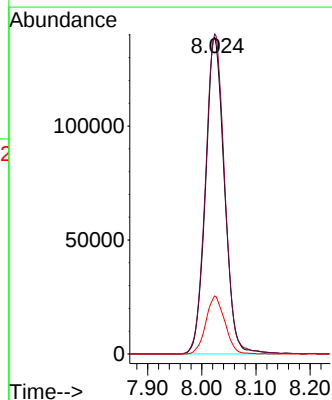
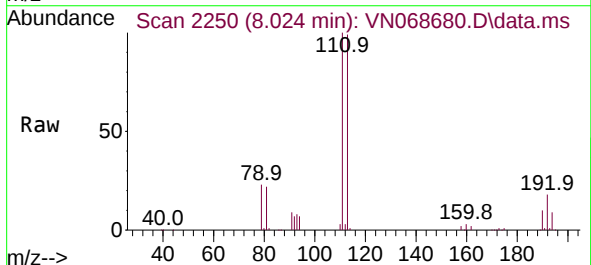
Instrument :
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ClientSampleId :
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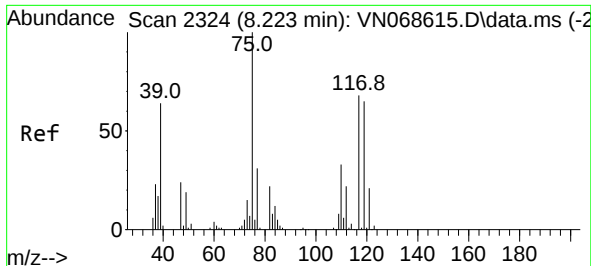
Tgt Ion:114 Resp: 960544
Ion Ratio Lower Upper
114 100
63 21.7 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion:113 Resp: 335781
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 18.4 13.4 20.0

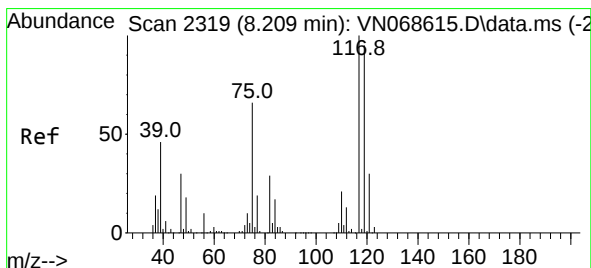
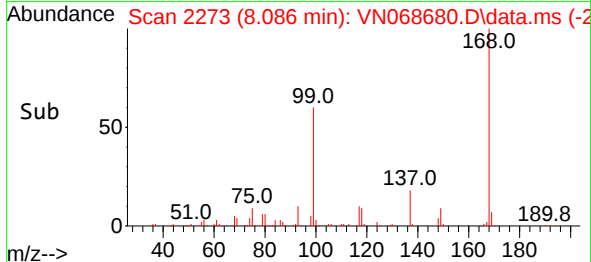
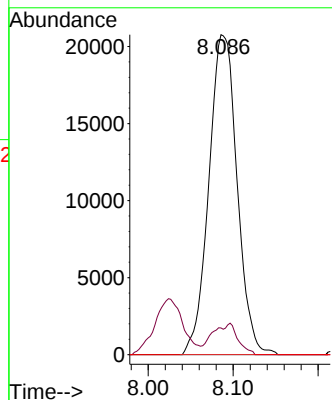
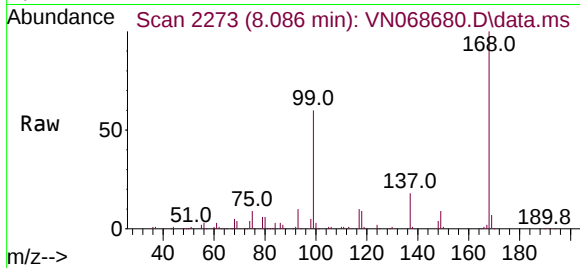




#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

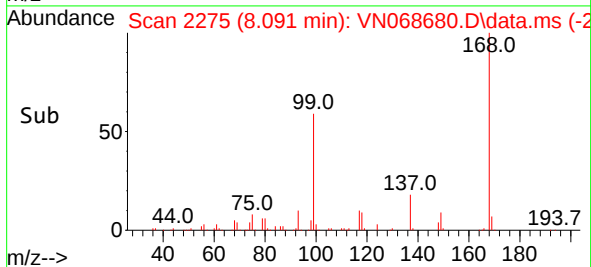
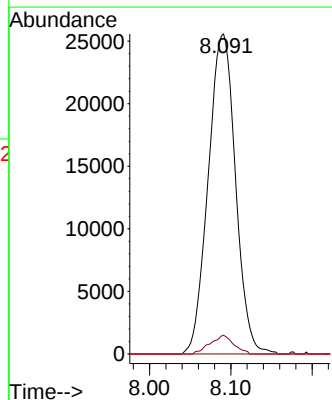
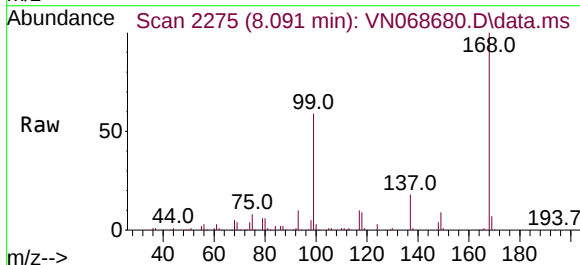
Instrument :
MSVOA_N
ClientSampled :
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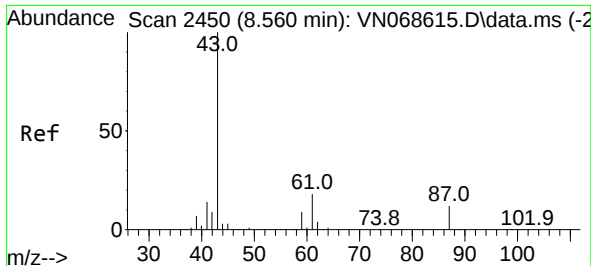
Tgt Ion: 75 Resp: 47971
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 117 Resp: 59642
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#

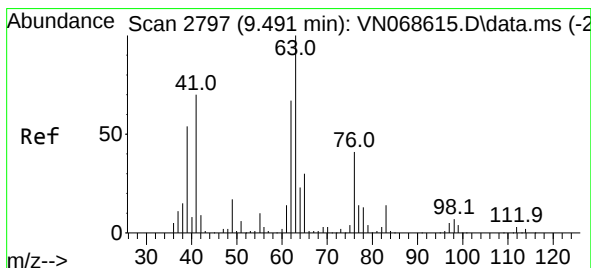
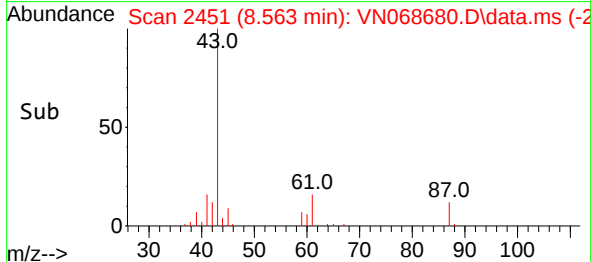
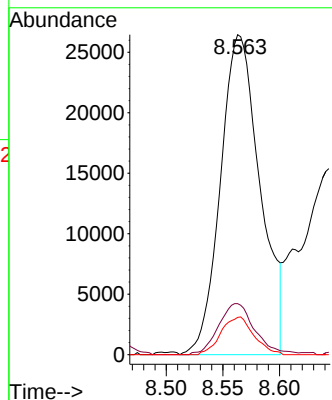
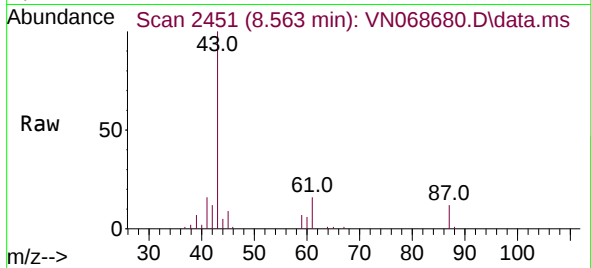




#43
Isopropyl Acetate
Concen: 3.413 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

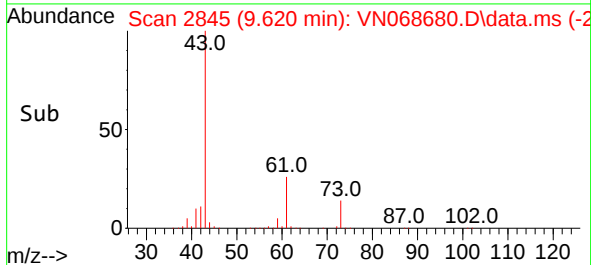
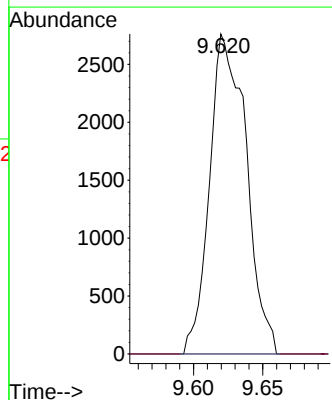
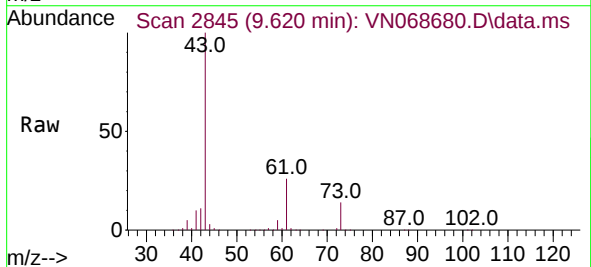
Instrument :
MSVOA_N
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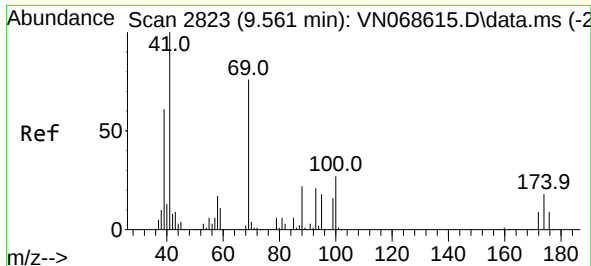
Tgt Ion: 43 Resp: 64313
Ion Ratio Lower Upper
43 100
61 14.6 19.0 28.4#
87 9.8 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.678 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 63 Resp: 5085
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

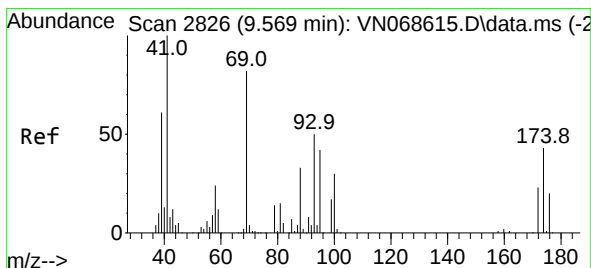
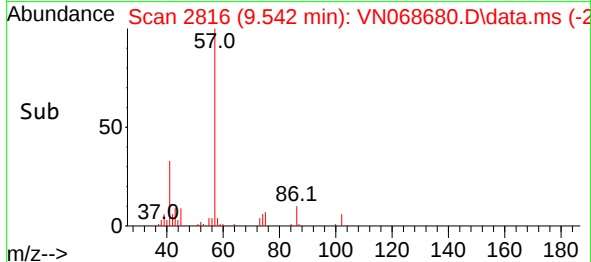
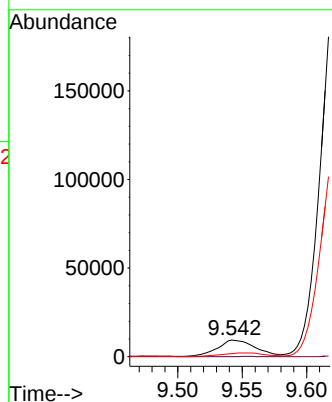
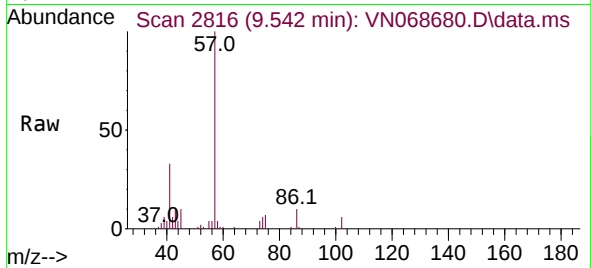




#48
Methyl methacrylate
Concen: 2.189 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

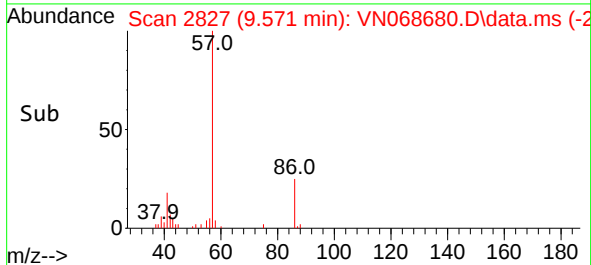
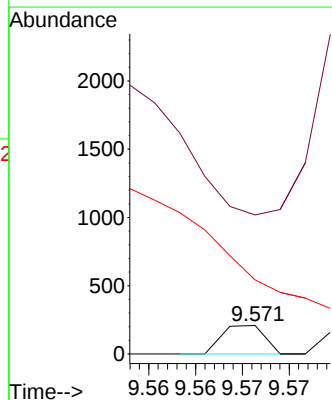
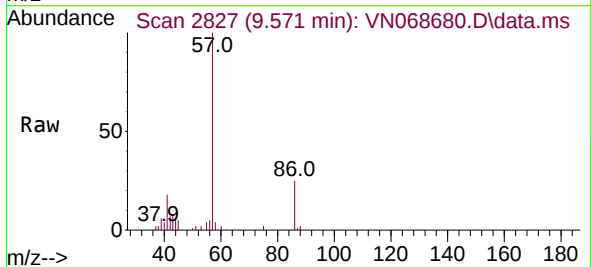
Instrument :
MSVOA_N
ClientSampleId :
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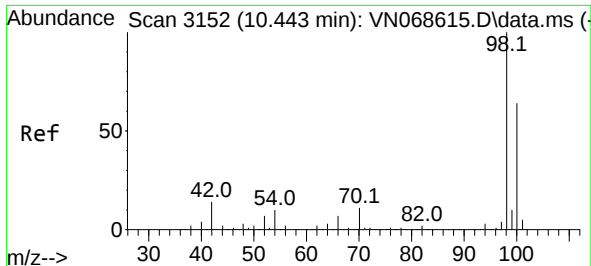
Tgt Ion: 41 Resp: 18837
Ion Ratio Lower Upper
41 100
69 0.7 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.526 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.002 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

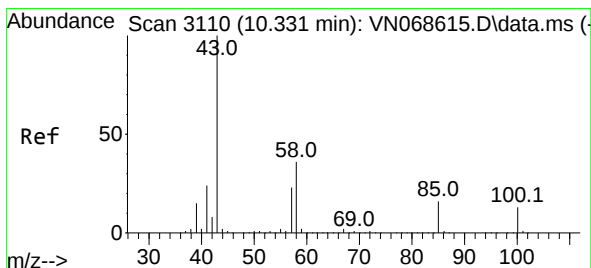
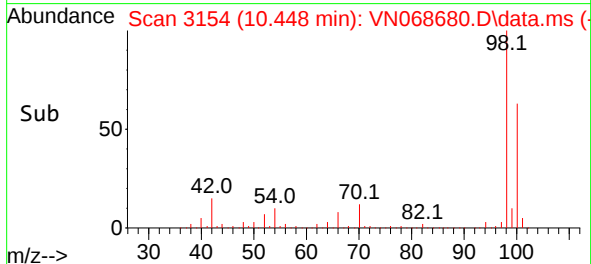
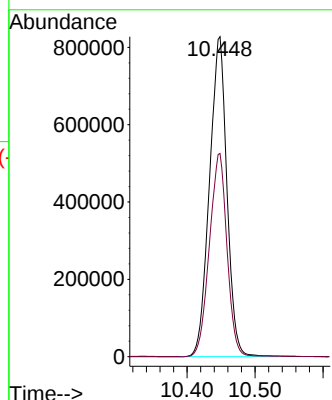
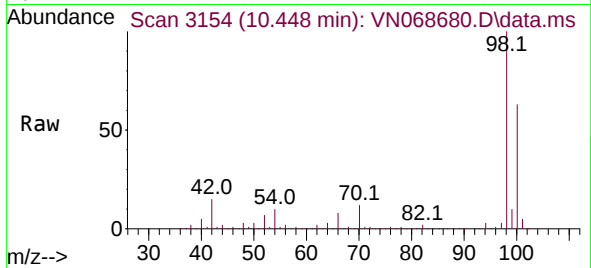




#50
Toluene-d8
Concen: 54.158 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.005 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

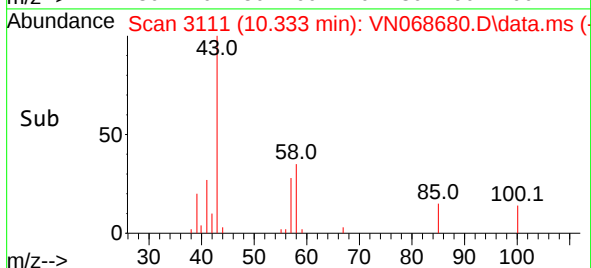
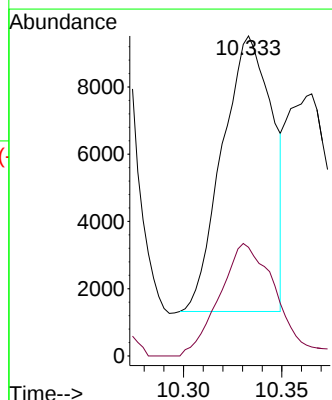
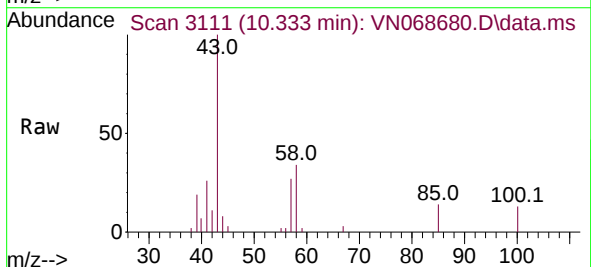
Instrument :
MSVOA_N
ClientSampled :
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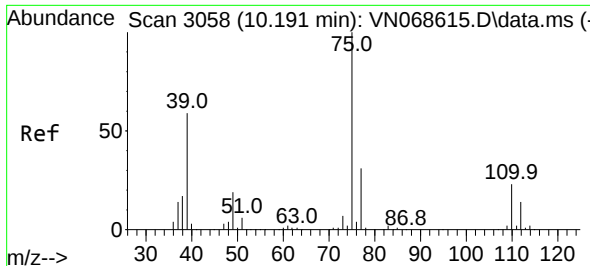
Tgt Ion: 98 Resp: 1475356
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.274 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 43 Resp: 14521
Ion Ratio Lower Upper
43 100
58 45.7 28.6 43.0#

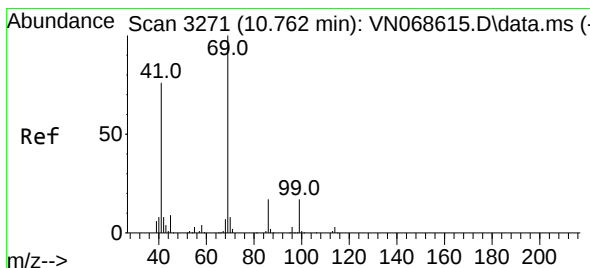
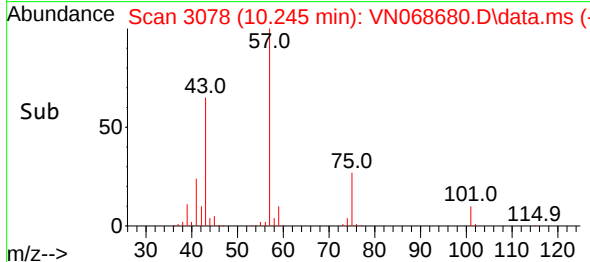
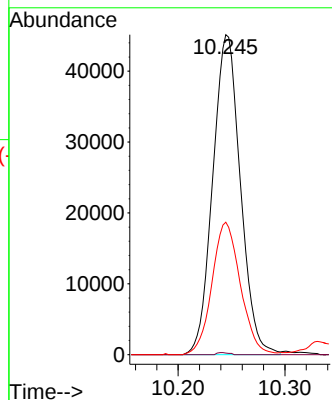
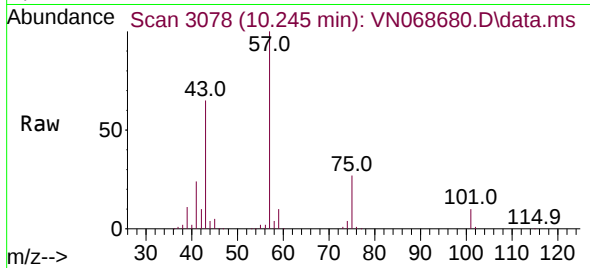




#54
 cis-1,3-Dichloropropene
 Concen: 6.840 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068680.D
 Acq: 25 Sep 2021 20:31

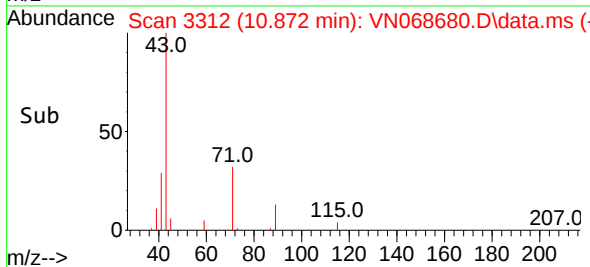
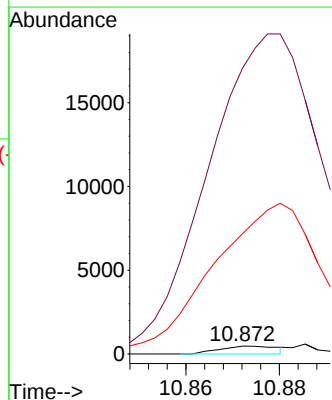
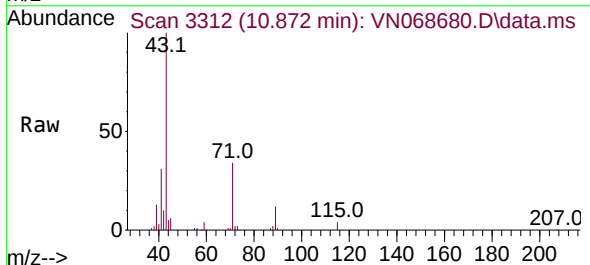
Instrument :
 MSVOA_N
 ClientSampled :
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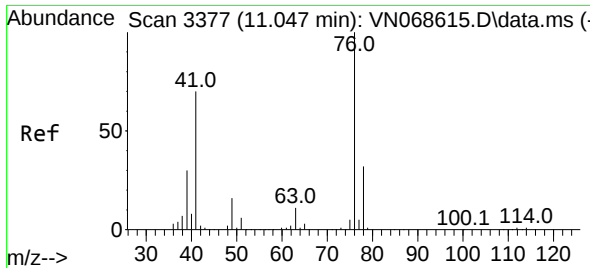
Tgt Ion: 75 Resp: 81014
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 41.4 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.737 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.110 min
 Lab File: VN068680.D
 Acq: 25 Sep 2021 20:31

Tgt Ion: 69 Resp: 402
 Ion Ratio Lower Upper
 69 100
 41 8472.4 58.6 88.0#
 39 3843.5 38.3 57.5#

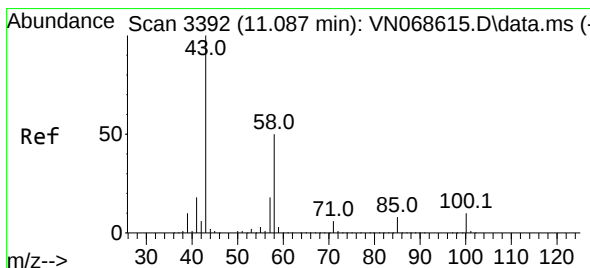
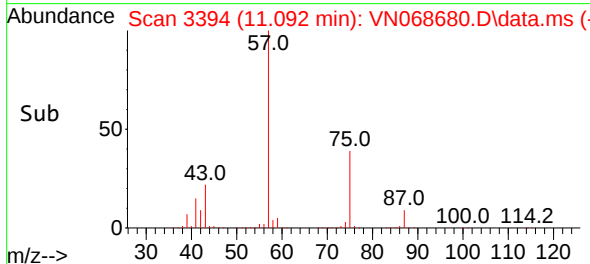
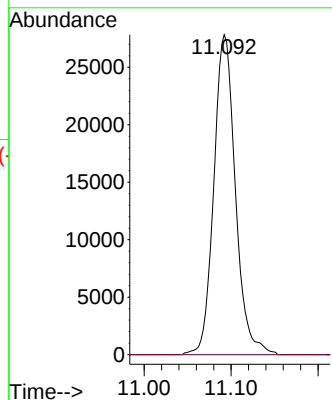
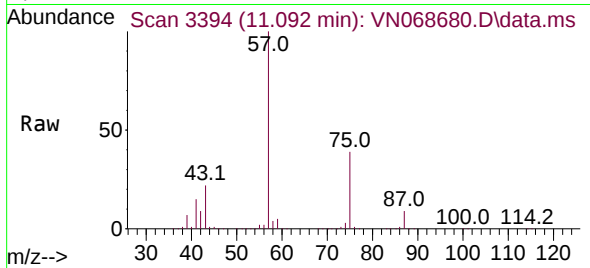




#57
1,3-Dichloropropane
Concen: 3.938 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

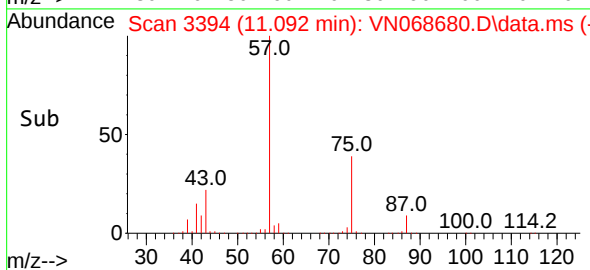
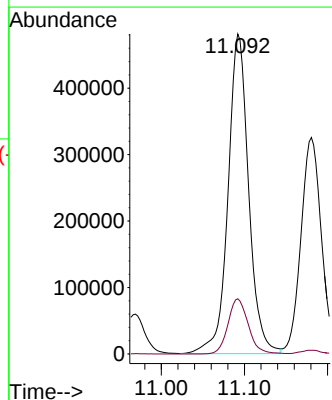
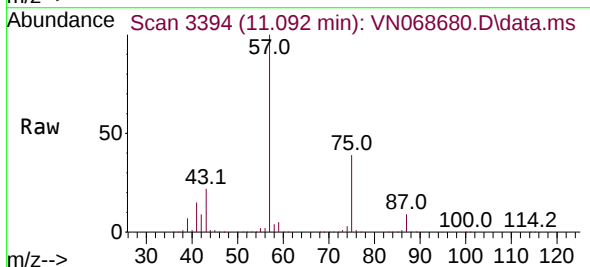
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MSVOA_N
ClientSampled :
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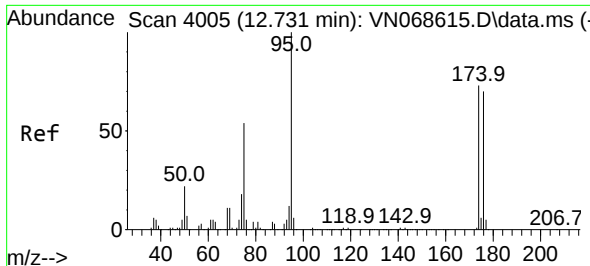
Tgt Ion: 76 Resp: 48083
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 101.353 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 43 Resp: 830451
Ion Ratio Lower Upper
43 100
58 17.0 24.7 74.1#

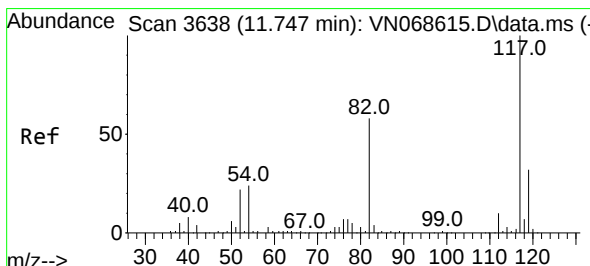
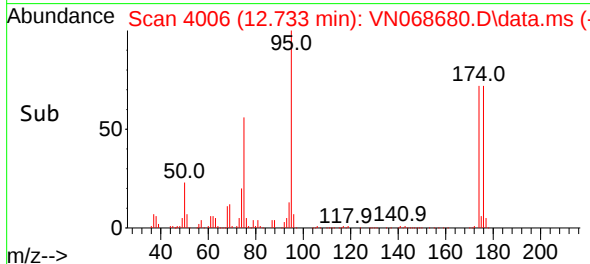
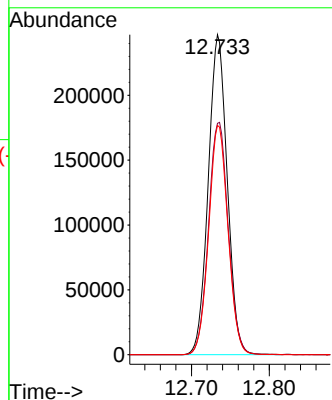
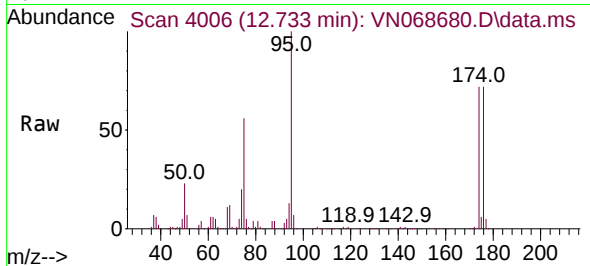




#62
4-Bromofluorobenzene
Concen: 44.850 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

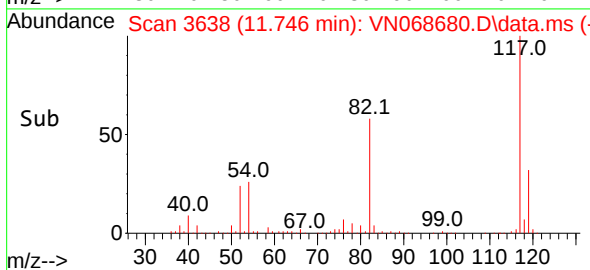
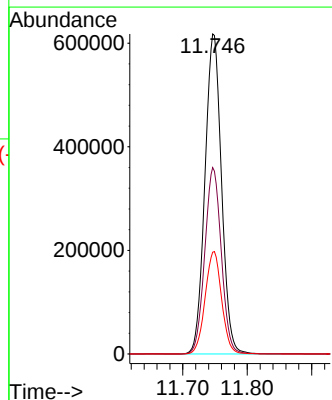
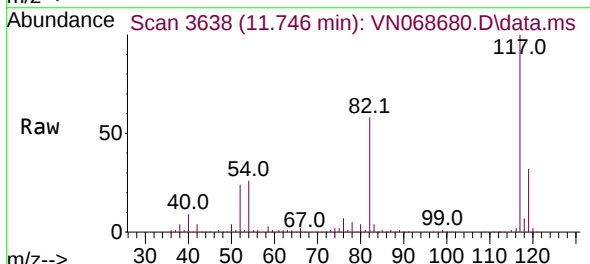
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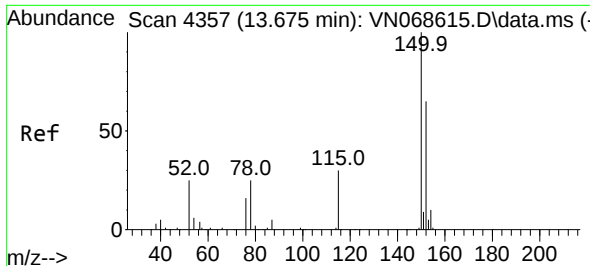
Tgt Ion: 95 Resp: 417859
Ion Ratio Lower Upper
95 100
174 75.8 0.0 122.0
176 73.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 117 Resp: 1102086
Ion Ratio Lower Upper
117 100
82 58.2 53.1 79.7
119 31.8 25.5 38.3

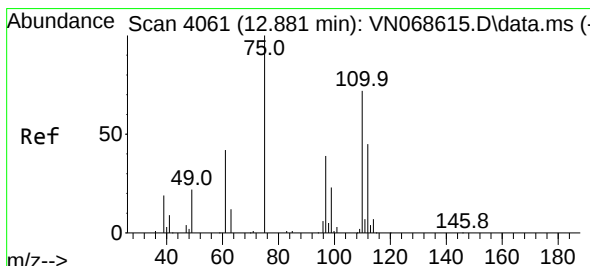
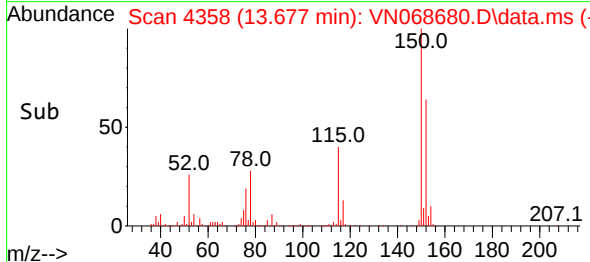
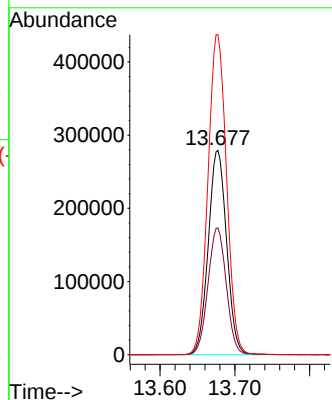
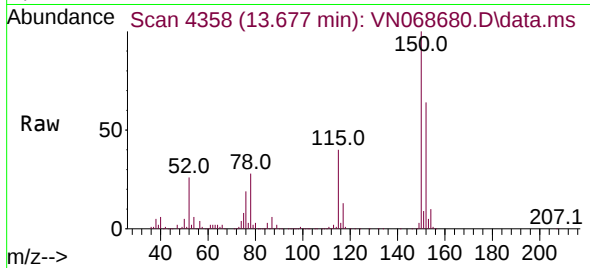




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

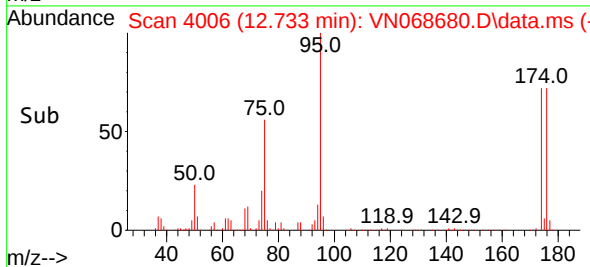
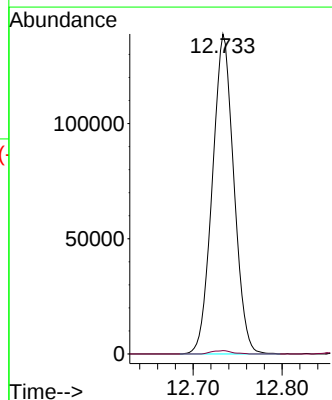
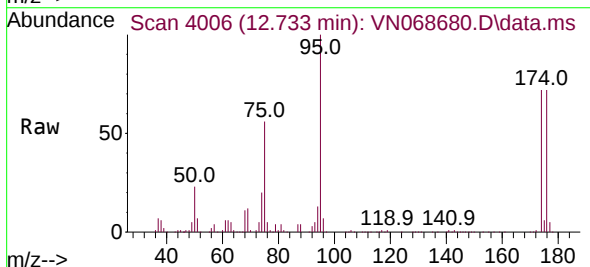
Instrument :
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ClientSampleId :
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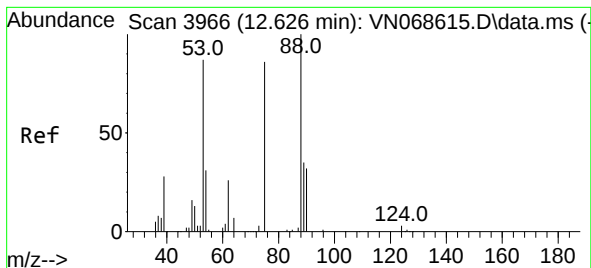
Tgt Ion:152 Resp: 476238
Ion Ratio Lower Upper
152 100
115 61.9 36.1 108.5
150 158.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 19.770 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 75 Resp: 232799
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

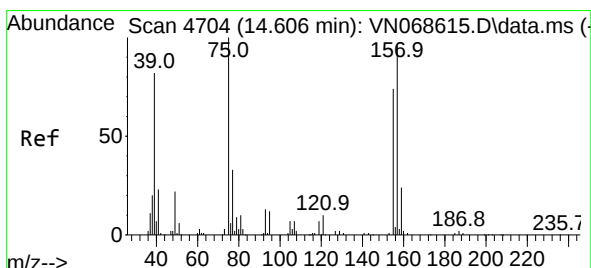
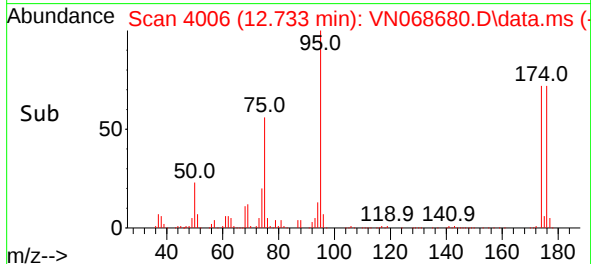
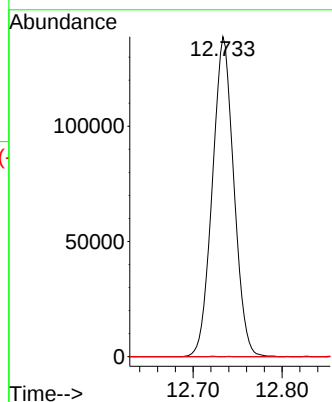
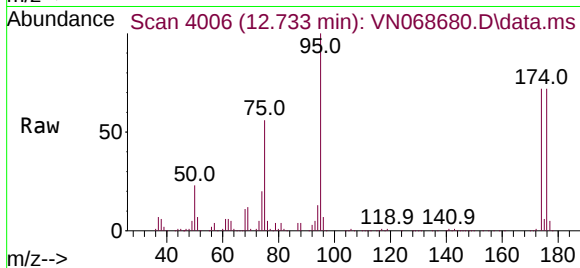




#81
trans-1,4-Dichloro-2-butene
Concen: 55.845 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

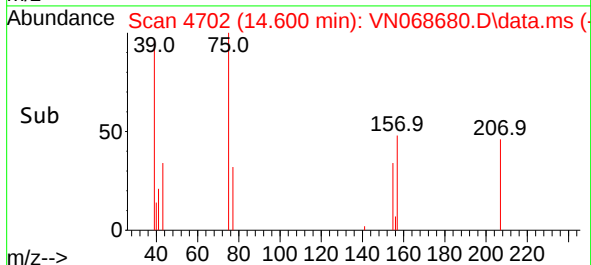
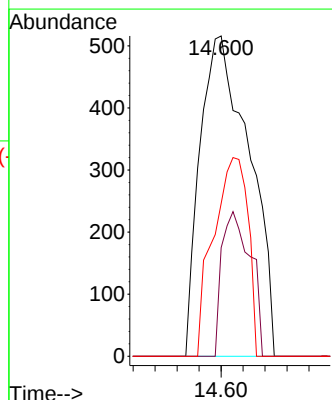
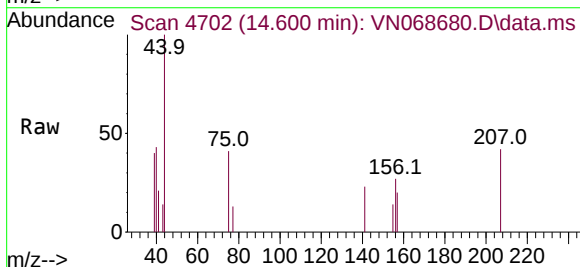
Instrument :
MSVOA_N
ClientSampleId :
PB139290TB

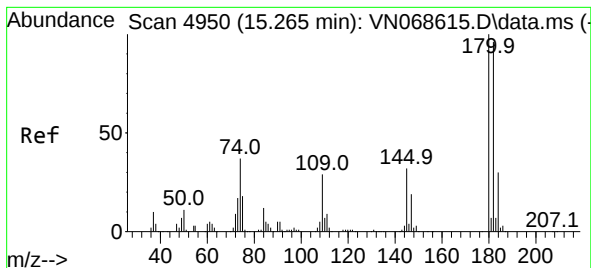
Tgt Ion: 75 Resp: 232799
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.323 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.006 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

Tgt Ion: 75 Resp: 800
Ion Ratio Lower Upper
75 100
155 26.3 29.8 89.5#
157 43.6 37.6 112.8

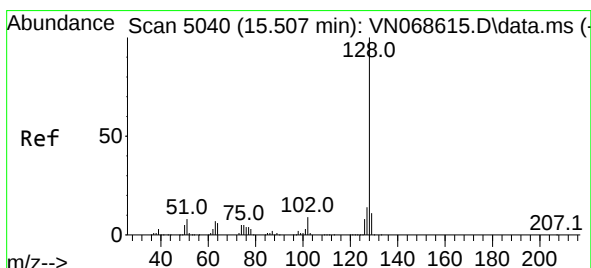
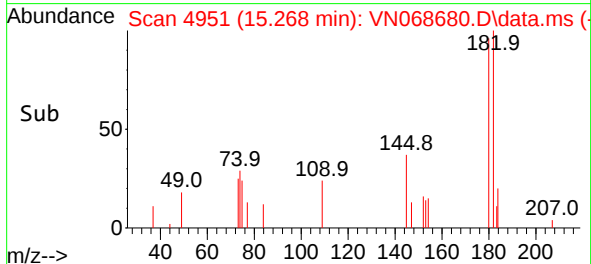
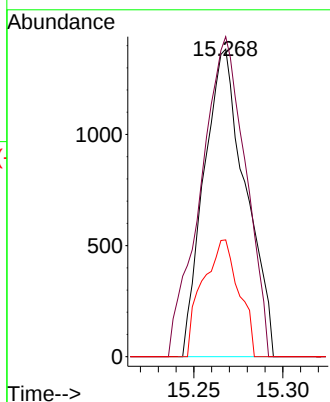
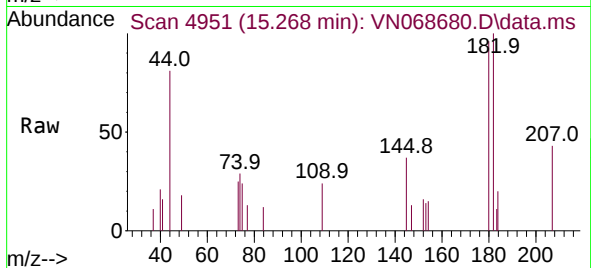




#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

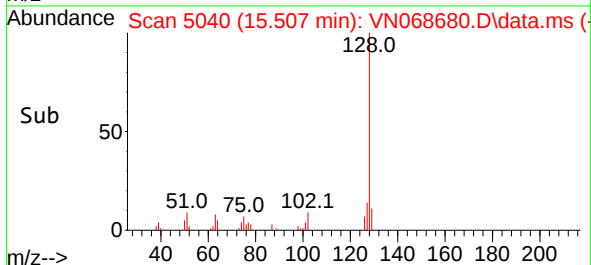
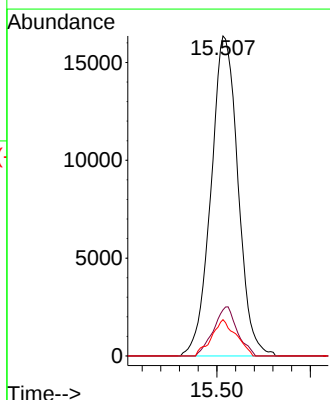
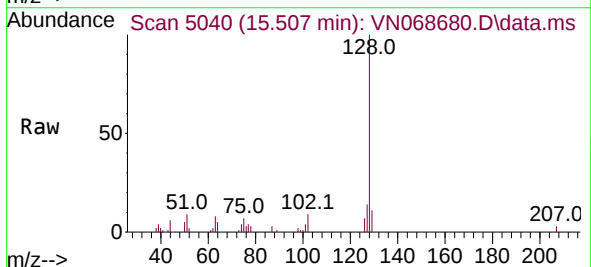
Instrument :
MSVOA_N
ClientSampleId :
PB139290TB

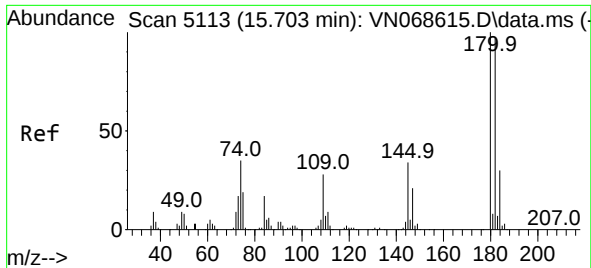
Tgt Ion:180 Resp: 2247
Ion Ratio Lower Upper
180 100
182 112.1 47.5 142.5
145 33.0 17.2 51.6



#95
Naphthalene
Concen: 2.980 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068680.D
Acq: 25 Sep 2021 20:31

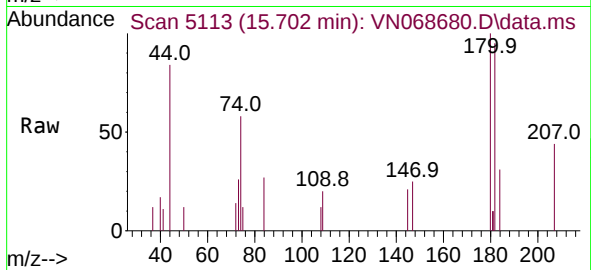
Tgt Ion:128 Resp: 32777
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.2 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.400 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068680.D
 Acq: 25 Sep 2021 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139290TB



Tgt Ion:180 Resp: 3122
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.8 143.3
 145 18.0 18.2 54.6#

