

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068230.D
 Acq On : 19 Aug 2021 20:47
 Operator : JC/MD
 Sample : PB138556ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:56:35 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)

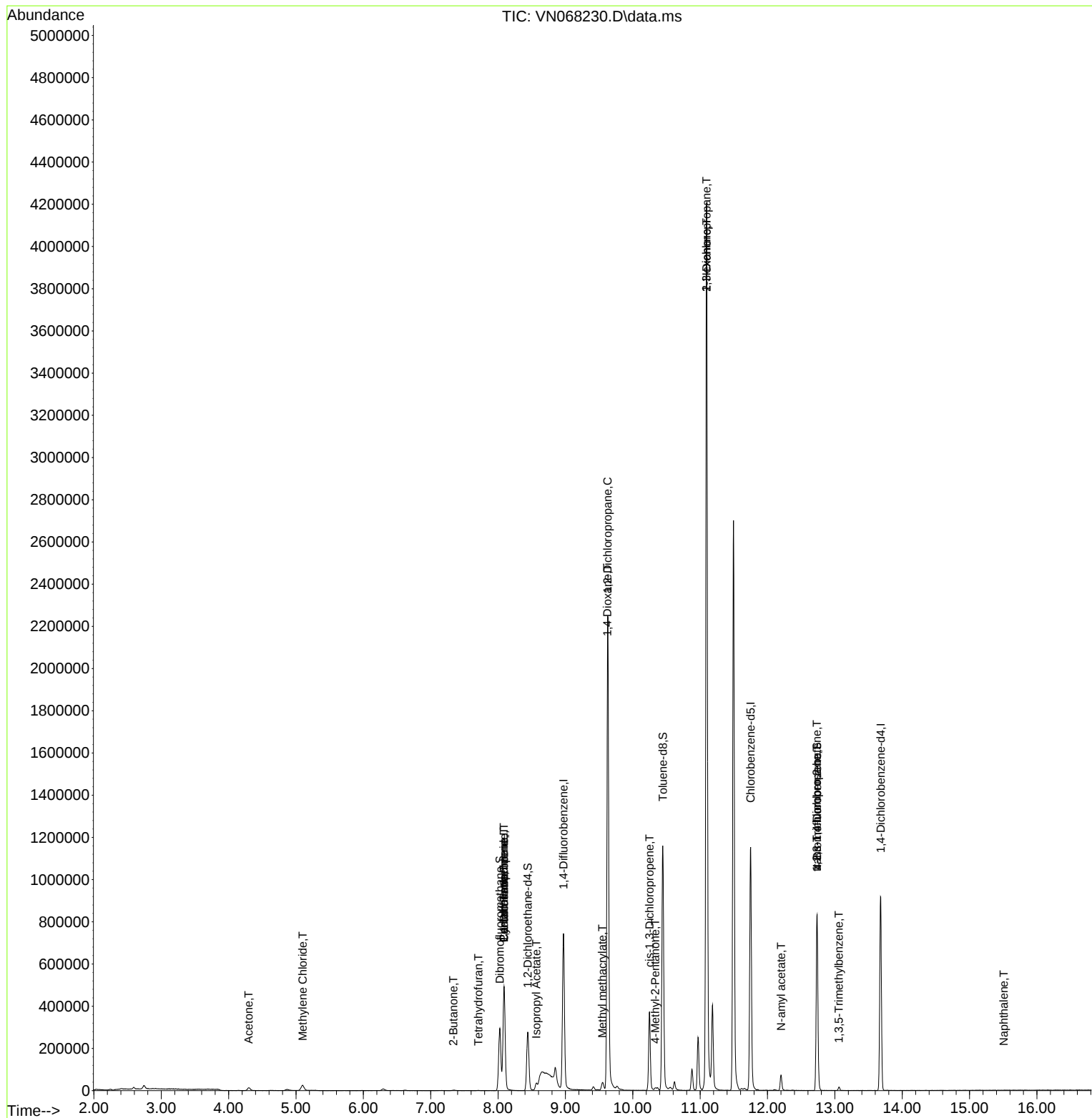
Internal Standards						
1) Pentafluorobenzene	8.088	168	405442	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	705894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	755641	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	275728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238388	55.068	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.140%			
35) Dibromofluoromethane	8.027	113	212810	48.019	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.040%			
50) Toluene-d8	10.446	98	869849	51.511	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.736	95	277057	49.285	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.580%			
Target Compounds						
						Qvalue
5) Bromomethane	2.877	94	1292	Below Cal		95
6) Chloroethane	2.861	64	58	Below Cal	#	44
13) Acrolein	4.033	56	86	Below Cal	#	14
16) Acetone	4.296	43	24439	19.336	ug/l	91
20) Methylene Chloride	5.098	84	21076	4.074	ug/l	# 79
25) 2-Butanone	7.335	43	644	0.327	ug/l	# 56
29) Tetrahydrofuran	7.707	42	558	0.443	ug/l	94
31) Cyclohexane	8.088	56	7498	1.315	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	26997	4.679	ug/l	# 49
38) Carbon Tetrachloride	8.088	117	36862	5.539	ug/l	# 18
43) Isopropyl Acetate	8.568	43	41026	5.210	ug/l	# 92
45) 1,2-Dichloropropane	9.625	63	2889	0.697	ug/l	# 44
48) Methyl methacrylate	9.550	41	9193	2.801	ug/l	# 12
49) 1,4-Dioxane	9.622	88	207	2.610	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	4990	1.032	ug/l	# 63
54) cis-1,3-Dichloropropene	10.247	75	73059	10.932	ug/l	# 55
57) 1,3-Dichloropropane	11.095	76	48037	6.500	ug/l	# 43
59) 2-Hexanone	11.095	43	582518	173.434	ug/l	# 58
74) N-amyl acetate	12.200	43	21846	4.278	ug/l	# 58
76) 1,2,3-Trichloropropane	12.733	75	138800	30.287	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.061	105	9006	0.568	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.733	75	138800	99.224	ug/l	# 6
95) Naphthalene	15.507	128	120	3.355	ug/l	# 69

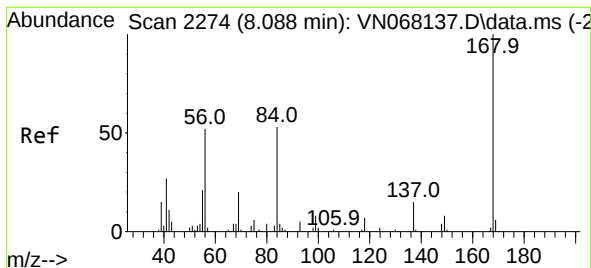
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 01:56:35 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068230.D

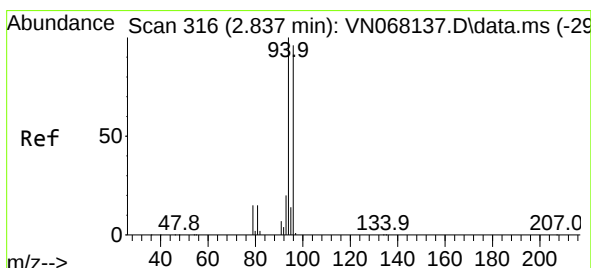
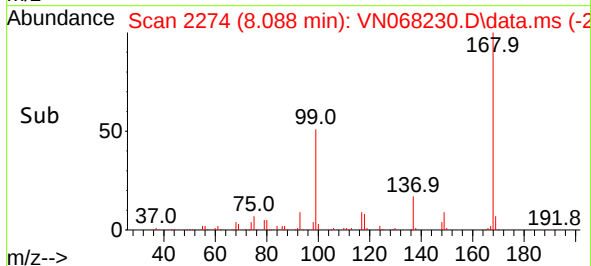
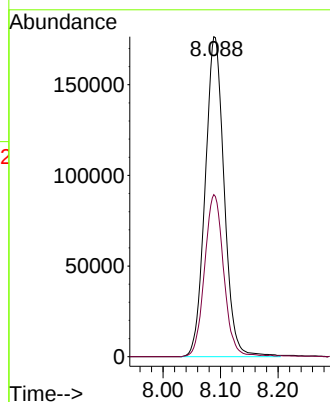
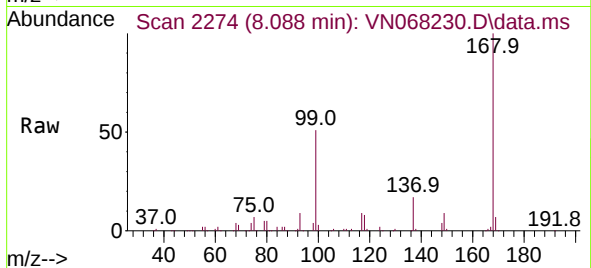
Acq: 19 Aug 2021 20:47

Tgt Ion:168 Resp: 405442

Ion Ratio Lower Upper

168 100

99 50.6 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN068230.D

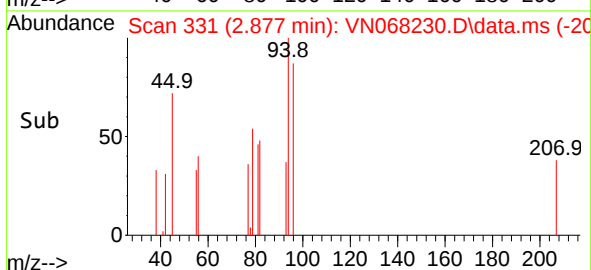
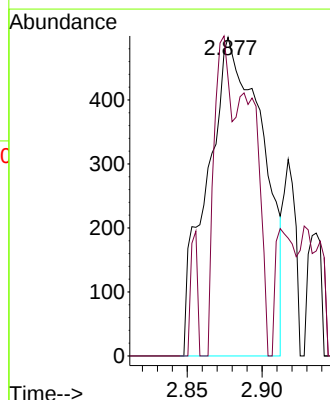
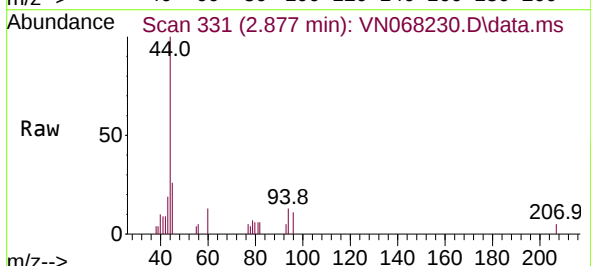
Acq: 19 Aug 2021 20:47

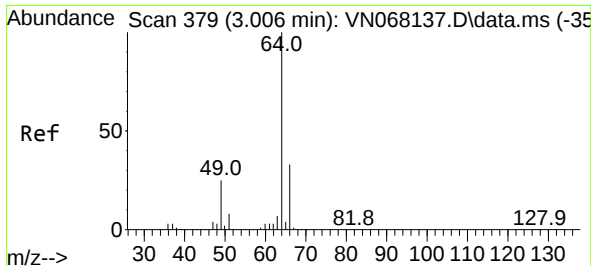
Tgt Ion: 94 Resp: 1292

Ion Ratio Lower Upper

94 100

96 87.1 73.7 110.5

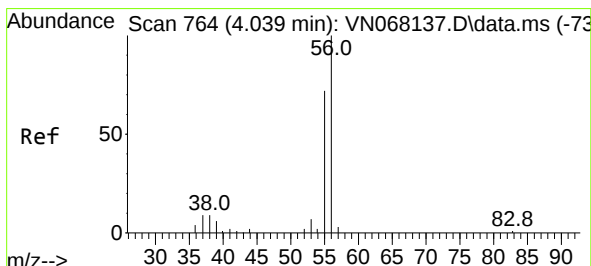
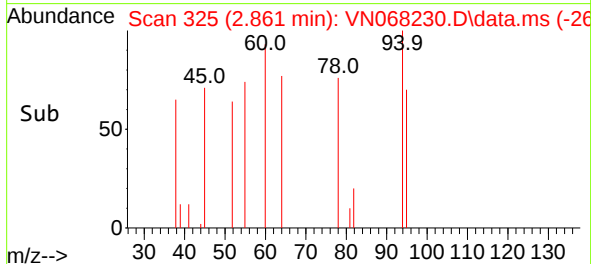
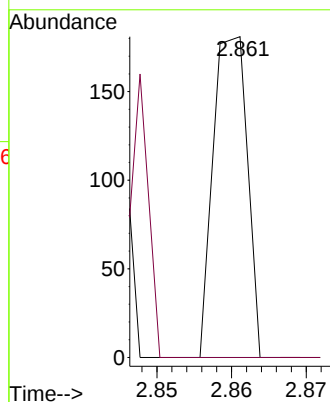
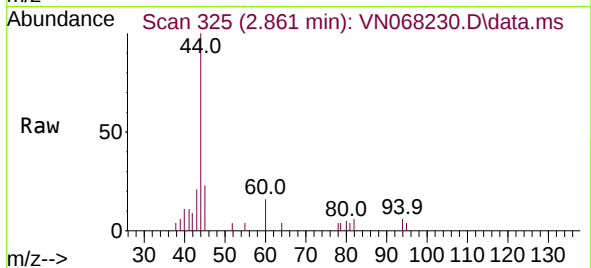




#6
Chloroethane
Concen: Below Cal
RT: 2.861 min Scan# 325
Delta R.T. -0.145 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

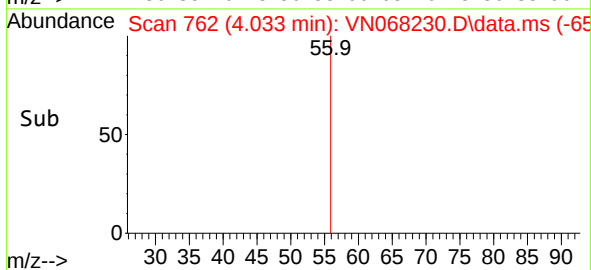
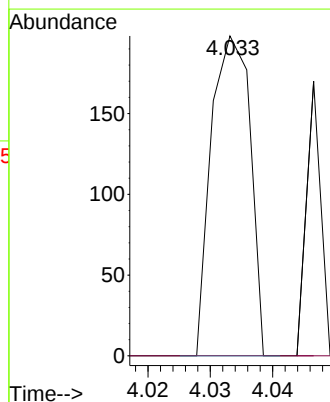
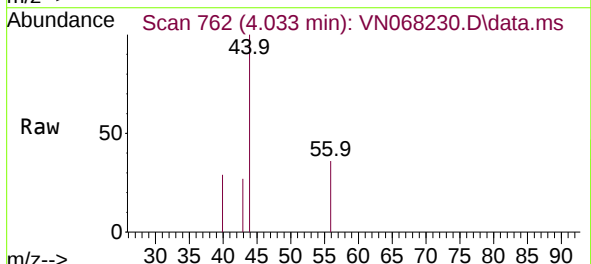
Instrument :
MSVOA_N
ClientSampled :

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



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

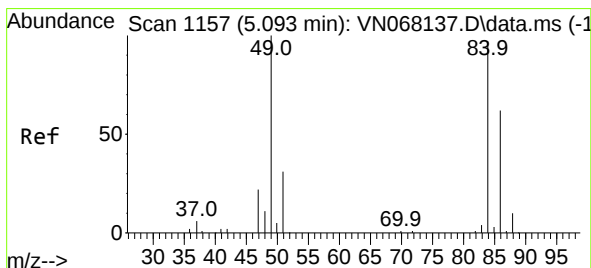
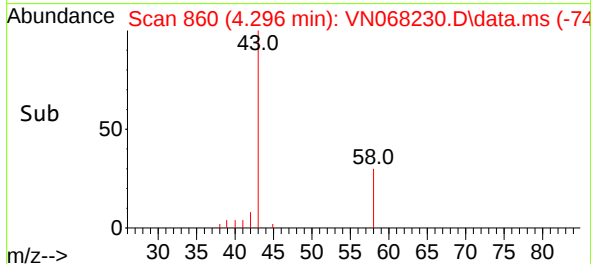
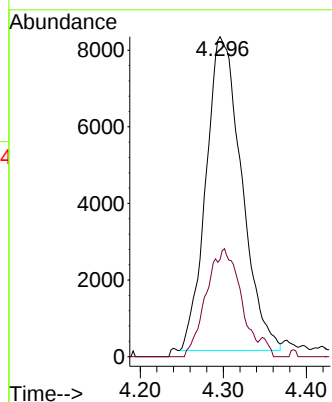
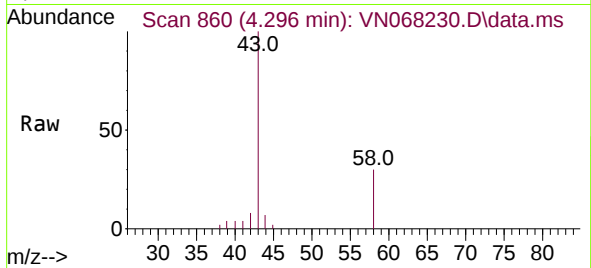




#16
Acetone
Concen: 19.336 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

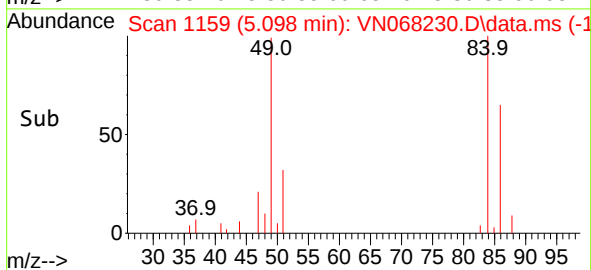
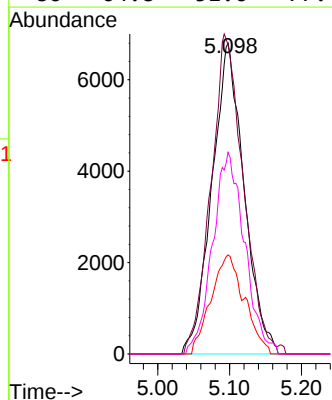
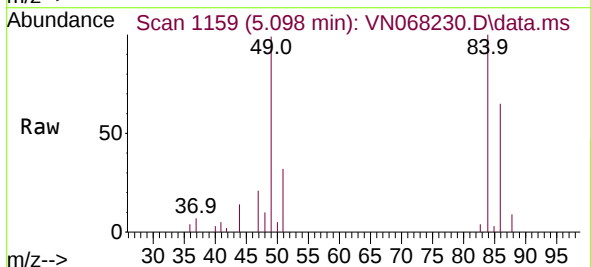
Instrument :
MSVOA_N
ClientSampled :

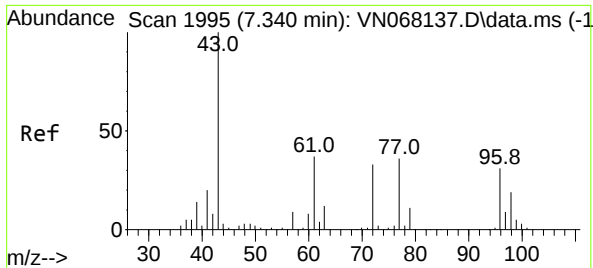
Tgt Ion: 43 Resp: 24439
Ion Ratio Lower Upper
43 100
58 31.0 21.2 31.8



#20
Methylene Chloride
Concen: 4.074 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 84 Resp: 21076
Ion Ratio Lower Upper
84 100
49 99.5 110.9 166.3#
51 31.9 32.6 49.0#
86 64.8 51.6 77.4

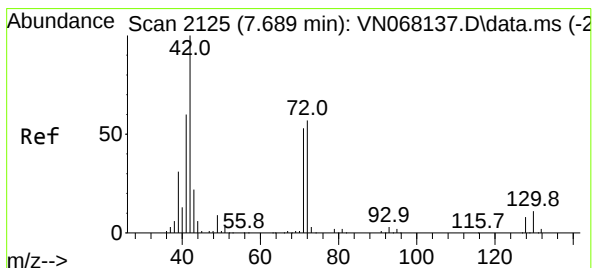
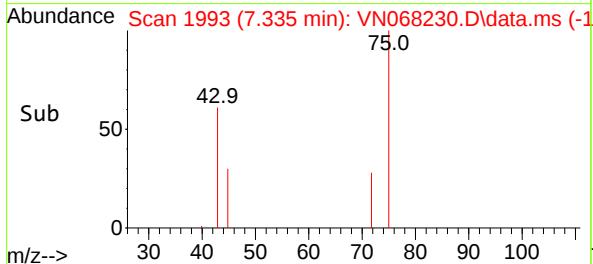
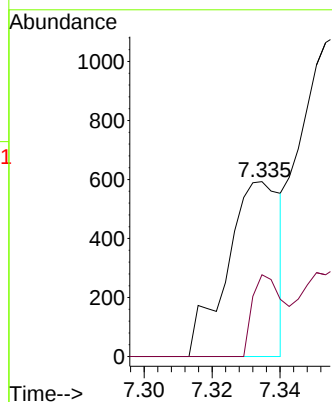
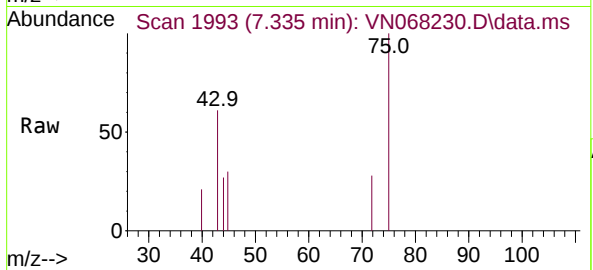




#25
2-Butanone
Concen: 0.327 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.005 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

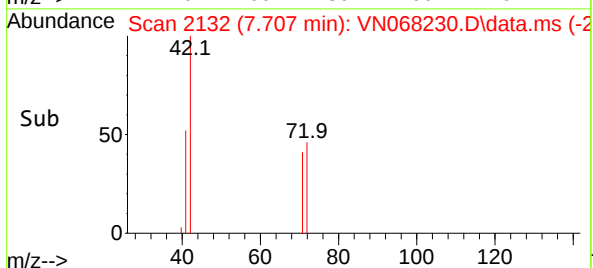
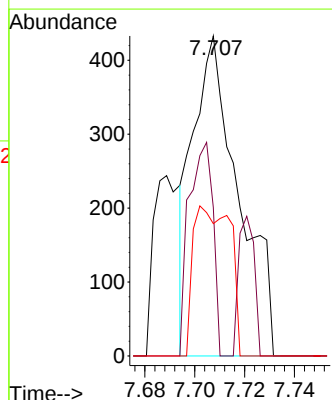
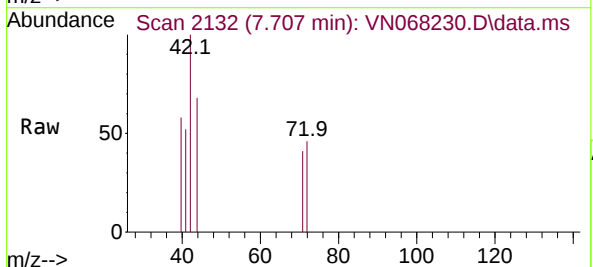
Instrument :
MSVOA_N
ClientSampled :

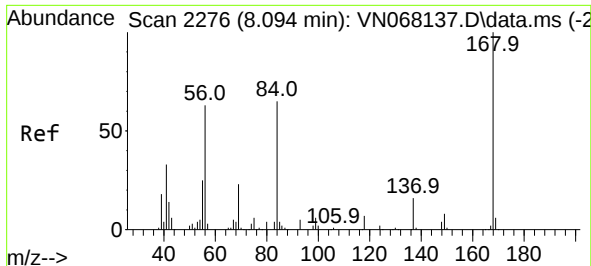
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
72 46.7 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.443 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.018 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 42 Resp: 558
Ion Ratio Lower Upper
42 100
72 34.6 32.8 49.2
71 37.5 31.2 46.8

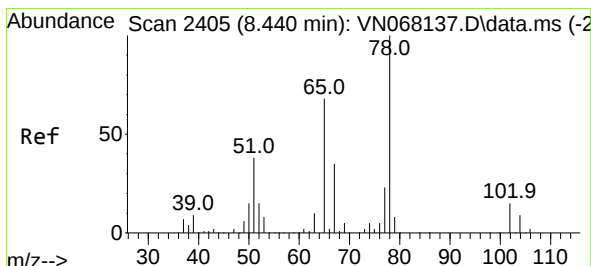
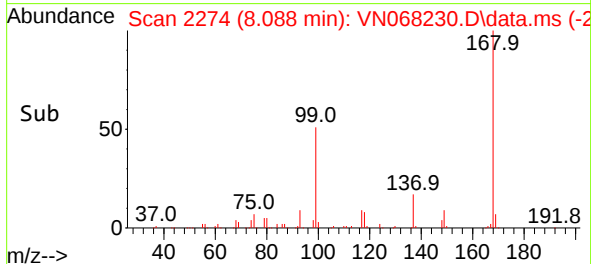
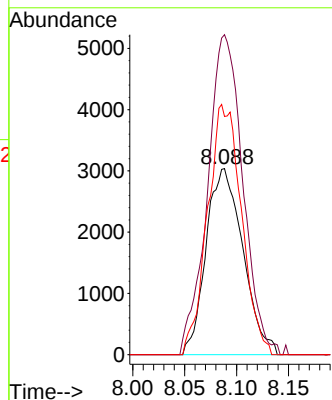
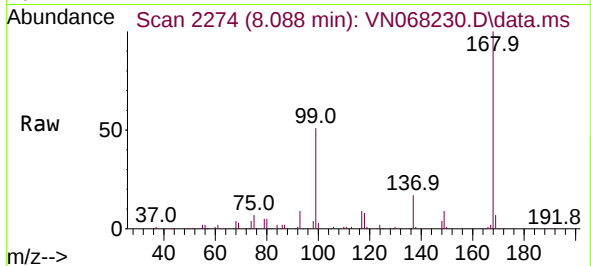




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

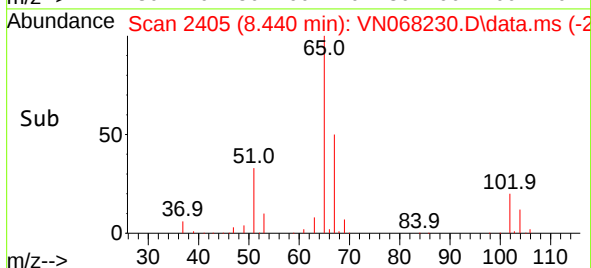
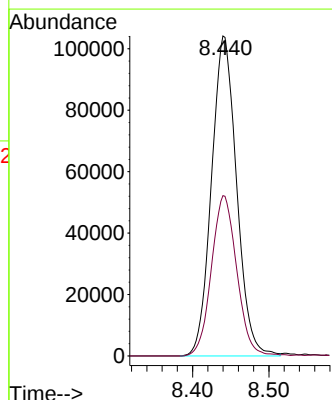
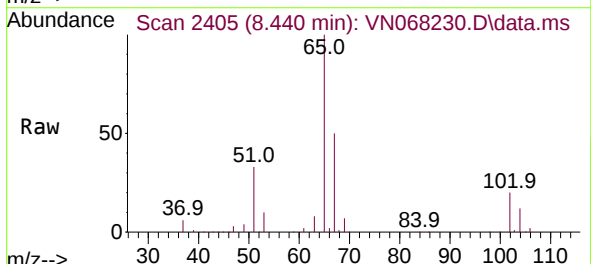
Instrument :
MSVOA_N
ClientSampleId :

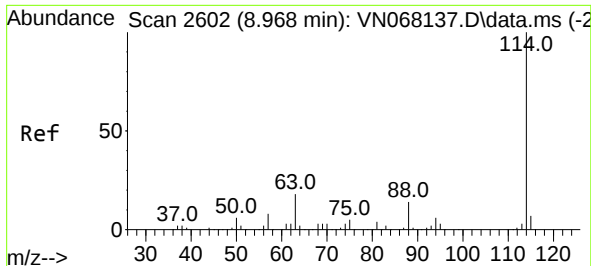
Tgt Ion: 56 Resp: 7498
Ion Ratio Lower Upper
56 100
69 172.0 27.3 40.9#
84 128.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.068 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 65 Resp: 238388
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

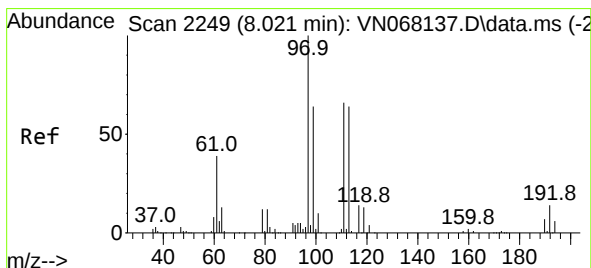
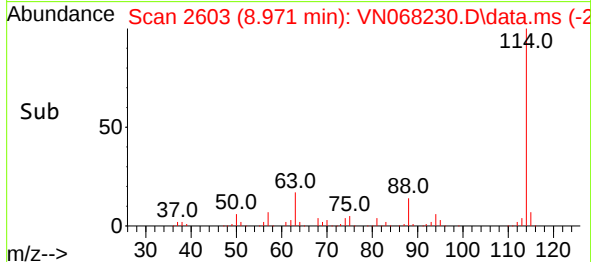
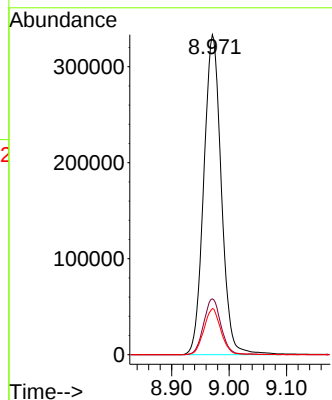
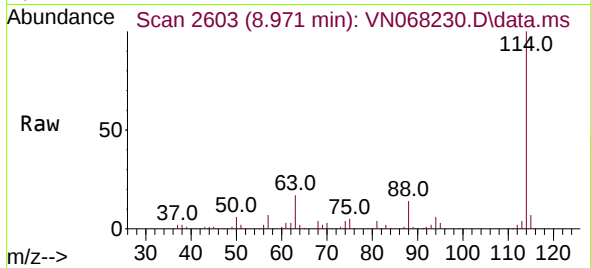




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

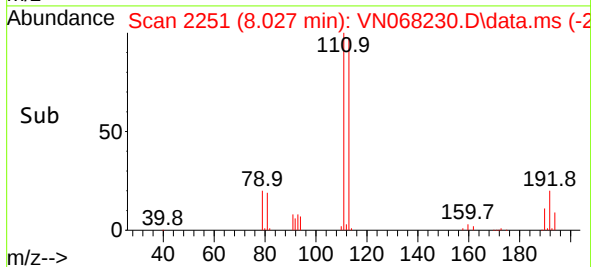
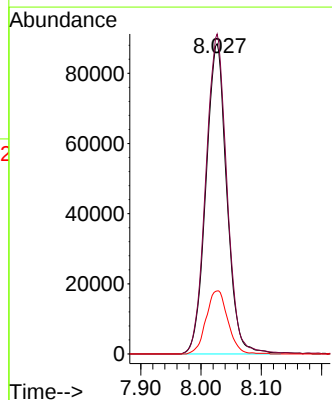
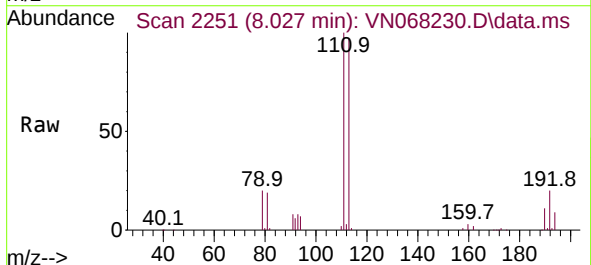
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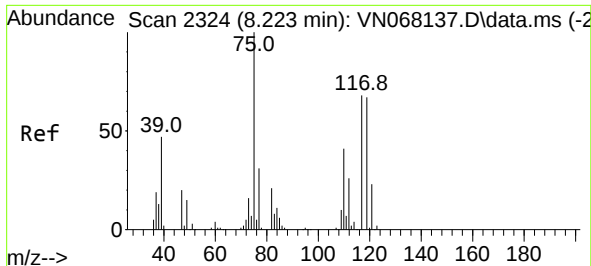
Tgt Ion:114 Resp: 705894
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.019 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion:113 Resp: 212810
Ion Ratio Lower Upper
113 100
111 104.7 83.8 125.8
192 21.1 13.4 20.0#

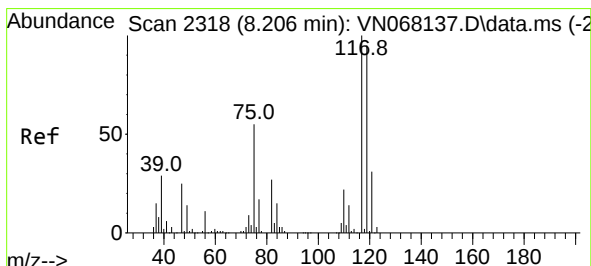
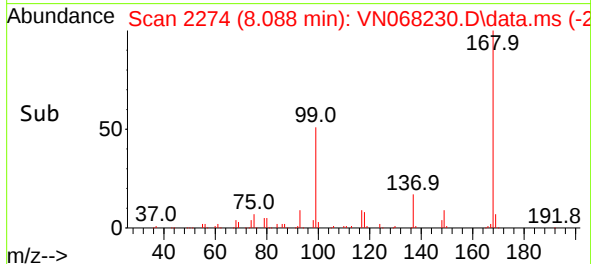
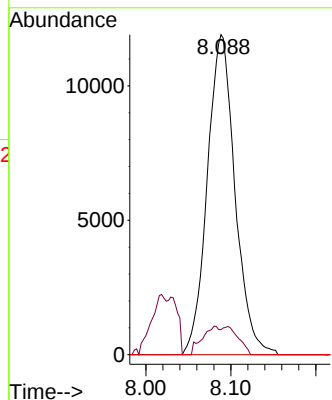
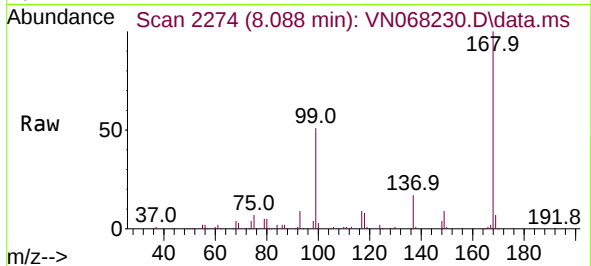




#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

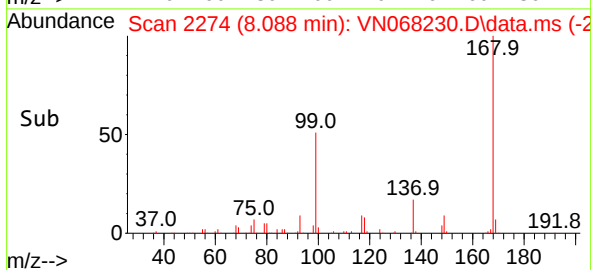
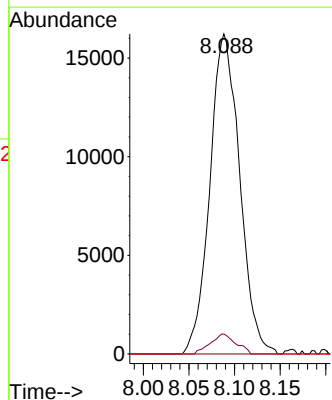
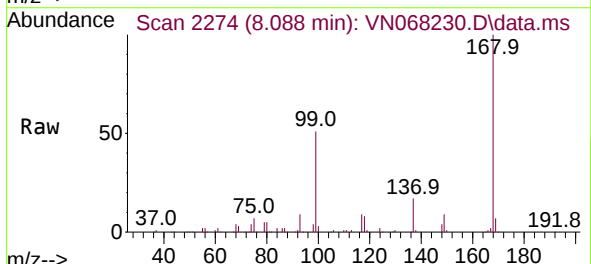
Instrument :
MSVOA_N
ClientSampled :

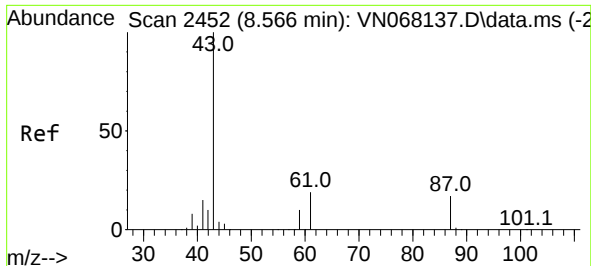
Tgt Ion: 75 Resp: 26997
Ion Ratio Lower Upper
75 100
110 5.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 117 Resp: 36862
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.2#
121 0.0 23.5 35.3#

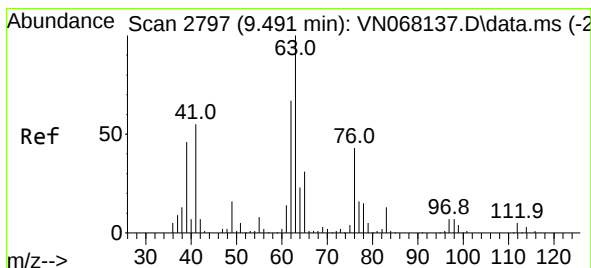
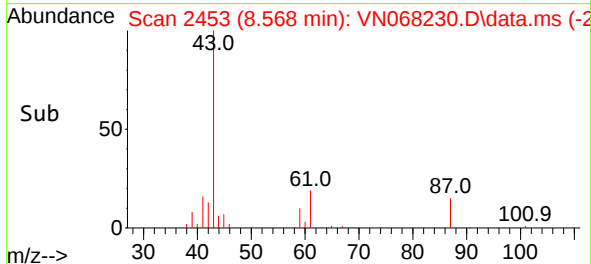
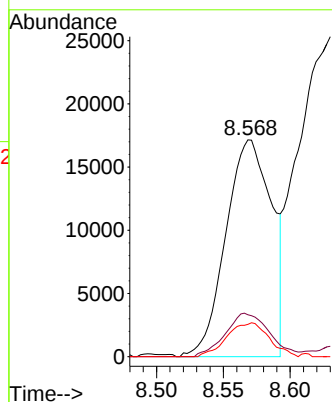
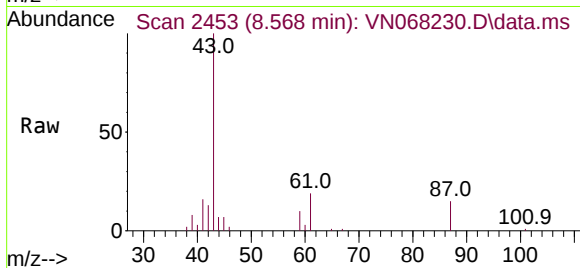




#43
Isopropyl Acetate
Concen: 5.210 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

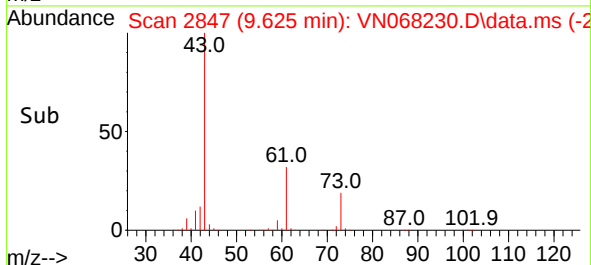
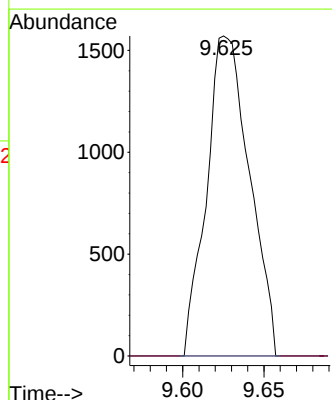
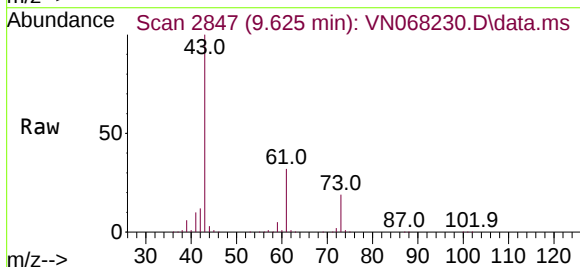
Instrument :
MSVOA_N
ClientSampled :

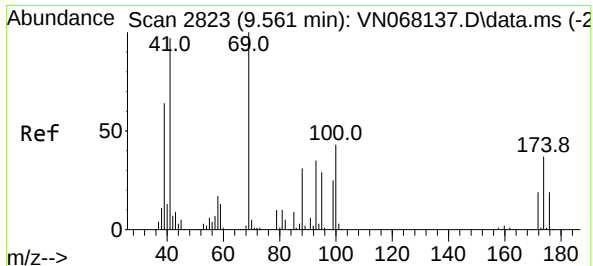
Tgt Ion: 43 Resp: 41026
Ion Ratio Lower Upper
43 100
61 19.2 19.0 28.4
87 14.4 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.697 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 63 Resp: 2889
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

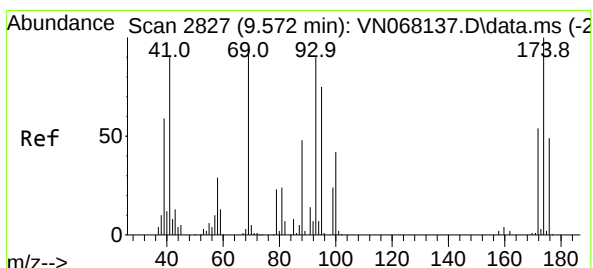
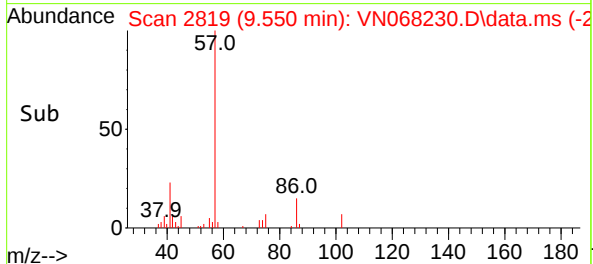
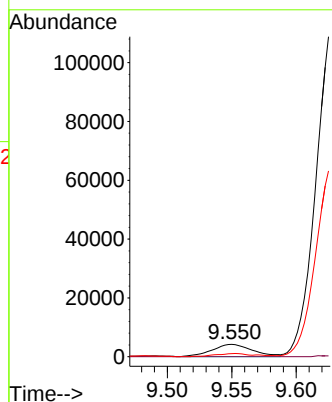
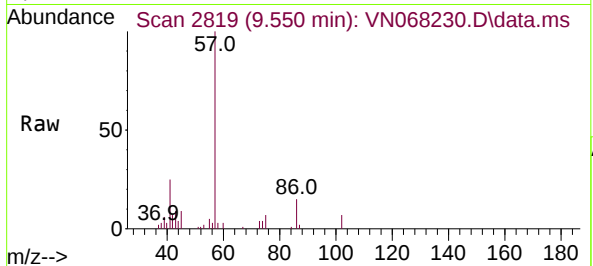




#48
Methyl methacrylate
Concen: 2.801 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

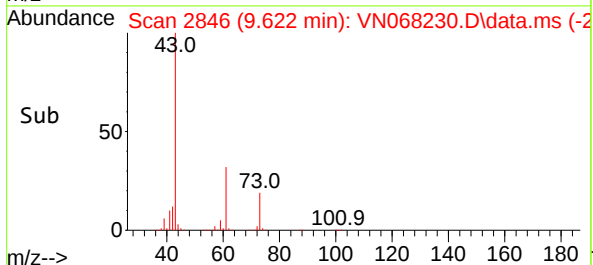
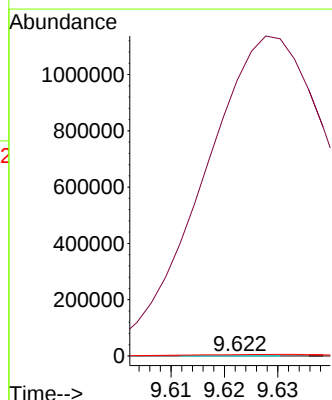
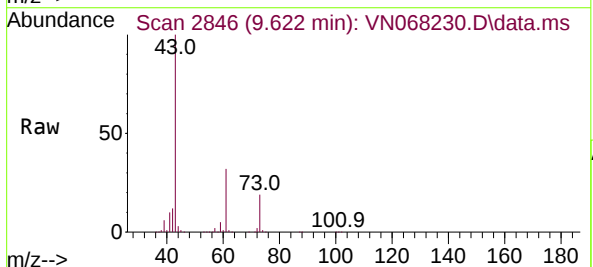
Instrument :
MSVOA_N
ClientSampled :

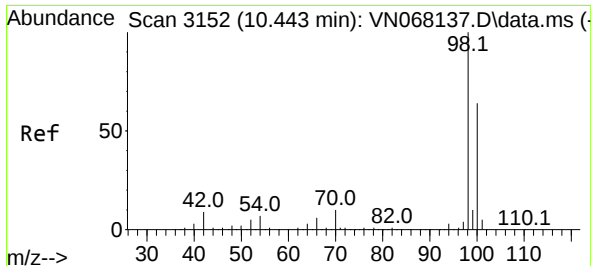
Tgt Ion: 41 Resp: 9193
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 2.610 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.050 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 1034595.2 28.8 43.2#
58 5417.9 60.4 90.6#

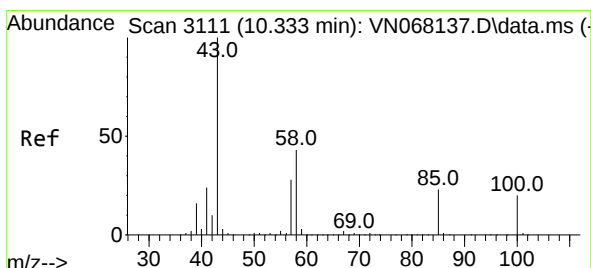
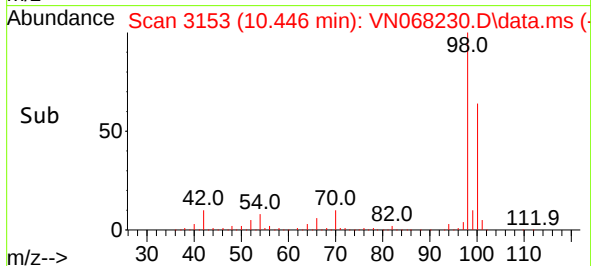
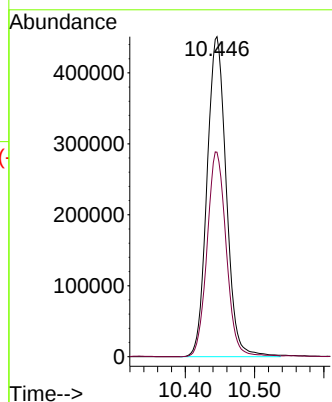
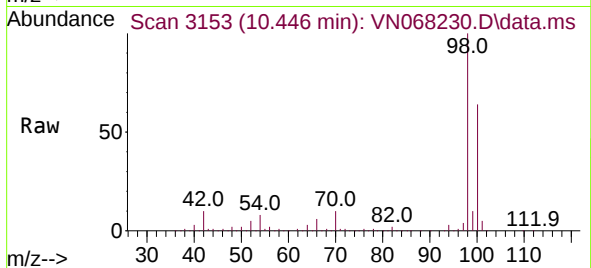




#50
Toluene-d8
Concen: 51.511 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

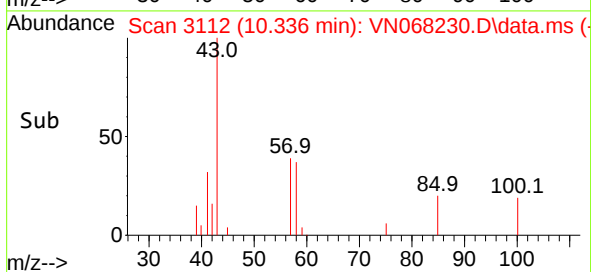
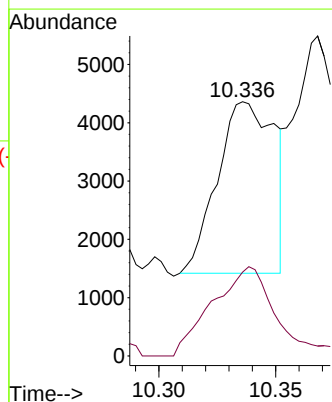
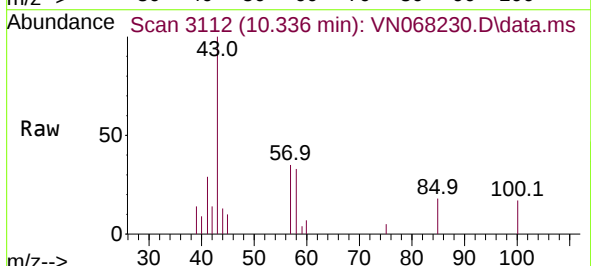
Instrument :
MSVOA_N
ClientSampled :

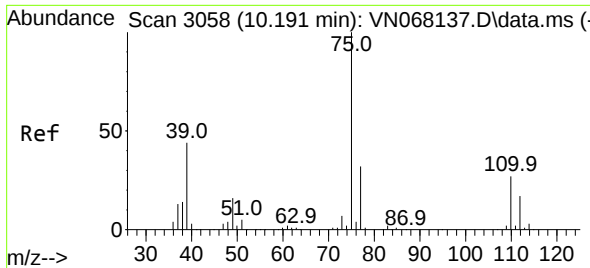
Tgt Ion: 98 Resp: 869849
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 43 Resp: 4990
Ion Ratio Lower Upper
43 100
58 57.3 28.6 43.0#

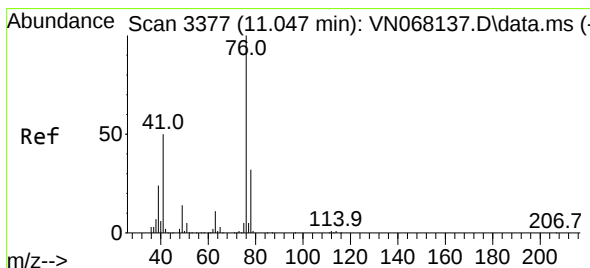
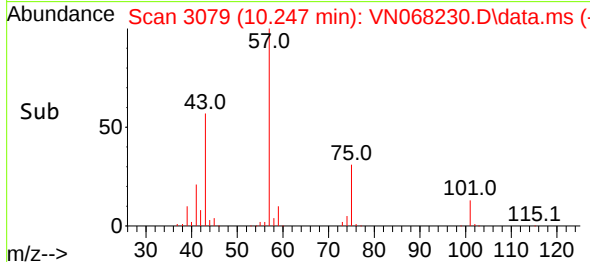
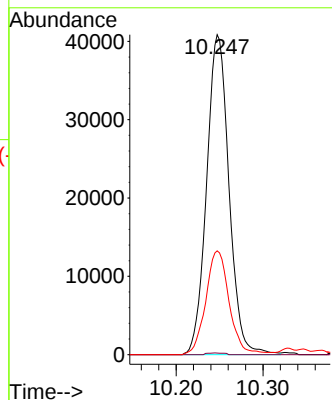
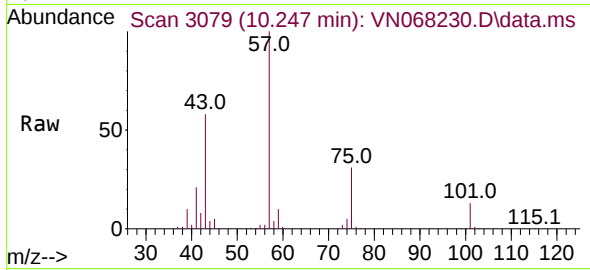




#54
 cis-1,3-Dichloropropene
 Concen: 10.932 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068230.D
 Acq: 19 Aug 2021 20:47

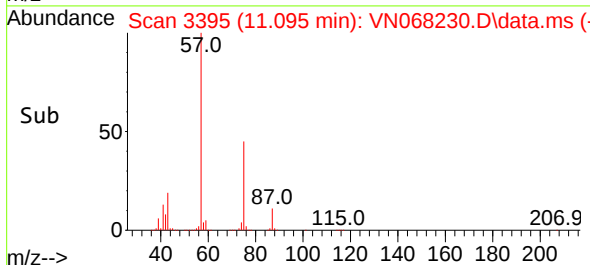
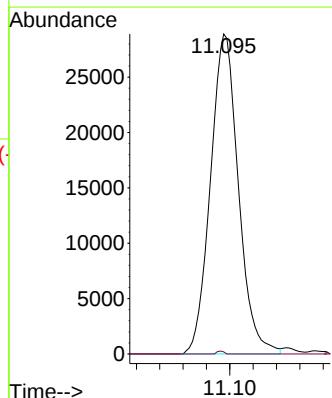
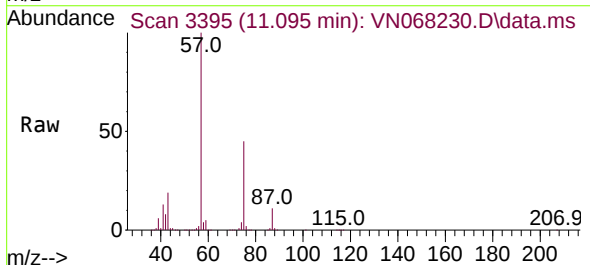
Instrument :
 MSVOA_N
 ClientSampled :

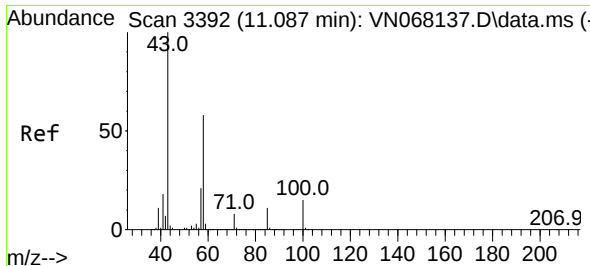
Tgt Ion: 75 Resp: 73059
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 32.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.500 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068230.D
 Acq: 19 Aug 2021 20:47

Tgt Ion: 76 Resp: 48037
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

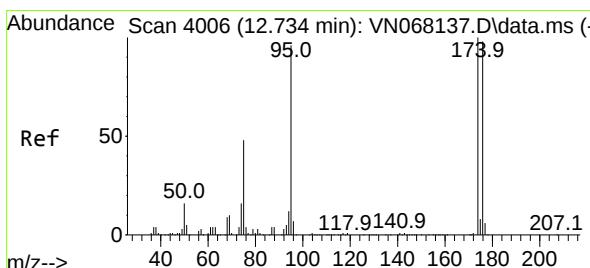
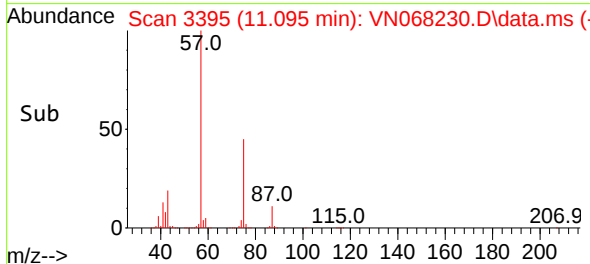
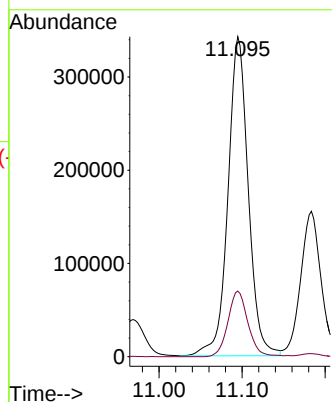
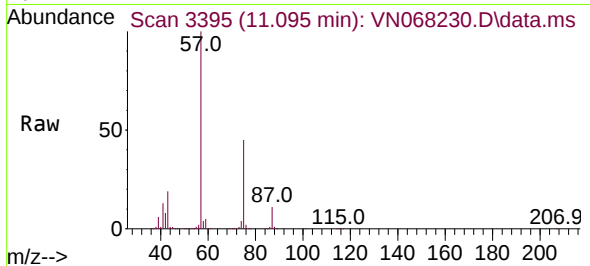




#59
2-Hexanone
Concen: 173.434 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

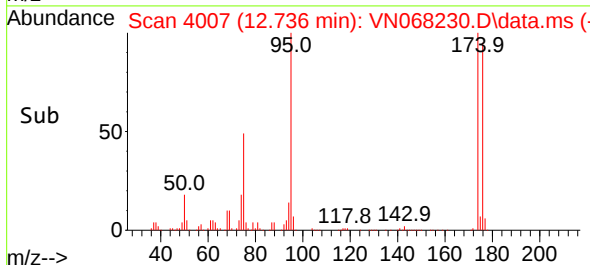
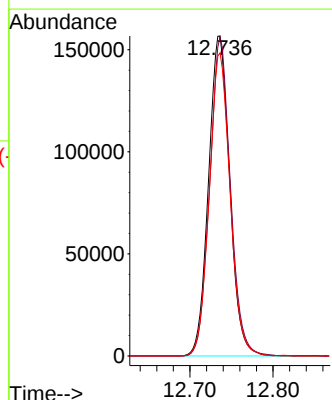
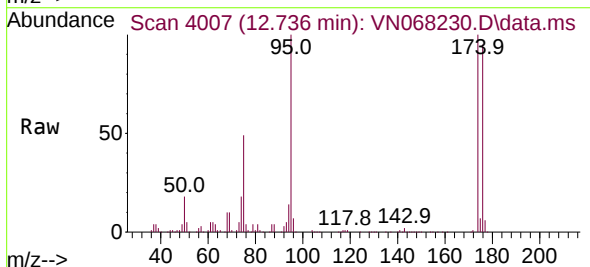
Instrument :
MSVOA_N
ClientSampled :

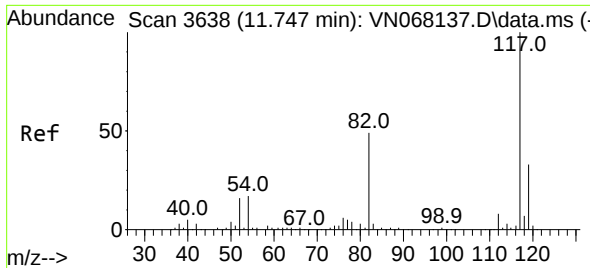
Tgt Ion: 43 Resp: 582518
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.285 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 95 Resp: 277057
Ion Ratio Lower Upper
95 100
174 97.5 0.0 122.0
176 92.8 0.0 117.6

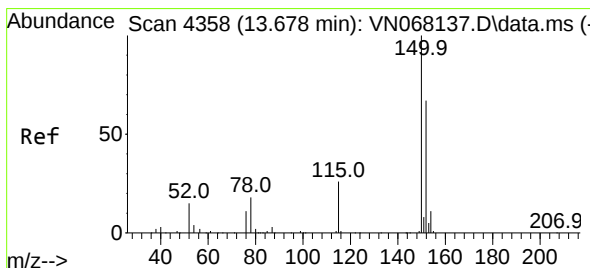
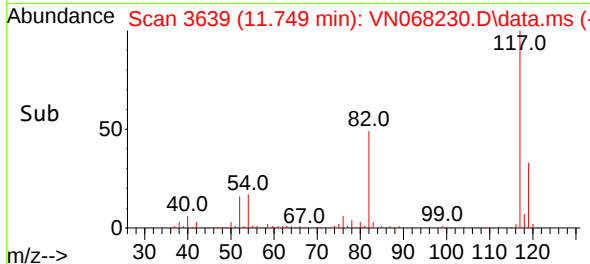
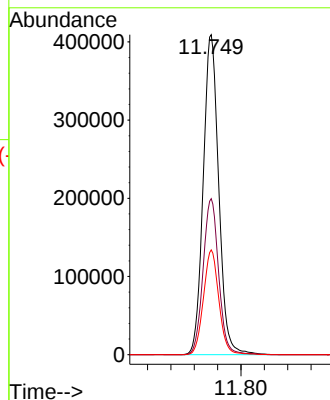
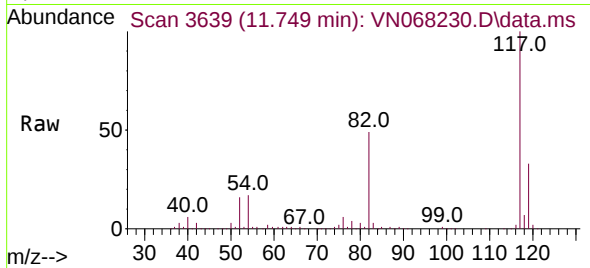




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

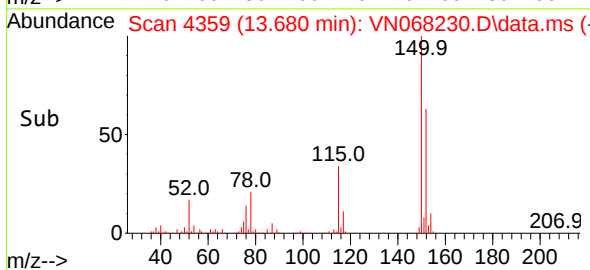
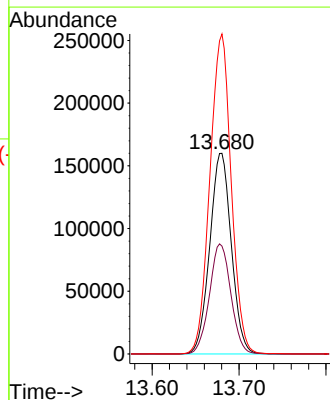
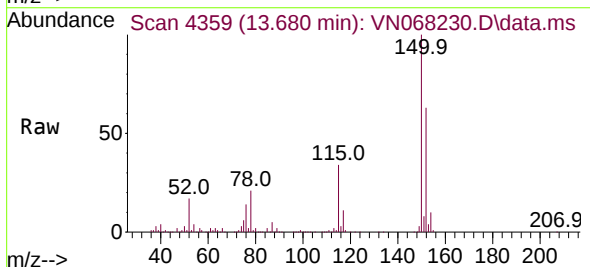
Instrument :
MSVOA_N
ClientSampled :

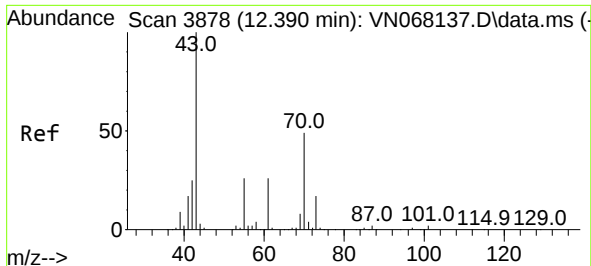
Tgt Ion:117 Resp: 755641
Ion Ratio Lower Upper
117 100
82 48.7 53.1 79.7#
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion:152 Resp: 275728
Ion Ratio Lower Upper
152 100
115 54.5 36.1 108.5
150 157.6 0.0 351.8

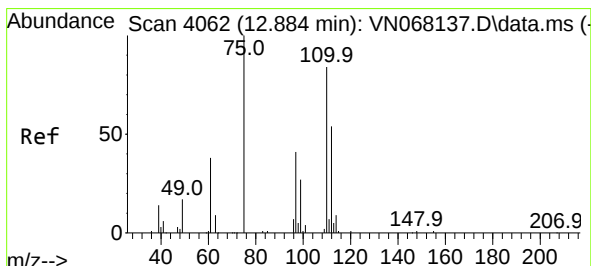
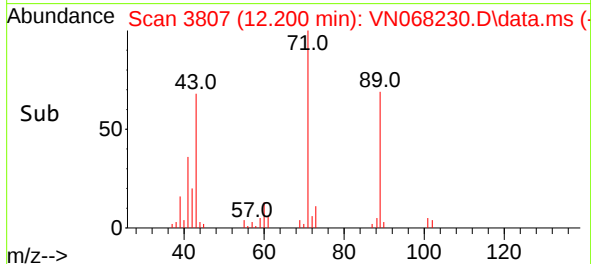
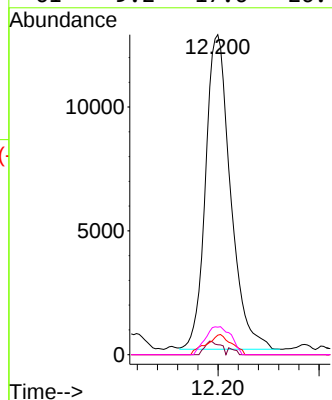
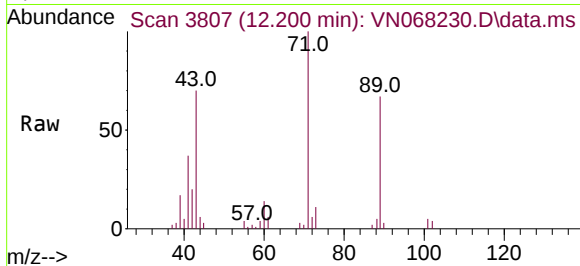




#74
N-amy1 acetate
Concen: 4.278 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

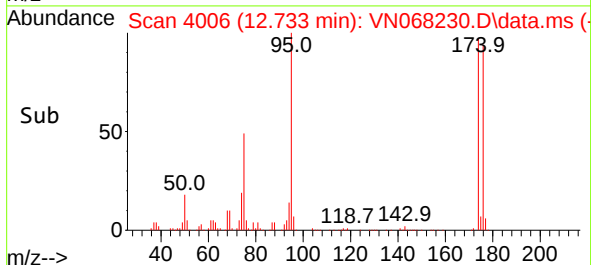
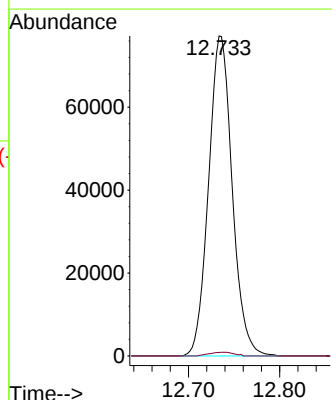
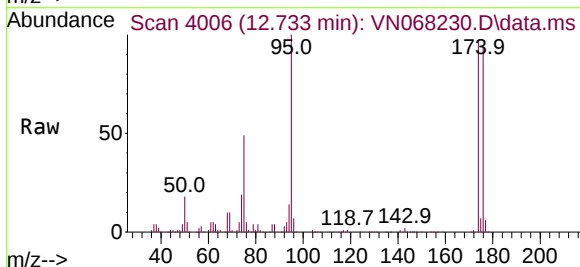
Instrument :
MSVOA_N
ClientSampled :

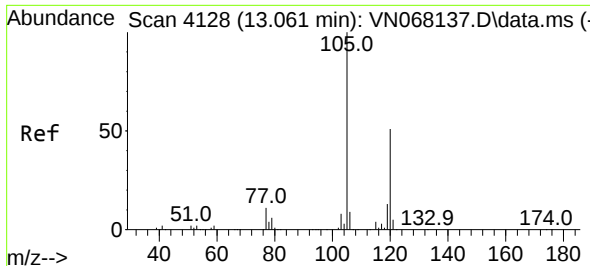
Tgt Ion: 43	Resp: 21846
Ion Ratio	Lower Upper
43 100	
70 2.6	29.4 44.2#
55 6.4	17.0 25.4#
61 9.2	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 30.287 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Tgt Ion: 75	Resp: 138800
Ion Ratio	Lower Upper
75 100	
77 1.2	0.0 0.0#

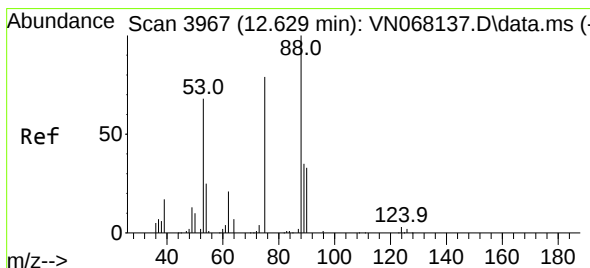
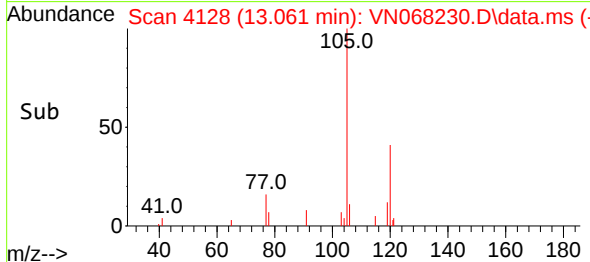
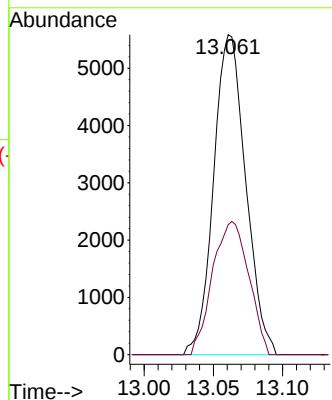
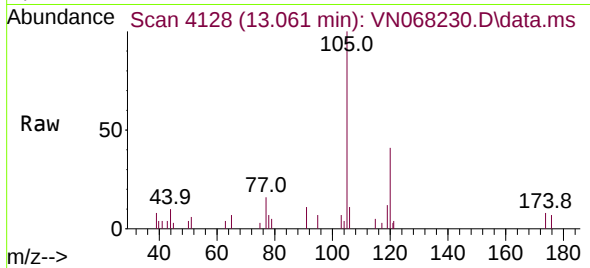




#80
1,3,5-Trimethylbenzene
Concen: 0.568 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

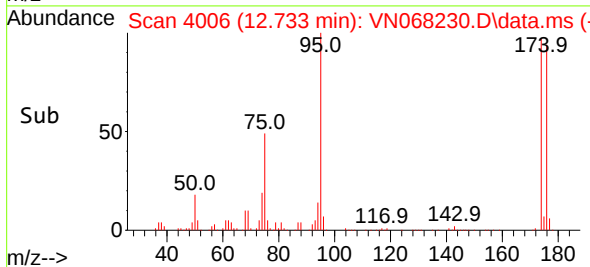
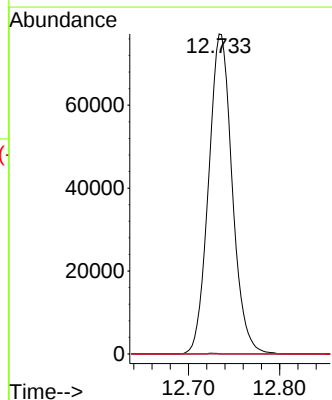
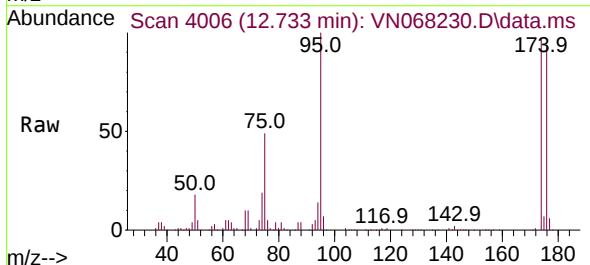
Instrument :
MSVOA_N
ClientSampled :

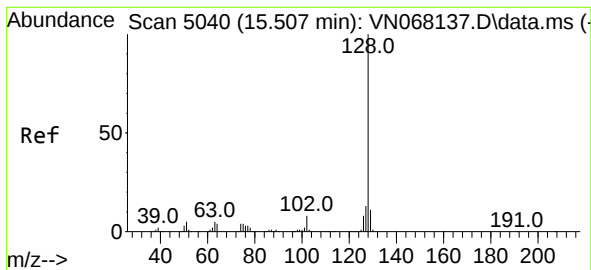
Tgt Ion:105 Resp: 9006
Ion Ratio Lower Upper
105 100
120 46.9 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 99.224 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

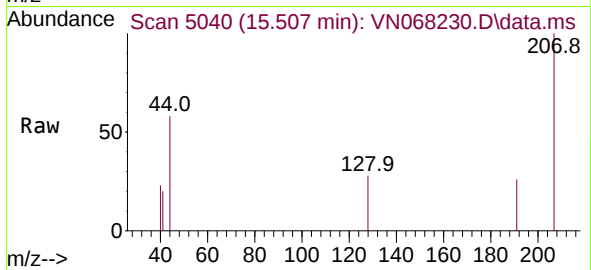
Tgt Ion: 75 Resp: 138800
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.355 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068230.D
Acq: 19 Aug 2021 20:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	120
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

